

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059585.D
 Acq On : 13 Dec 2019 16:00
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 17:26:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	256687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	416468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	373344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	19691	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	
35) Dibromofluoromethane	7.56	113	13034	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
50) Toluene-d8	10.08	98	50502	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.40	95	17596	4.68	ug/l	0.00
Spiked Amount			Recovery	=	9.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	13551	4.440	ug/l	96
3) Chloromethane	2.04	50	20007	4.281	ug/l	98
4) Vinyl Chloride	2.17	62	19320	4.238	ug/l	98
5) Bromomethane	2.54	94	12180	4.371	ug/l	97
6) Chloroethane	2.67	64	11247	4.158	ug/l #	87
7) Trichlorofluoromethane	2.99	101	21207	3.907	ug/l	98
8) Diethyl Ether	3.39	74	6512	3.527	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	9971	3.559	ug/l	96
10) Methyl Iodide	3.92	142	12853	3.357	ug/l	97
11) Tert butyl alcohol	4.76	59	12169	19.543	ug/l	97
12) 1,1-Dichloroethene	3.71	96	9771	3.567	ug/l	98
13) Acrolein	3.58	56	8950	25.210	ug/l	99
14) Allyl chloride	4.29	41	19127	3.640	ug/l	96
15) Acrylonitrile	4.95	53	29741	18.538	ug/l	99
16) Acetone	3.79	43	36524	20.156	ug/l	99
17) Carbon Disulfide	4.02	76	33457	3.326	ug/l	100
18) Methyl Acetate	4.30	43	17139	3.799	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	34010	3.739	ug/l	98
20) Methylene Chloride	4.52	84	13026	3.753	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	11075	3.780	ug/l	97
22) Diisopropyl ether	5.92	45	36728	3.674	ug/l	91
23) Vinyl Acetate	5.86	43	144401	17.438	ug/l	100
24) 1,1-Dichloroethane	5.82	63	21872	3.849	ug/l	99
25) 2-Butanone	6.81	43	46323	19.708	ug/l	97
26) 2,2-Dichloropropane	6.80	77	20105	3.913	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	12717	3.853	ug/l	98
28) Bromochloromethane	7.17	49	6189	3.344	ug/l #	99
29) Tetrahydrofuran	7.18	42	28624	17.848	ug/l	100
30) Chloroform	7.35	83	21026	3.752	ug/l	99
31) Cyclohexane	7.63	56	24387	4.415	ug/l #	81
32) 1,1,1-Trichloroethane	7.55	97	19434	3.907	ug/l	98
36) 1,1-Dichloropropene	7.77	75	15881	3.660	ug/l	99
37) Ethyl Acetate	6.91	43	16725	3.699	ug/l	99
38) Carbon Tetrachloride	7.75	117	16001	3.731	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059585.D
 Acq On : 13 Dec 2019 16:00
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 17:26:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	17240	3.546	ug/l	96
40) Benzene	8.02	78	46838	3.771	ug/l	100
41) Methacrylonitrile	7.15	41	6554	3.095	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	18496	3.989	ug/l	99
43) Isopropyl Acetate	8.15	43	27283	3.629	ug/l #	90
44) Trichloroethene	8.82	130	12484	3.966	ug/l	98
45) 1,2-Dichloropropane	9.10	63	12244	3.723	ug/l	96
46) Dibromomethane	9.19	93	8115	3.724	ug/l	98
47) Bromodichloromethane	9.39	83	16110	3.727	ug/l	97
48) Methyl methacrylate	9.19	41	11462	3.473	ug/l	96
49) 1,4-Dioxane	9.19	88	3840	86.982	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	78993	18.072	ug/l	99
52) Toluene	10.15	92	27453	3.704	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	17966	3.562	ug/l #	87
54) cis-1,3-Dichloropropene	9.83	75	19389	3.751	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	11462	3.823	ug/l	94
56) Ethyl methacrylate	10.42	69	13887	3.134	ug/l	91
57) 1,3-Dichloropropane	10.70	76	19746	3.854	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	15609	11.123	ug/l	99
59) 2-Hexanone	10.74	43	60861	18.373	ug/l	100
60) Dibromochloromethane	10.90	129	11256	3.463	ug/l	99
61) 1,2-Dibromoethane	11.00	107	11194	3.591	ug/l	100
64) Tetrachloroethene	10.62	164	12180	4.204	ug/l	95
65) Chlorobenzene	11.43	112	30177	3.785	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	10913	3.664	ug/l	96
67) Ethyl Benzene	11.51	91	52502	3.665	ug/l	100
68) m/p-Xylenes	11.62	106	36942	6.962	ug/l	99
69) o-Xylene	11.95	106	18111	3.656	ug/l	100
70) Styrene	11.96	104	26662	3.250	ug/l	98
71) Bromoform	12.12	173	8152	3.531	ug/l #	100
73) Isopropylbenzene	12.25	105	46483	3.600	ug/l	100
74) N-amyl acetate	12.07	43	19937	3.524	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	15077	3.499	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	22381	5.150	ug/l #	100
77) Bromobenzene	12.53	156	11480	3.625	ug/l	97
78) n-propylbenzene	12.59	91	54465	3.470	ug/l	100
79) 2-Chlorotoluene	12.67	91	33744	3.602	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	38209	3.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5474	3.327	ug/l	97
82) 4-Chlorotoluene	12.77	91	34059	3.569	ug/l	100
83) tert-Butylbenzene	12.99	119	32479	3.572	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	37873	3.515	ug/l	98
85) sec-Butylbenzene	13.17	105	43959	3.529	ug/l	99
86) p-Isopropyltoluene	13.29	119	37924	3.412	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	20435	3.521	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	20767	3.662	ug/l	92
89) n-Butylbenzene	13.62	91	35529	3.391	ug/l	99
90) Hexachloroethane	13.88	117	7712	3.754	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	20532	3.756	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4420	4.045	ug/l	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
Data File : VN059585.D
Acq On : 13 Dec 2019 16:00
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 13 17:26:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 17:23:03 2019
Response via : Initial Calibration

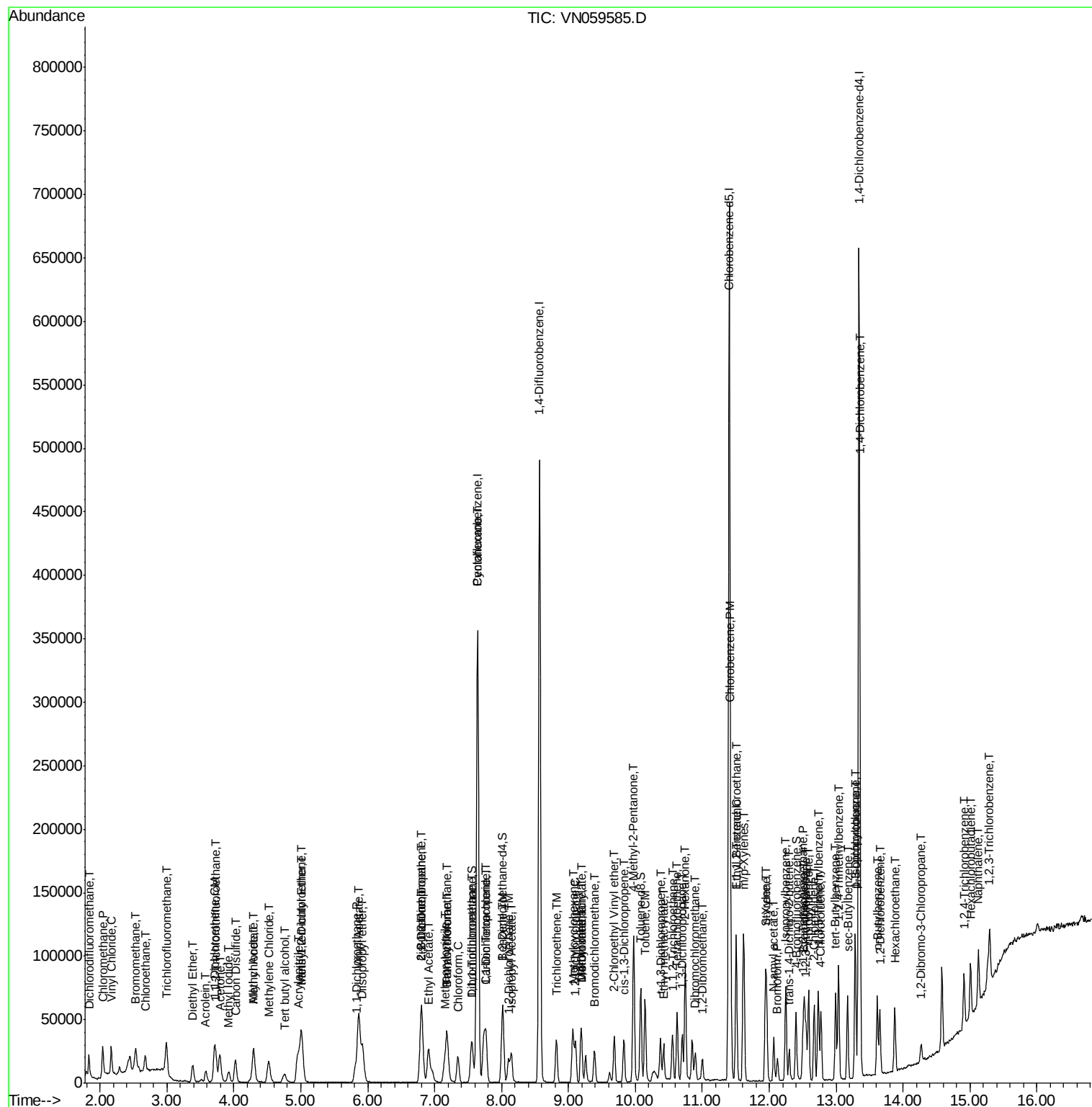
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11835	3.183	ug/l	98
94) Hexachlorobutadiene	15.01	225	7400	3.942	ug/l	98
95) Naphthalene	15.13	128	33317	3.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	12733	3.332	ug/l	93

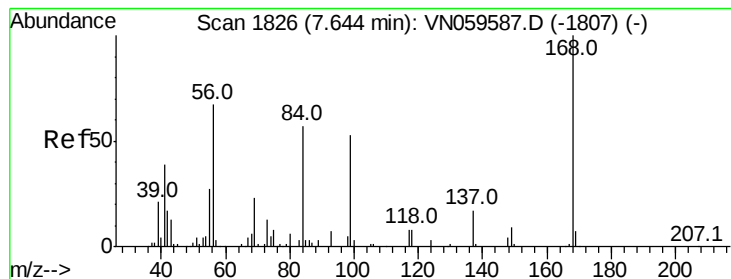
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
Data File : VN059585.D
Acq On : 13 Dec 2019 16:00
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 13 17:26:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 17:23:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

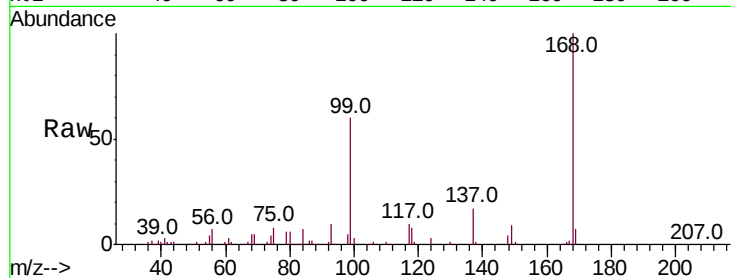
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 256687

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

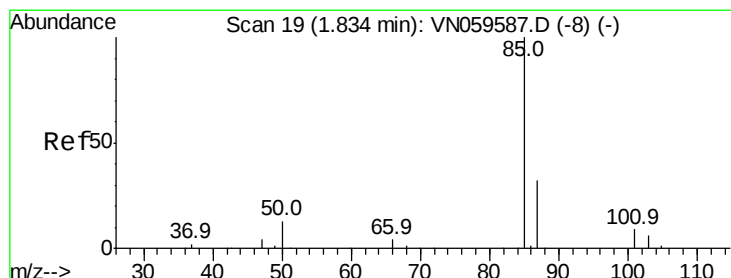
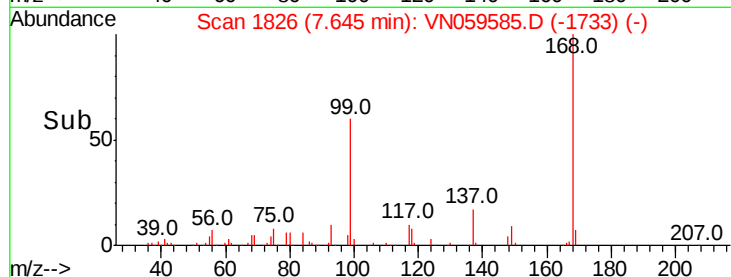
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.440 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059585.D

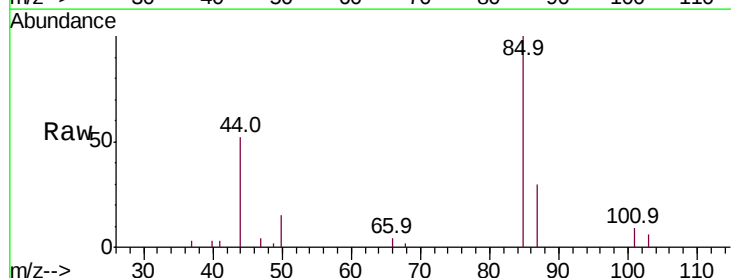
Acq: 13 Dec 2019 16:00

Tgt Ion: 85 Resp: 13551

Ion Ratio Lower Upper

85 100

87 29.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

10000

8000

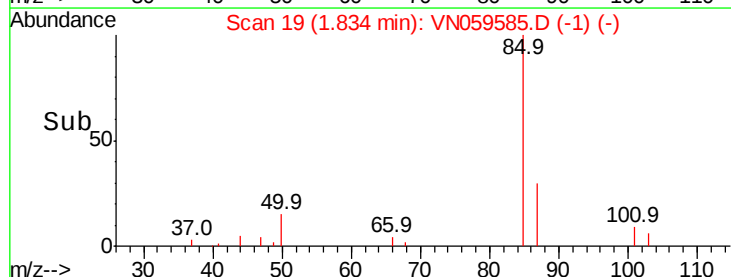
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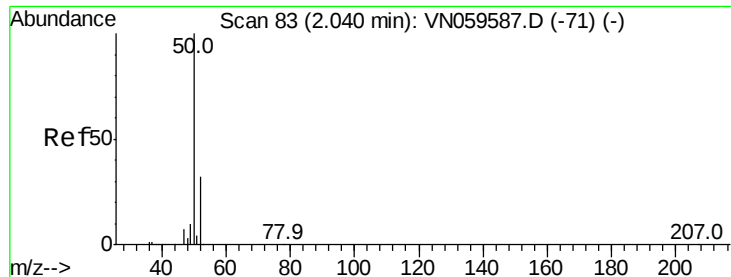
4000

2000

0

Time-->





#3

Chloromethane

Concen: 4.281 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

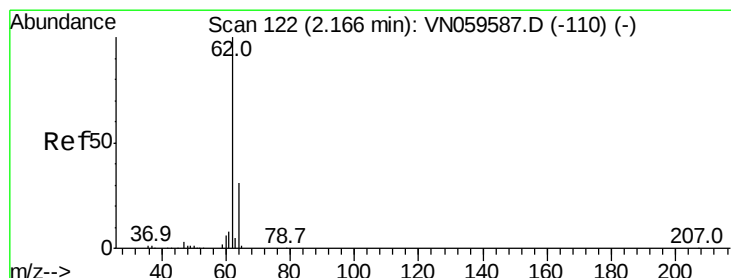
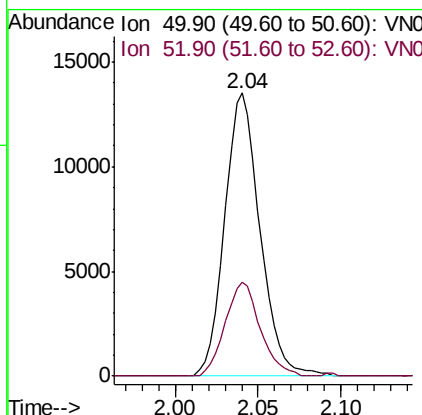
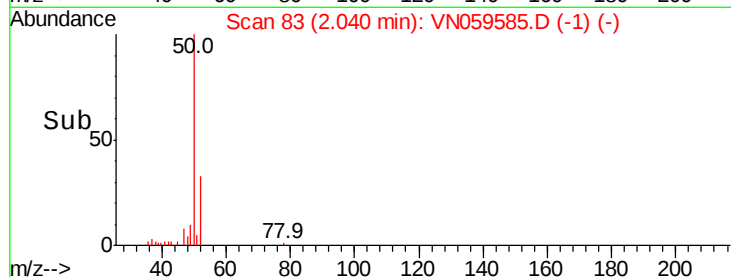
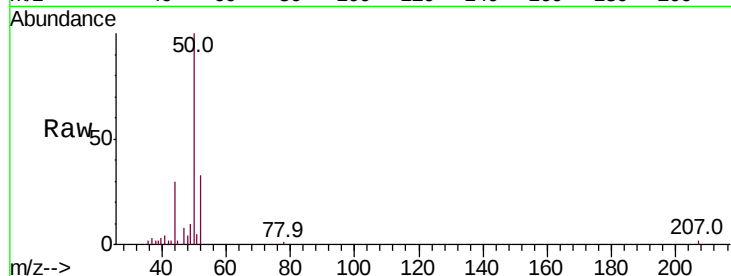
ClientSampled :

Tot Ion: 50 Resp: 20007

Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9



#4

Vinyl Chloride

Concen: 4.238 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059585.D

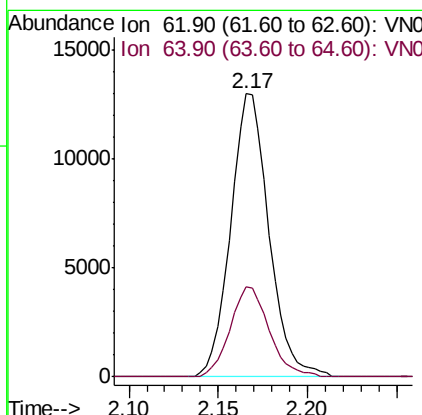
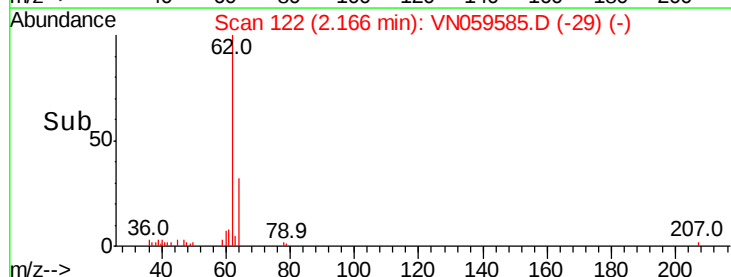
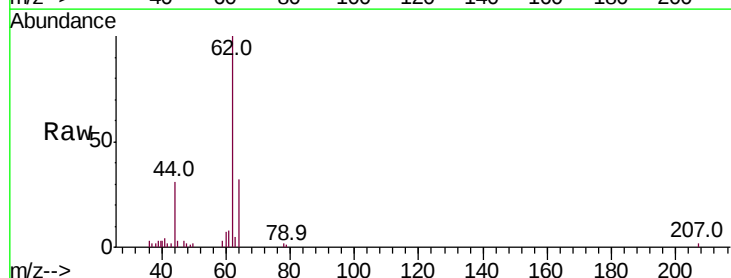
Acq: 13 Dec 2019 16:00

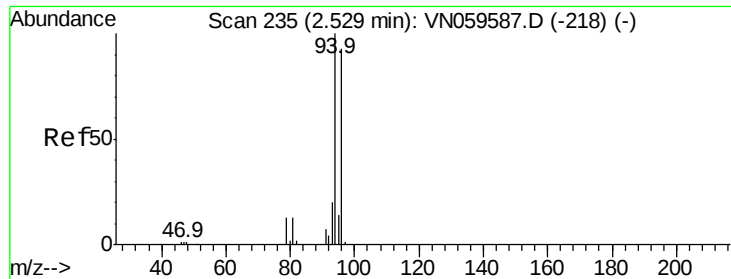
Tgt Ion: 62 Resp: 19320

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0





#5

Bromomethane

Concen: 4.371 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

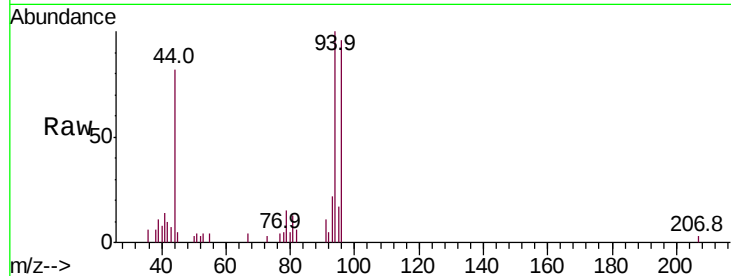
ClientSampleId :

Tot Ion: 94 Resp: 12180

Ion Ratio Lower Upper

94 100

96 96.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN059585.D (-142) (-)

Ion 95.90 (95.60 to 96.60): VN059585.D (-142) (-)

2.54

6000

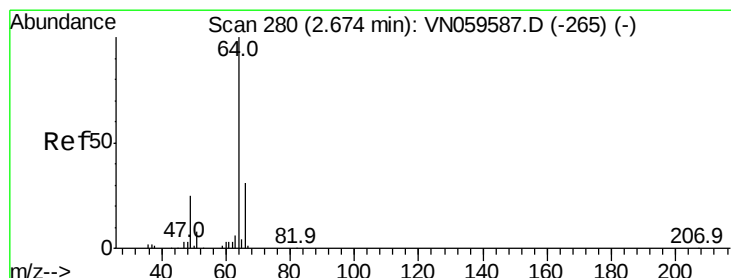
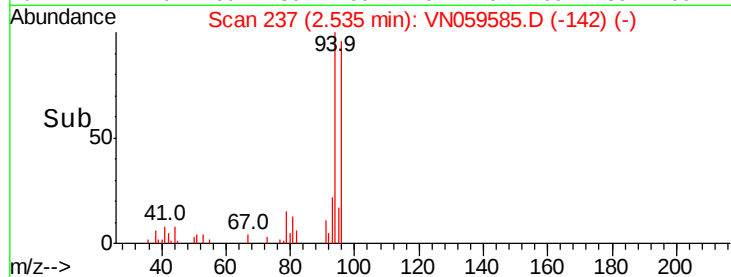
4000

2000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 4.158 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN059585.D

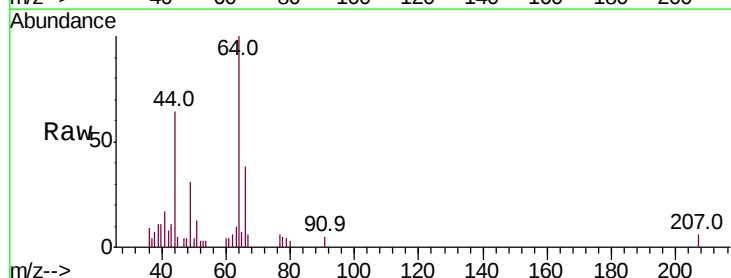
Acq: 13 Dec 2019 16:00

Tgt Ion: 64 Resp: 11247

Ion Ratio Lower Upper

64 100

66 38.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VN059585.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN059585.D (-187) (-)

2.67

6000

5000

4000

3000

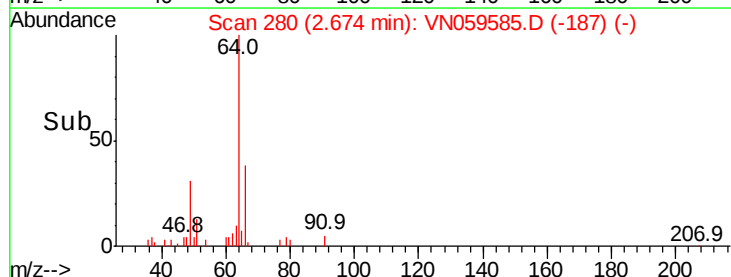
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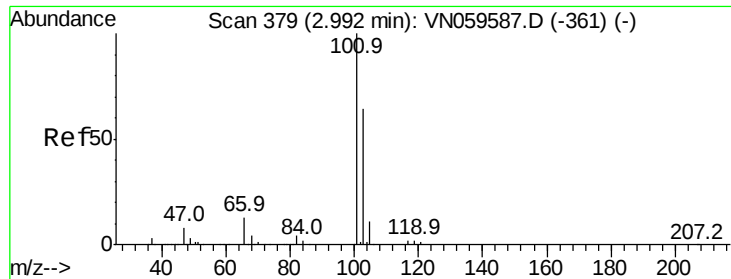
1000

0

Time-->

2.60 2.65 2.70 2.75



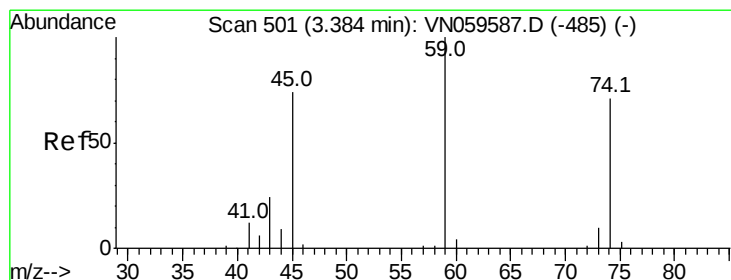
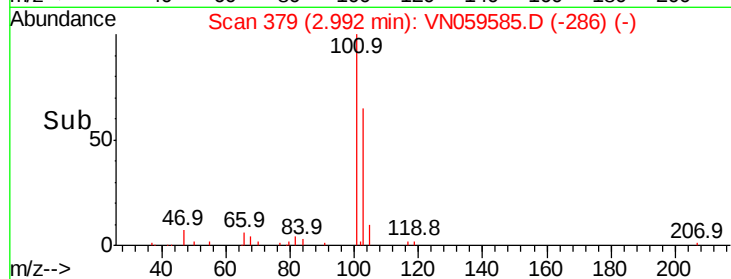
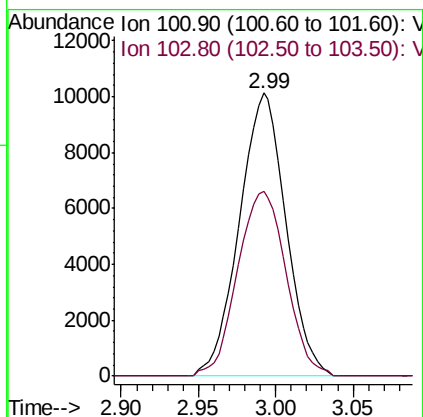
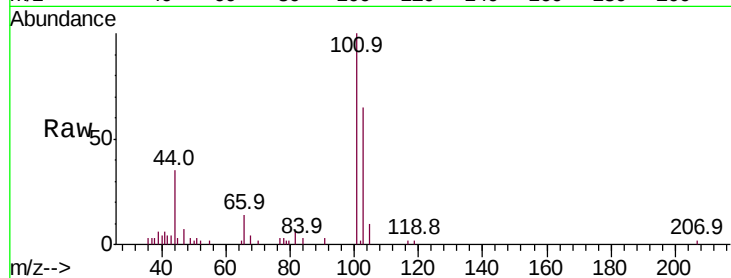


#7

Trichlorofluoromethane
 Concen: 3.907 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampled :

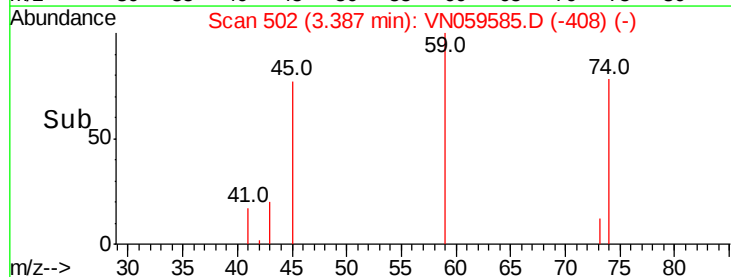
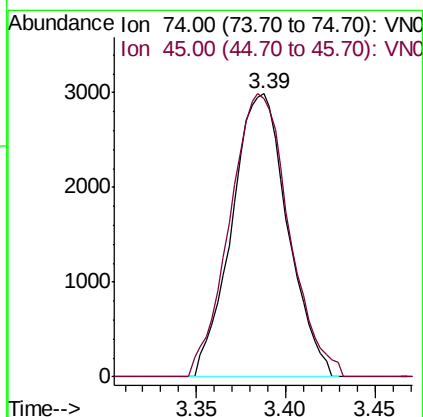
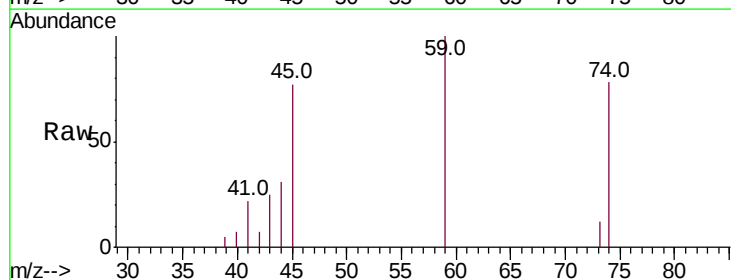
Tot Ion:101 Resp: 21207
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.0 76.6

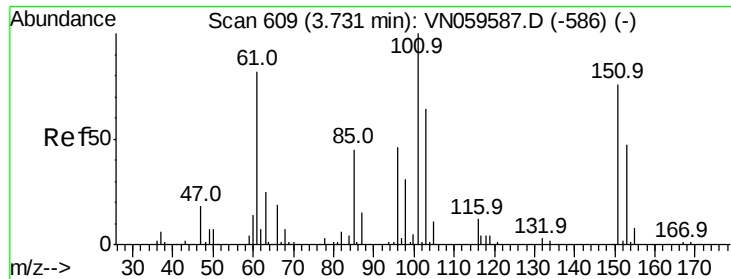


#8

Diethyl Ether
 Concen: 3.527 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion: 74 Resp: 6512
 Ion Ratio Lower Upper
 74 100
 45 106.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.559 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampled :

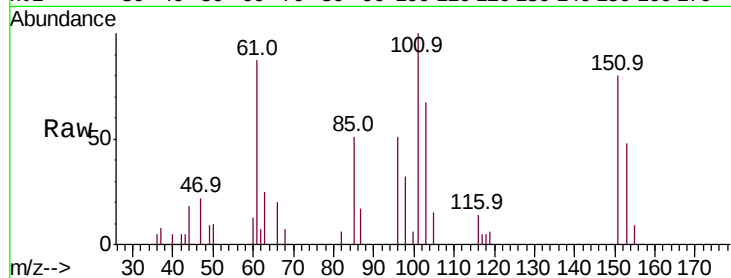
Tot Ion:101 Resp: 9971

Ion Ratio Lower Upper

101 100

85 46.8 36.6 54.8

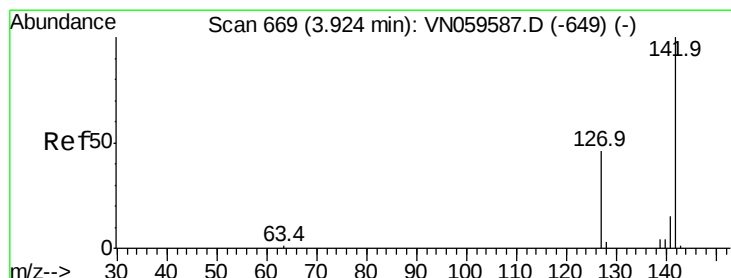
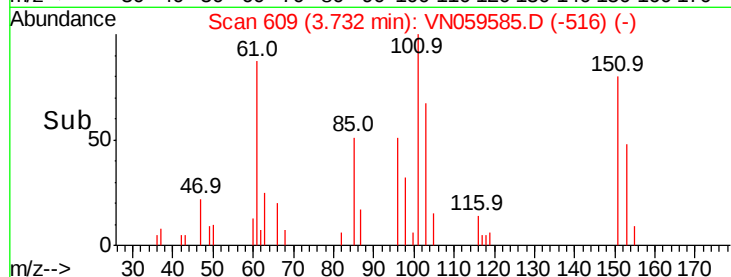
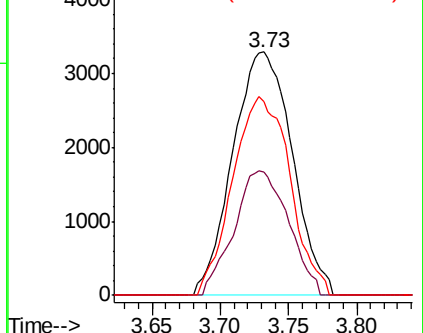
151 78.6 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.357 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

