

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059591.D
 Acq On : 13 Dec 2019 18:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 22:33:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 22:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	252149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	408213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	358377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151625	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	20282	5.60	ug/l	0.00
Spiked Amount			Recovery	=	11.20%	
35) Dibromofluoromethane	7.56	113	13430	5.42	ug/l	0.00
Spiked Amount			Recovery	=	10.84%	
50) Toluene-d8	10.08	98	52977	5.20	ug/l	0.00
Spiked Amount			Recovery	=	10.40%	
62) 4-Bromofluorobenzene	12.40	95	18527	5.03	ug/l	0.00
Spiked Amount			Recovery	=	10.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	18302	6.105	ug/l	99
3) Chloromethane	2.04	50	27018	5.886	ug/l	97
4) Vinyl Chloride	2.17	62	27004	6.030	ug/l	100
5) Bromomethane	2.52	94	17518	6.400	ug/l	95
6) Chloroethane	2.67	64	13914	5.237	ug/l	95
7) Trichlorofluoromethane	2.99	101	28970	5.433	ug/l	93
8) Diethyl Ether	3.38	74	8983	4.953	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	15190	5.519	ug/l	98
10) Methyl Iodide	3.92	142	16726	4.447	ug/l	98
11) Tert butyl alcohol	4.76	59	17350	28.365	ug/l	96
12) 1,1-Dichloroethene	3.71	96	14136	5.254	ug/l	96
13) Acrolein	3.58	56	10809	30.995	ug/l	96
14) Allyl chloride	4.29	41	28066	5.438	ug/l	95
15) Acrylonitrile	4.95	53	41803	26.526	ug/l	98
16) Acetone	3.79	43	51492	28.928	ug/l	97
17) Carbon Disulfide	4.02	76	47038	4.761	ug/l	99
18) Methyl Acetate	4.30	43	23139	5.222	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	48648	5.445	ug/l	99
20) Methylene Chloride	4.52	84	17014	4.990	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	15370	5.340	ug/l	95
22) Diisopropyl ether	5.92	45	51100	5.203	ug/l	95
23) Vinyl Acetate	5.86	43	190339	23.400	ug/l	99
24) 1,1-Dichloroethane	5.82	63	30148	5.401	ug/l	97
25) 2-Butanone	6.81	43	64704	28.024	ug/l	99
26) 2,2-Dichloropropane	6.80	77	27540	5.457	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	17411	5.371	ug/l	99
28) Bromochloromethane	7.17	49	5814	3.198	ug/l #	98
29) Tetrahydrofuran	7.19	42	40515	25.718	ug/l	98
30) Chloroform	7.35	83	29394	5.339	ug/l	98
31) Cyclohexane	7.63	56	31642	5.831	ug/l #	80
32) 1,1,1-Trichloroethane	7.54	97	26429	5.409	ug/l	99
36) 1,1-Dichloropropene	7.77	75	22174	5.214	ug/l	98
37) Ethyl Acetate	6.90	43	24199	5.460	ug/l	99
38) Carbon Tetrachloride	7.75	117	23096	5.495	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059591.D
 Acq On : 13 Dec 2019 18:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 22:33:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 22:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	24201	5.079	ug/l	96
40) Benzene	8.02	78	64843	5.326	ug/l	99
41) Methacrylonitrile	7.19	41	36862	18.050	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	25512	5.613	ug/l	99
43) Isopropyl Acetate	8.14	43	38336	5.202	ug/l #	92
44) Trichloroethene	8.82	130	17152	5.559	ug/l	94
45) 1,2-Dichloropropane	9.10	63	17362	5.386	ug/l	100
46) Dibromomethane	9.19	93	11549	5.407	ug/l	98
47) Bromodichloromethane	9.39	83	22778	5.376	ug/l	99
48) Methyl methacrylate	9.19	41	16683	5.157	ug/l	97
49) 1,4-Dioxane	9.19	88	4440	102.607	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	111960	26.133	ug/l	99
52) Toluene	10.15	92	39827	5.482	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	25306	5.119	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	26661	5.262	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	15209	5.175	ug/l	94
56) Ethyl methacrylate	10.42	69	19525	4.495	ug/l	94
57) 1,3-Dichloropropane	10.70	76	26684	5.314	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	37833	27.504	ug/l	99
59) 2-Hexanone	10.74	43	84621	26.063	ug/l	98
60) Dibromochloromethane	10.90	129	16100	5.053	ug/l	99
61) 1,2-Dibromoethane	11.00	107	15466	5.062	ug/l	99
64) Tetrachloroethene	10.62	164	19097	6.867	ug/l	98
65) Chlorobenzene	11.43	112	41795	5.462	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.50	131	16010	5.600	ug/l	99
67) Ethyl Benzene	11.51	91	72058	5.241	ug/l	99
68) m/p-Xylenes	11.62	106	53255	10.455	ug/l	96
69) o-Xylene	11.95	106	24874	5.230	ug/l	100
70) Styrene	11.96	104	37123	4.713	ug/l	98
71) Bromoform	12.12	173	10894	4.916	ug/l #	97
73) Isopropylbenzene	12.25	105	65286	5.508	ug/l	99
74) N-amyl acetate	12.07	43	28085	5.408	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	20684	5.229	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	31068	7.787	ug/l #	100
77) Bromobenzene	12.53	156	15791	5.432	ug/l	97
78) n-propylbenzene	12.59	91	74653	5.181	ug/l	100
79) 2-Chlorotoluene	12.67	91	45614	5.304	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	55292	5.513	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	7779	5.150	ug/l	99
82) 4-Chlorotoluene	12.77	91	46419	5.299	ug/l	100
83) tert-Butylbenzene	12.99	119	46670	5.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	54041	5.463	ug/l	99
85) sec-Butylbenzene	13.17	105	61738	5.398	ug/l	99
86) p-Isopropyltoluene	13.29	119	54886	5.379	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	28649	5.377	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	28720	5.517	ug/l	95
89) n-Butylbenzene	13.62	91	49262	5.122	ug/l	99
90) Hexachloroethane	13.87	117	10431	5.532	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	27854	5.550	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6136	6.118	ug/l	77

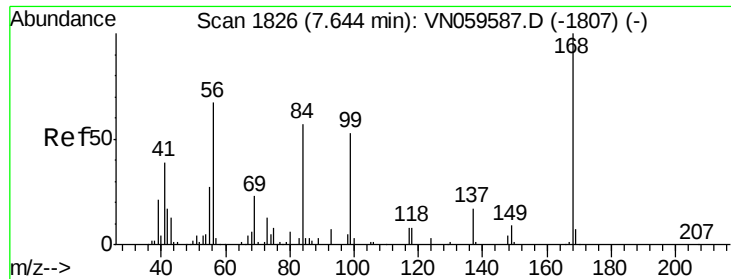
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
Data File : VN059591.D
Acq On : 13 Dec 2019 18:12
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 13 22:33:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 22:31:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	18109	5.305	ug/l	98
94) Hexachlorobutadiene	15.01	225	10191	5.913	ug/l	97
95) Naphthalene	15.12	128	50559	5.027	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	18849	5.373	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