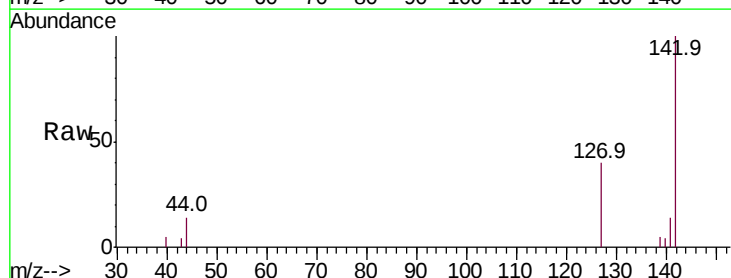
Tgt Ion:142 Resp: 12853

Ion Ratio Lower Upper

142 100

127 44.2 36.7 55.1

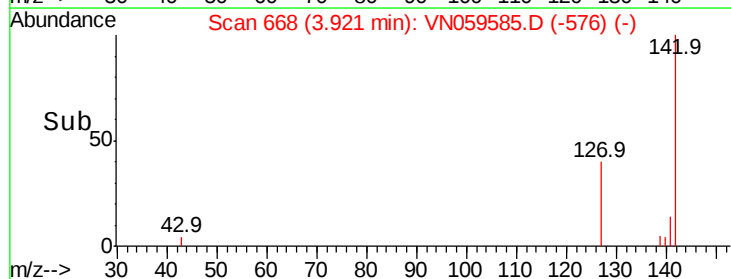
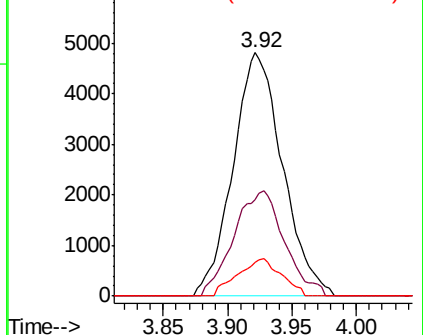
141 13.5 11.7 17.5

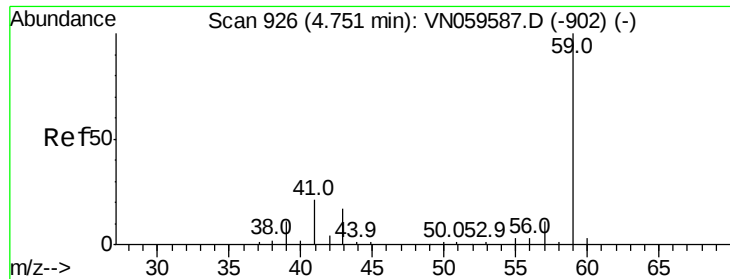


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

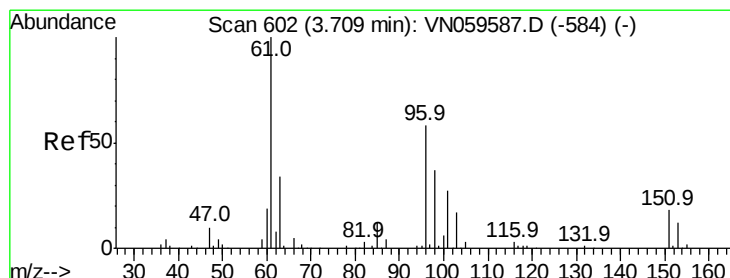
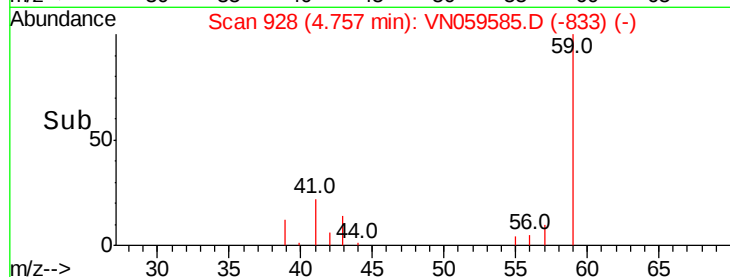
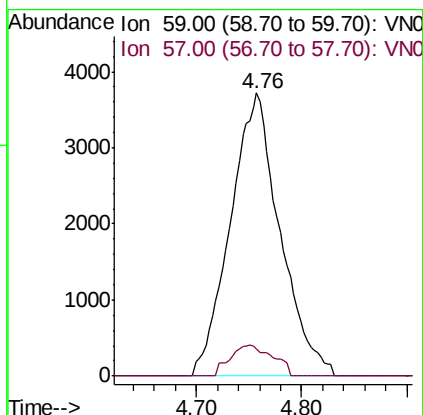
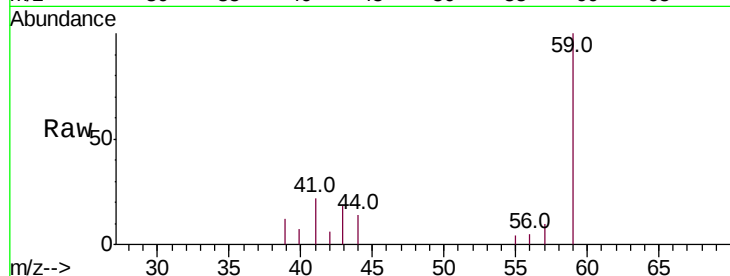




#11
Tert butyl alcohol
Concen: 19.543 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

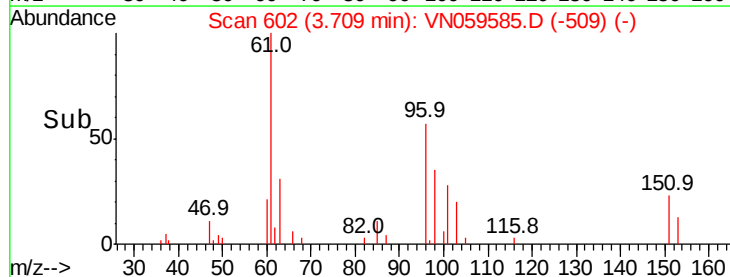
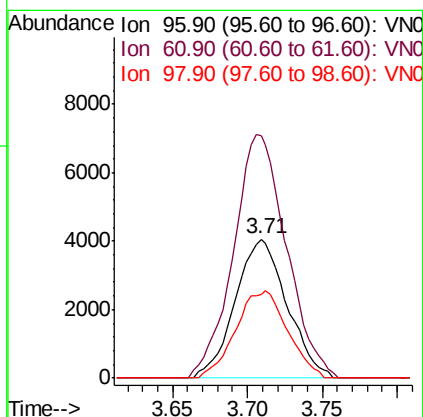
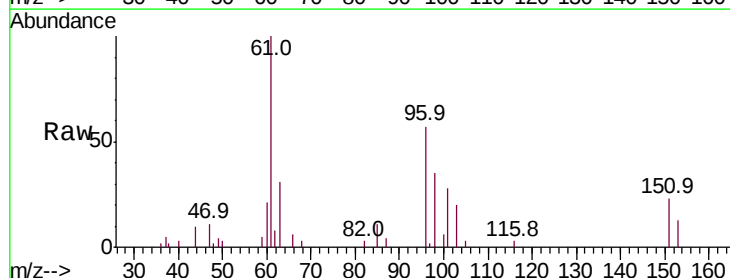
Instrument :
MSVOA_N
ClientSampleId :

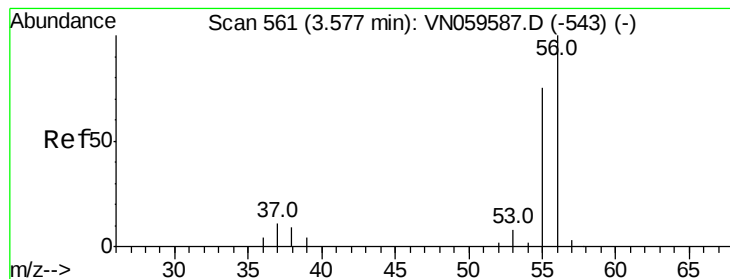
Tot Ion: 59 Resp: 12169
Ion Ratio Lower Upper
59 100
57 9.4 8.6 12.8



#12
1,1-Dichloroethene
Concen: 3.567 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion: 96 Resp: 9771
Ion Ratio Lower Upper
96 100
61 174.0 137.5 206.3
98 60.3 50.2 75.4





#13

Acrolein

Concen: 25.210 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

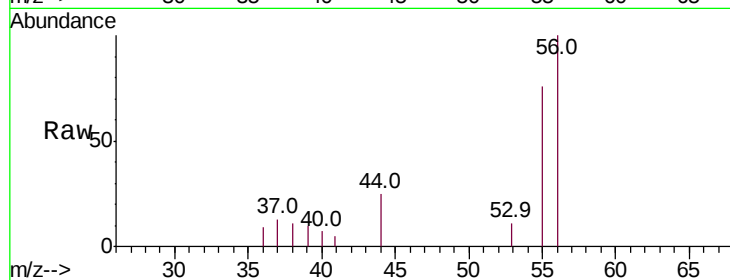
ClientSampled :

Tot Ion: 56 Resp: 8950

Ion Ratio Lower Upper

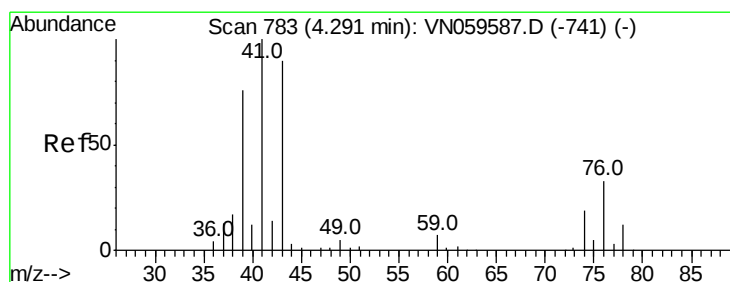
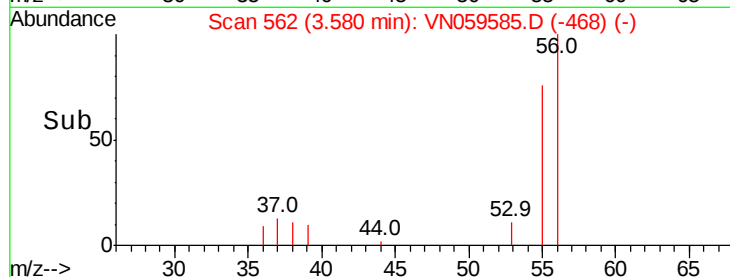
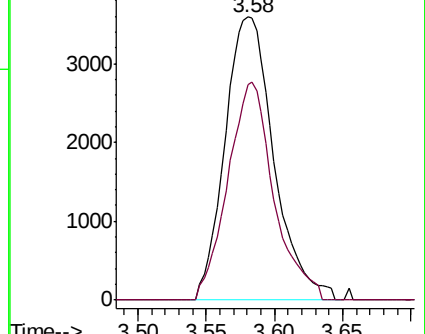
56 100

55 72.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 3.640 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

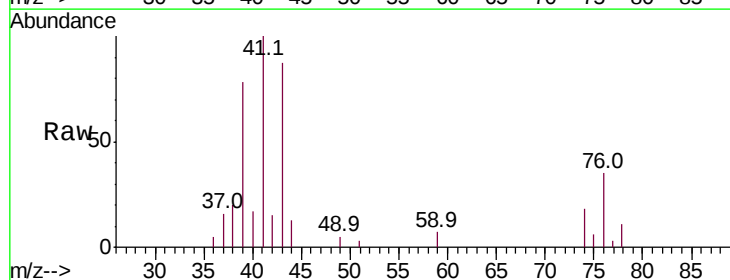
Tgt Ion: 41 Resp: 19127

Ion Ratio Lower Upper

41 100

39 76.5 57.8 86.8

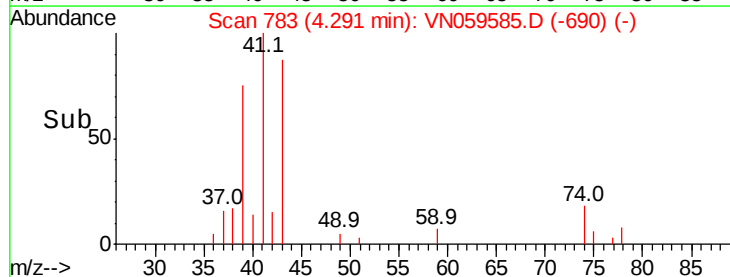
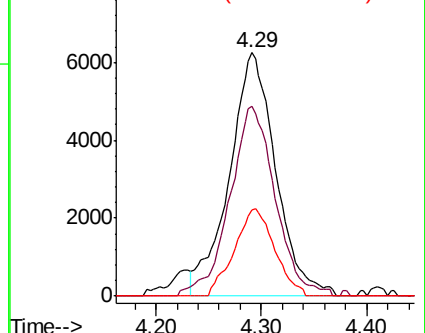
76 31.0 25.4 38.0

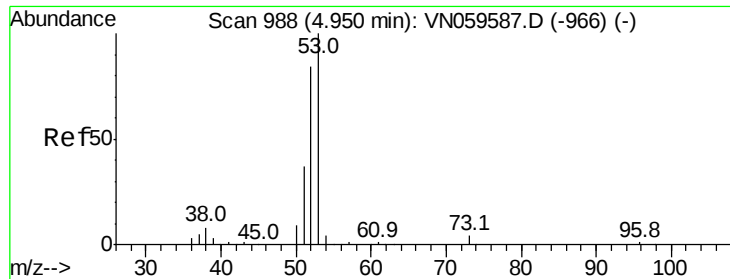


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 18.538 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampled :

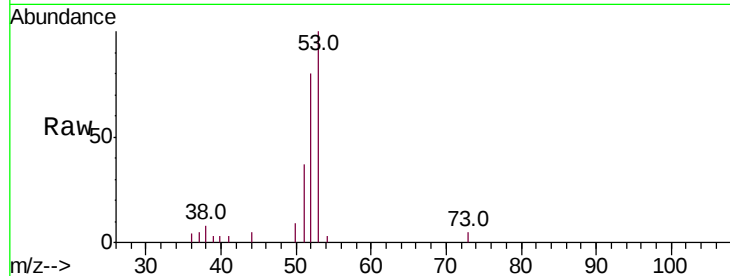
Tot Ion: 53 Resp: 29741

Ion Ratio Lower Upper

53 100

52 82.6 66.3 99.5

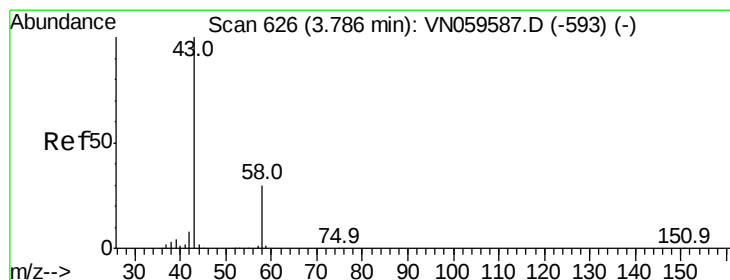
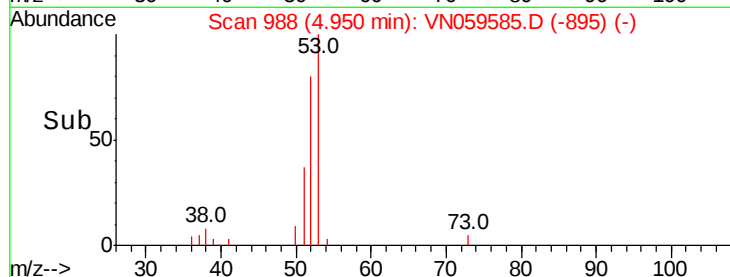
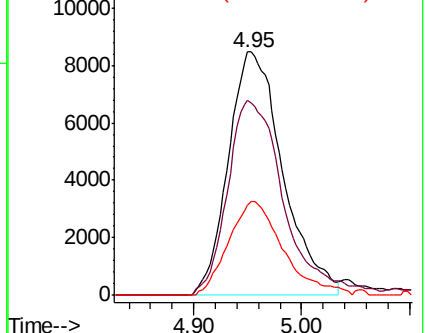
51 38.7 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 20.156 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059585.D

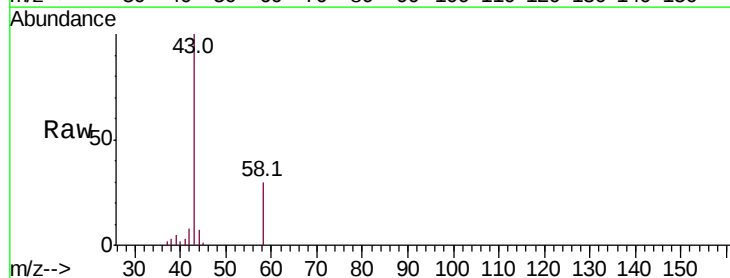
Acq: 13 Dec 2019 16:00

Tgt Ion: 43 Resp: 36524

Ion Ratio Lower Upper

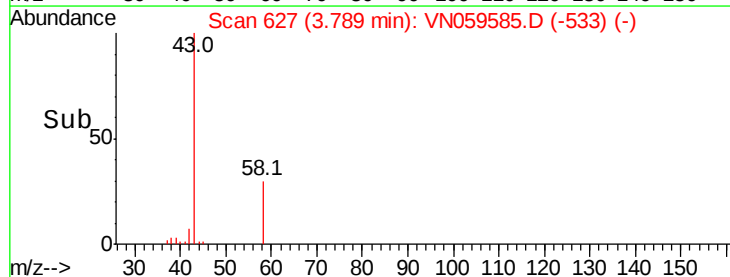
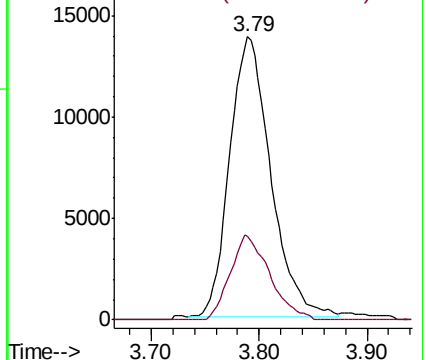
43 100

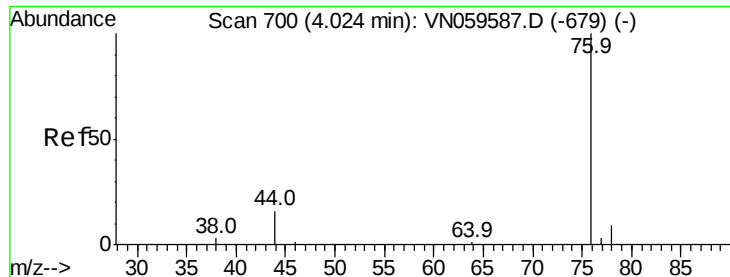
58 30.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

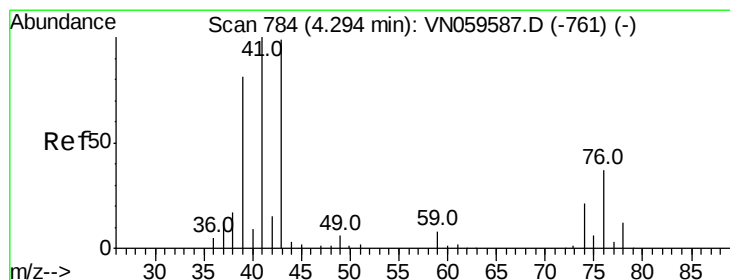
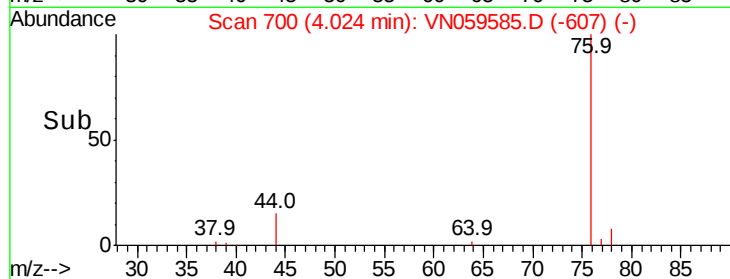
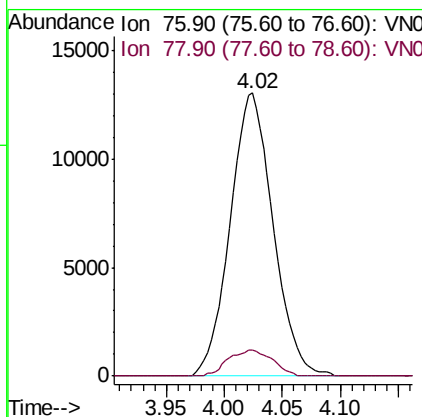
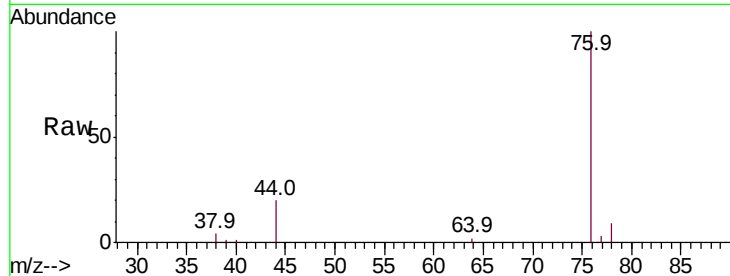




#17
Carbon Disulfide
Concen: 3.326 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

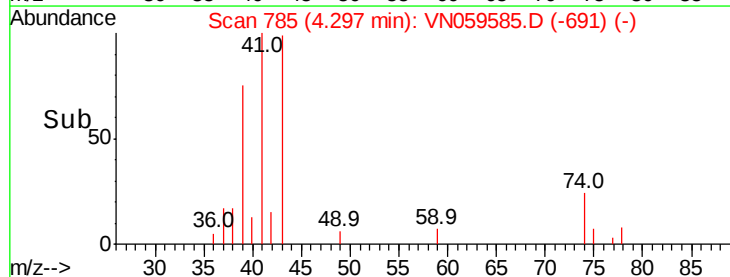
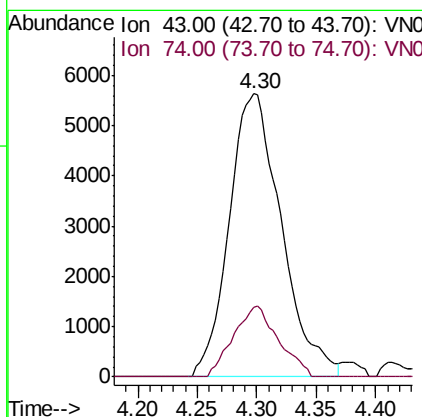
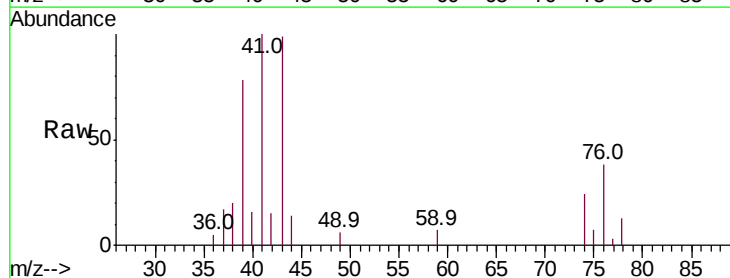
Instrument :
MSVOA_N
ClientSampleId :

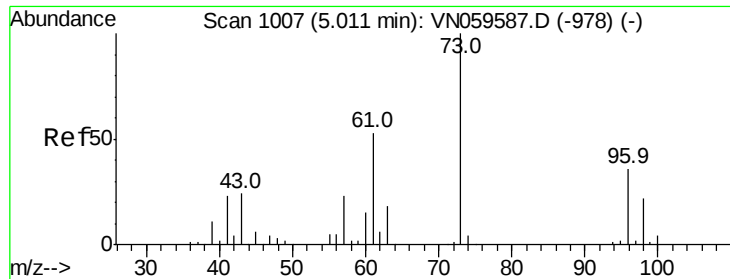
Tot Ion: 76 Resp: 33457
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 3.799 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion: 43 Resp: 17139
Ion Ratio Lower Upper
43 100
74 21.5 17.5 26.3

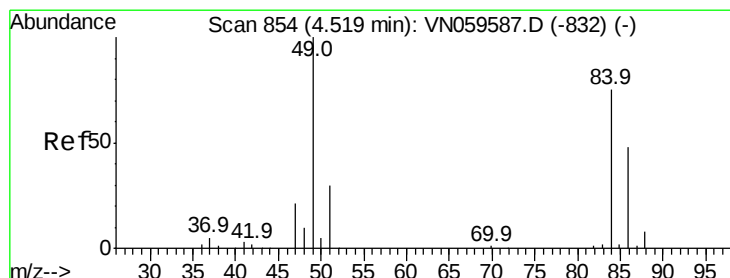
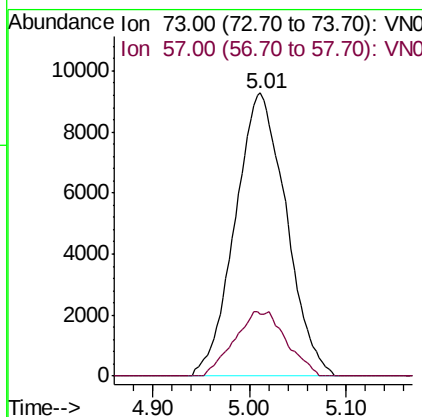
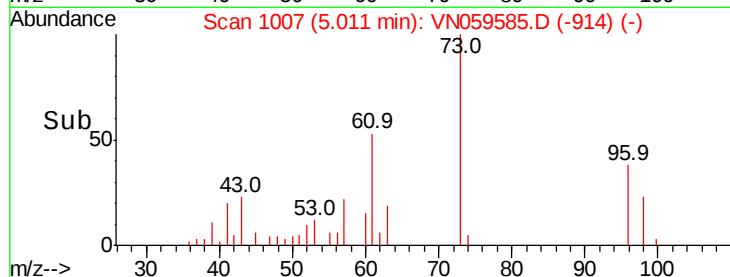
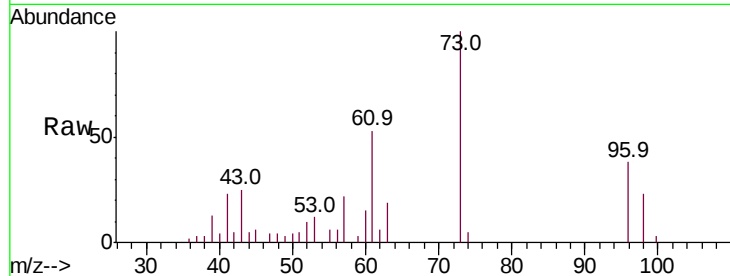




#19
Methvl tert-butvl Ether
Concen: 3.739 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

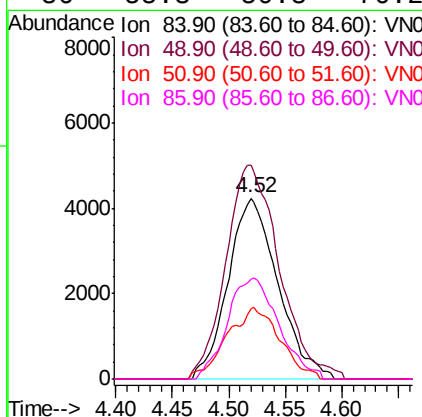
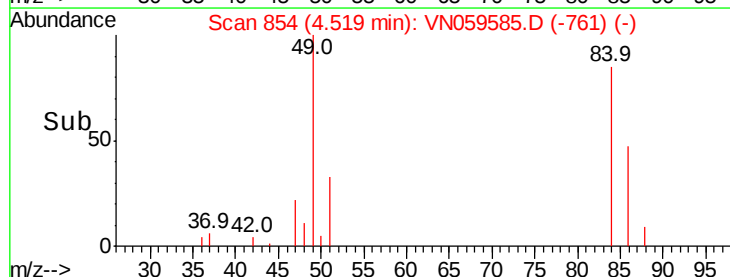
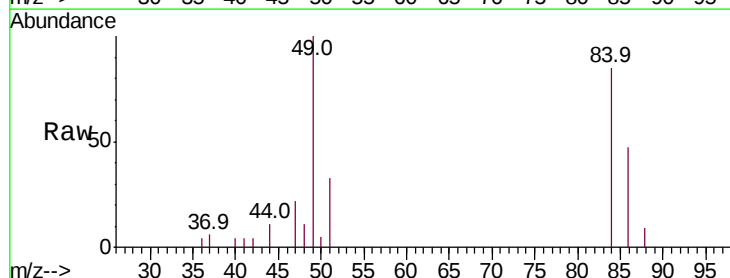
Instrument :
MSVOA_N
ClientSampleId :

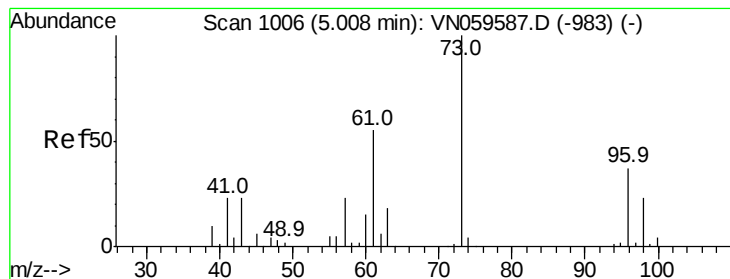
Tot Ion: 73 Resp: 34010
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8



#20
Methylene Chloride
Concen: 3.753 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion: 84 Resp: 13026
Ion Ratio Lower Upper
84 100
49 117.7 106.6 160.0
51 39.2 31.9 47.9
86 55.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 3.780 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :

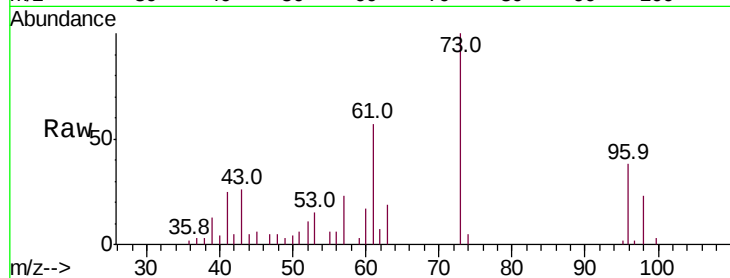
Tot Ion: 96 Resp: 11075

Ion Ratio Lower Upper

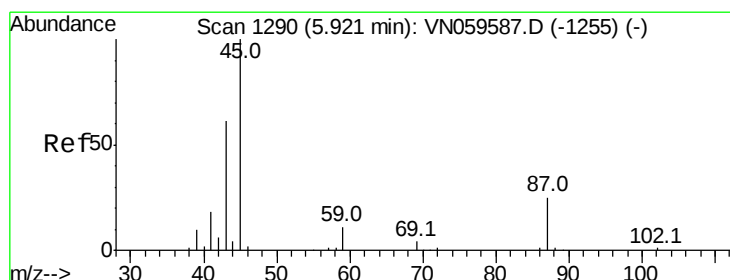
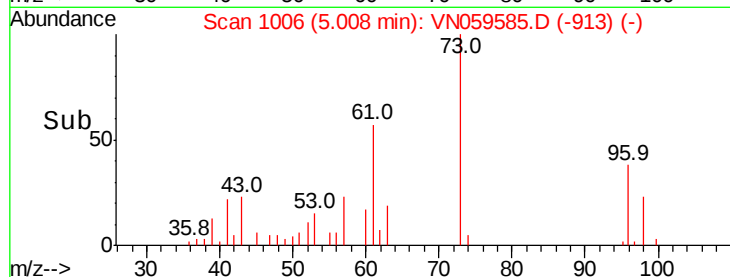
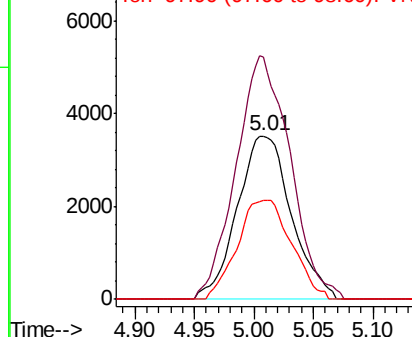
96 100

61 147.8 120.4 180.6

98 60.4 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 3.674 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Tgt Ion: 45 Resp: 36728