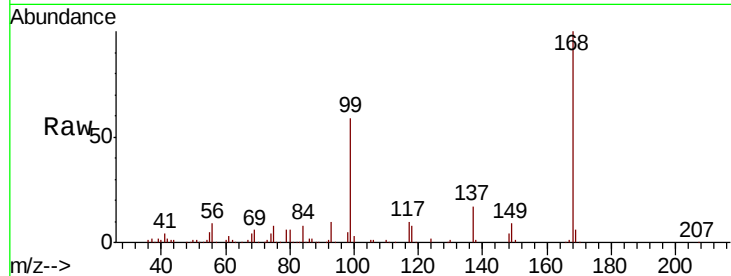
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 252149

Ion Ratio Lower Upper

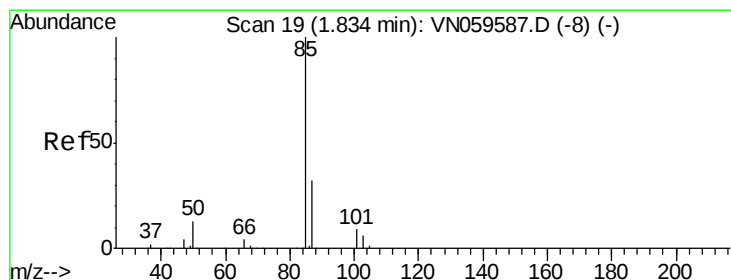
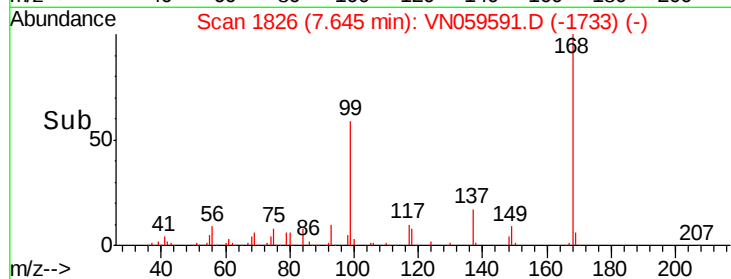
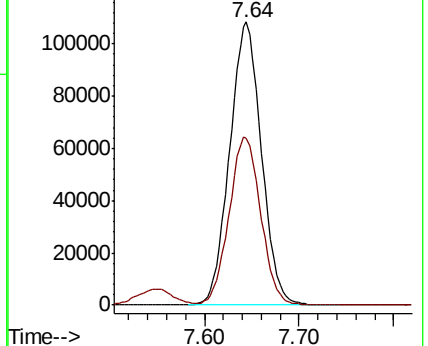
168 100

99 59.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 6.105 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059591.D

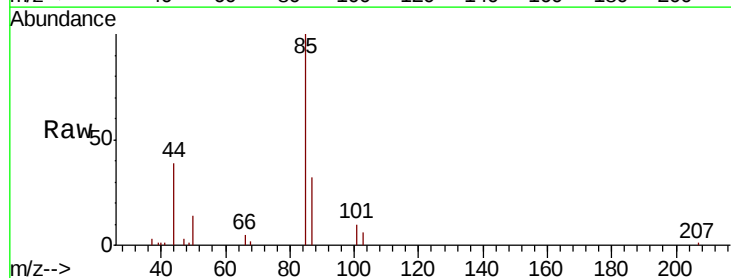
Acq: 13 Dec 2019 18:12

Tgt Ion: 85 Resp: 18302

Ion Ratio Lower Upper

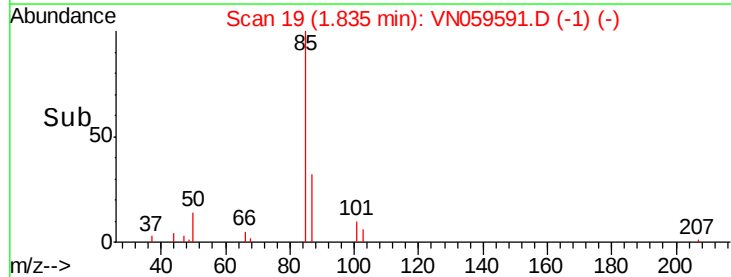
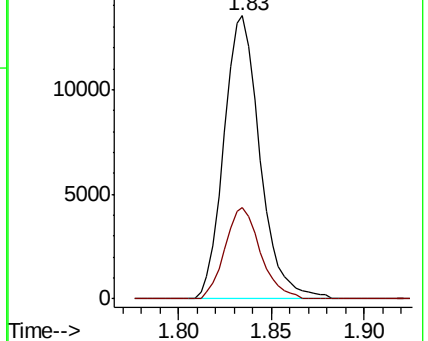
85 100

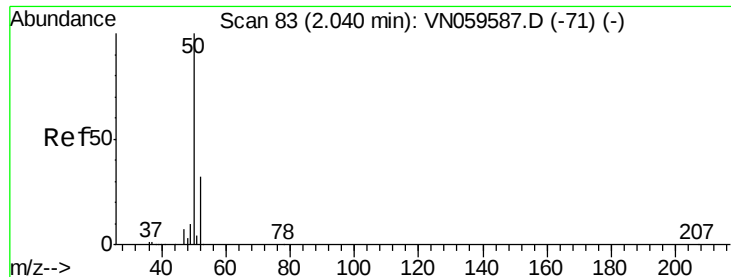
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 5.886 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

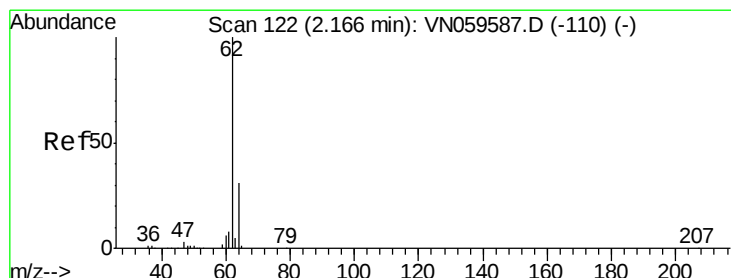
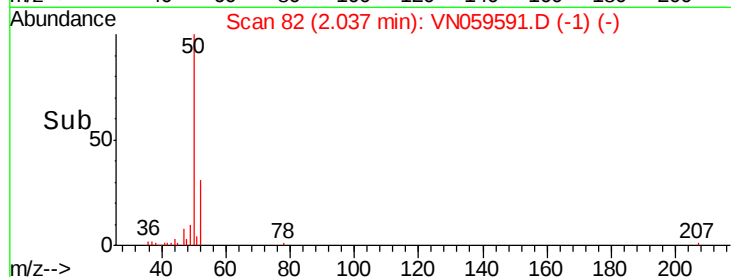
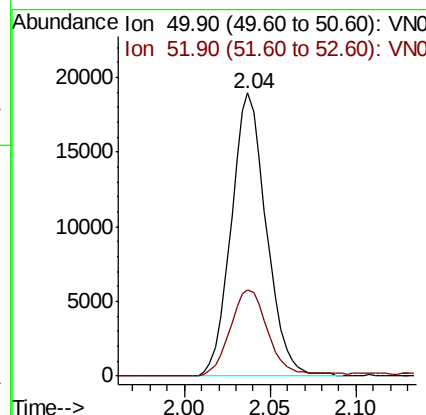
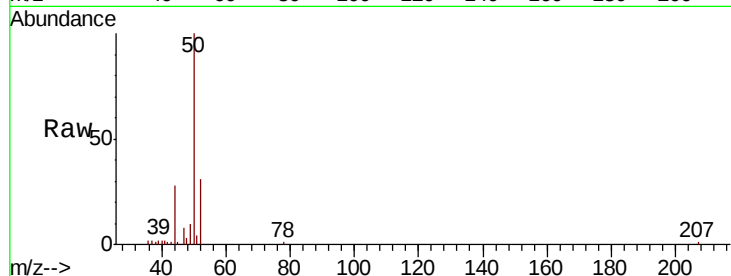
ClientSampleId :

Tot Ion: 50 Resp: 27018

Ion Ratio Lower Upper

50 100

52 30.6 25.9 38.9



#4

Vinyl Chloride

Concen: 6.030 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059591.D

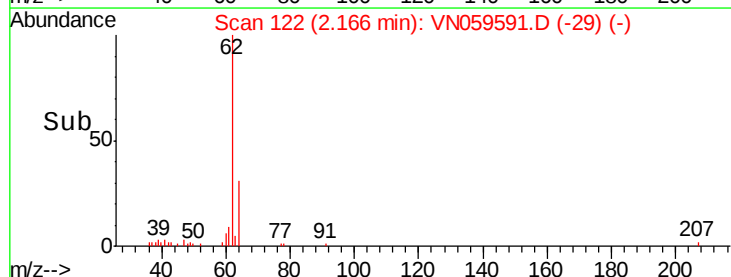
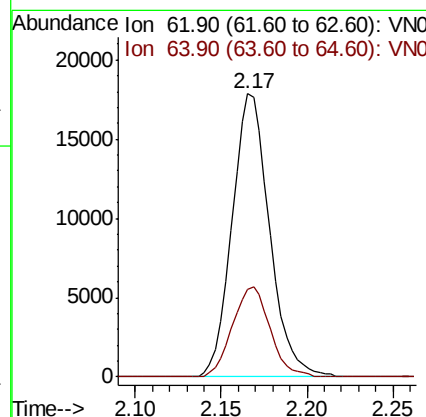
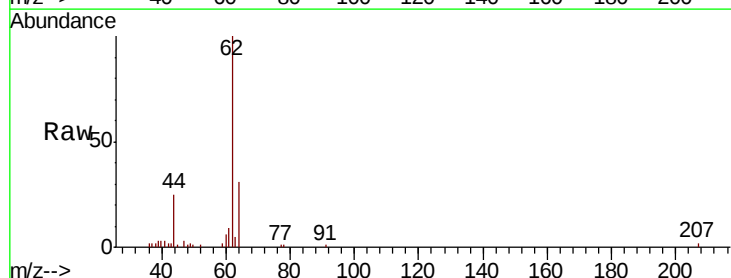
Acq: 13 Dec 2019 18:12

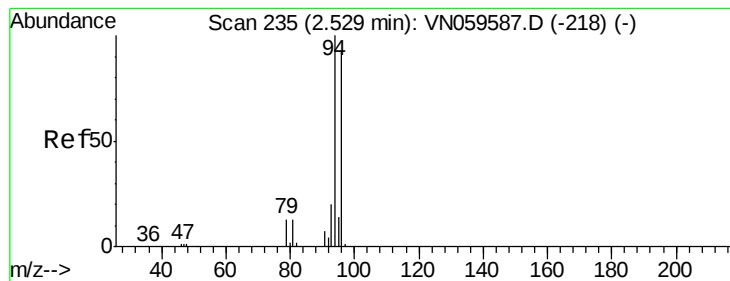
Tgt Ion: 62 Resp: 27004

Ion Ratio Lower Upper

62 100

64 30.9 24.6 37.0





#5

Bromomethane

Concen: 6.400 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

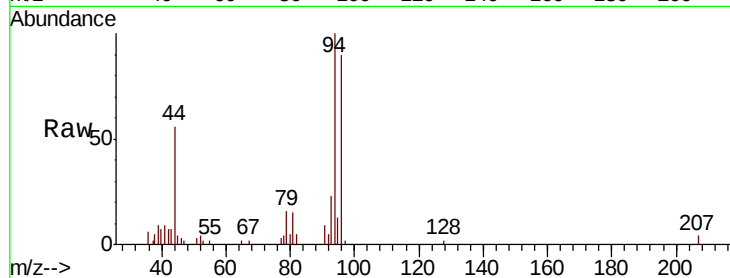
ClientSampleId :

Tot Ion: 94 Resp: 17518

Ion Ratio Lower Upper

94 100

96 88.5 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

10000

8000

6000

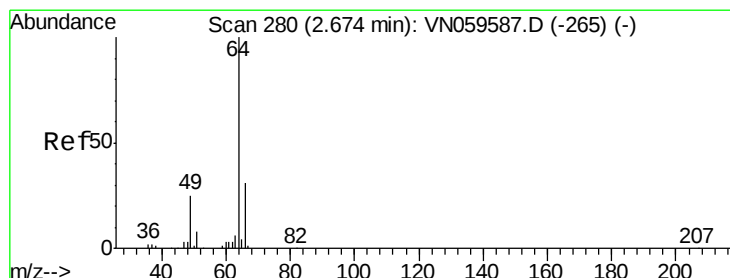
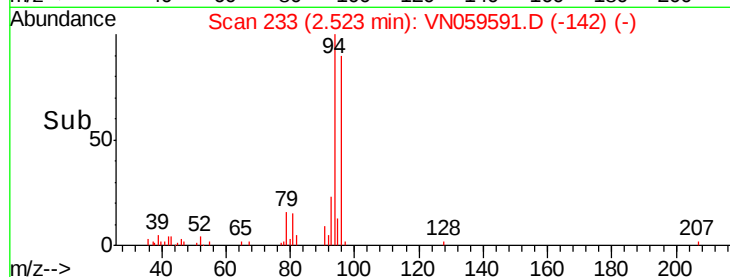
4000

2000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 5.237 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059591.D