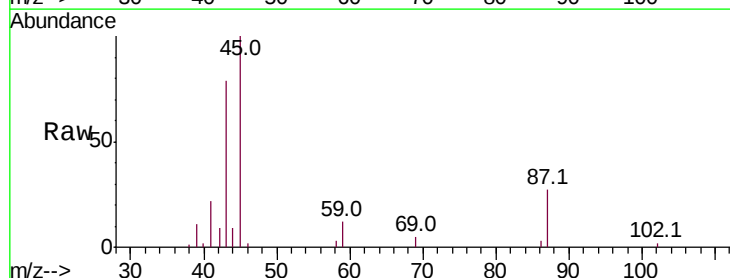
Ion Ratio Lower Upper

45 100

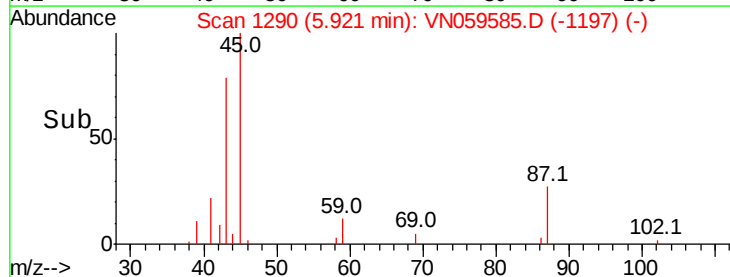
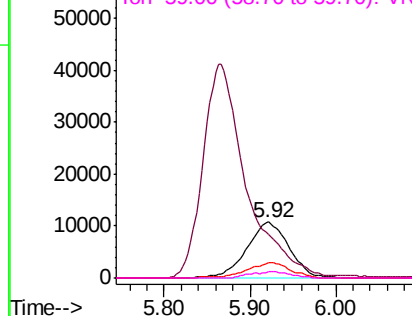
43 74.7 50.8 76.2

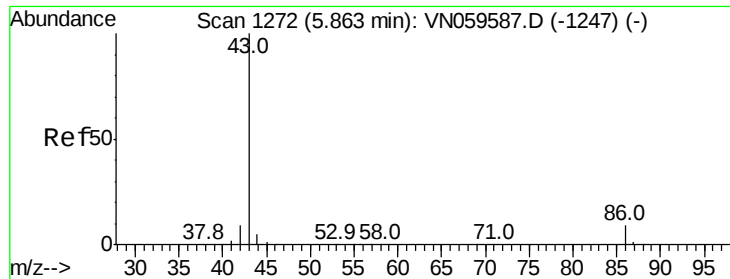
87 27.1 21.0 31.6

59 11.5 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

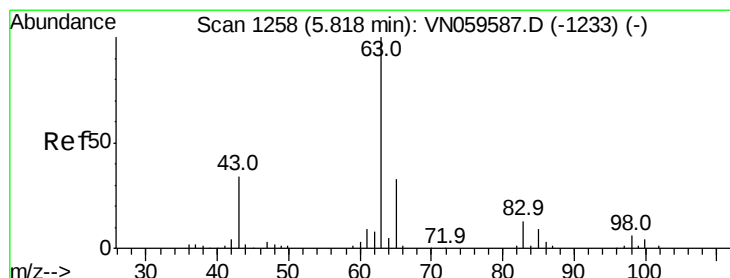
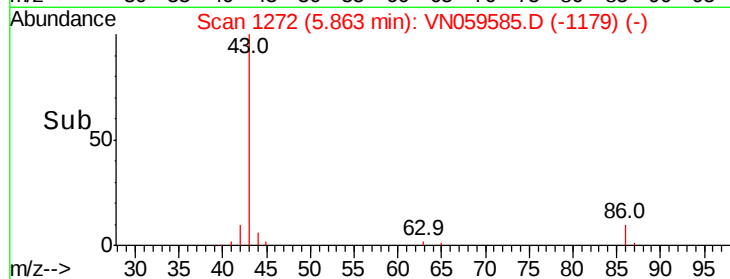
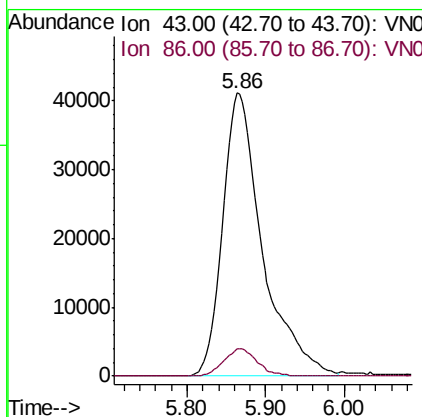
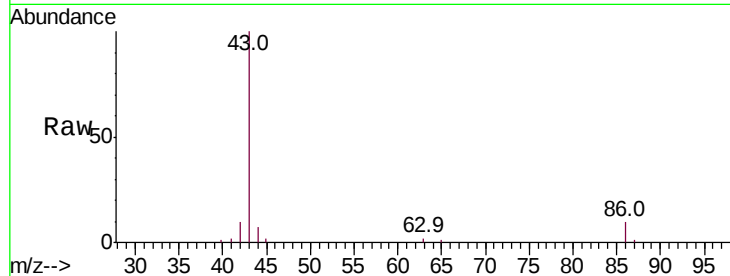




#23
 Vinyl Acetate
 Concen: 17.438 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

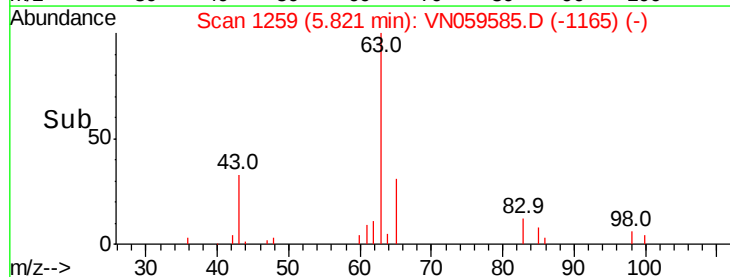
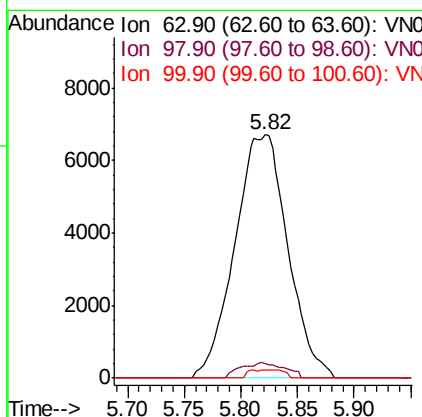
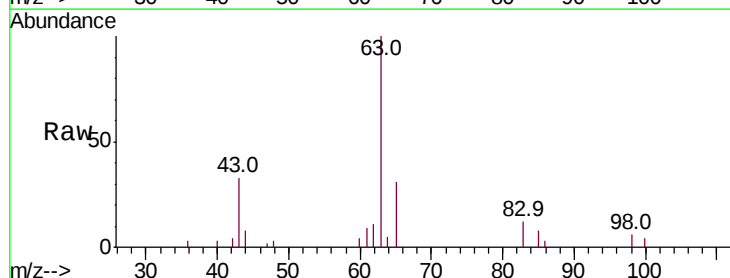
Instrument :
 MSVOA_N
 ClientSampleId :

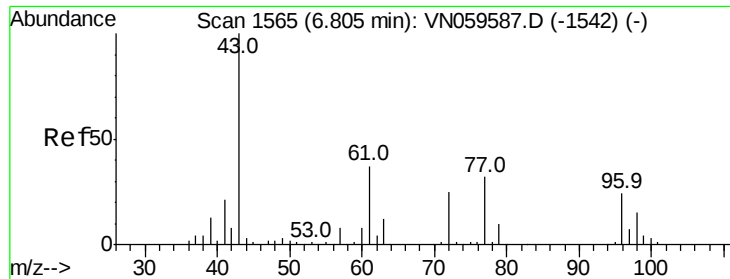
Tot Ion: 43 Resp: 144401
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 3.849 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion: 63 Resp: 21872
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.5 2.0 6.0





#25

2-Butanone

Concen: 19.708 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

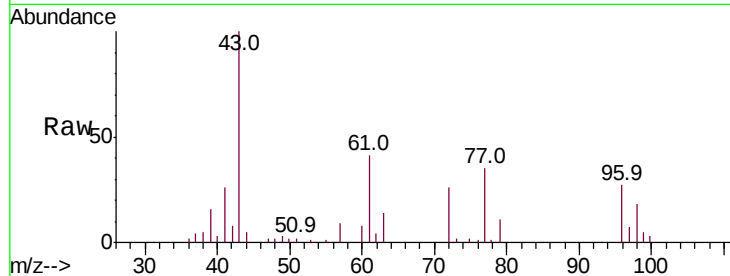
ClientSampleId :

Tot Ion: 43 Resp: 46323

Ion Ratio Lower Upper

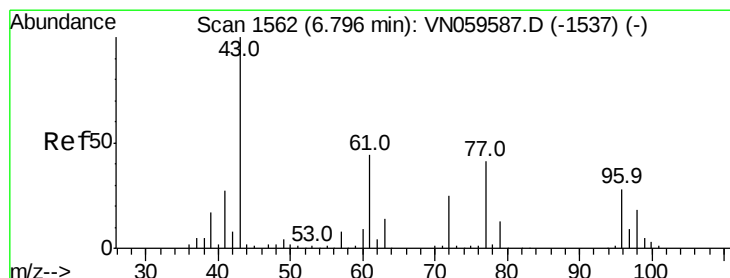
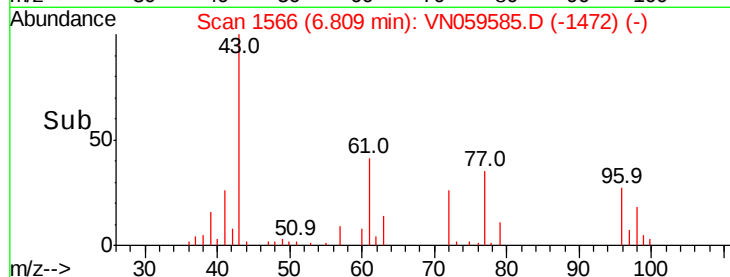
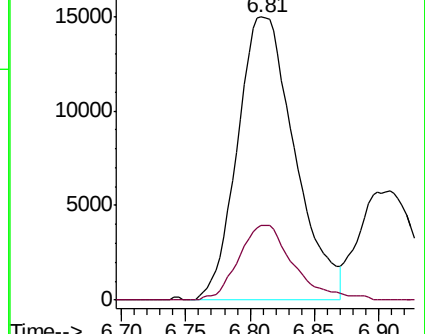
43 100

72 26.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 3.913 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059585.D

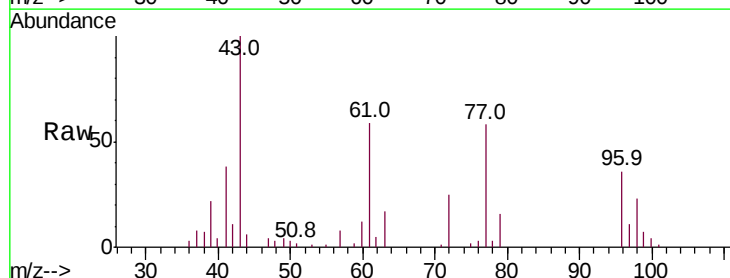
Acq: 13 Dec 2019 16:00

Tgt Ion: 77 Resp: 20105

Ion Ratio Lower Upper

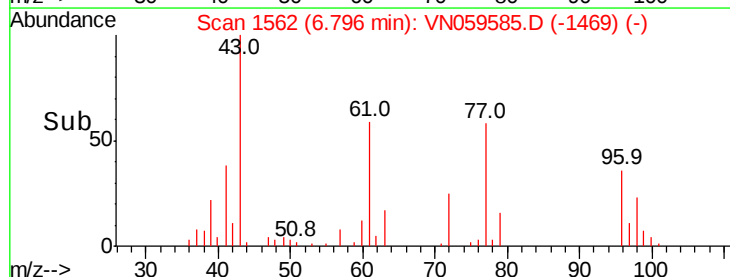
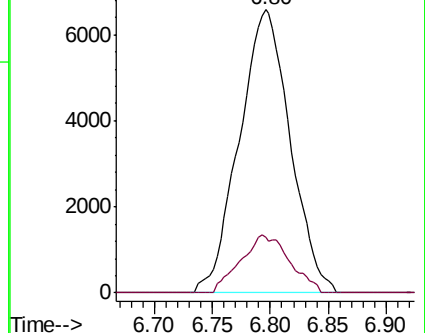
77 100

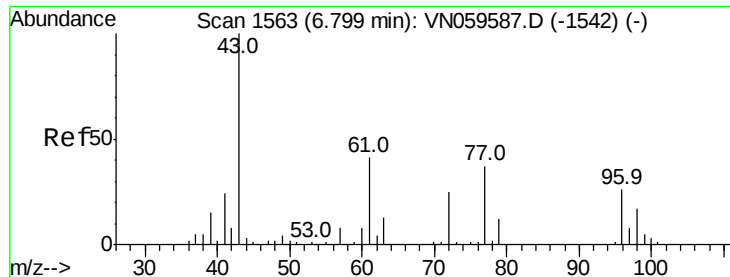
97 19.7 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 3.853 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

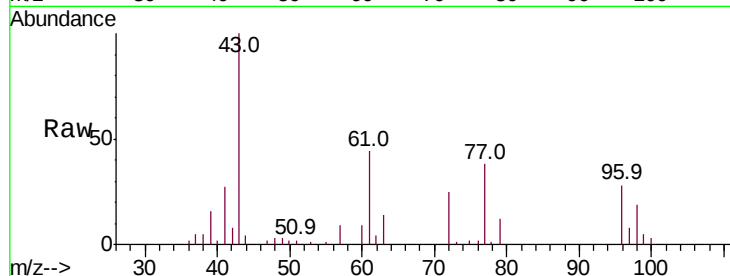
Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 12717

Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	317.6
98	62.1	0.0	127.0

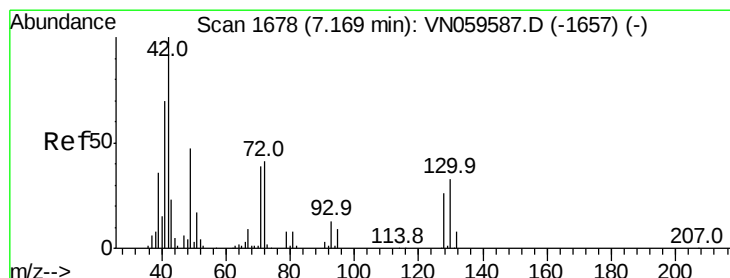
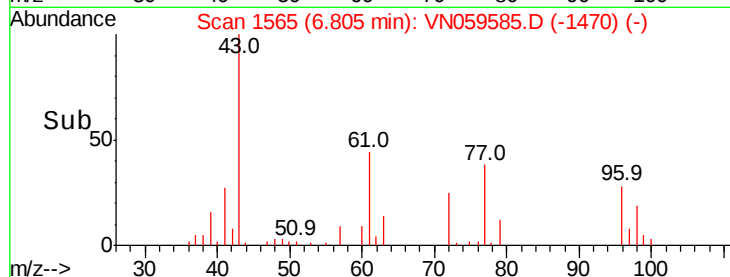
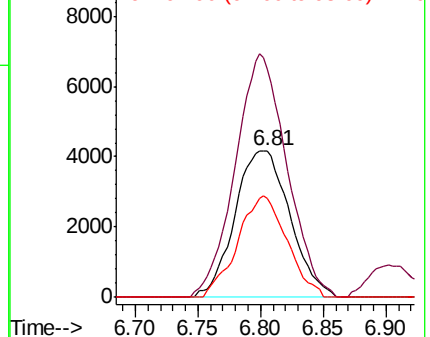


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 3.344 ug/l

RT: 7.17 min Scan# 1678

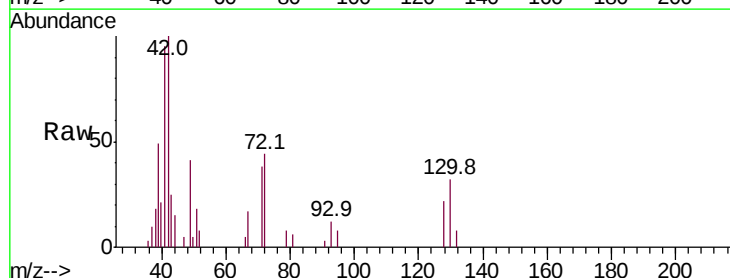
Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Tgt Ion: 49 Resp: 6189

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	68.8	54.7	82.1

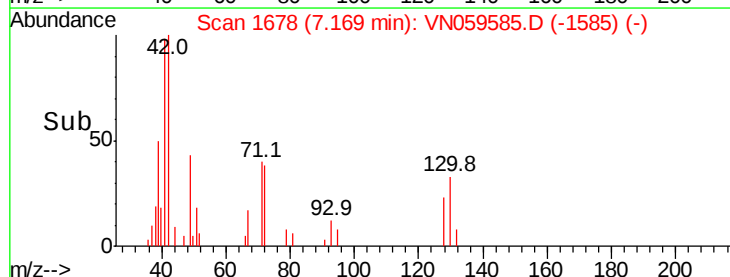
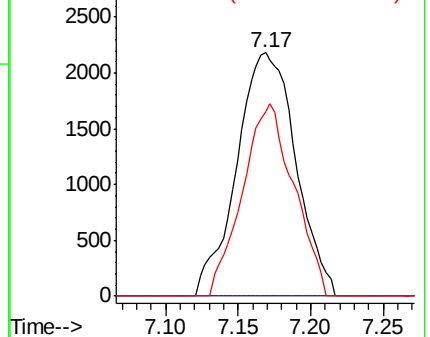


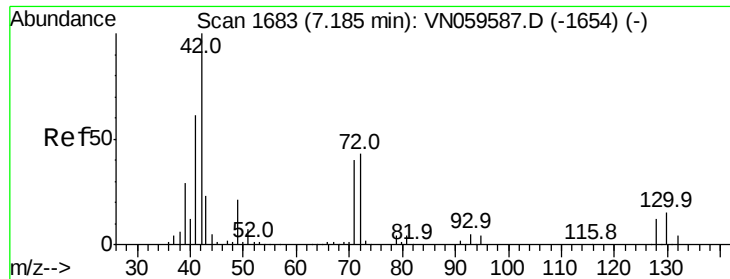
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

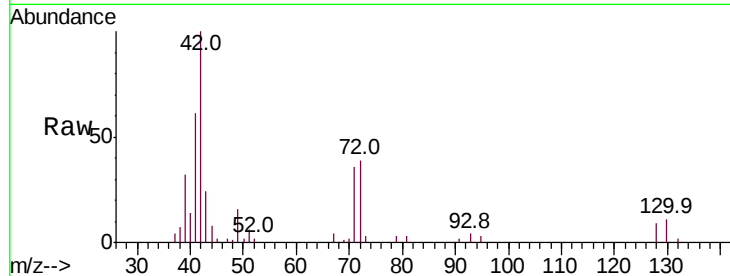




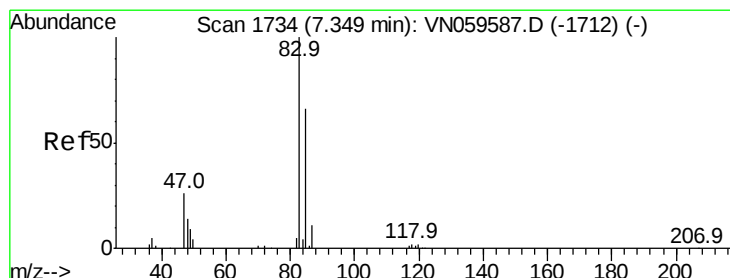
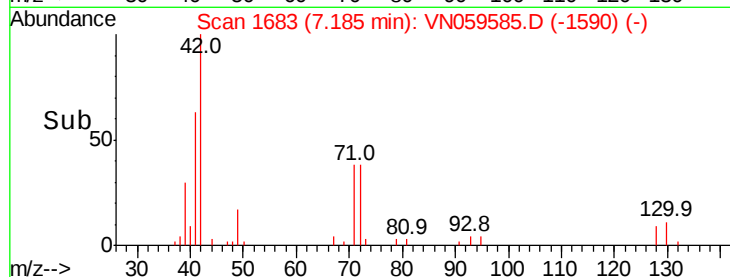
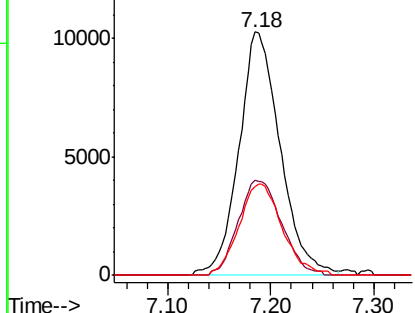
#29
Tetrahydrofuran
Concen: 17.848 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.1	49.7
71	39.1	31.4	47.0

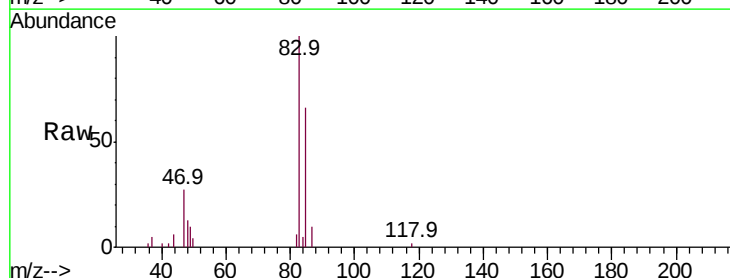


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

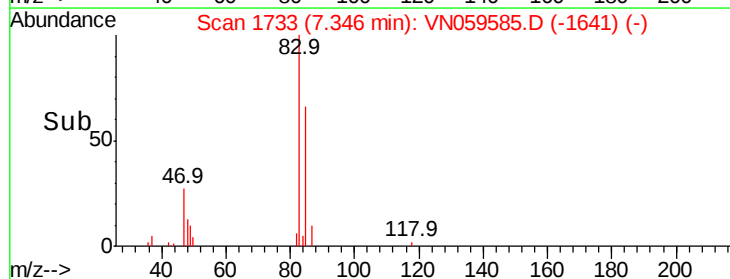
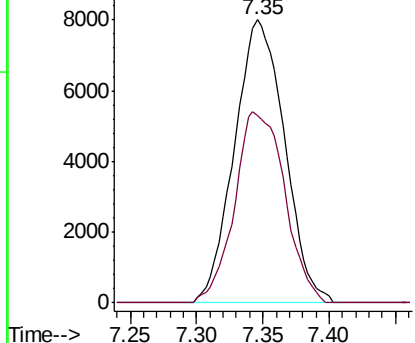


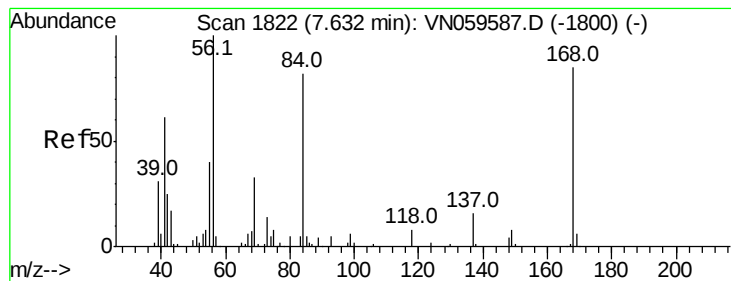
#30
Chloroform
Concen: 3.752 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 4.415 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

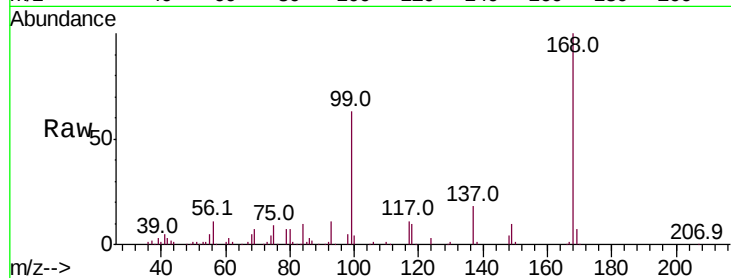
Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

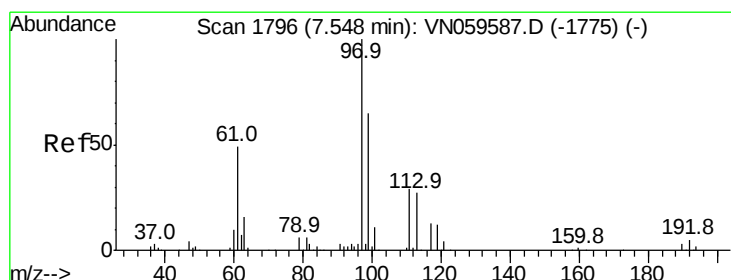
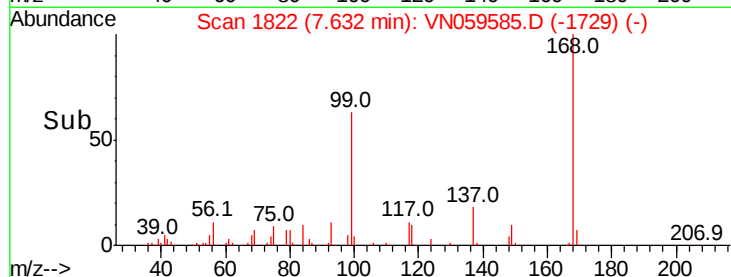
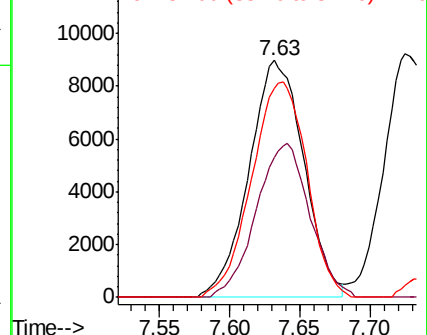
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 24387

Ion	Ratio	Lower	Upper
56	100		
69	59.2	26.5	39.7#
84	88.5	65.3	97.9



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 3.907 ug/l

RT: 7.55 min Scan# 1796

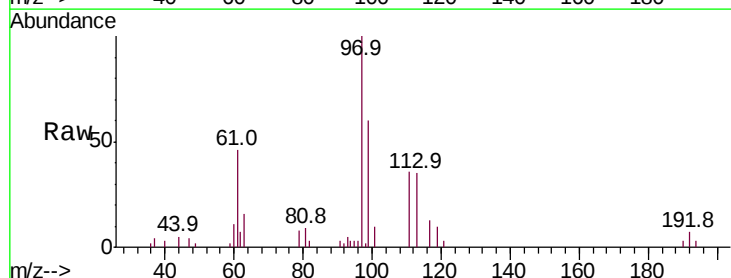
Delta R.T. 0.00 min

Lab File: VN059585.D

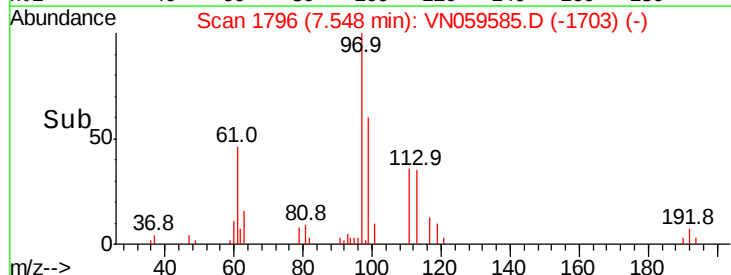
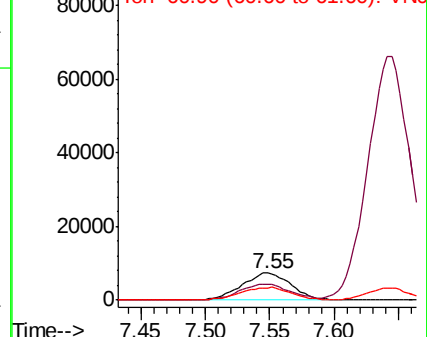
Acq: 13 Dec 2019 16:00

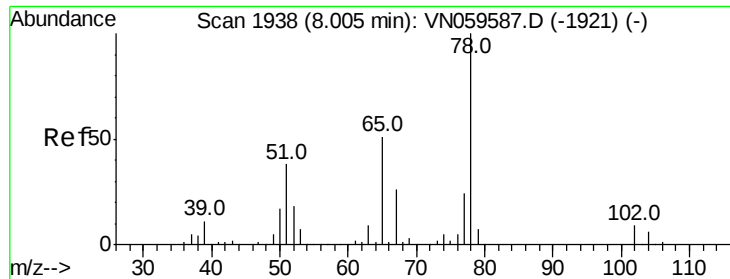
Tgt Ion: 97 Resp: 19434

Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.0	76.4
61	48.8	38.5	57.7



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

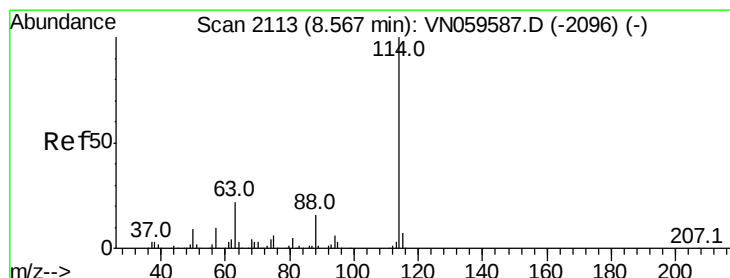
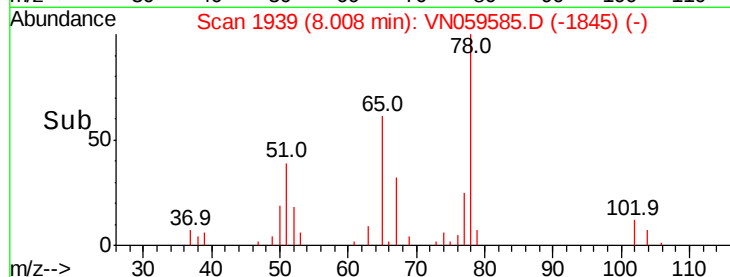
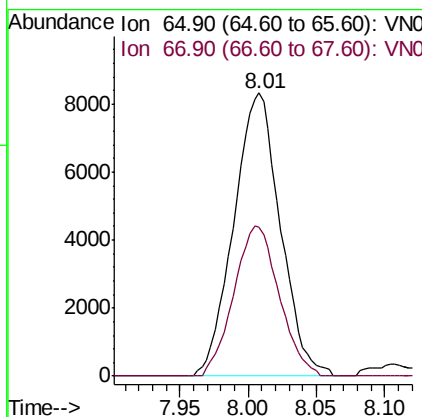
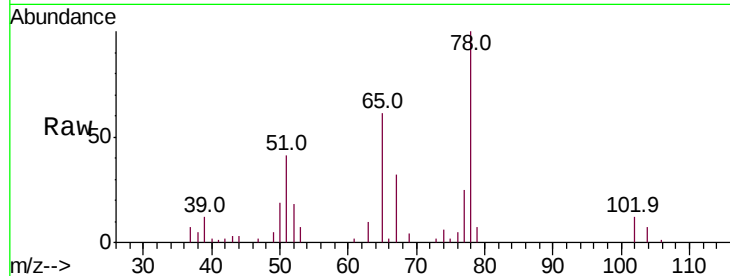




#33
 1,2-Dichloroethane-d4
 Concen: 5.341 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

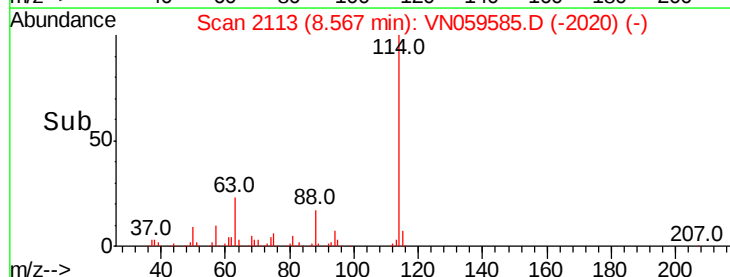
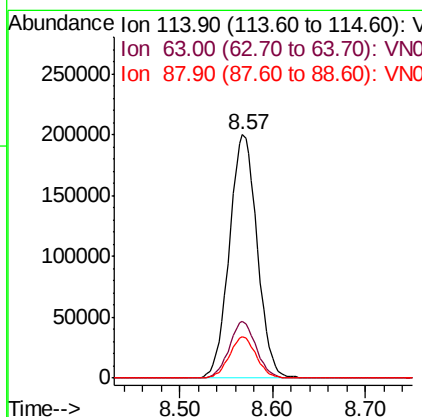
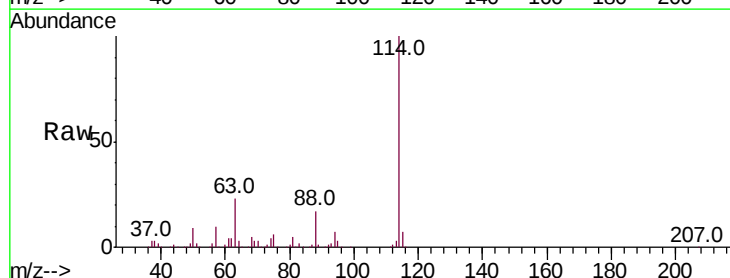
Instrument :
 MSVOA_N
 ClientSampleId :