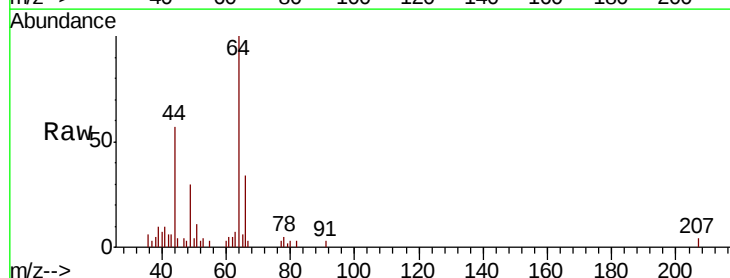
Acq: 13 Dec 2019 18:12

Tgt Ion: 64 Resp: 13914

Ion Ratio Lower Upper

64 100

66 33.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

8000

6000

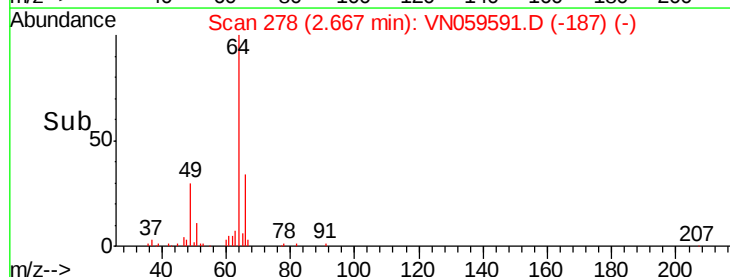
4000

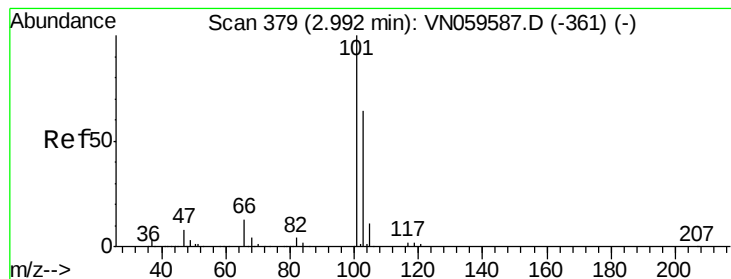
2000

0

Time-->

2.60 2.65 2.70 2.75



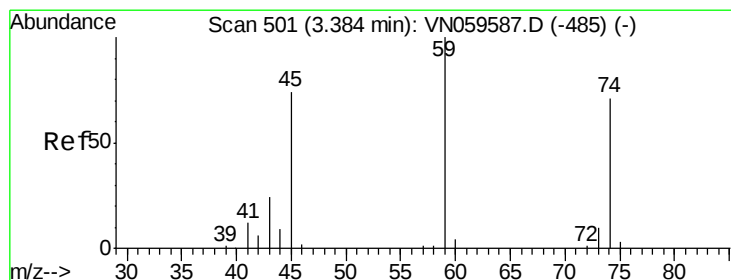
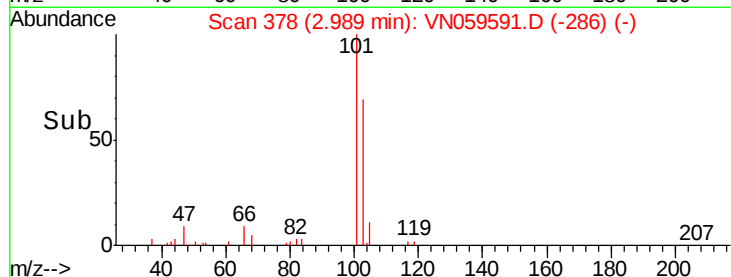
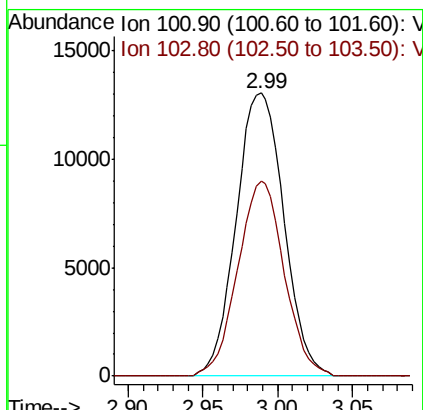
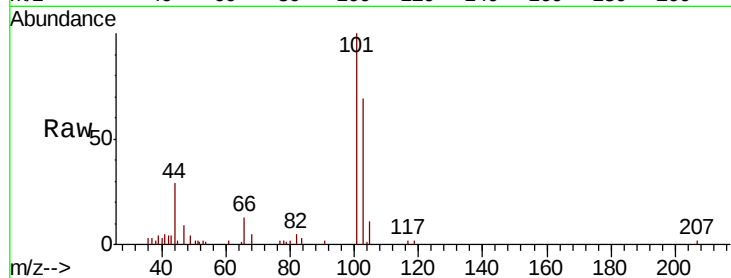


#7

Trichlorofluoromethane
 Concen: 5.433 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampled :

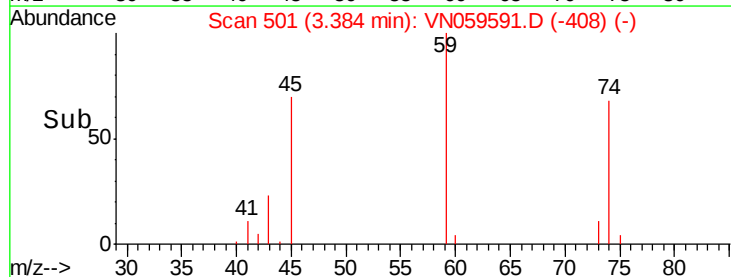
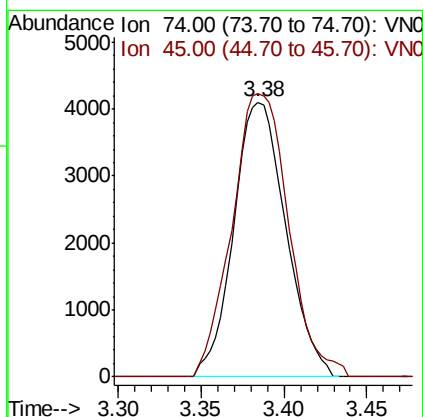
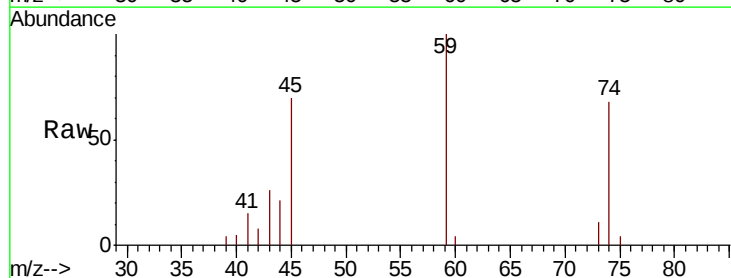
Tot Ion:101 Resp: 28970
 Ion Ratio Lower Upper
 101 100
 103 69.0 51.0 76.6

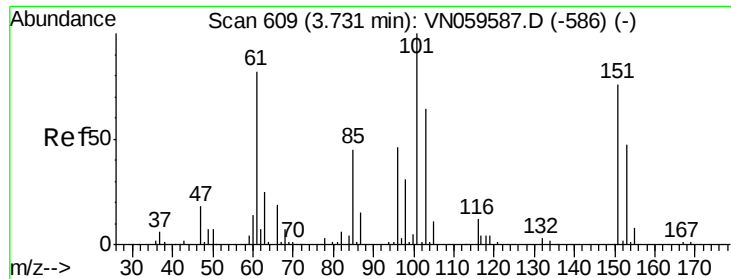


#8

Diethyl Ether
 Concen: 4.953 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion: 74 Resp: 8983
 Ion Ratio Lower Upper
 74 100
 45 112.1 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.519 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampled :