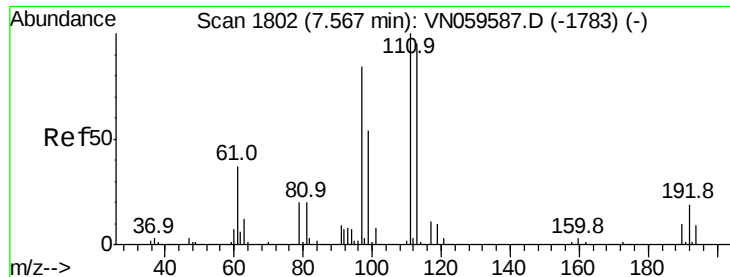
Tot Ion: 65 Resp: 19691
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion: 114 Resp: 416468
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 43.6
 88 16.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 5.154 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :

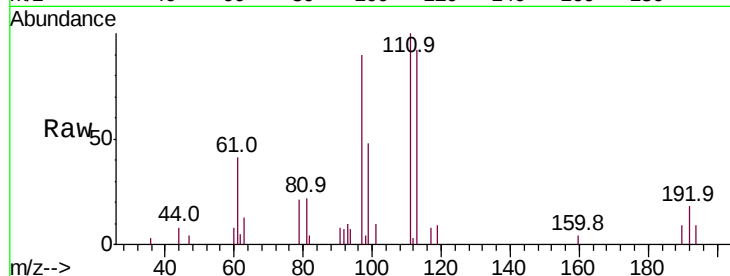
Tot Ion:113 Resp: 13034

Ion Ratio Lower Upper

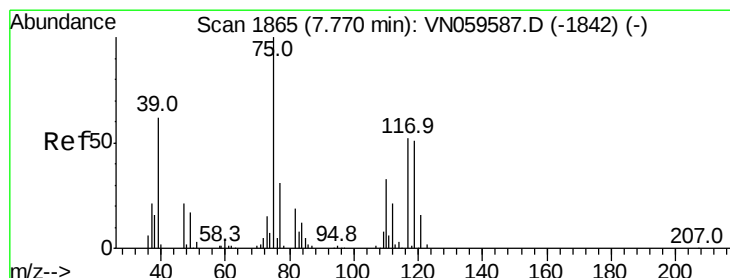
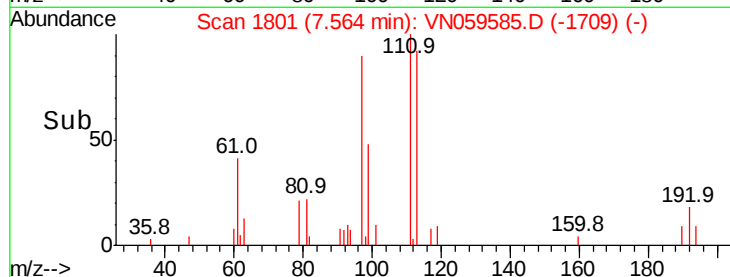
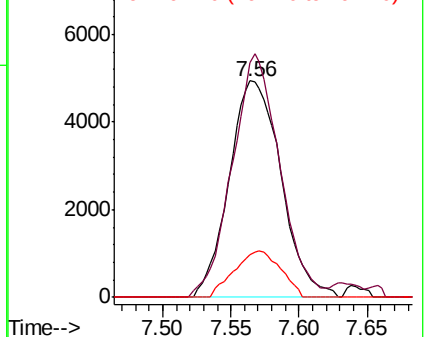
113 100

111 102.9 83.5 125.3

192 19.2 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.660 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

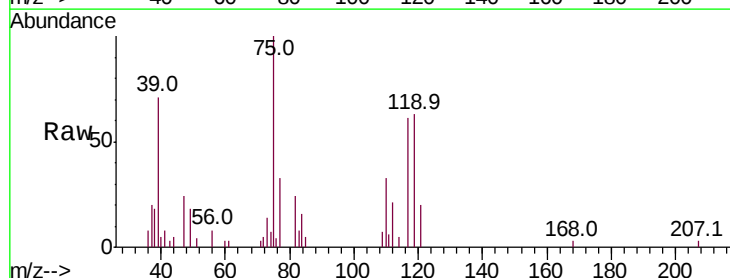
Tgt Ion: 75 Resp: 15881

Ion Ratio Lower Upper

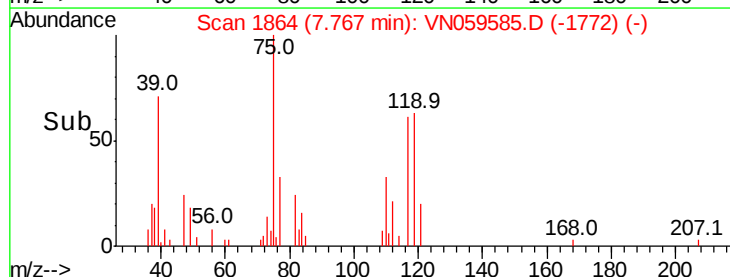
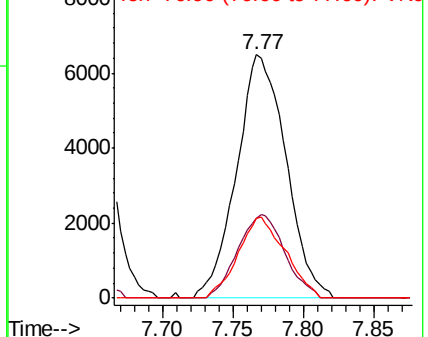
75 100

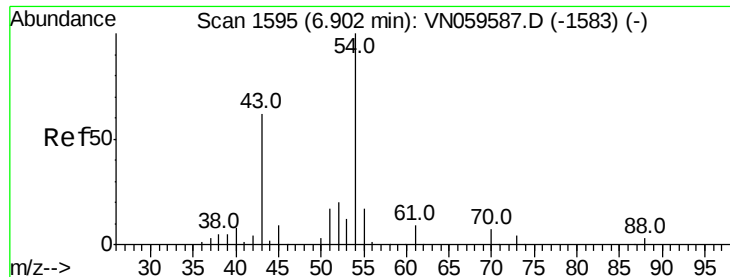
110 32.6 16.6 49.7

77 31.5 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO

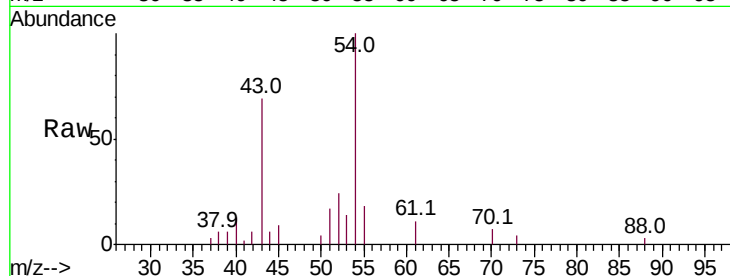




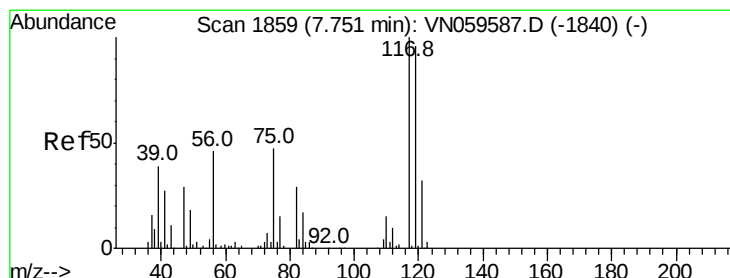
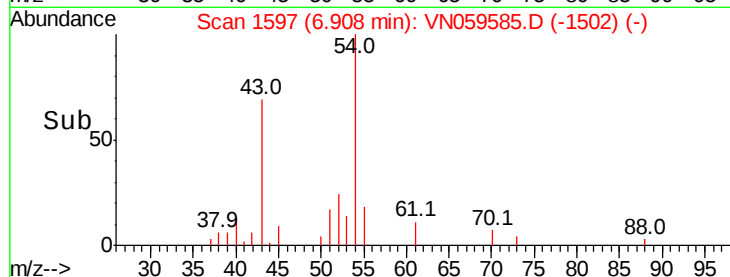
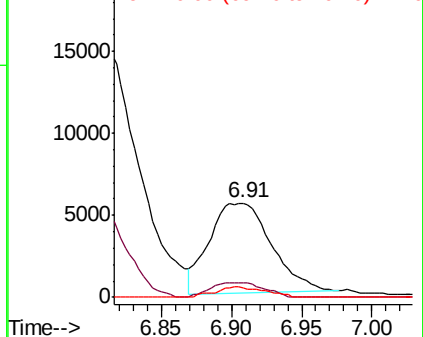
#37
Ethyl Acetate
Concen: 3.699 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 16725
Ion Ratio Lower Upper
43 100
61 14.2 10.9 16.3
70 9.4 7.7 11.5

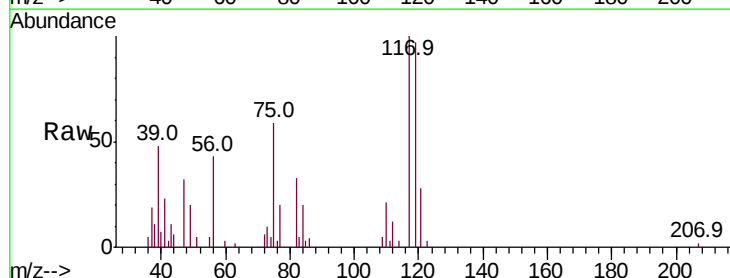


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

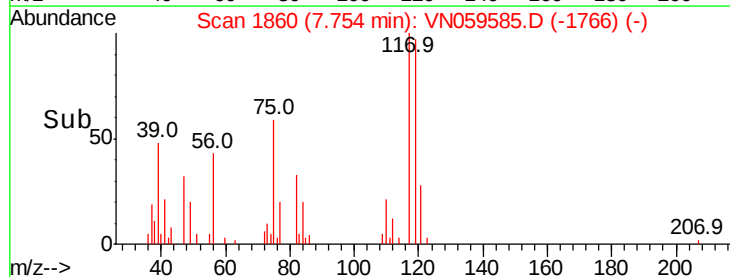
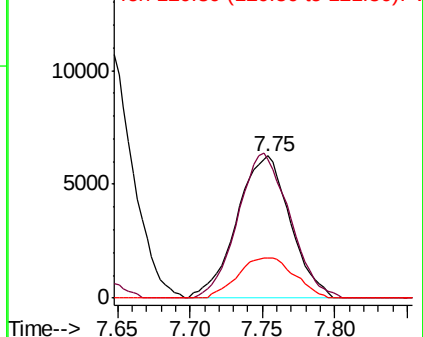


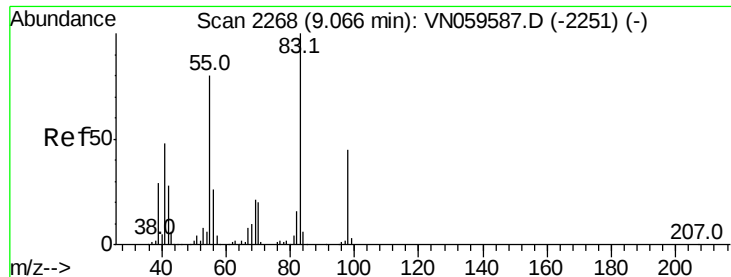
#38
Carbon Tetrachloride
Concen: 3.731 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion: 117 Resp: 16001
Ion Ratio Lower Upper
117 100
119 97.1 76.5 114.7
121 27.8 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

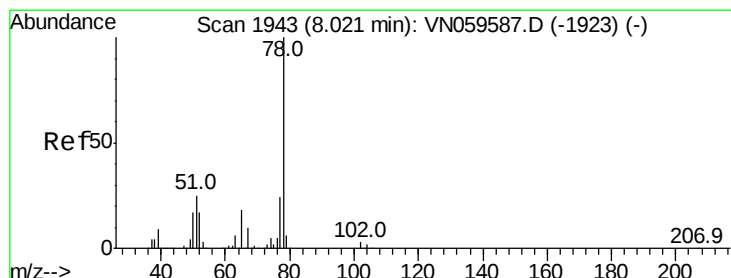
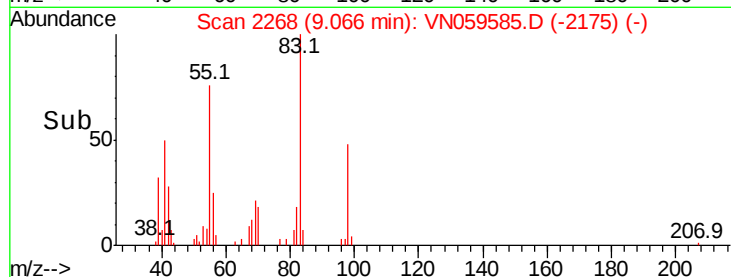
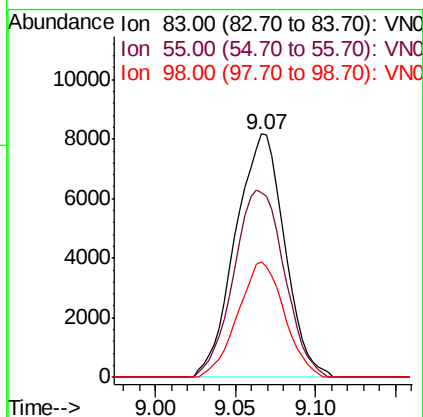
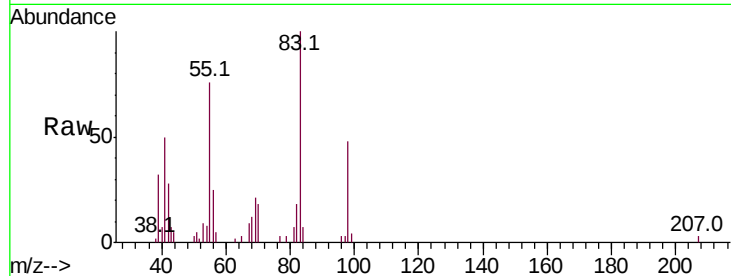




#39
Methvlcvclohexane
Concen: 3.546 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

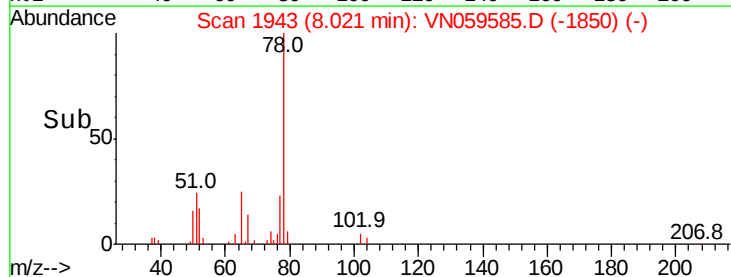
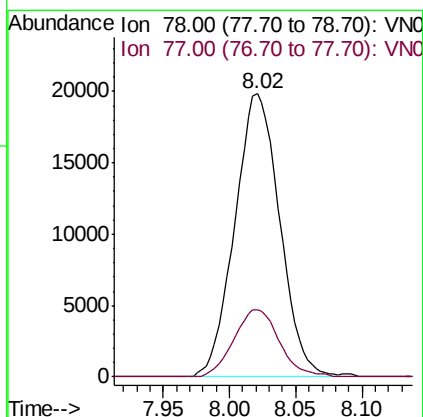
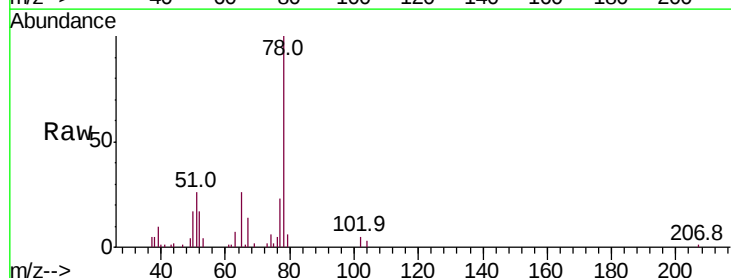
Instrument :
MSVOA_N
ClientSampleId :

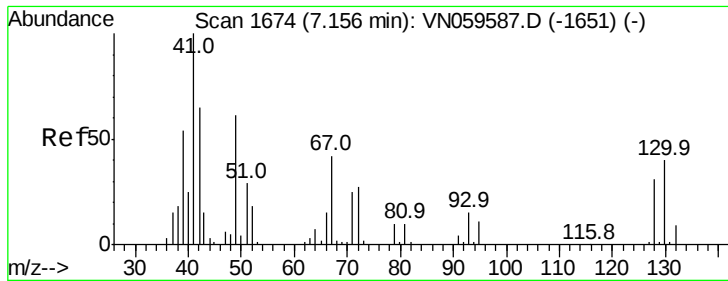
Tot Ion: 83 Resp: 17240
Ion Ratio Lower Upper
83 100
55 76.1 64.2 96.2
98 47.6 35.9 53.9



#40
Benzene
Concen: 3.771 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion: 78 Resp: 46838
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3





#41

Methacrylonitrile

Concen: 3.095 ug/l

RT: 7.15 min Scan# 1671

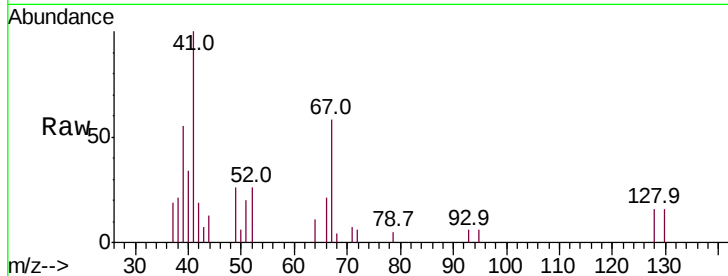
Delta R.T. -0.01 min

Lab File: VN059585.D

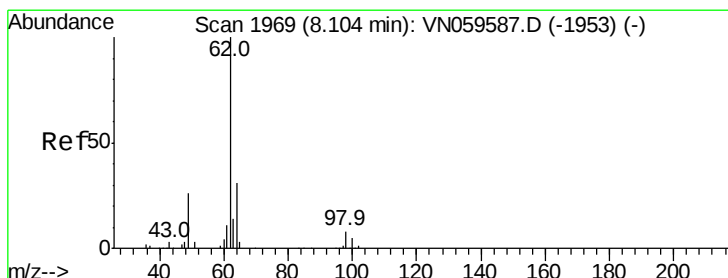
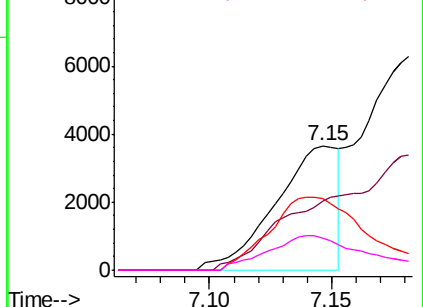
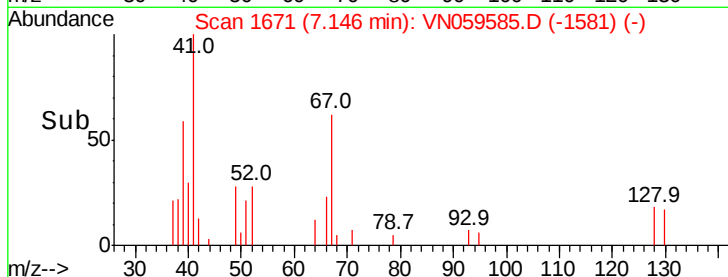
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	6554
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	90.3	0.0	0.0#
52	41.9	0.0	0.0#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 3.989 ug/l

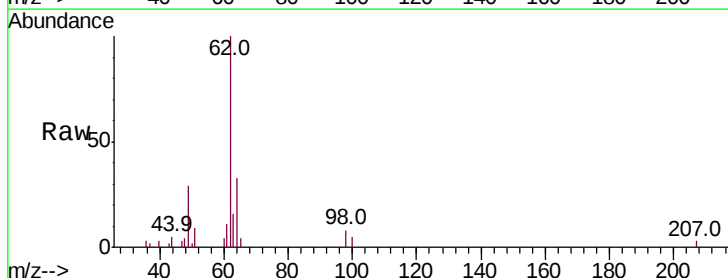
RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

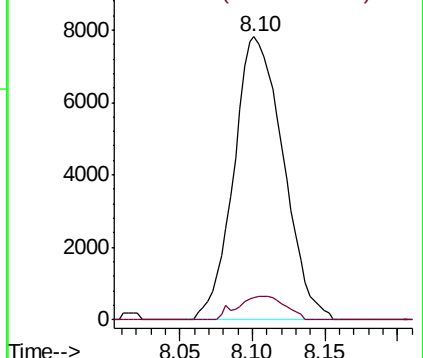
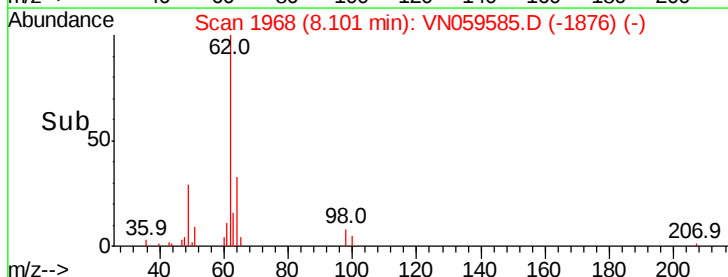
Lab File: VN059585.D

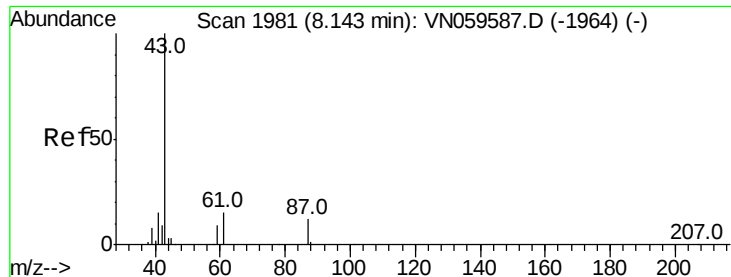
Acq: 13 Dec 2019 16:00

Tgt Ion:	62	Resp:	18496
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 3.629 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

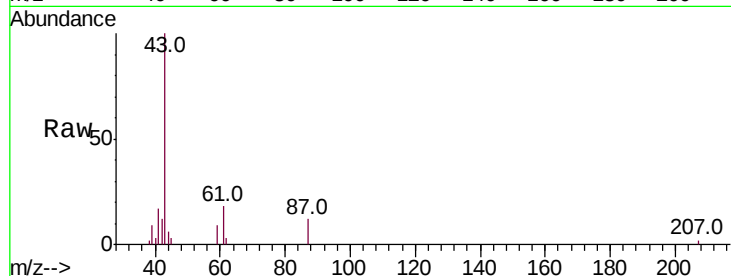
Tot Ion: 43 Resp: 27283

Ion Ratio Lower Upper

43 100

61 18.1 20.2 30.2#

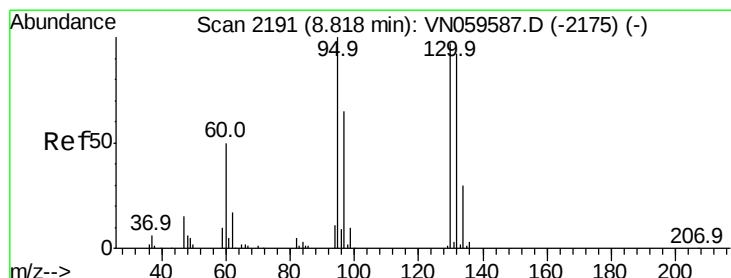
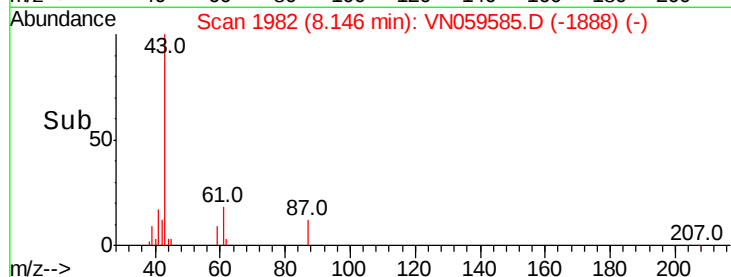
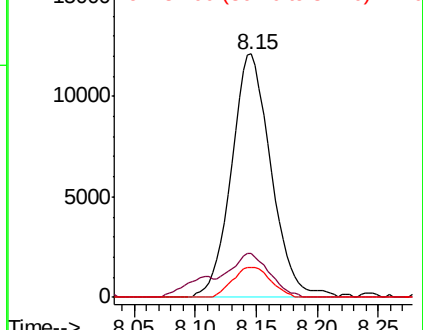
87 11.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 3.966 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059585.D

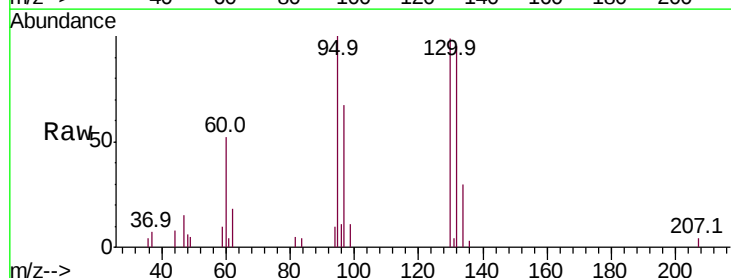
Acq: 13 Dec 2019 16:00

Tgt Ion:130 Resp: 12484

Ion Ratio Lower Upper

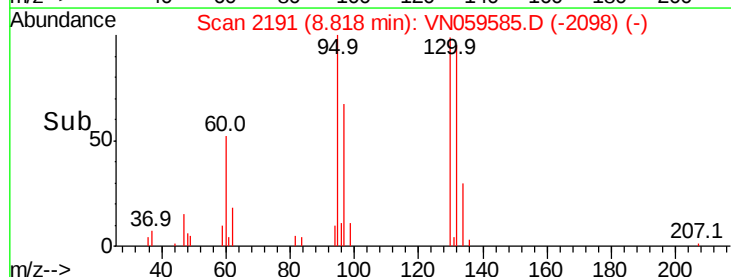
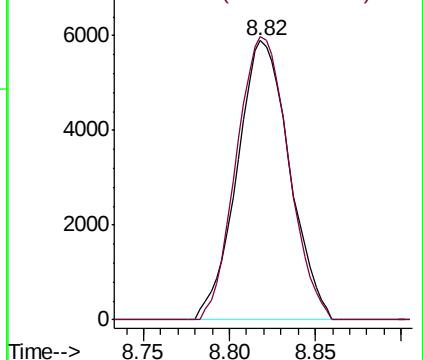
130 100

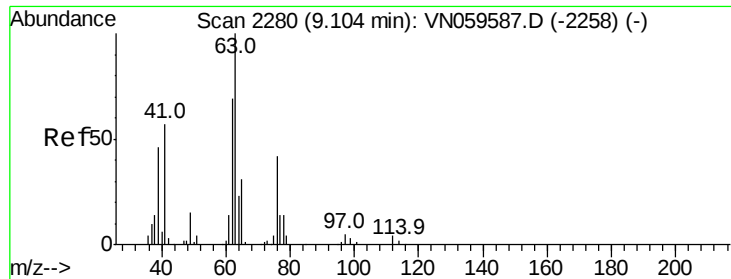
95 101.4 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

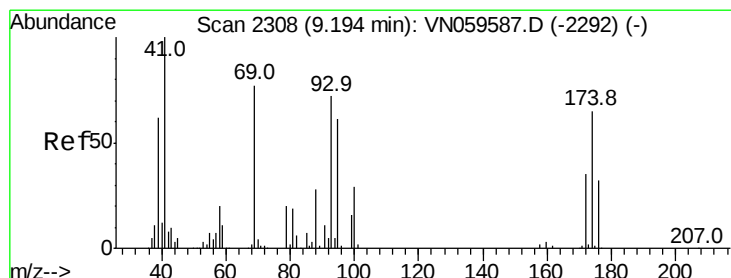
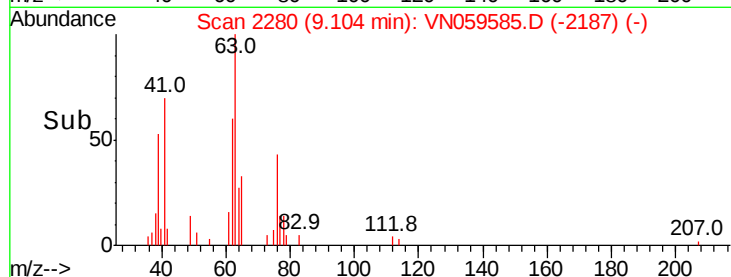
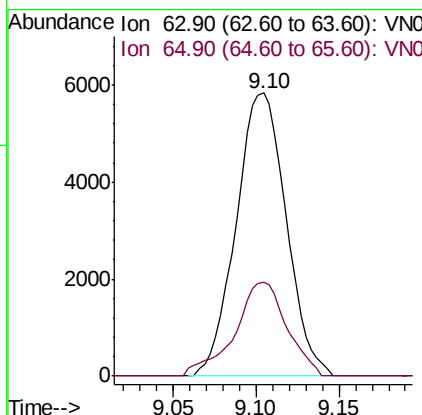
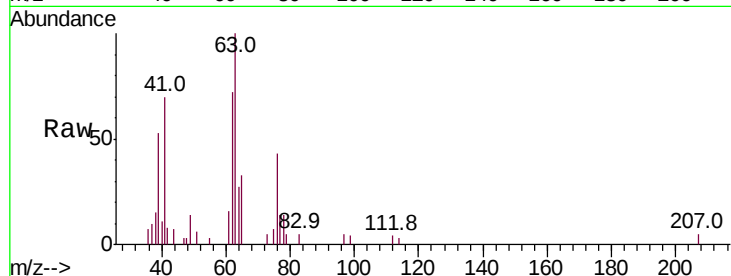




#45
 1,2-Dichloropropane
 Concen: 3.723 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

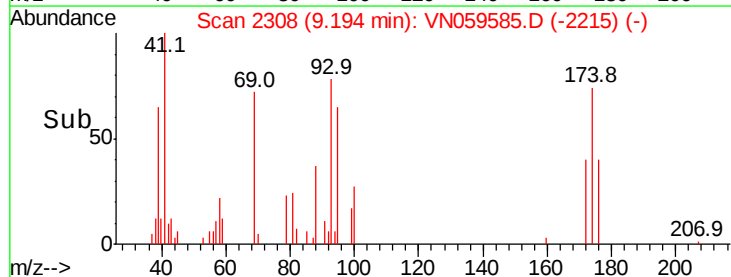
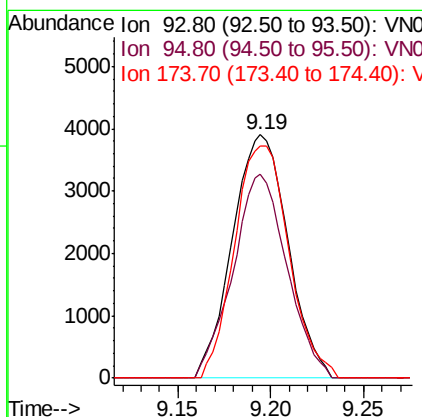
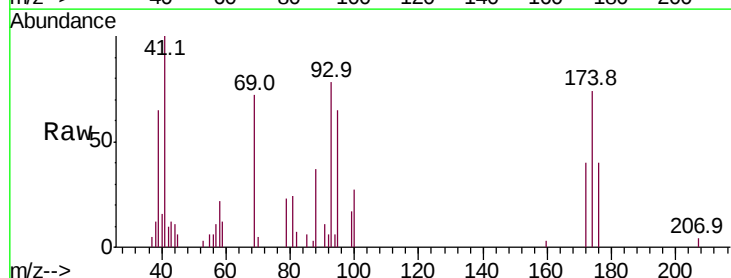
Instrument :
 MSVOA_N
 ClientSampleId :