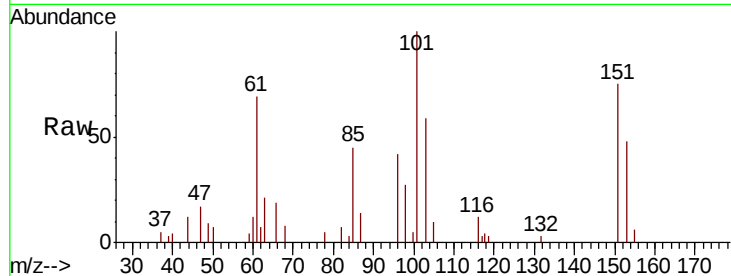
Tot Ion:101 Resp: 15190

Ion Ratio Lower Upper

101 100

85 45.7 36.6 54.8

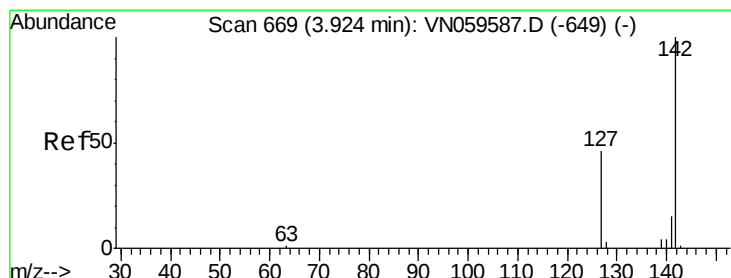
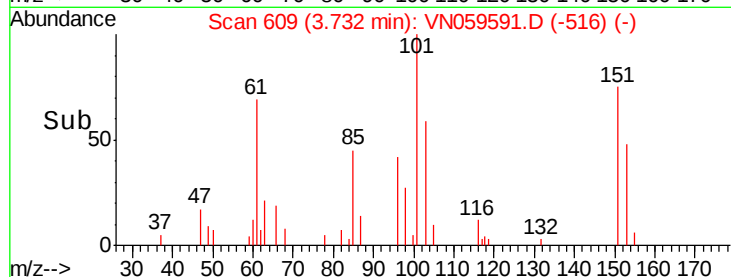
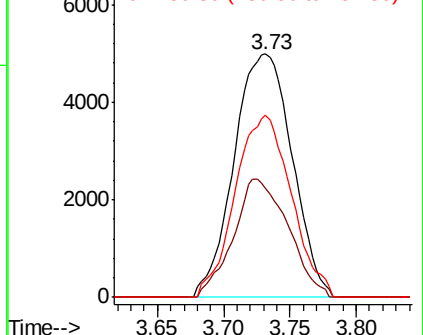
151 72.4 59.7 89.5



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: 4.447 ug/l

RT: 3.92 min Scan# 667

Delta R.T. -0.01 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

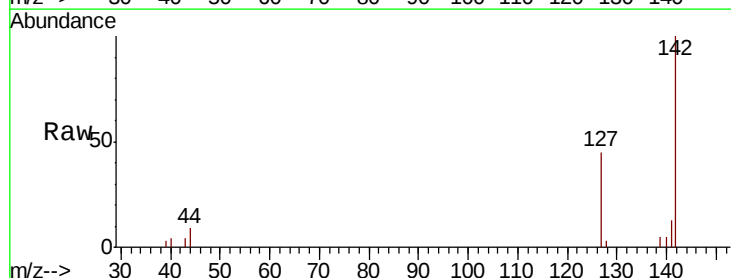
Tgt Ion:142 Resp: 16726

Ion Ratio Lower Upper

142 100

127 44.6 36.7 55.1

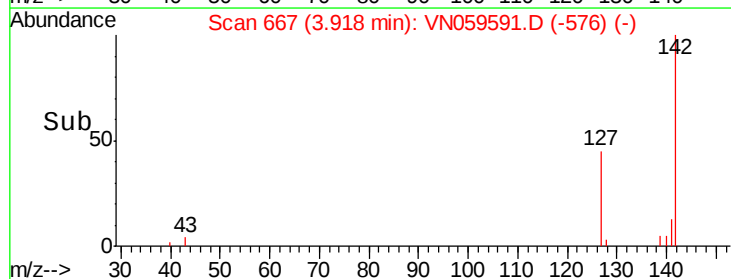
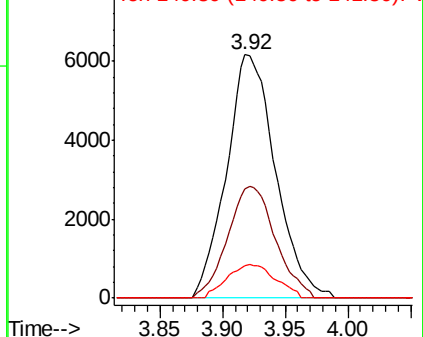
141 13.7 11.7 17.5

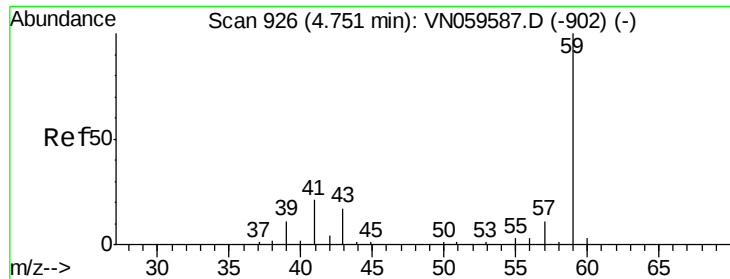


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

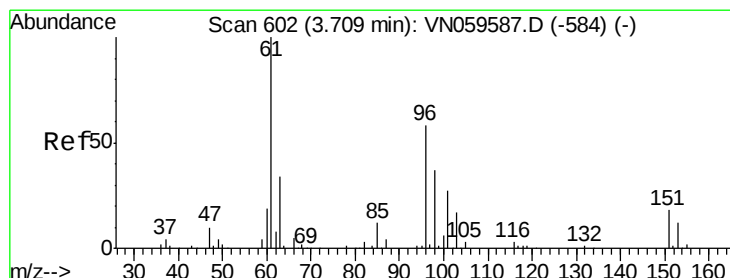
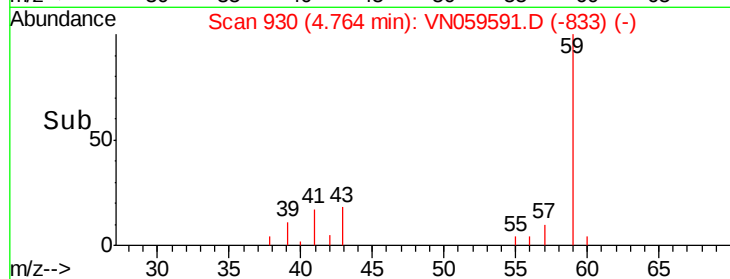
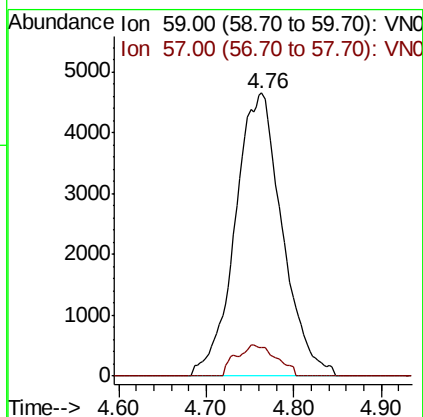
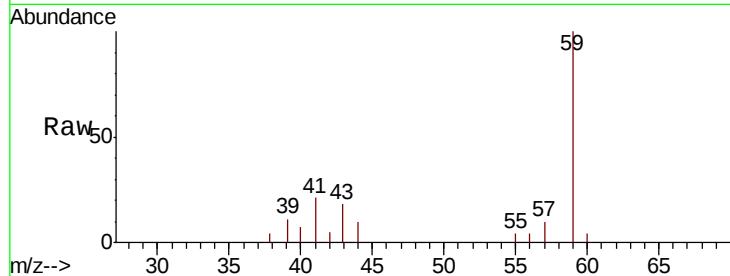