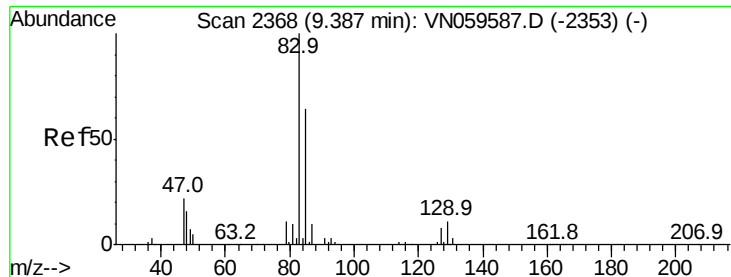
Tot Ion: 63 Resp: 12244
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.9 37.3



#46
 Dibromomethane
 Concen: 3.724 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion: 93 Resp: 8115
 Ion Ratio Lower Upper
 93 100
 95 81.2 67.0 100.6
 174 93.7 73.4 110.2





#47

Bromodichloromethane

Concen: 3.727 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampled :

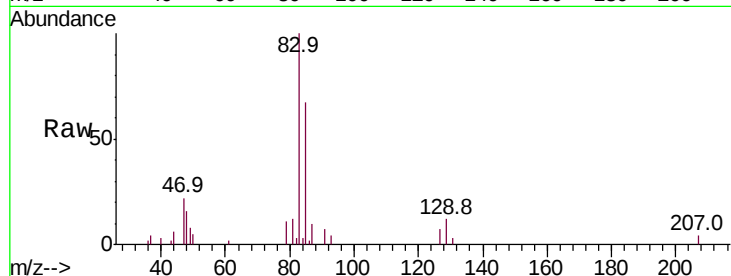
Tot Ion: 83 Resp: 16110

Ion Ratio Lower Upper

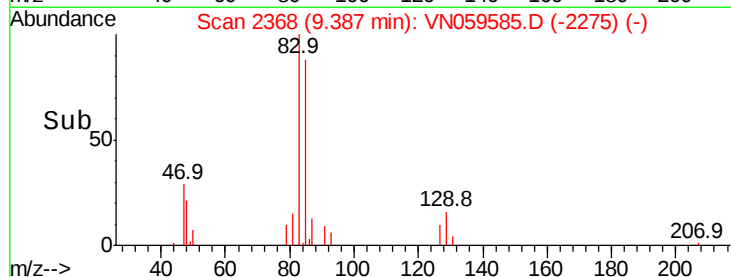
83 100

85 66.7 51.1 76.7

127 7.4 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059585.D (-2275) (-)

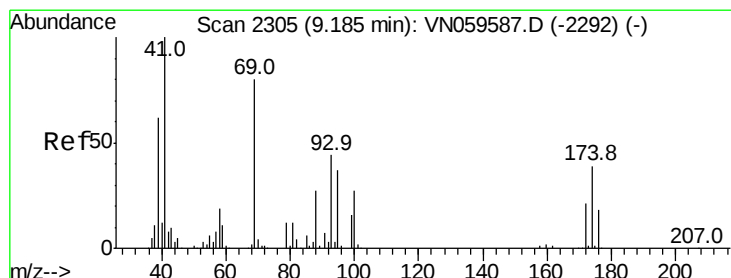


Ion 84.90 (84.60 to 85.60): VN059585.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059585.D (-2275) (-)

9.39

Time-->



#48

Methyl methacrylate

Concen: 3.473 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

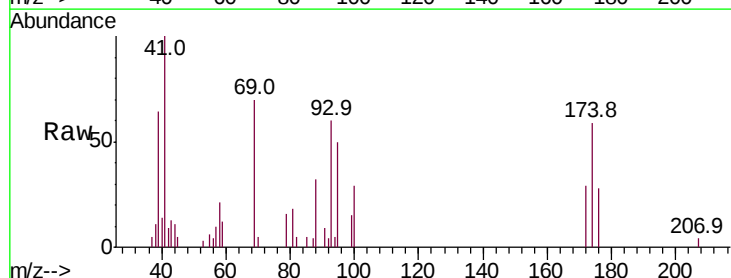
Tgt Ion: 41 Resp: 11462

Ion Ratio Lower Upper

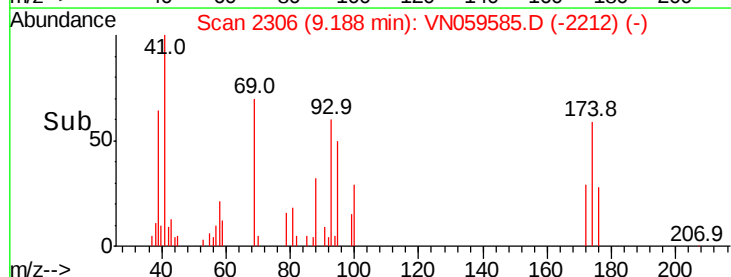
41 100

69 76.6 64.4 96.6

39 66.6 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN059585.D (-2212) (-)

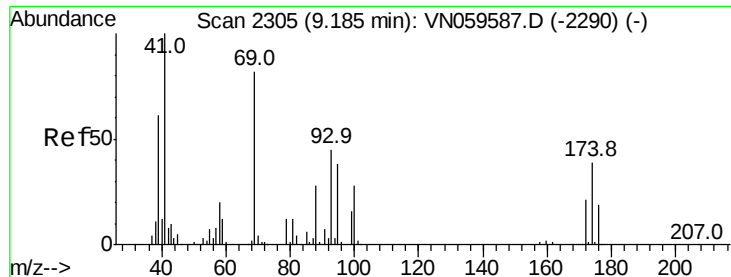


Ion 69.00 (68.70 to 69.70): VN059585.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059585.D (-2212) (-)

9.19

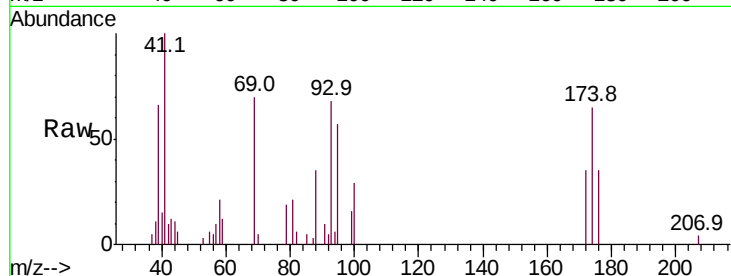
Time-->



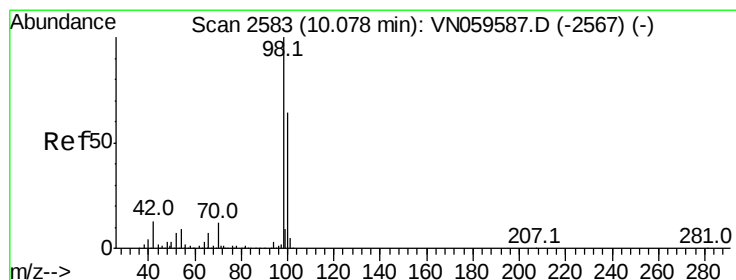
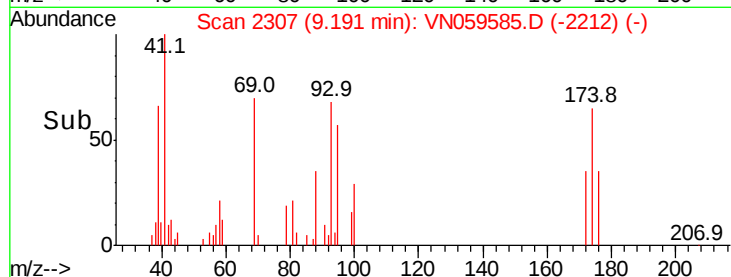
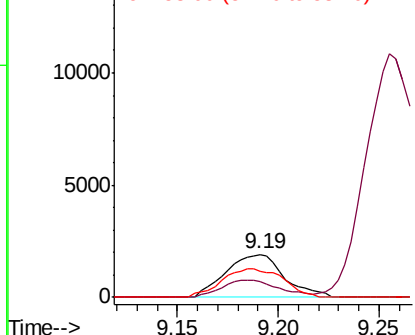
#49
1,4-Dioxane
Concen: 86.982 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 3840
Ion Ratio Lower Upper
88 100
43 39.8 29.7 44.5
58 70.8 56.6 85.0

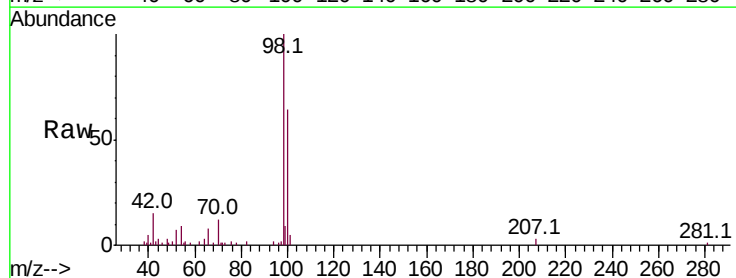


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

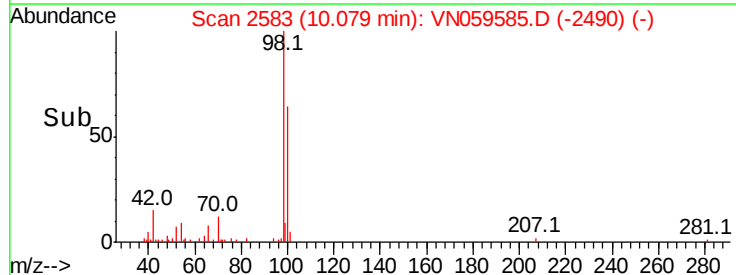
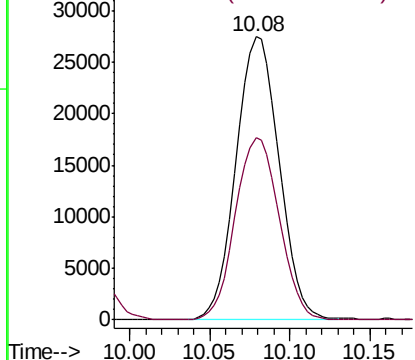


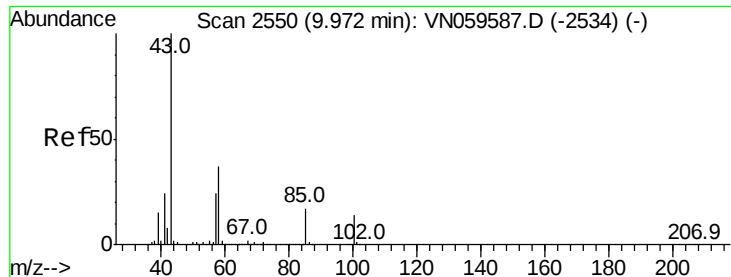
#50
Toluene-d8
Concen: 4.857 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion: 98 Resp: 50502
Ion Ratio Lower Upper
98 100
100 65.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

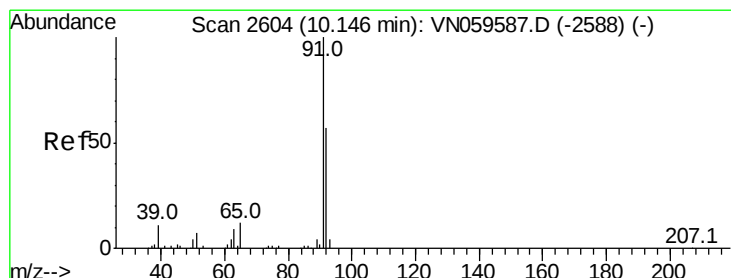
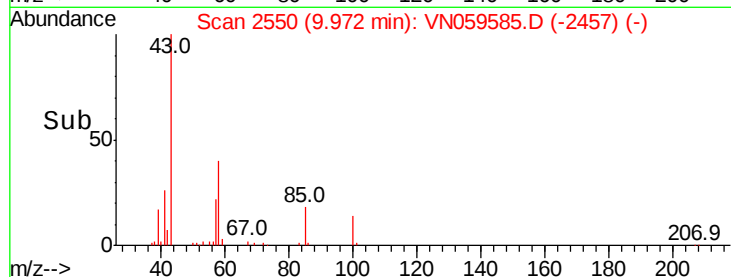
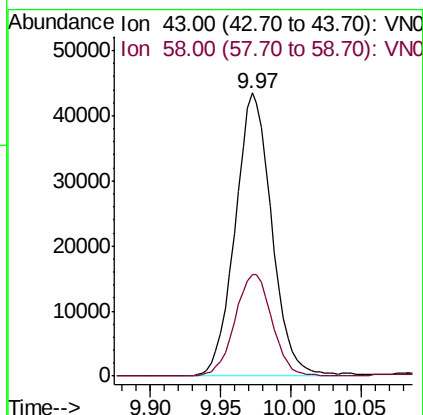
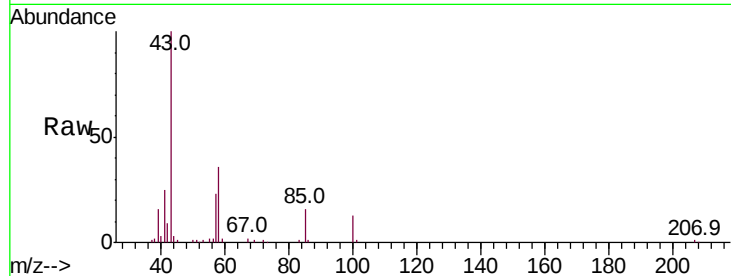




#51
 4-Methyl-2-Pentanone
 Concen: 18.072 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

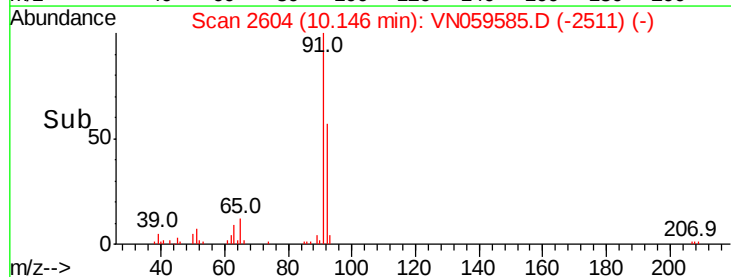
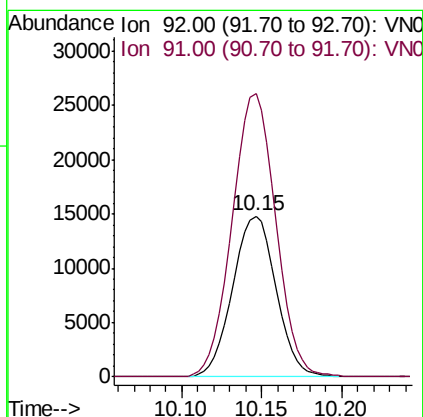
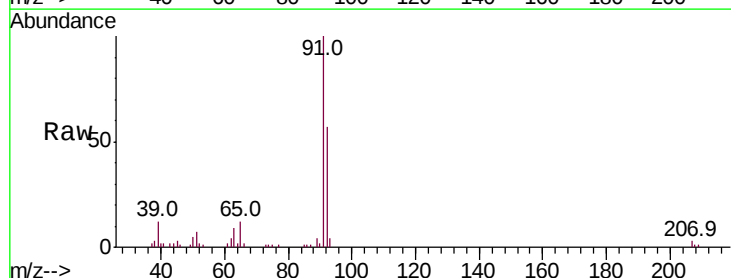
Instrument :
 MSVOA_N
 ClientSampleId :

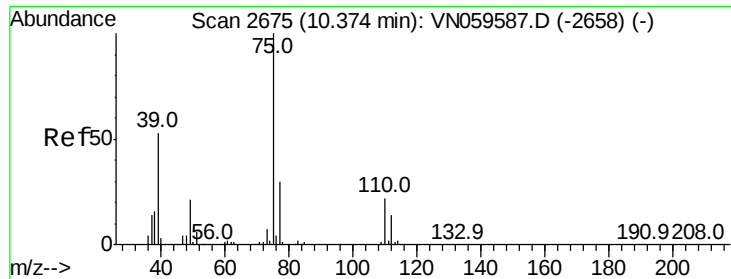
Tot Ion: 43 Resp: 78993
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.8 44.8



#52
 Toluene
 Concen: 3.704 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion: 92 Resp: 27453
 Ion Ratio Lower Upper
 92 100
 91 176.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 3.562 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

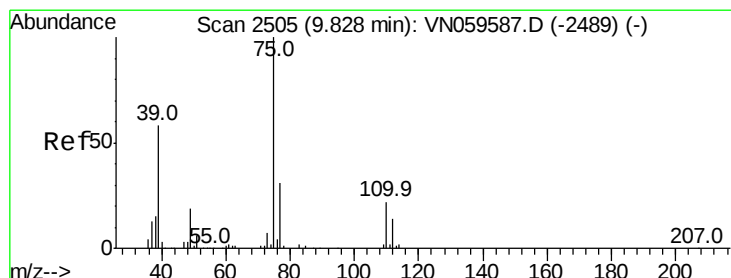
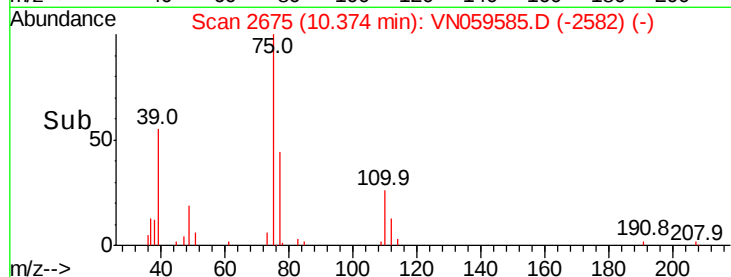
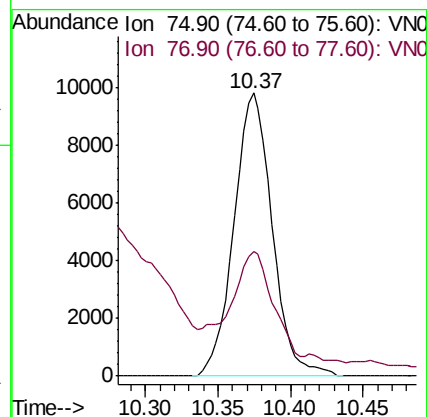
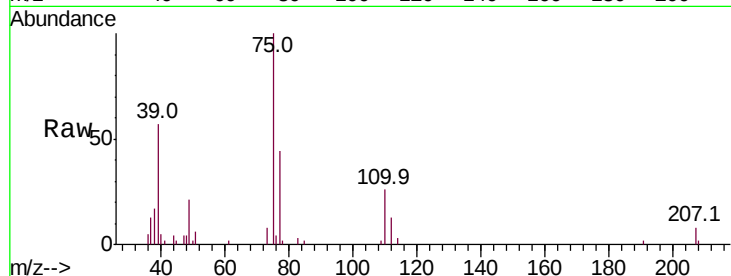
ClientSampleId :

Tot Ion: 75 Resp: 17966

Ion Ratio Lower Upper

75 100

77 39.1 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 3.751 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

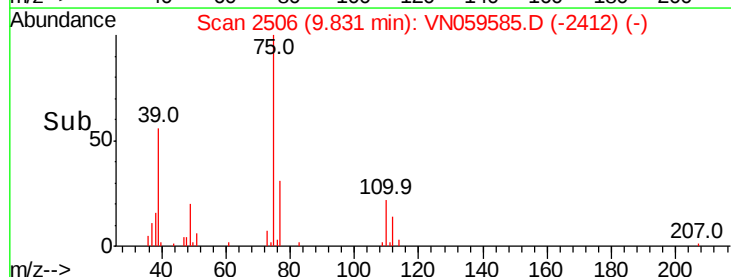
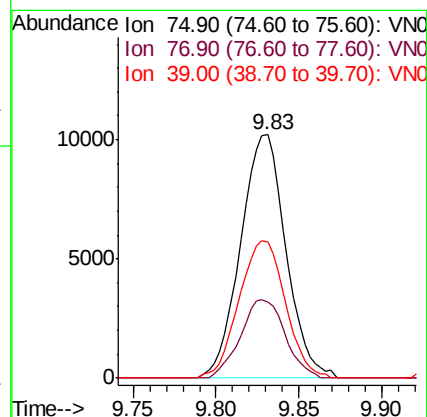
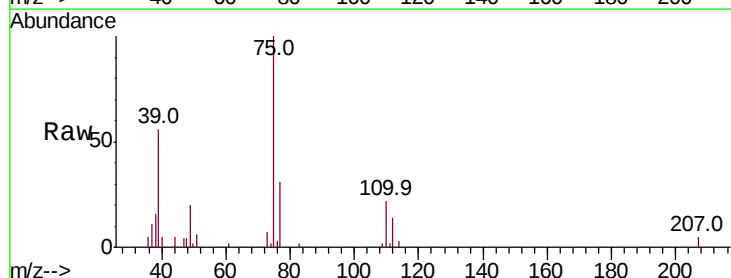
Tgt Ion: 75 Resp: 19389

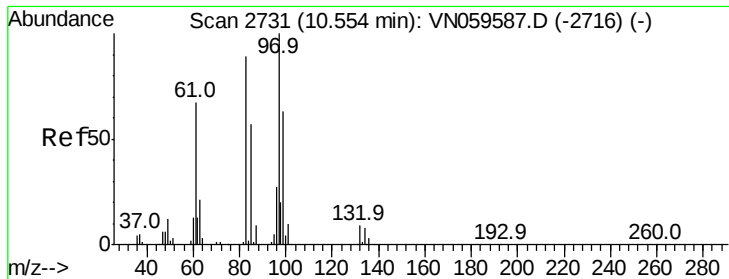
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 55.6 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 3.823 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 11462

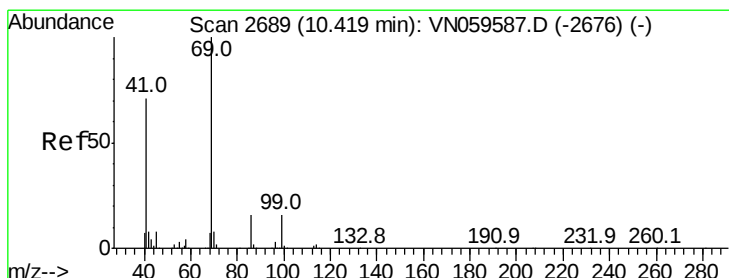
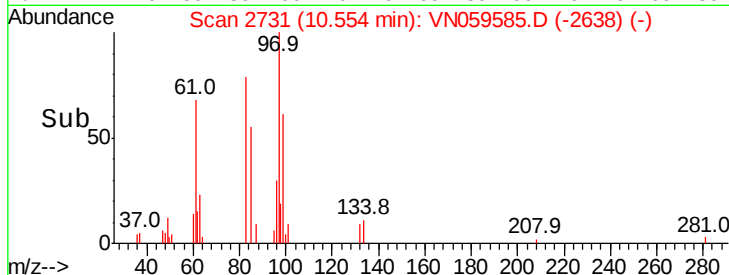
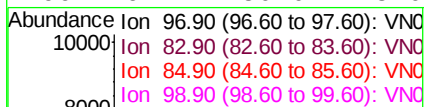
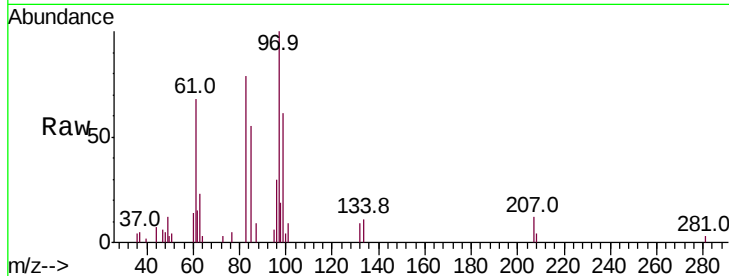
Ion Ratio Lower Upper

97 100

83 78.6 71.3 106.9

85 55.4 45.8 68.8

99 61.4 50.0 75.0



#56

Ethyl methacrylate

Concen: 3.134 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

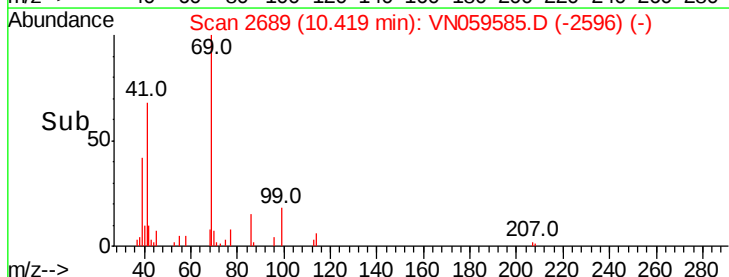
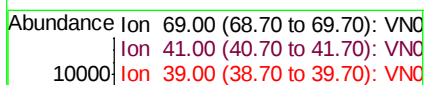
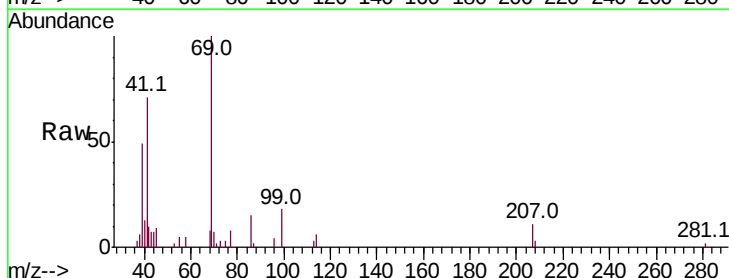
Tgt Ion: 69 Resp: 13887

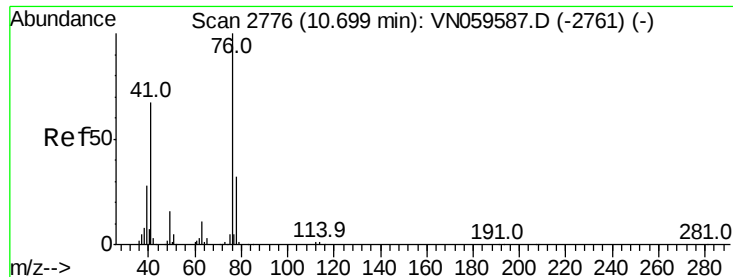
Ion Ratio Lower Upper

69 100

41 79.4 57.1 85.7

39 47.8 34.7 52.1





#57

1,3-Dichloropropane

Concen: 3.854 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

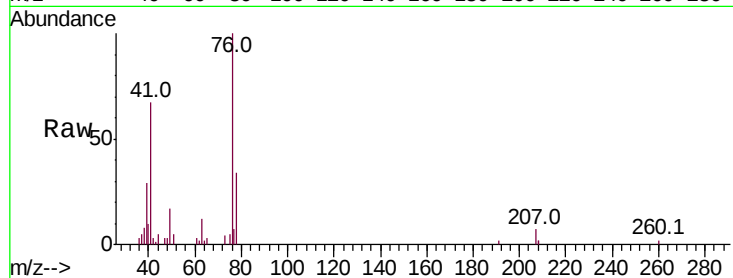
ClientSampleId :

Tot Ion: 76 Resp: 19746

Ion Ratio Lower Upper

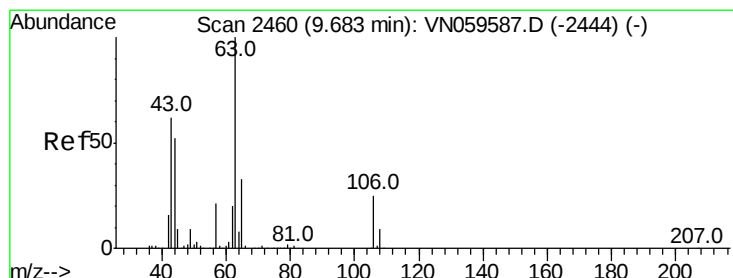
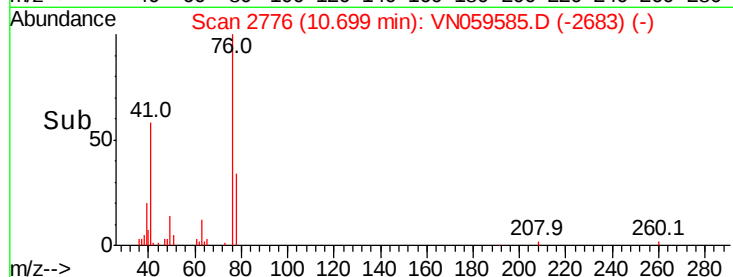
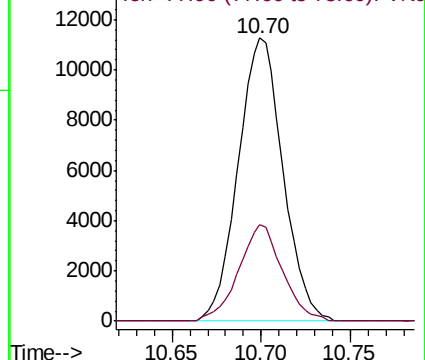
76 100

78 33.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 11.123 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059585.D

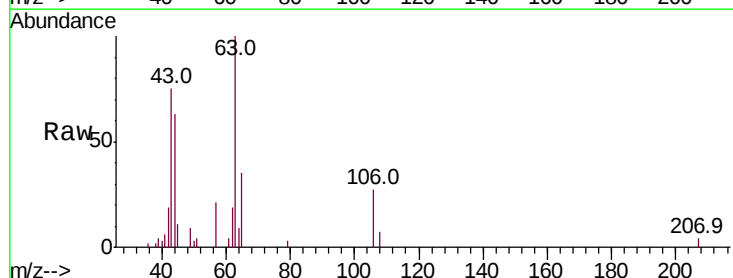
Acq: 13 Dec 2019 16:00

Tgt Ion: 63 Resp: 15609

Ion Ratio Lower Upper

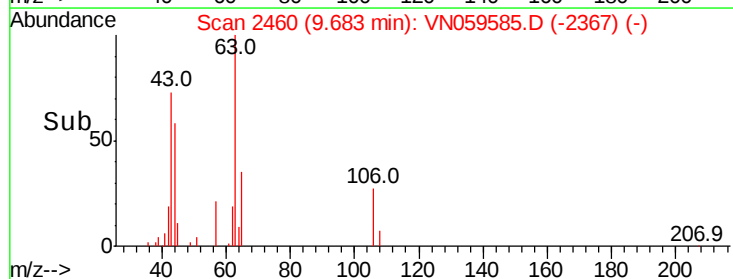
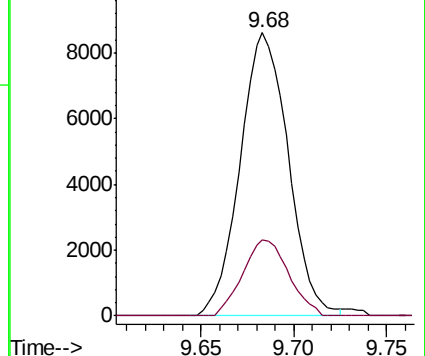
63 100

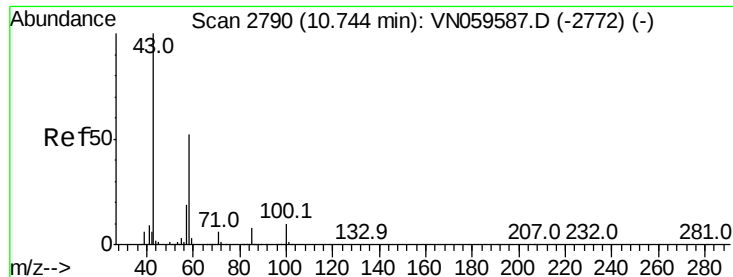
106 25.6 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