#11
Tert butyl alcohol
Concen: 28.365 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

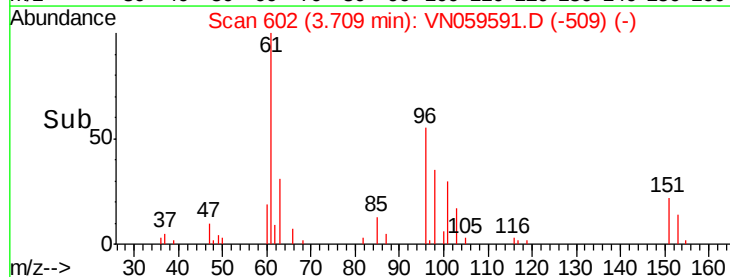
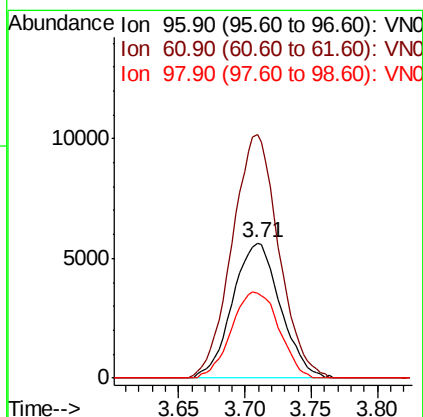
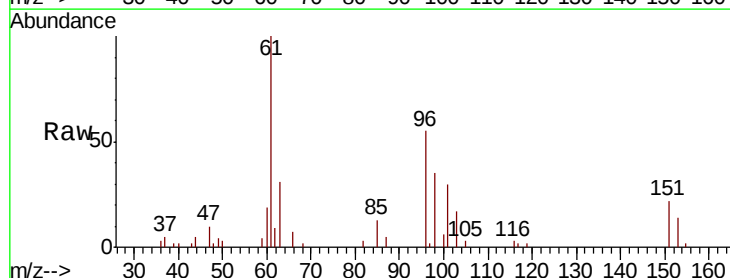
Instrument :
MSVOA_N
ClientSampled :

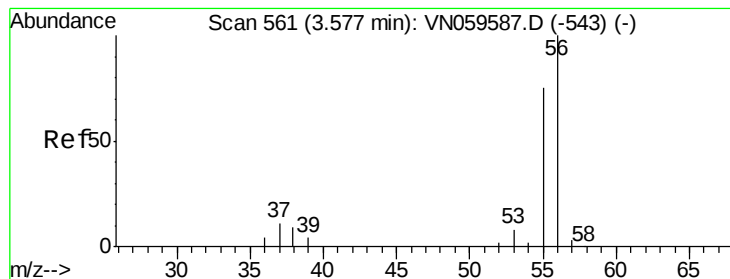
Tot Ion: 59 Resp: 17350
Ion Ratio Lower Upper
59 100
57 9.4 8.6 12.8



#12
1,1-Dichloroethene
Concen: 5.254 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 96 Resp: 14136
Ion Ratio Lower Upper
96 100
61 180.2 137.5 206.3
98 62.8 50.2 75.4





#13

Acrolein

Concen: 30.995 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

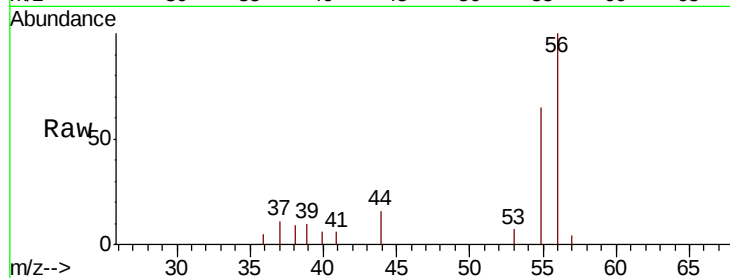
ClientSampleId :

Tot Ion: 56 Resp: 10809

Ion Ratio Lower Upper

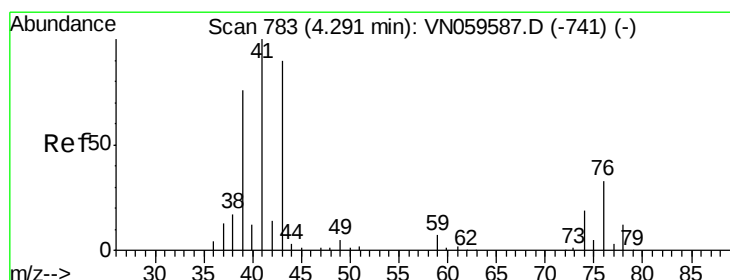
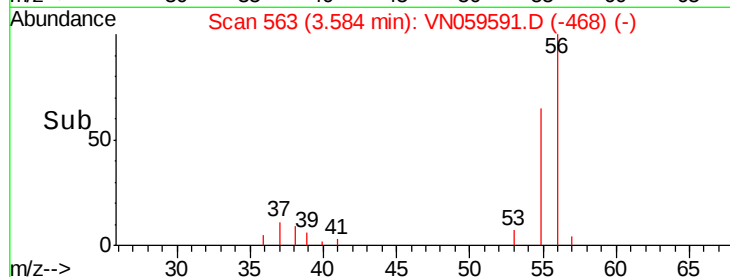
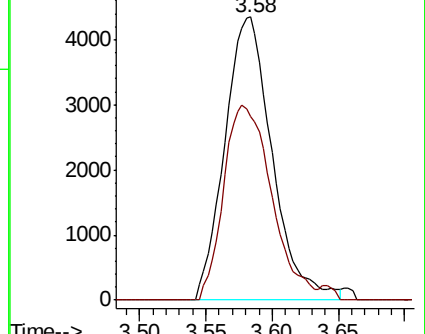
56 100

55 69.7 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN059587.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN059587.D (-543) (-)



#14

Allyl chloride

Concen: 5.438 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

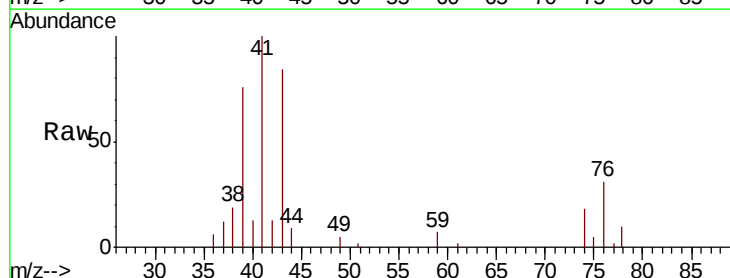
Tgt Ion: 41 Resp: 28066

Ion Ratio Lower Upper

41 100

39 68.7 57.8 86.8

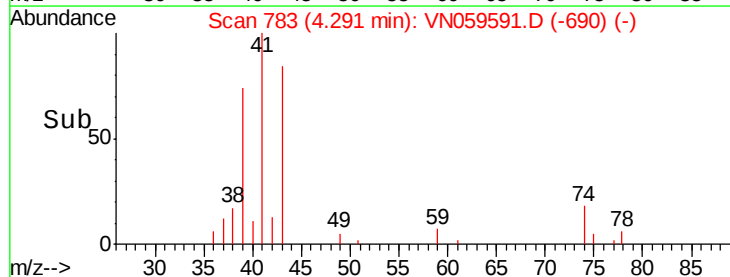
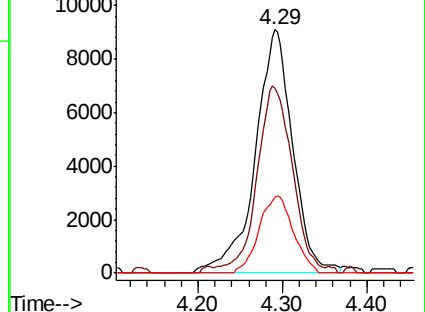
76 28.8 25.4 38.0

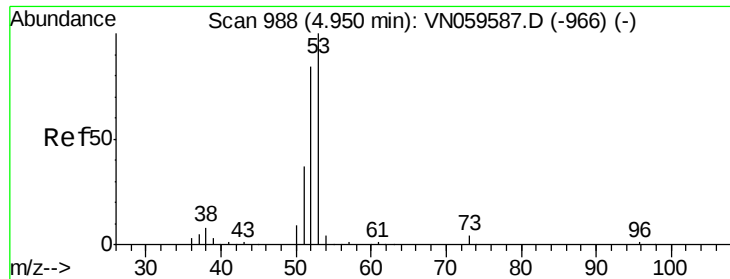


Abundance Ion 41.00 (40.70 to 41.70): VN059587.D (-741) (-)

Ion 39.00 (38.70 to 39.70): VN059587.D (-741) (-)

Ion 75.90 (75.60 to 76.60): VN059587.D (-741) (-)





#15

Acrylonitrile

Concen: 26.526 ug/l

RT: 4.95 min Scan# 988

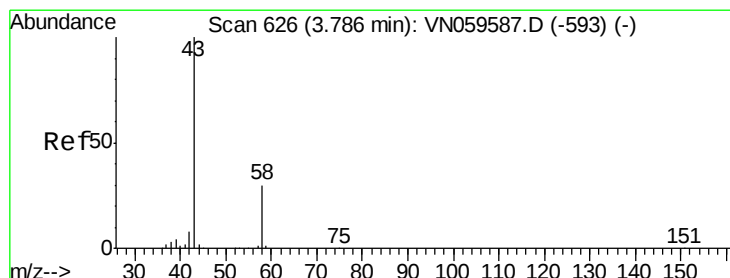
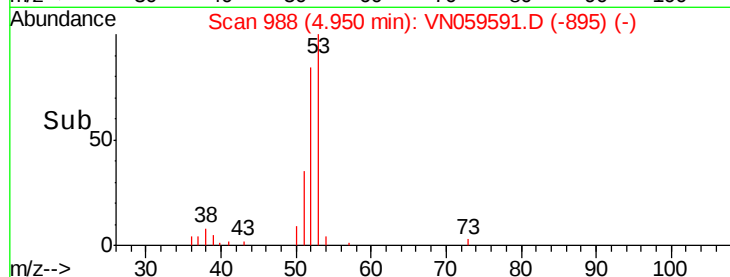
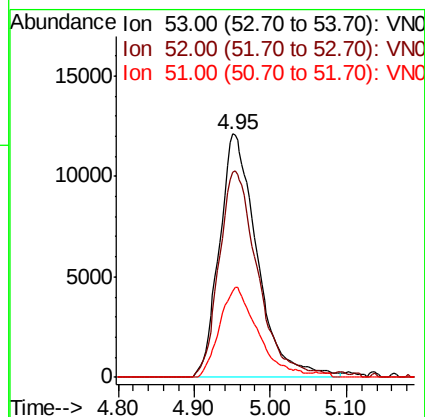
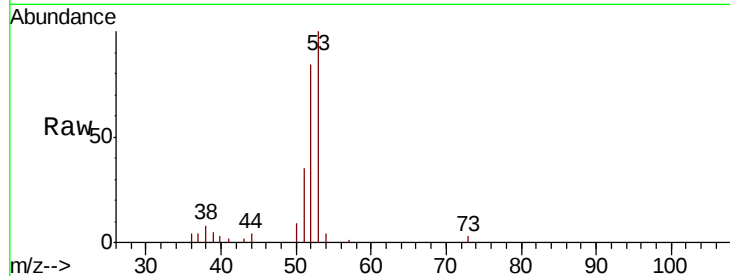
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	53	Resp:	41803
Ion	Ratio	Lower	Upper
53	100		
52	85.8	66.3	99.5
51	37.4	29.7	44.5



#16

Acetone

Concen: 28.928 ug/l

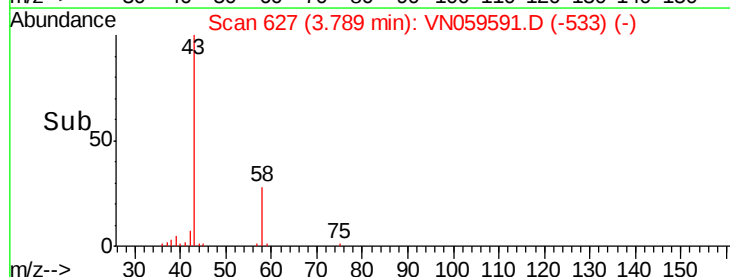
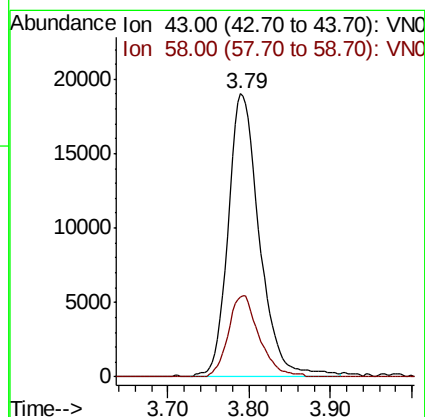
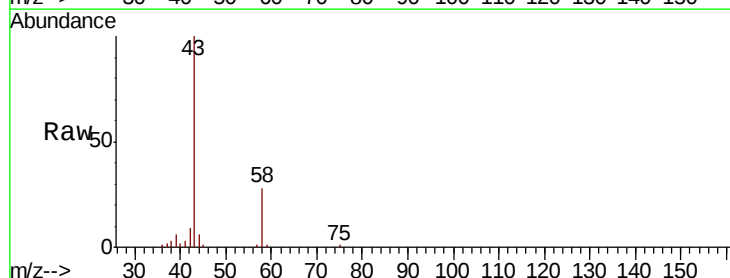
RT: 3.79 min Scan# 627

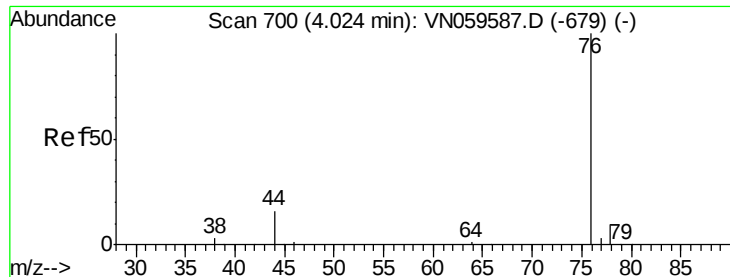
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	43	Resp:	51492
Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.6	35.4