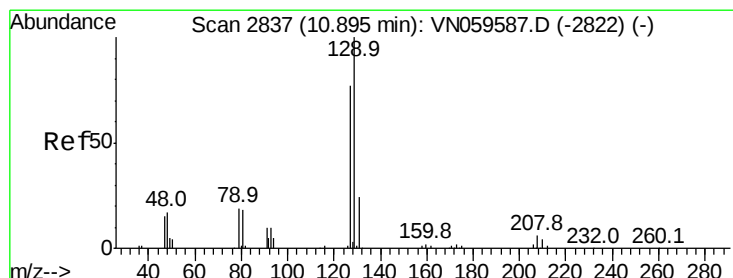
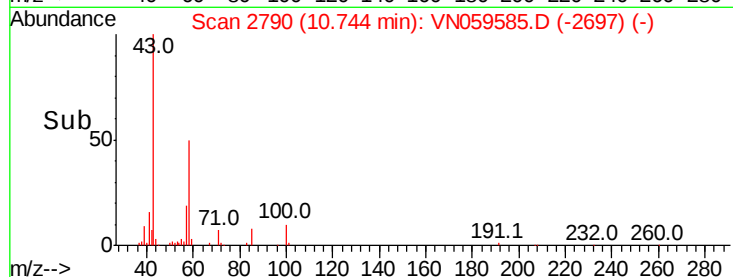
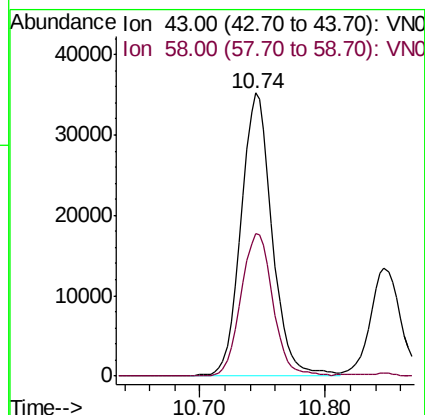
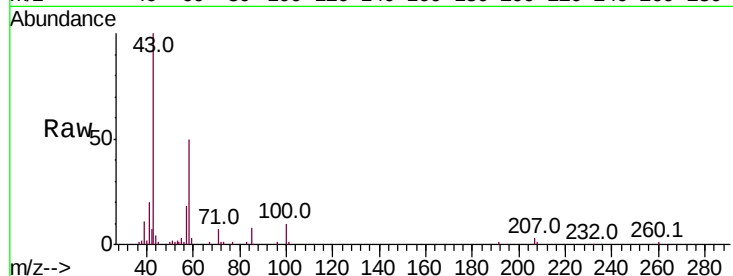




#59
2-Hexanone
Concen: 18.373 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

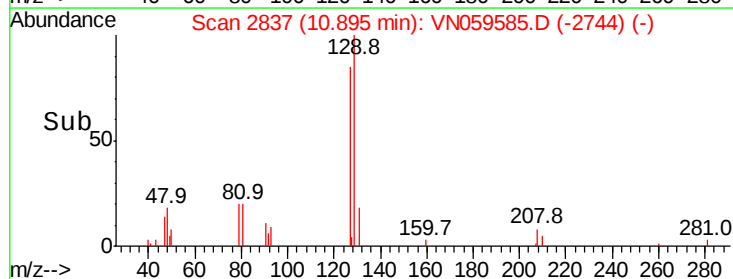
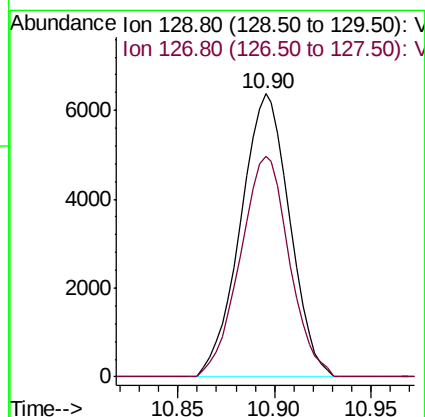
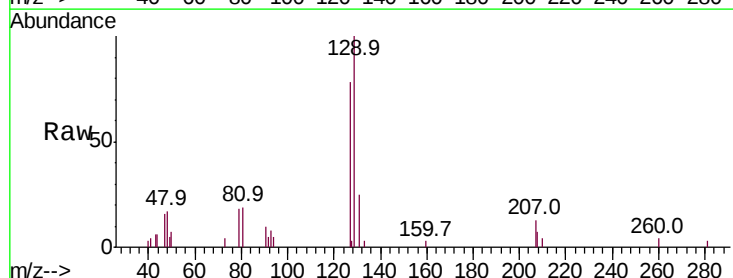
Instrument :
MSVOA_N
ClientSampled :

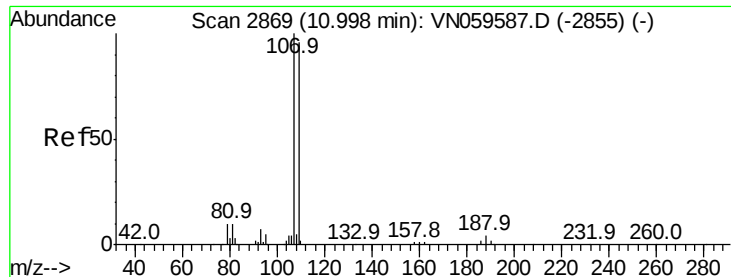
Tot Ion: 43 Resp: 60861
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3



#60
Dibromochloromethane
Concen: 3.463 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion: 129 Resp: 11256
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5

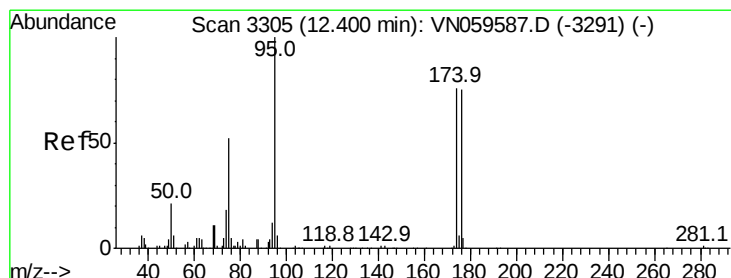
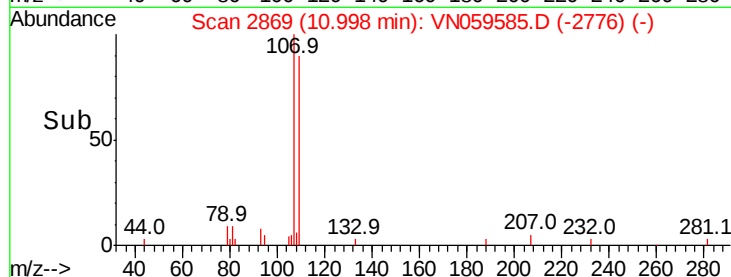
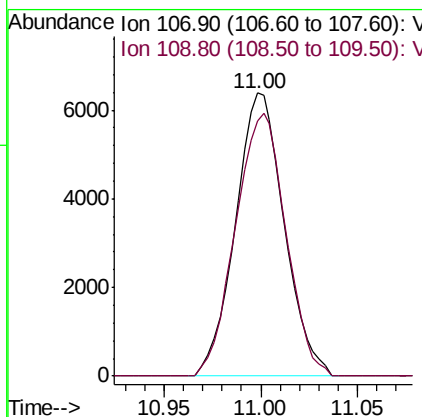
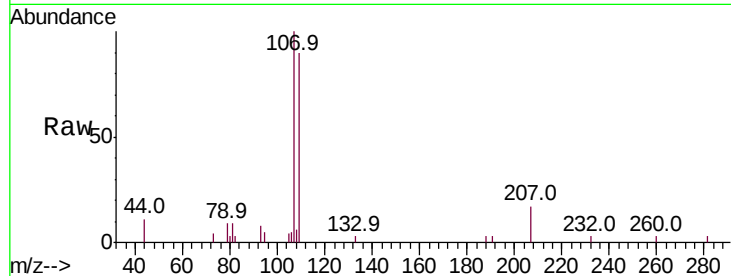




#61
 1,2-Dibromoethane
 Concen: 3.591 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

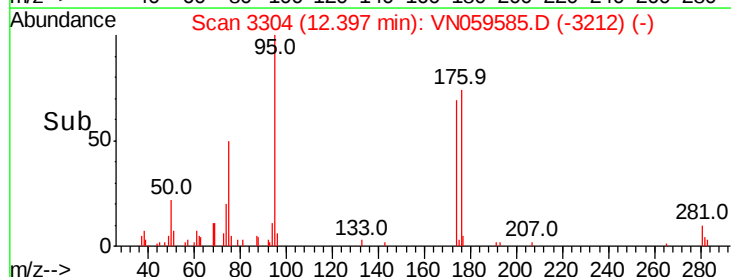
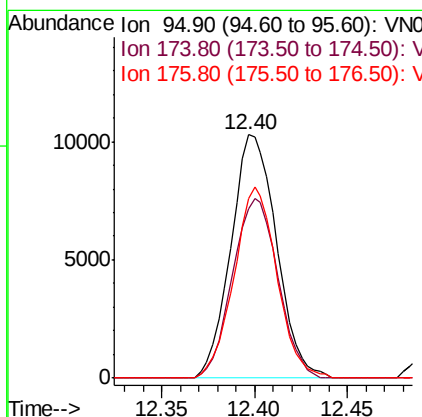
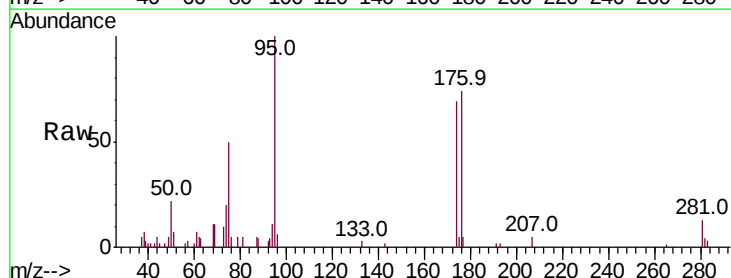
Instrument :
 MSVOA_N
 ClientSampleId :

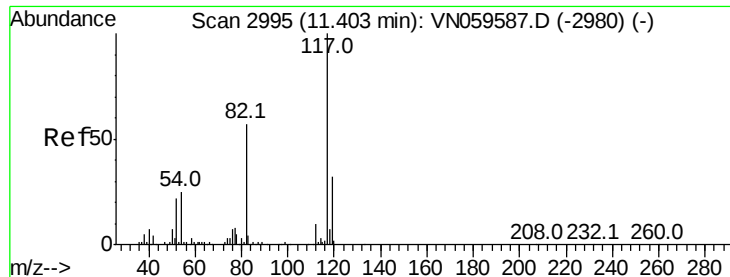
Tot Ion:107 Resp: 11194
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 4.682 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion: 95 Resp: 17596
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 151.4
 176 73.9 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampled :

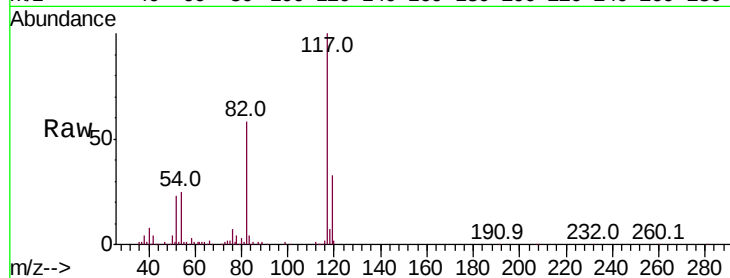
Tot Ion:117 Resp: 373344

Ion Ratio Lower Upper

117 100

82 57.6 45.9 68.9

119 33.0 25.5 38.3

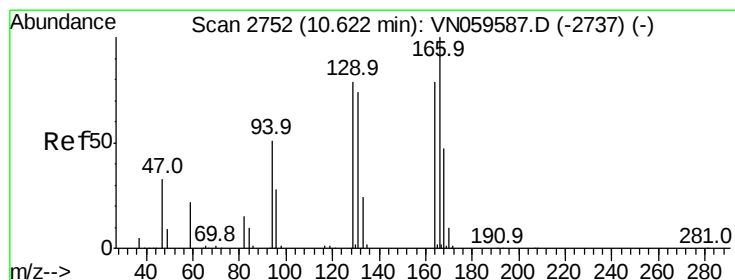
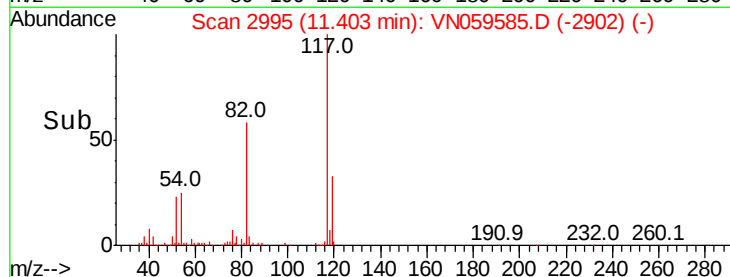
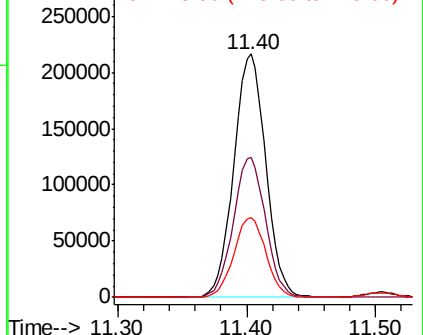


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 4.204 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Tgt Ion:164 Resp: 12180

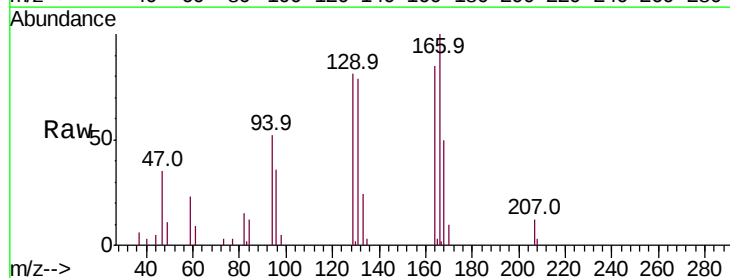
Ion Ratio Lower Upper

164 100

166 117.5 101.4 152.0

129 94.7 80.2 120.4

131 92.3 75.0 112.4



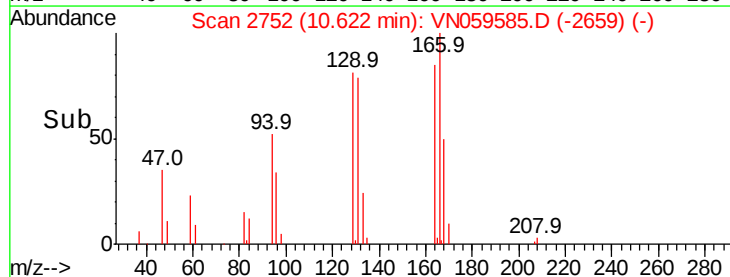
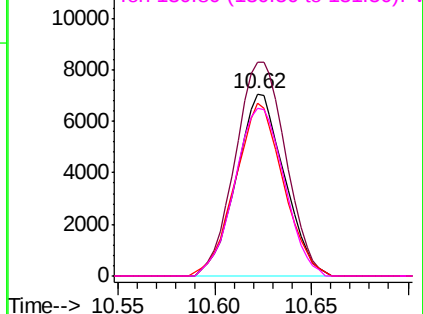
Abundance

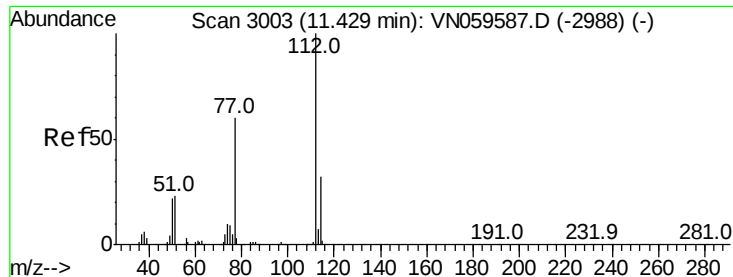
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

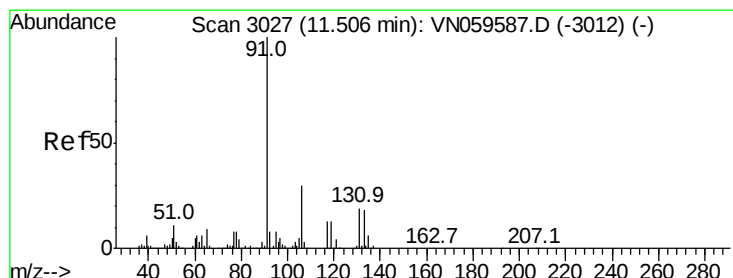
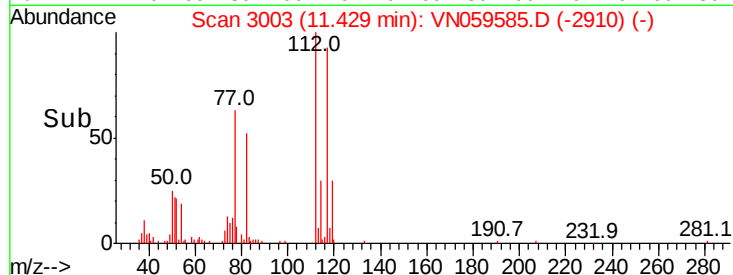
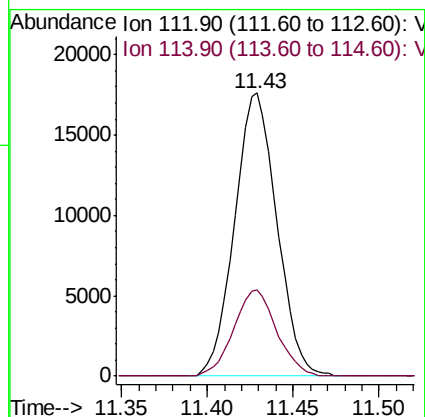
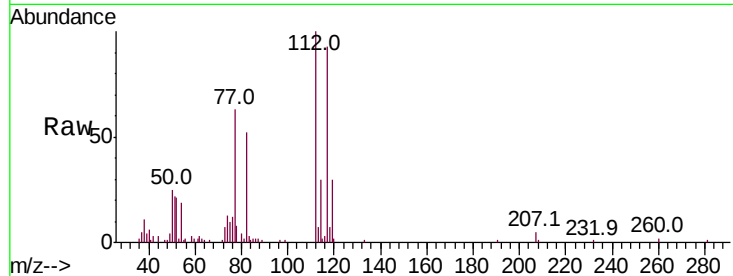




#65
Chlorobenzene
Concen: 3.785 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

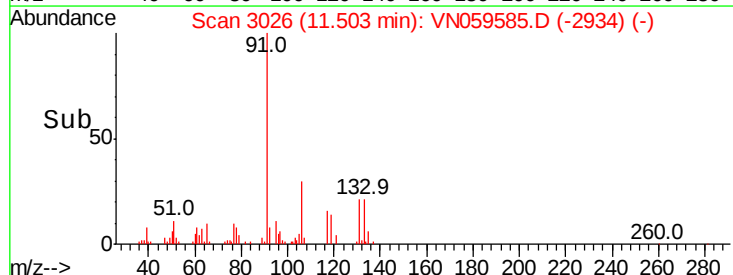
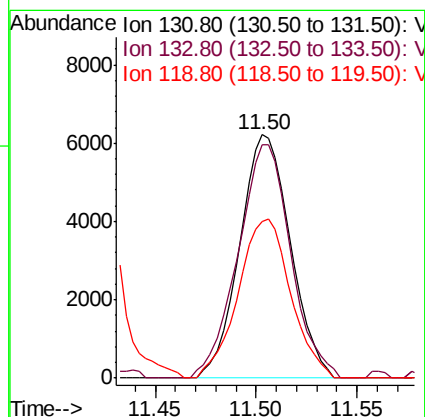
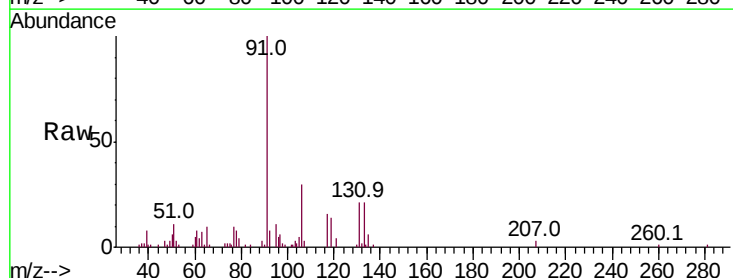
Instrument :
MSVOA_N
ClientSampleId :

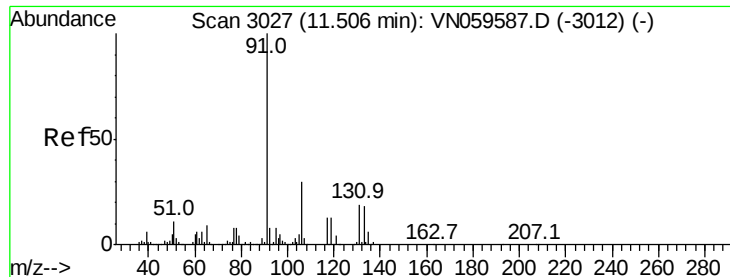
Tot Ion:112 Resp: 30177
Ion Ratio Lower Upper
112 100
114 30.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 3.664 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion:131 Resp: 10913
Ion Ratio Lower Upper
131 100
133 99.8 47.4 142.2
119 67.6 33.1 99.3





#67

Ethyl Benzene

Concen: 3.665 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

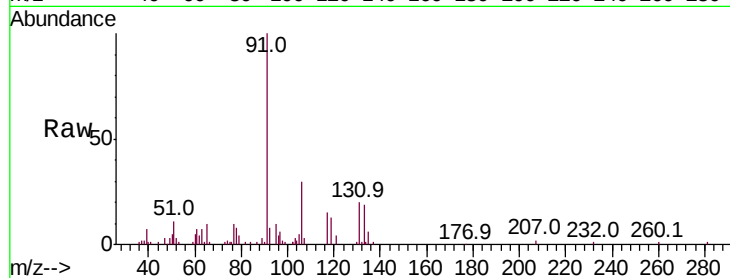
ClientSampled :

Tot Ion: 91 Resp: 52502

Ion Ratio Lower Upper

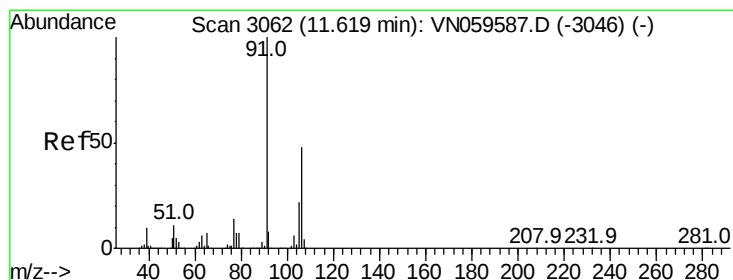
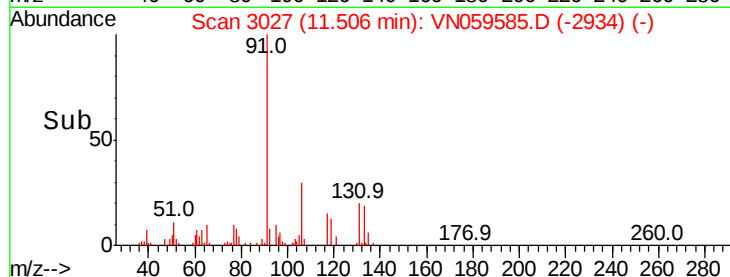
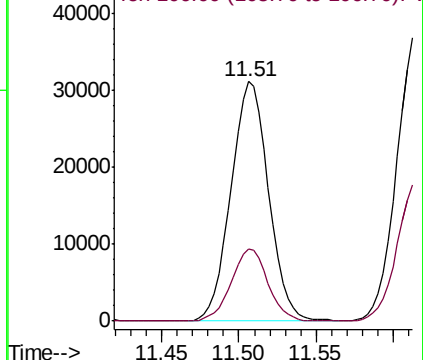
91 100

106 30.2 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 6.962 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059585.D

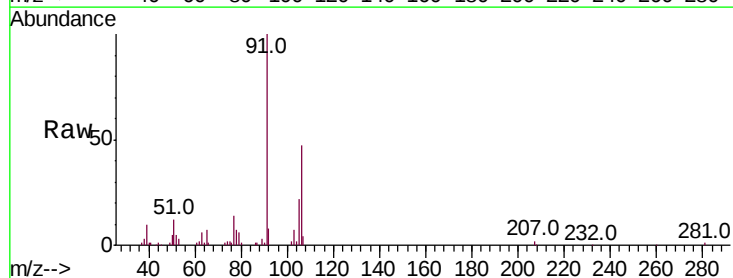
Acq: 13 Dec 2019 16:00

Tgt Ion: 106 Resp: 36942

Ion Ratio Lower Upper

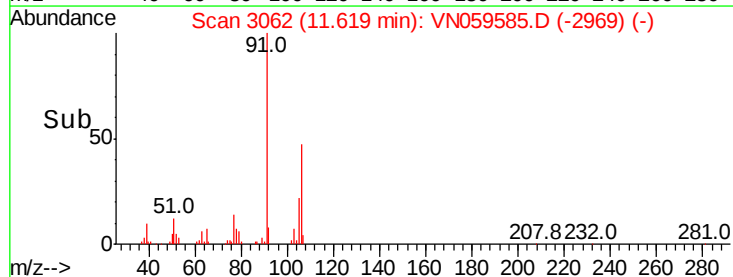
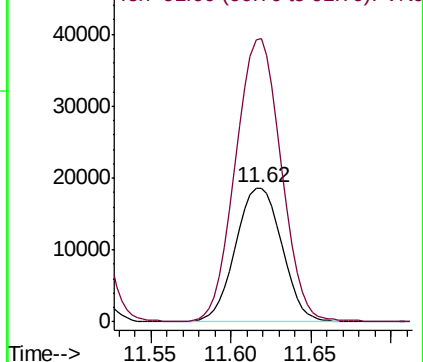
106 100

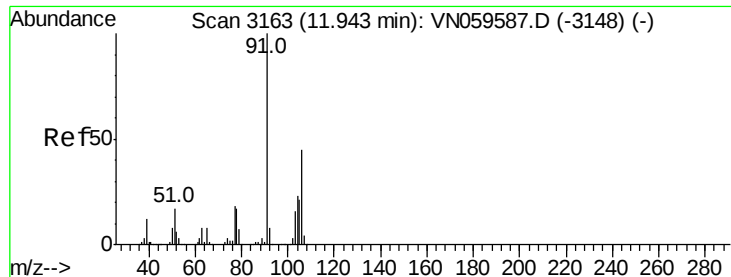
91 208.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

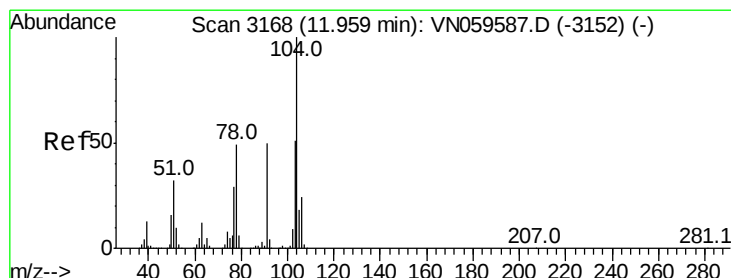
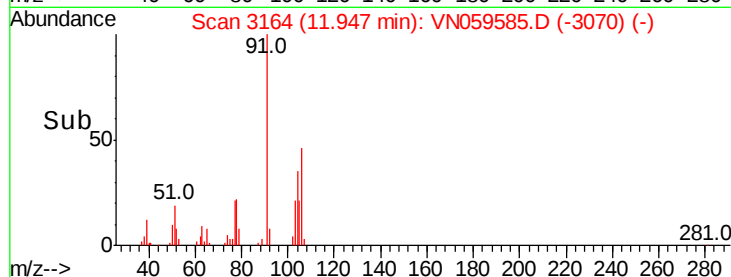
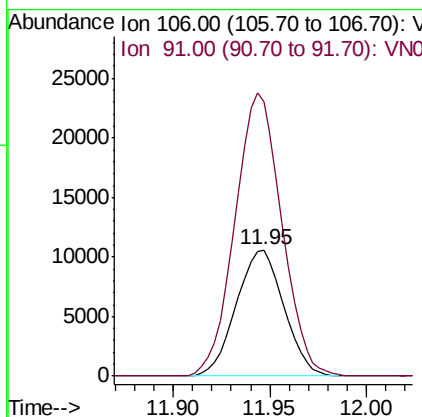
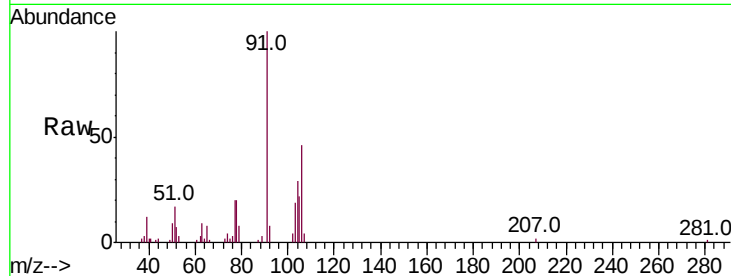




#69
o-Xylene
Concen: 3.656 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

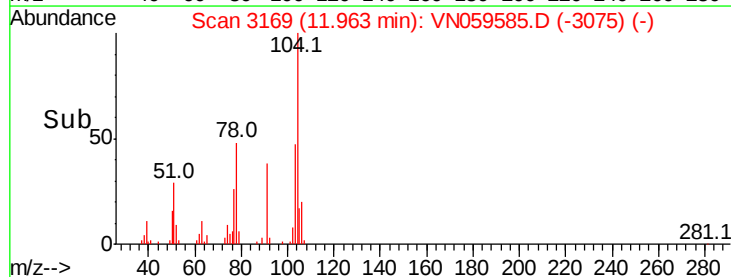
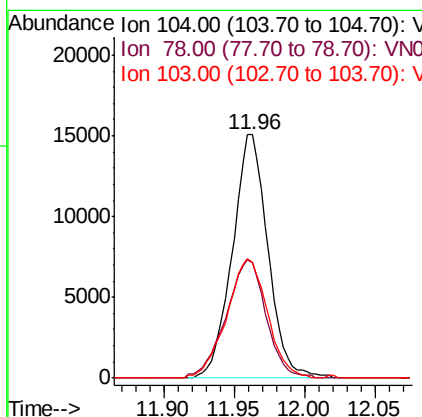
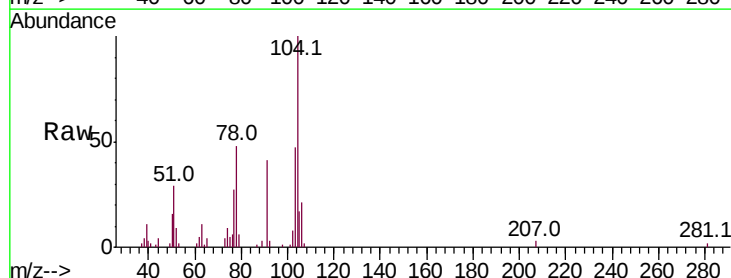
Instrument :
MSVOA_N
ClientSampled :

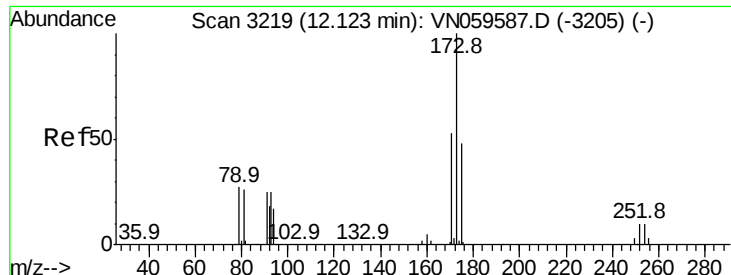
Tot Ion:106 Resp: 18111
Ion Ratio Lower Upper
106 100
91 220.7 110.3 330.9



#70
Styrene
Concen: 3.250 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion:104 Resp: 26662
Ion Ratio Lower Upper
104 100
78 54.6 42.4 63.6
103 55.8 43.9 65.9

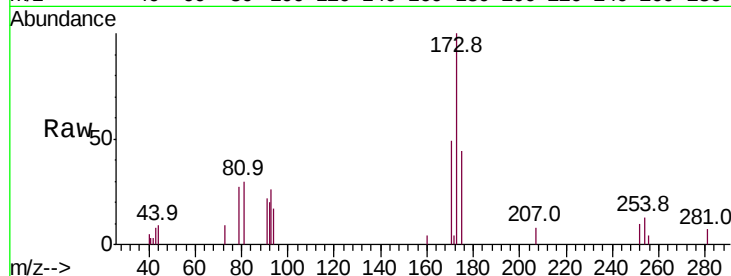




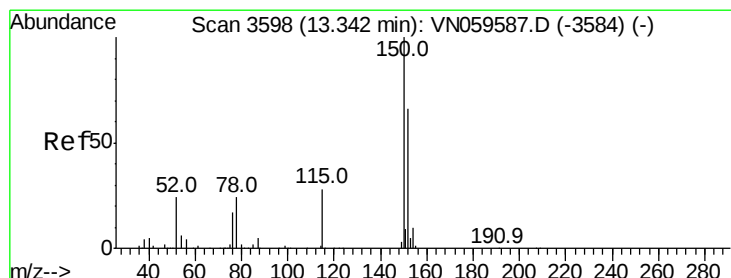
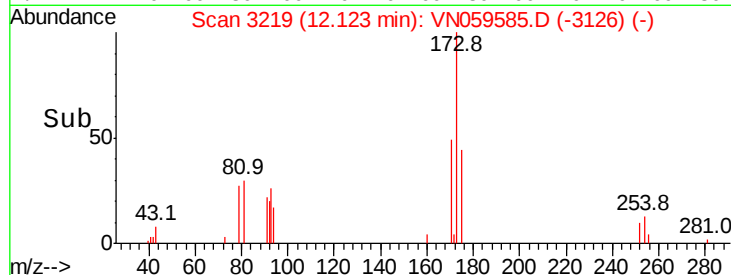
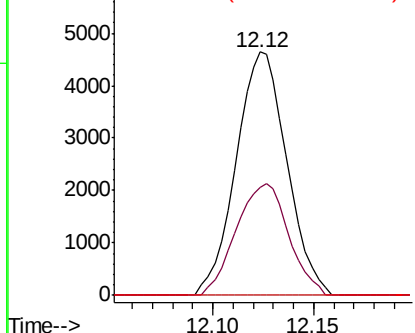
#71
Bromoform
Concen: 3.531 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 8152
Ion Ratio Lower Upper
173 100
175 47.4 23.8 71.4
254 0.0 0.0 0.0

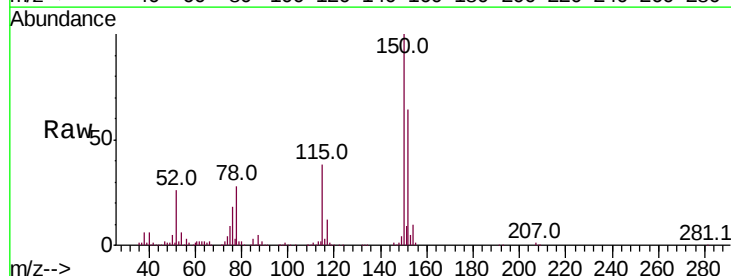


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

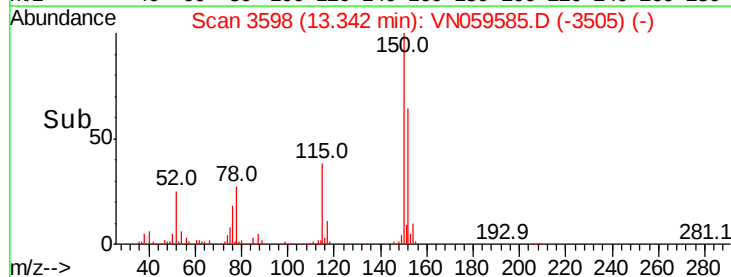
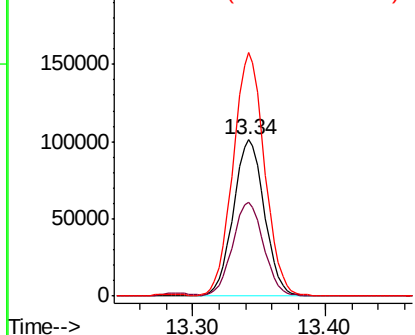


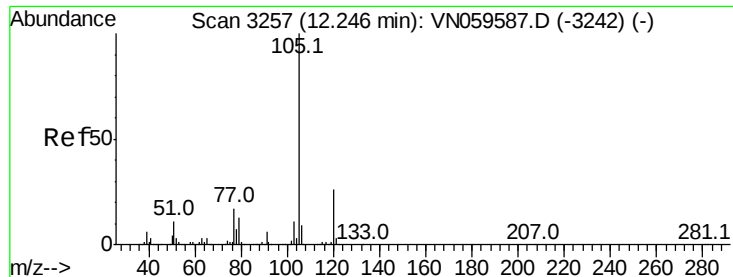
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion:152 Resp: 165169
Ion Ratio Lower Upper
152 100
115 59.2 30.3 90.9
150 156.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.600 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

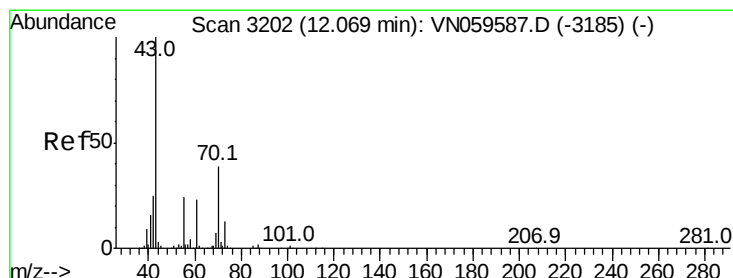
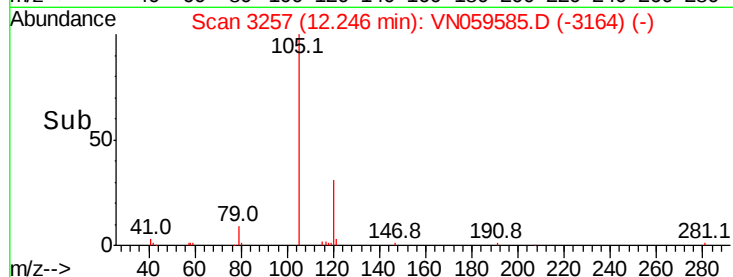
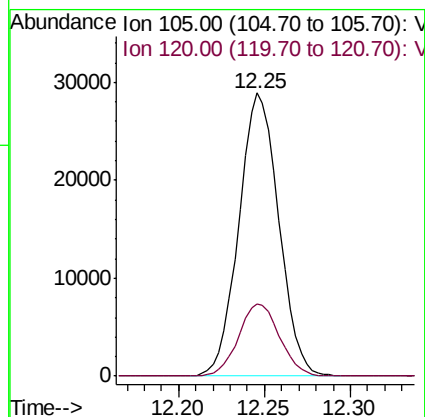
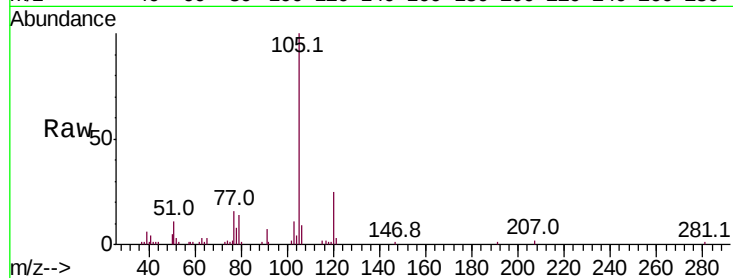
ClientSampleId :

Tot Ion:105 Resp: 46483

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



#74

N-ethyl acetate

Concen: 3.524 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Tgt Ion: 43 Resp: 19937

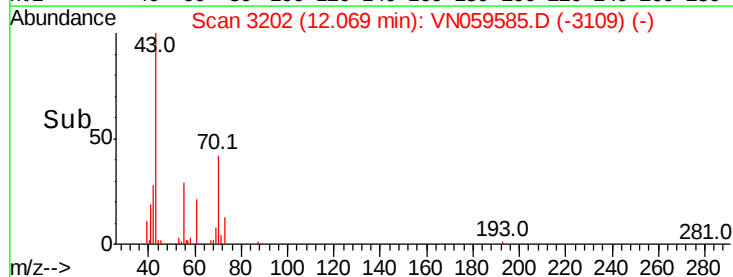
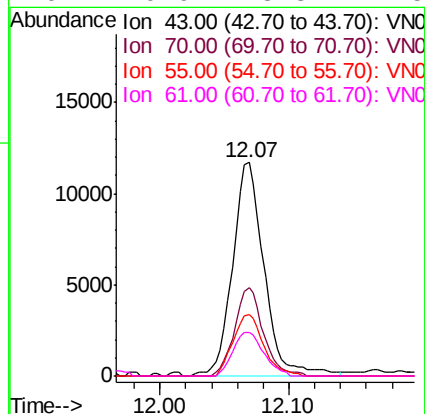
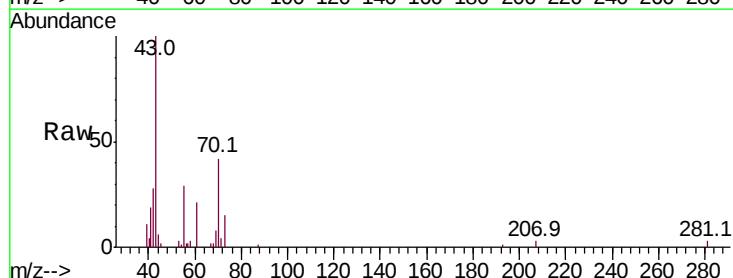
Ion Ratio Lower Upper

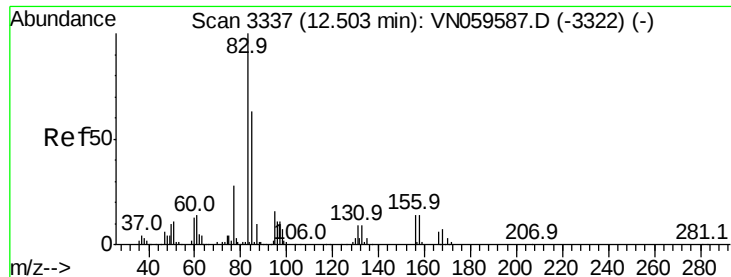
43 100

70 37.5 31.3 46.9

55 27.7 19.8 29.6

61 19.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 3.499 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampled :

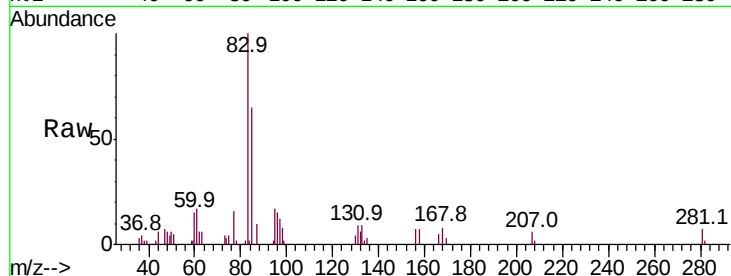
Tot Ion: 83 Resp: 15077

Ion Ratio Lower Upper

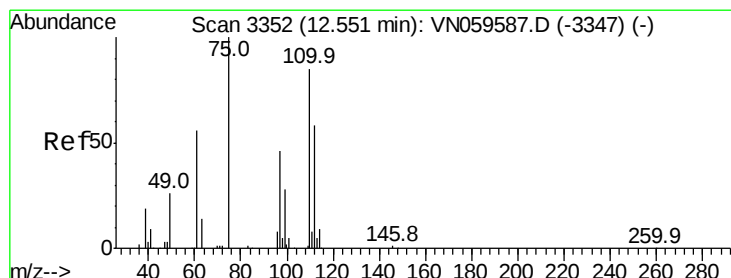
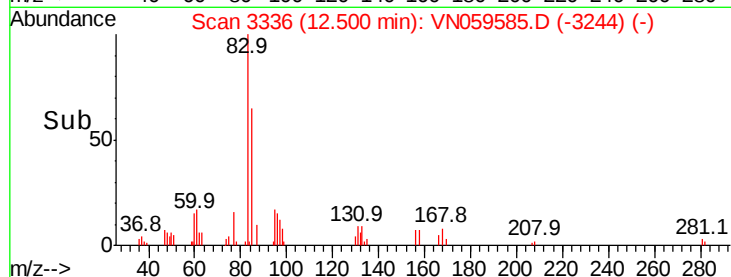
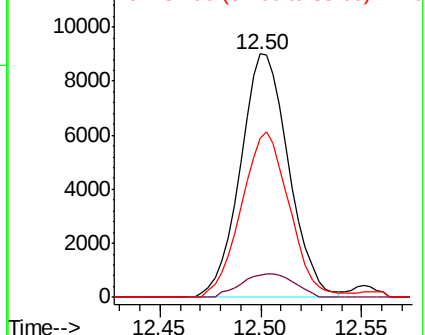
83 100

131 10.7 5.0 14.9

85 67.8 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 5.150 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059585.D

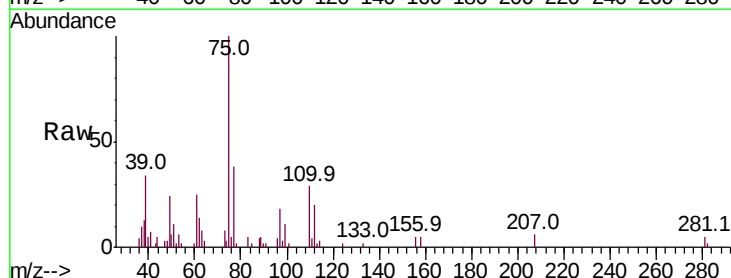
Acq: 13 Dec 2019 16:00

Tgt Ion: 75 Resp: 22381

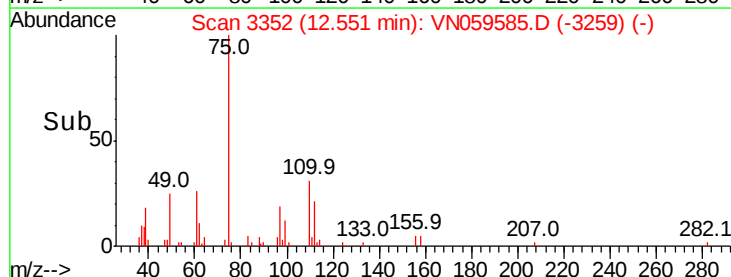
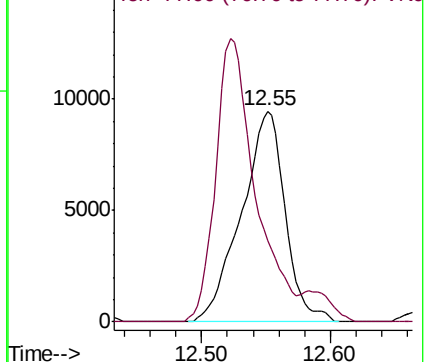
Ion Ratio Lower Upper

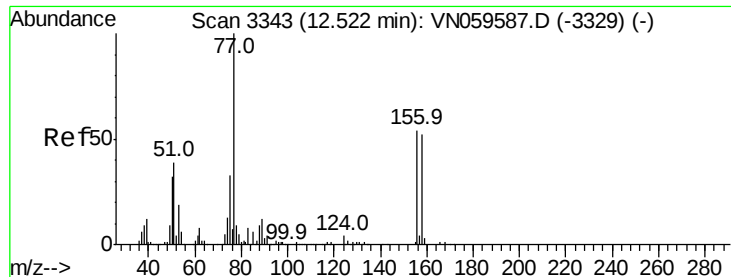
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 3.625 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

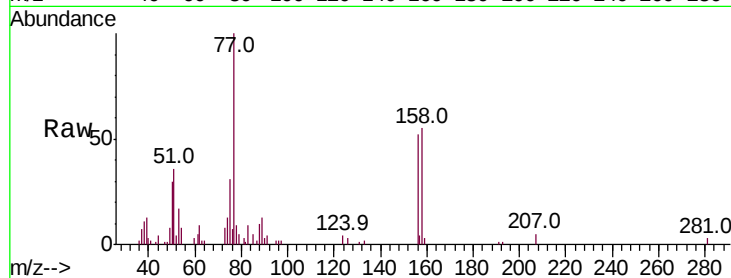
Tot Ion:156 Resp: 11480

Ion Ratio Lower Upper

156 100

77 235.8 115.8 347.4

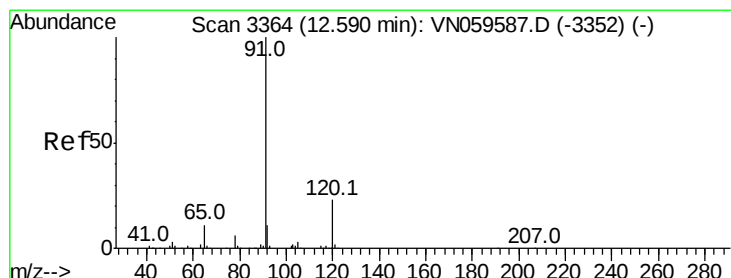
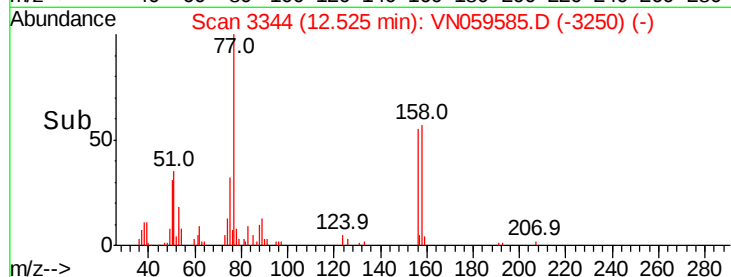
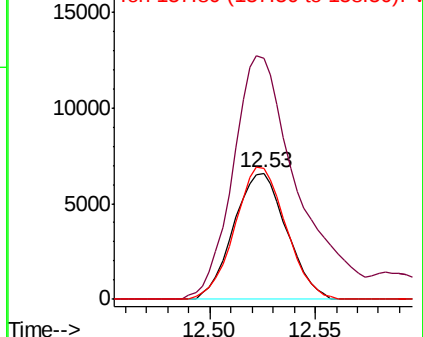
158 101.5 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.470 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059585.D

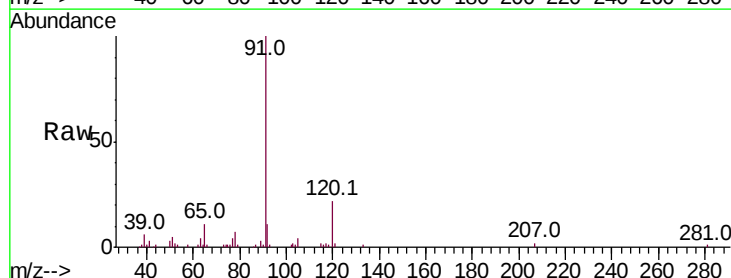
Acq: 13 Dec 2019 16:00

Tgt Ion: 91 Resp: 54465

Ion Ratio Lower Upper

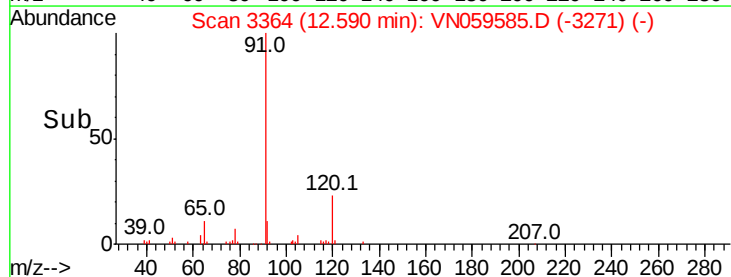
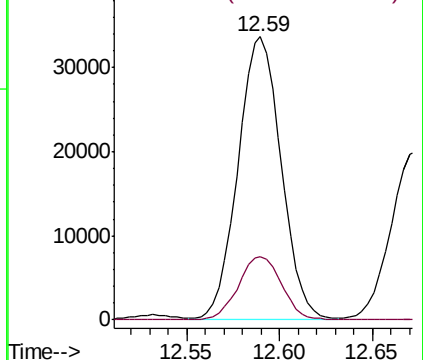
91 100

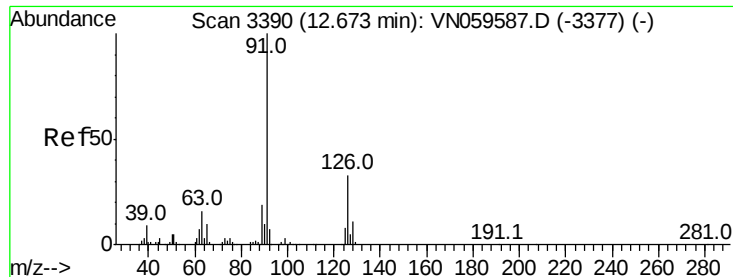
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.602 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

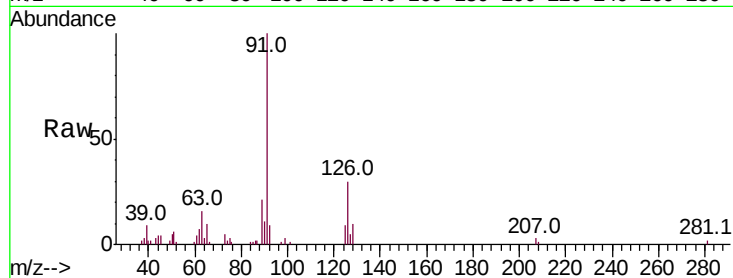
ClientSampleId :

Tot Ion: 91 Resp: 33744

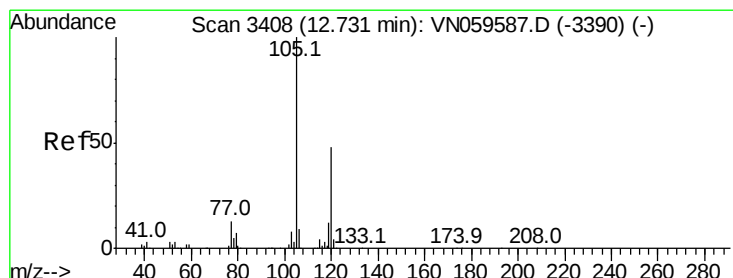
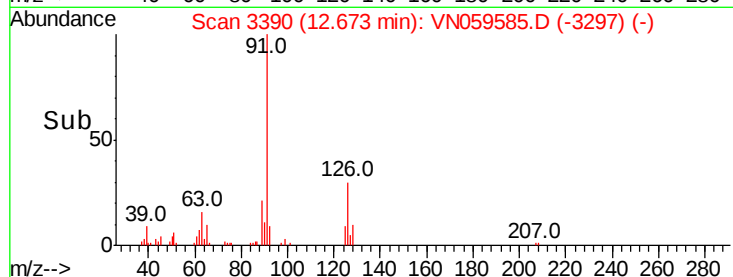
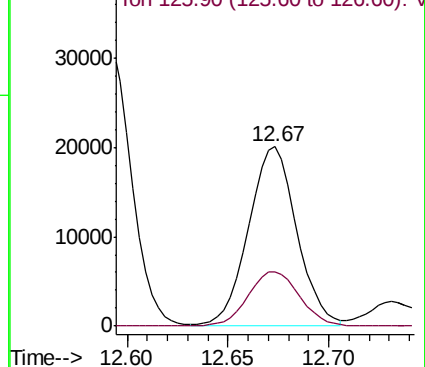
Ion Ratio Lower Upper

91 100

126 31.8 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059585.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.497 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059585.D

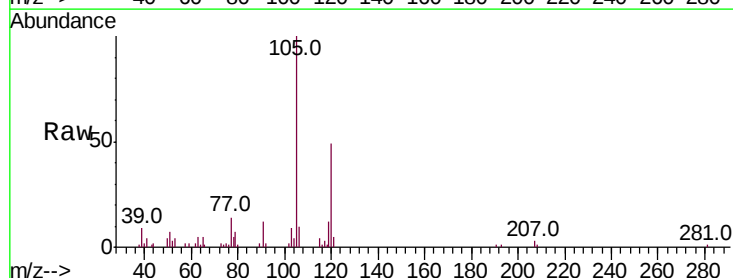
Acq: 13 Dec 2019 16:00

Tgt Ion: 105 Resp: 38209

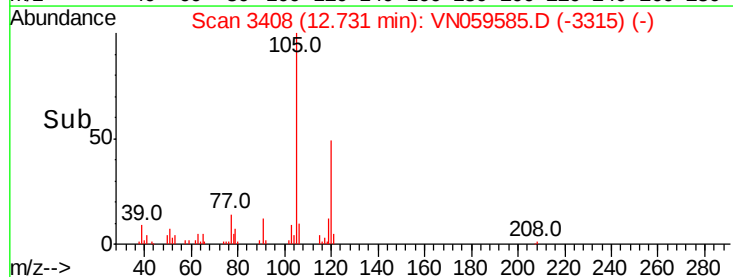
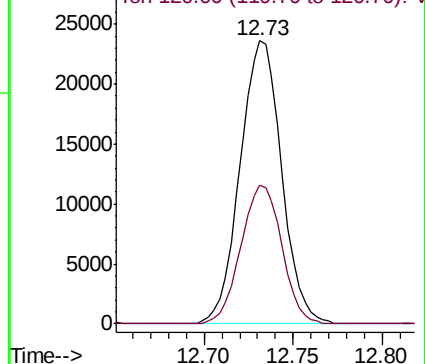
Ion Ratio Lower Upper

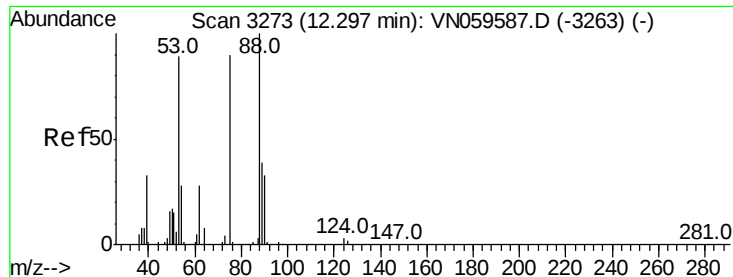
105 100

120 48.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059585.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.327 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

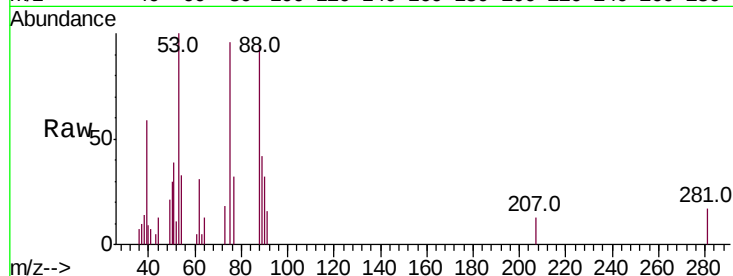
Tot Ion: 75 Resp: 5474

Ion Ratio Lower Upper

75 100

53 100.1 78.1 117.1

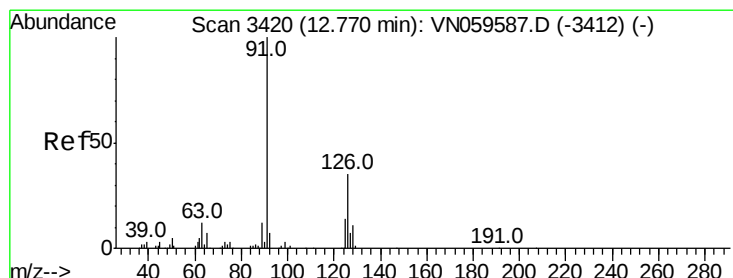
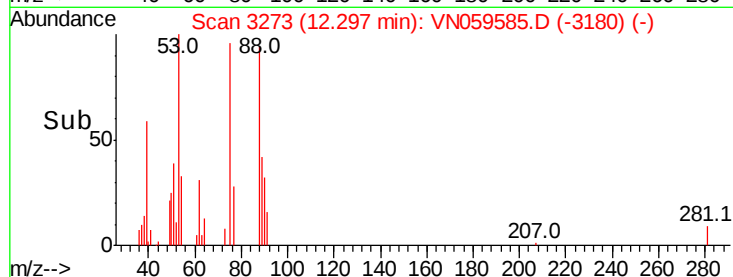
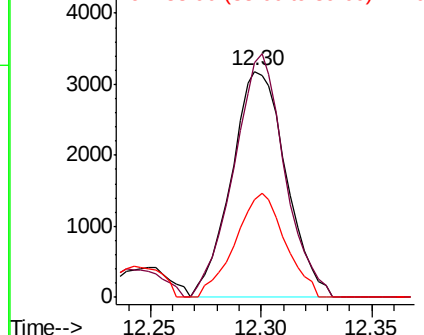
89 42.2 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 3.569 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059585.D

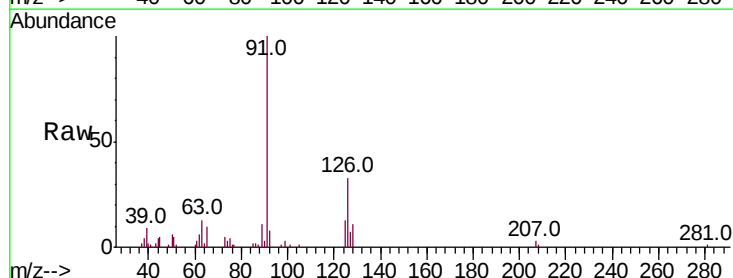
Acq: 13 Dec 2019 16:00

Tgt Ion: 91 Resp: 34059

Ion Ratio Lower Upper

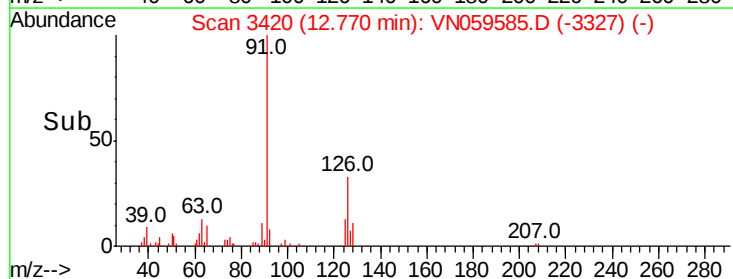
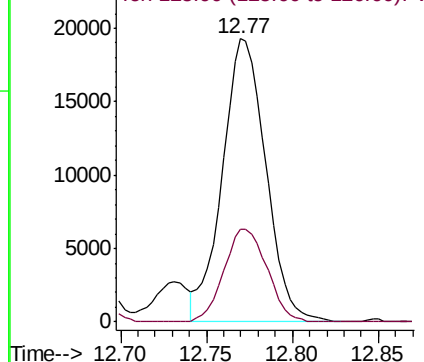
91 100

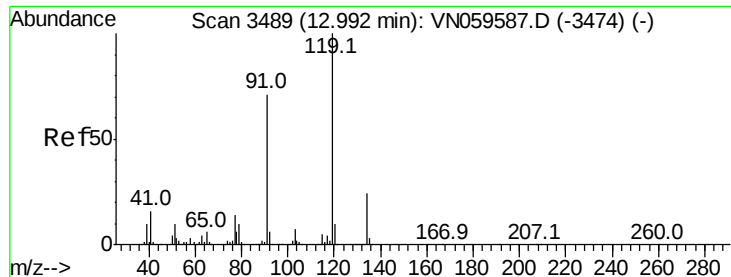
126 32.4 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO





#83

tert-Butylbenzene

Concen: 3.572 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

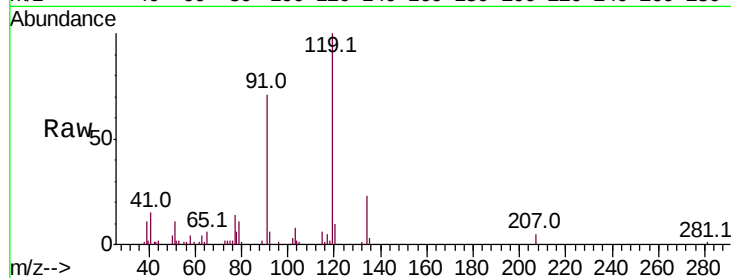
Tot Ion:119 Resp: 32479

Ion Ratio Lower Upper

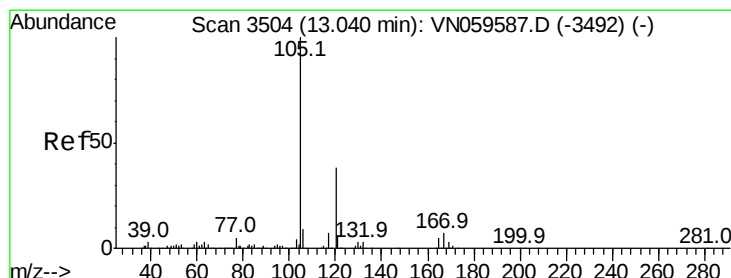
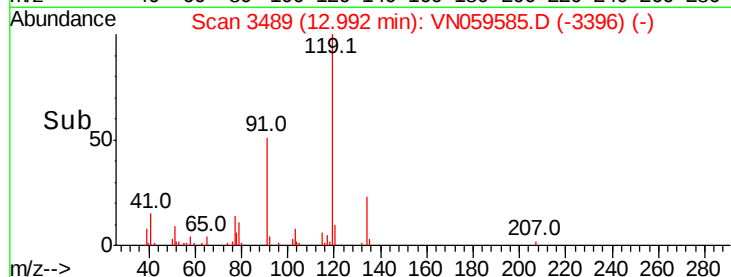
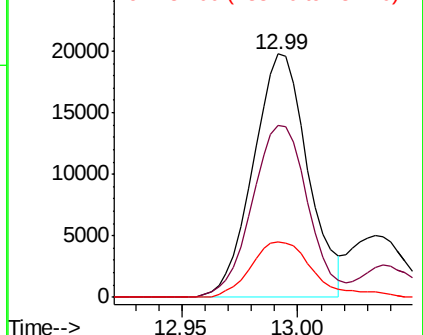
119 100

91 72.2 34.8 104.4

134 26.2 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 3.515 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059585.D

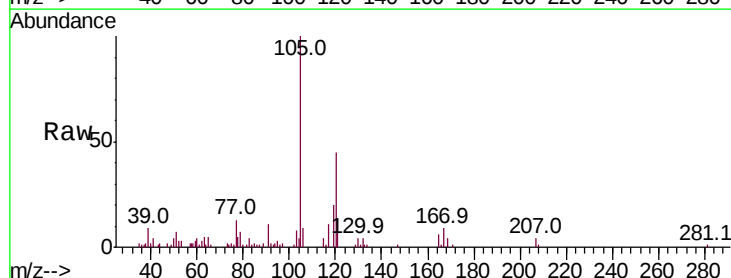
Acq: 13 Dec 2019 16:00

Tgt Ion:105 Resp: 37873

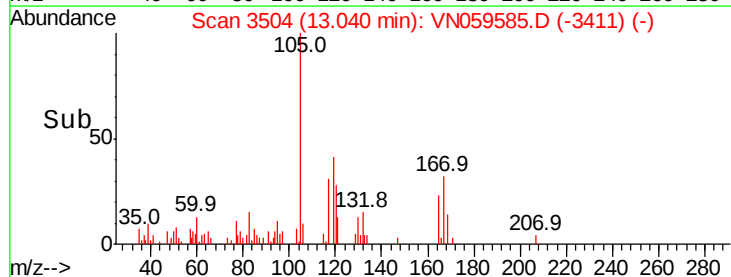
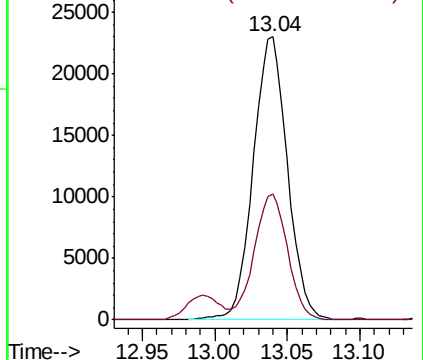
Ion Ratio Lower Upper

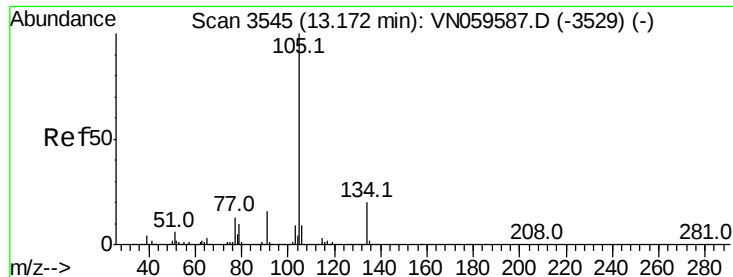
105 100

120 43.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.529 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

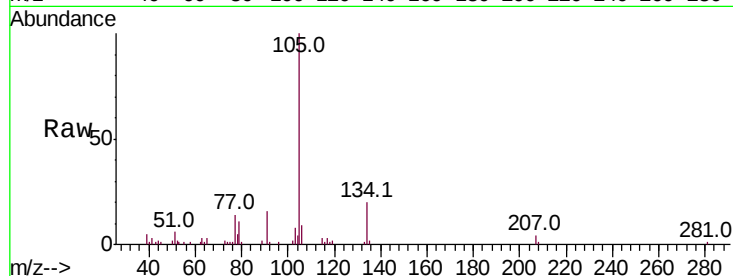
ClientSampled :

Tot Ion:105 Resp: 43959

Ion Ratio Lower Upper

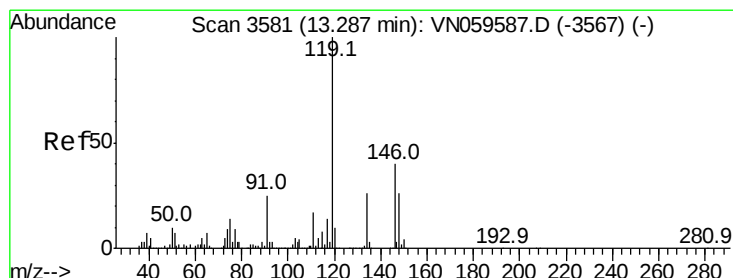
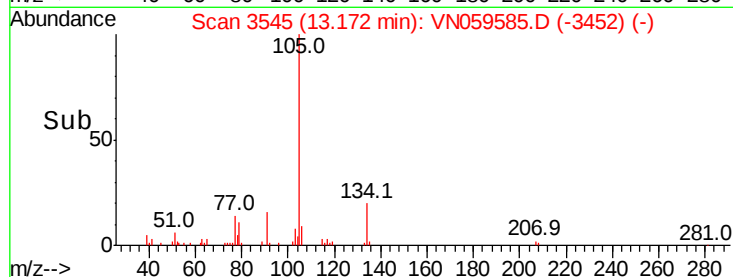
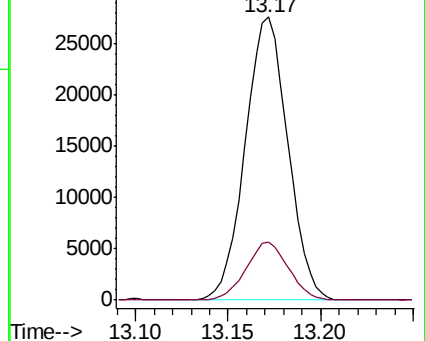
105 100

134 20.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.412 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

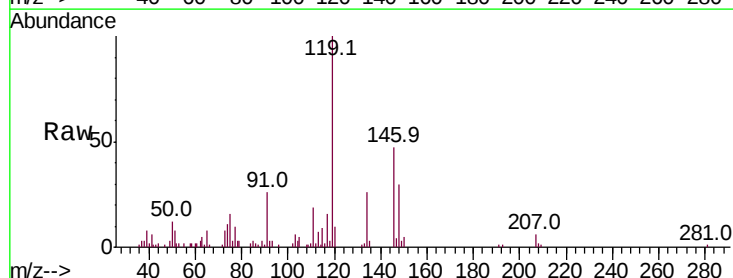
Tgt Ion:119 Resp: 37924

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

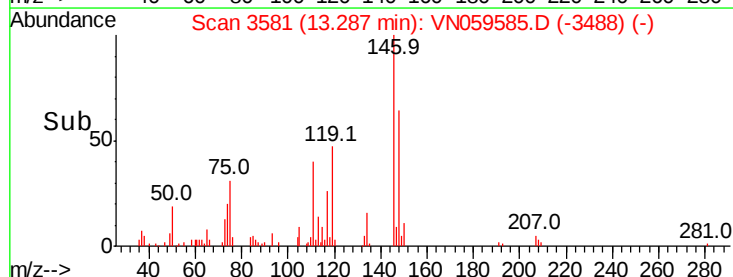
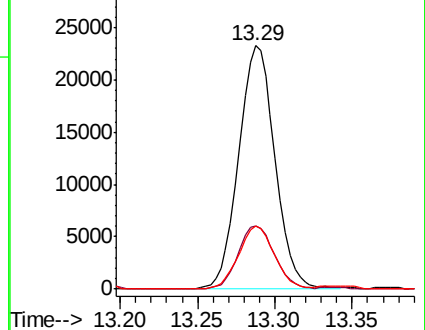
91 25.6 12.4 37.4

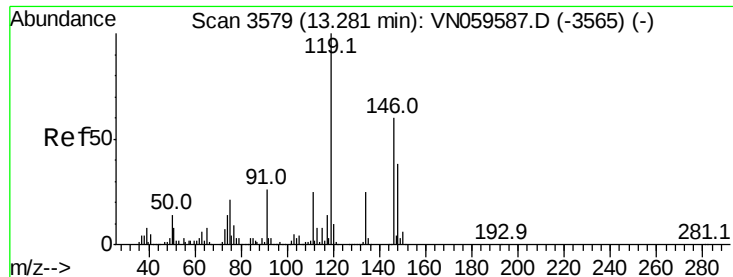


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 3.521 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

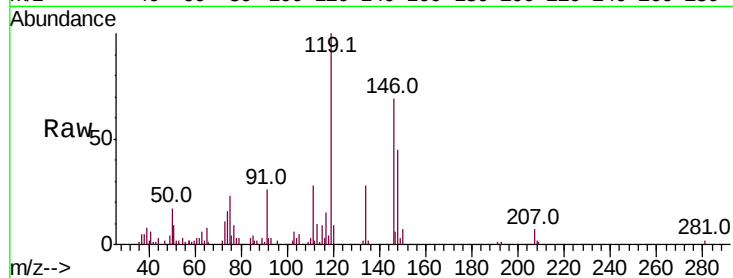
Tot Ion:146 Resp: 20435

Ion Ratio Lower Upper

146 100

111 42.1 20.8 62.2

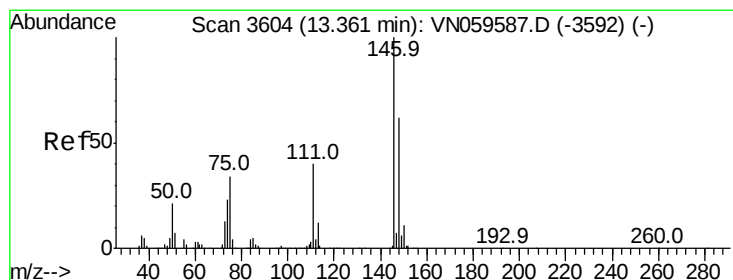
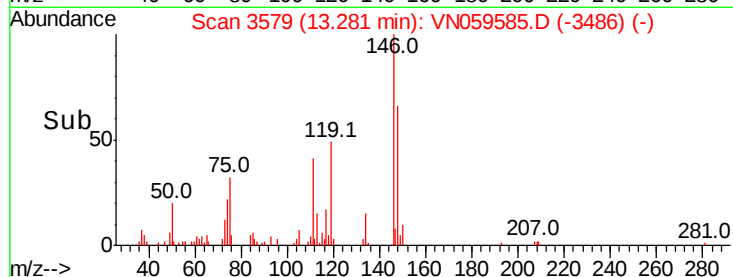
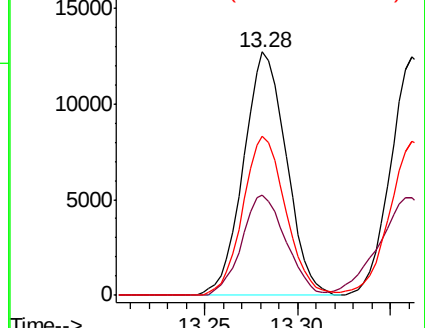
148 65.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 3.662 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

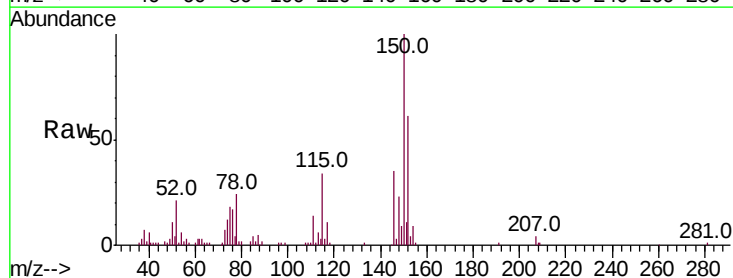
Tgt Ion:146 Resp: 20767

Ion Ratio Lower Upper

146 100

111 51.2 20.8 62.2

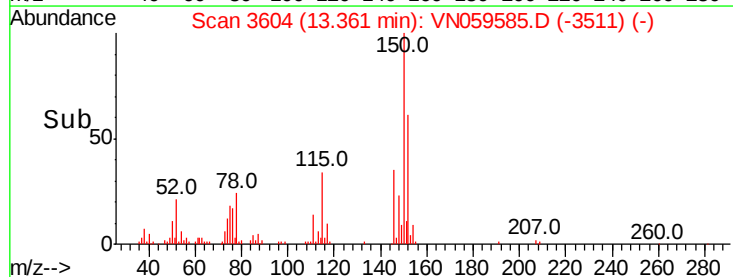
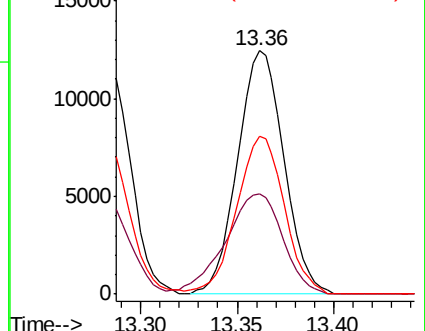
148 66.6 31.8 95.4

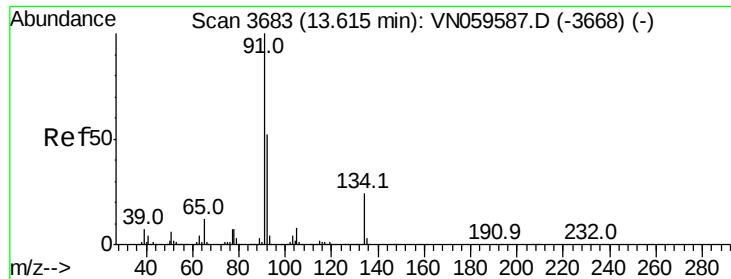


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 3.391 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampled :

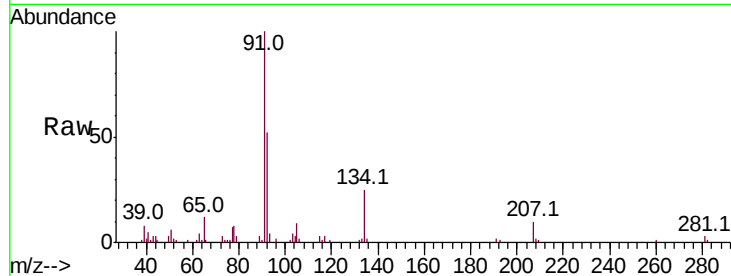
Tot Ion: 91 Resp: 35529

Ion Ratio Lower Upper

91 100

92 51.1 25.9 77.7

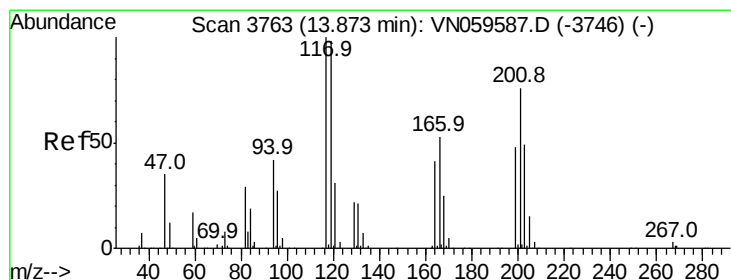
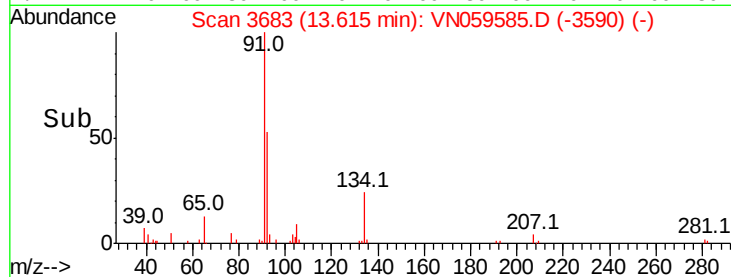
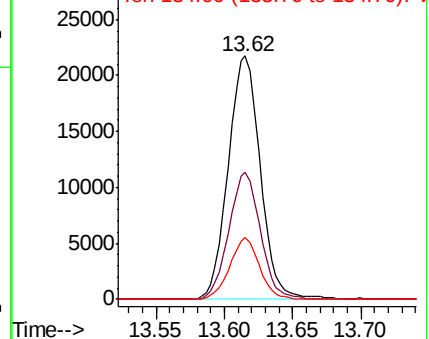
134 23.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059585.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059585.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059585.D (-3668) (-)



#90

Hexachloroethane

Concen: 3.754 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN059585.D

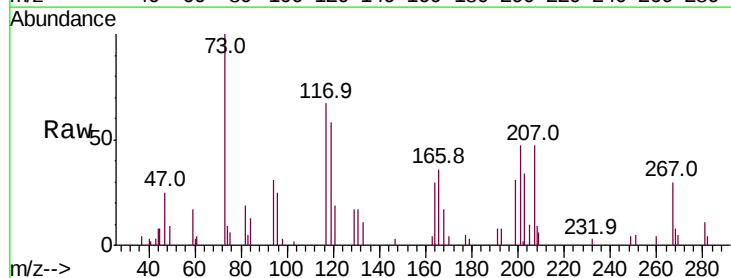
Acq: 13 Dec 2019 16:00

Tgt Ion: 117 Resp: 7712

Ion Ratio Lower Upper

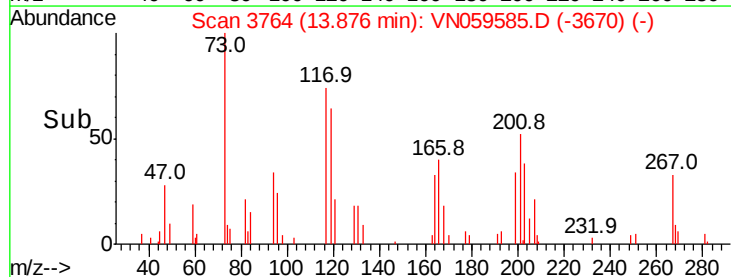
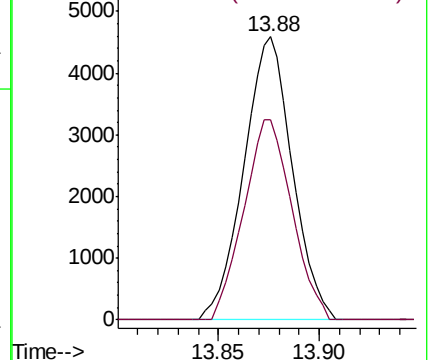
117 100

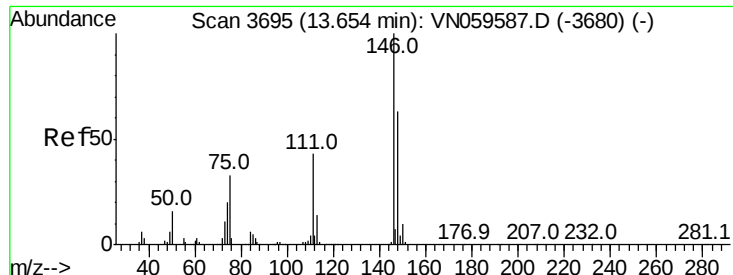
201 70.2 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059585.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059585.D (-3746) (-)





#91

1,2-Dichlorobenzene

Concen: 3.756 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

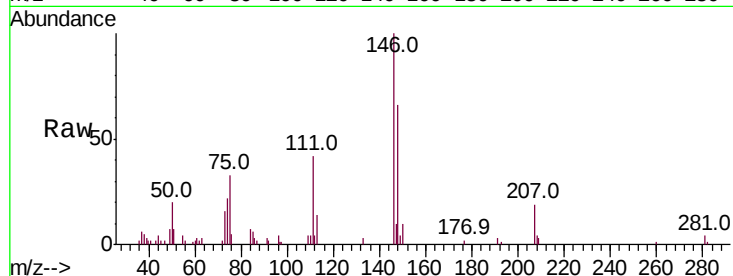
Tot Ion:146 Resp: 20532

Ion Ratio Lower Upper

146 100

111 42.8 21.6 64.8

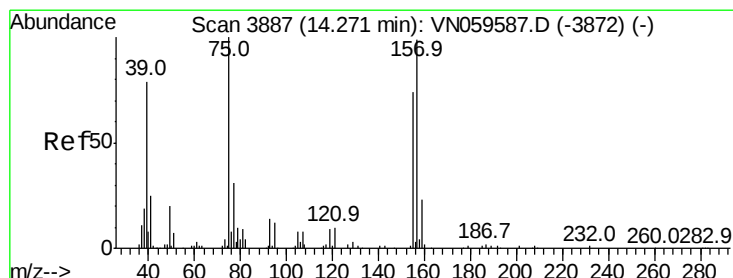
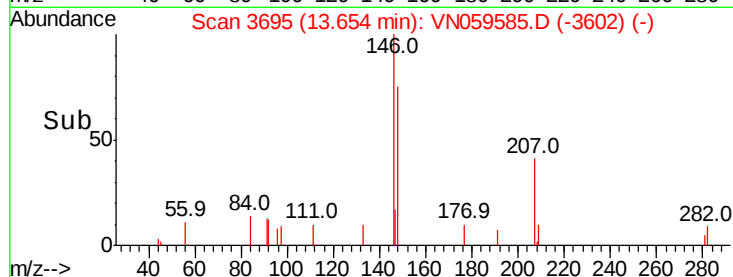
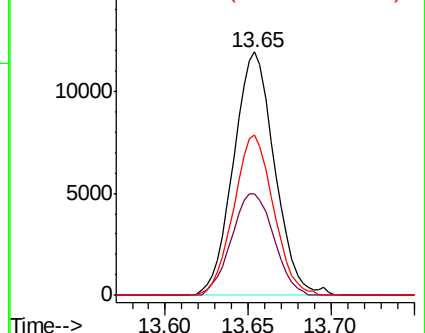
148 63.8 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.045 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

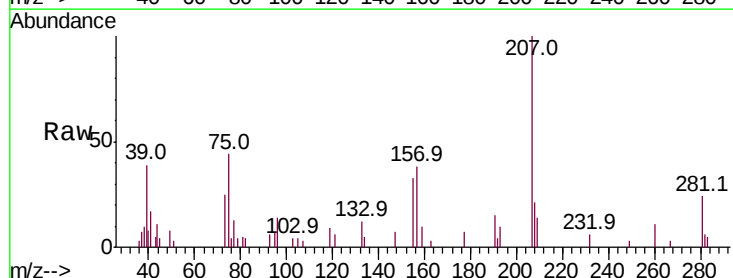
Tgt Ion: 75 Resp: 4420

Ion Ratio Lower Upper

75 100

155 61.2 37.0 110.9

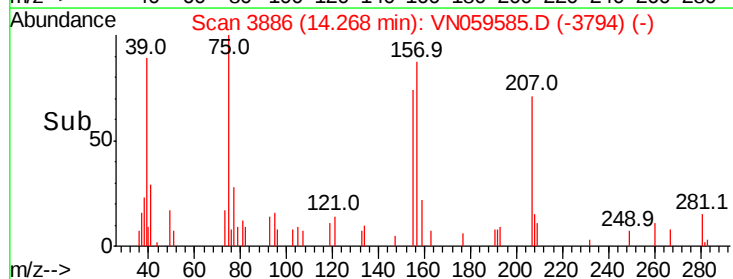
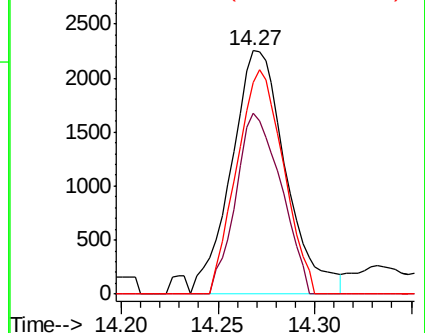
157 78.8 48.4 145.2

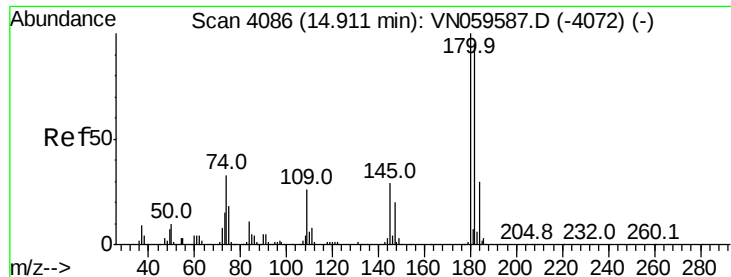


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

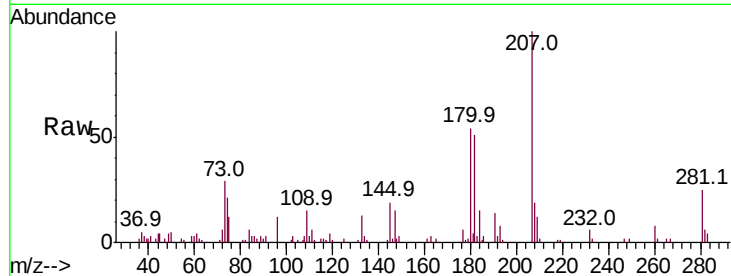




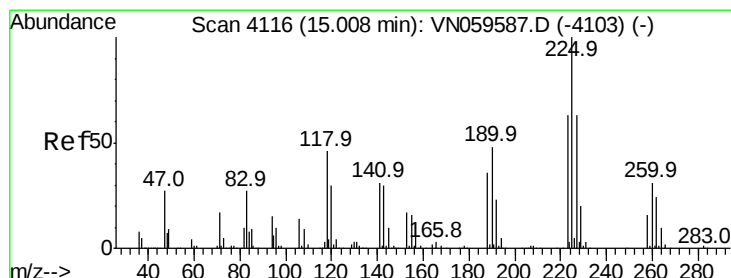
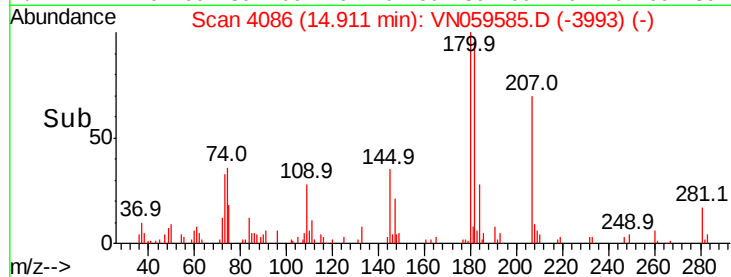
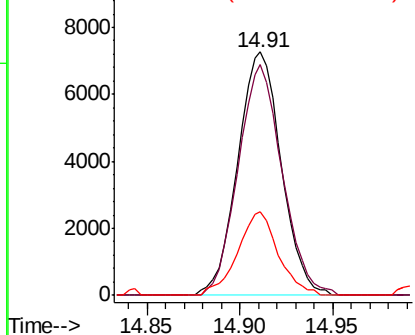
#93
 1,2,4-Trichlorobenzene
 Concen: 3.183 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.7
145	32.0	15.0	45.1

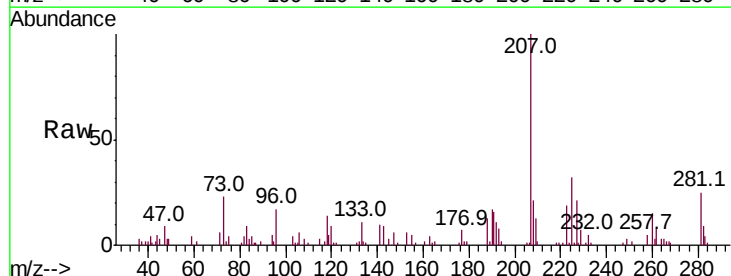


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

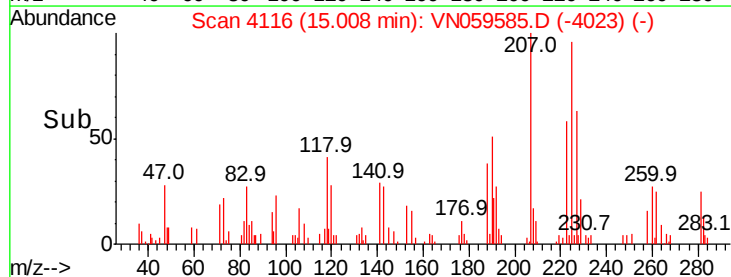
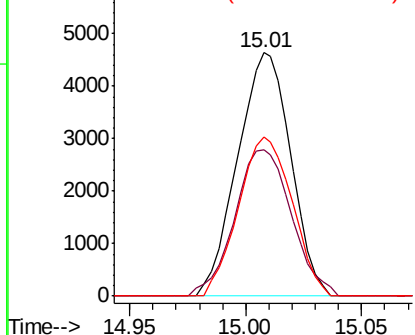


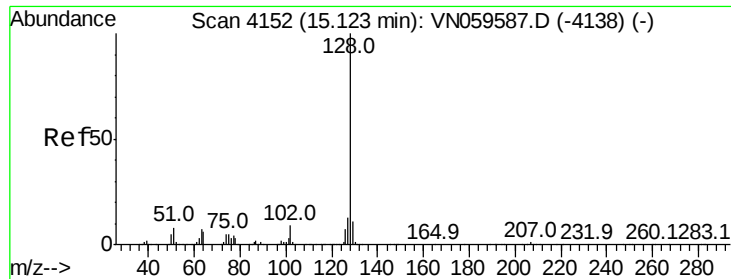
#94
 Hexachlorobutadiene
 Concen: 3.942 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.8	95.3
227	66.0	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

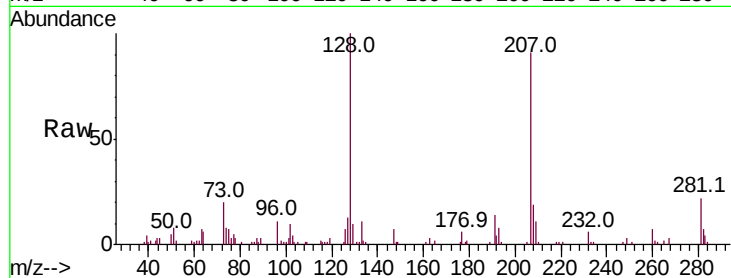




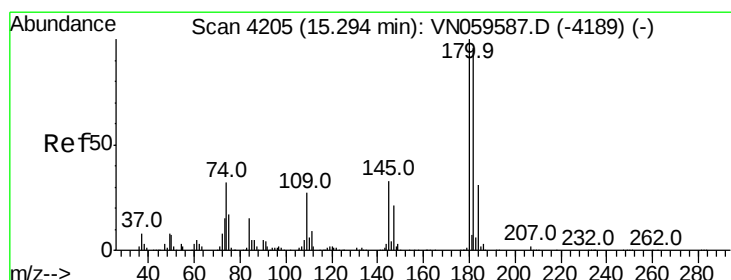
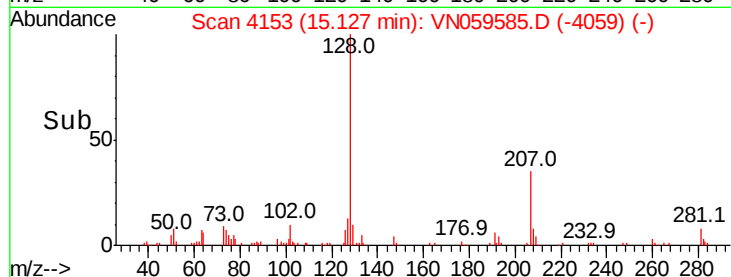
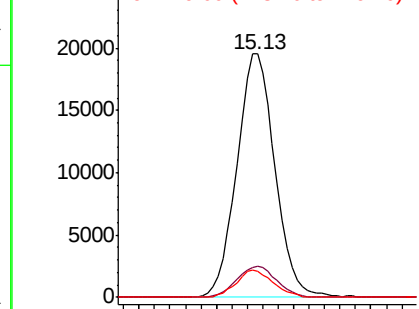
#95
Naphthalene
Concen: 3.041 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 33317
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.6 8.6 12.8

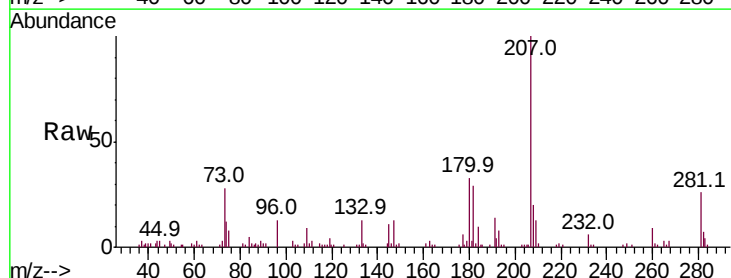


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.332 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion:180 Resp: 12733
Ion Ratio Lower Upper
180 100
182 86.5 47.4 142.3
145 33.2 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