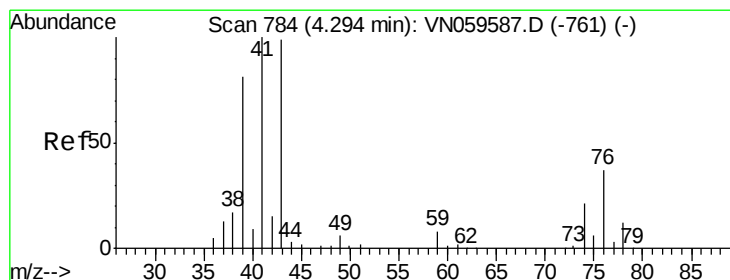
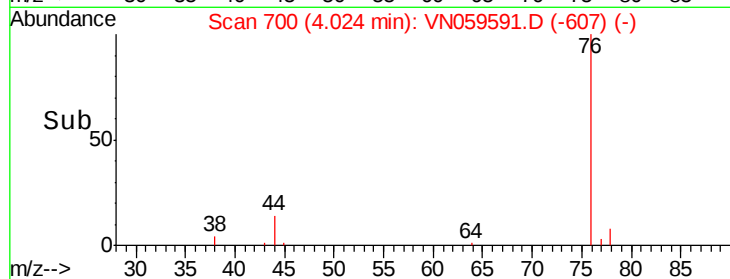
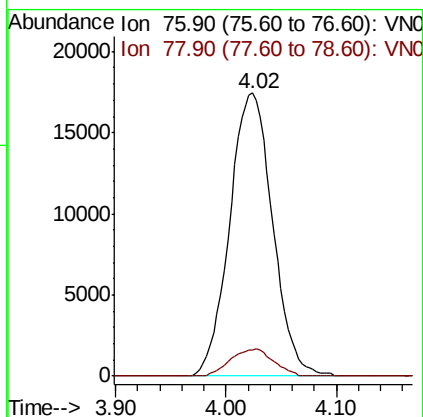
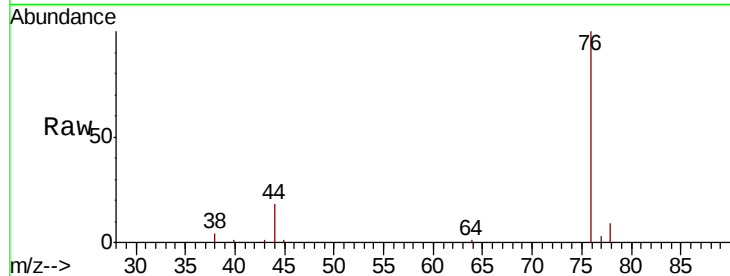




#17
Carbon Disulfide
Concen: 4.761 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

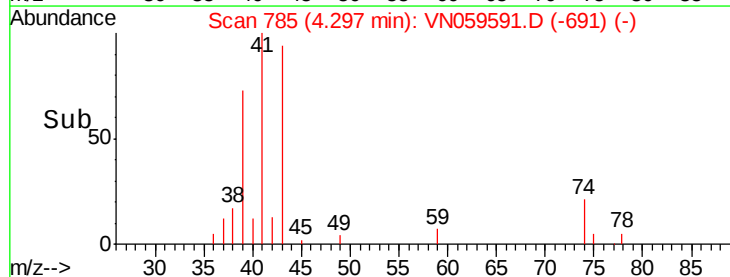
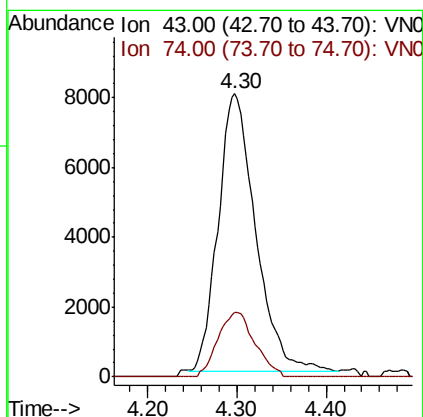
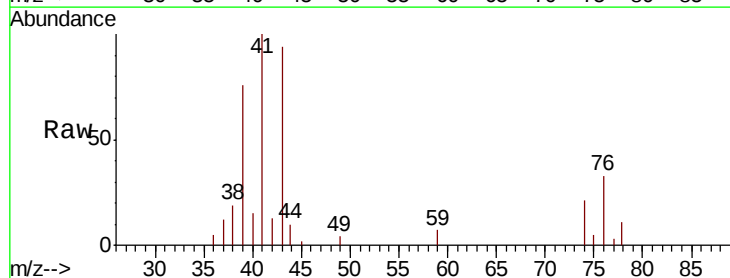
Instrument :
MSVOA_N
ClientSampleId :

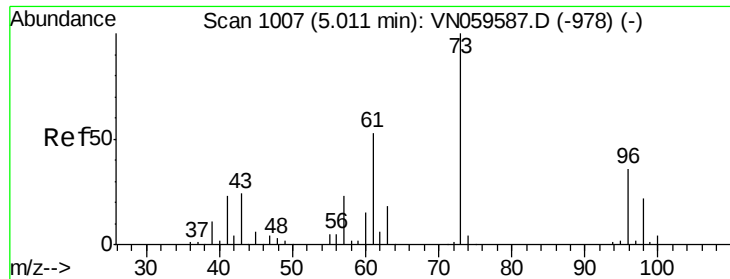
Tot Ion: 76 Resp: 47038
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 5.222 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 43 Resp: 23139
Ion Ratio Lower Upper
43 100
74 22.9 17.5 26.3

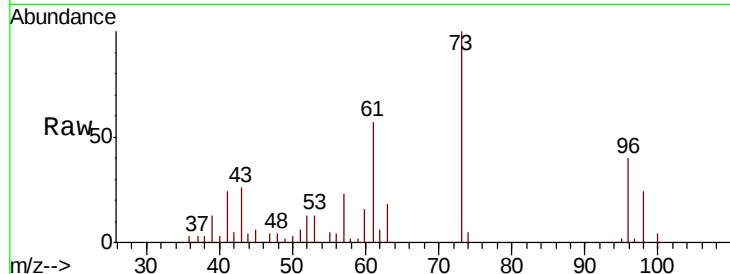




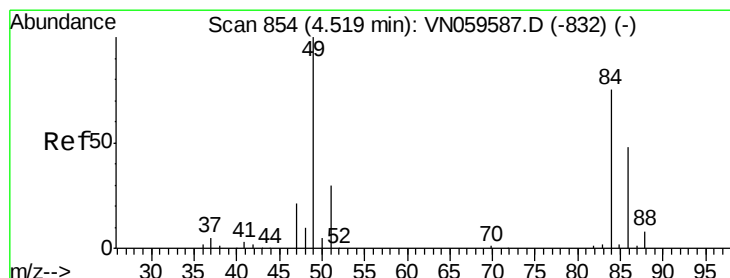
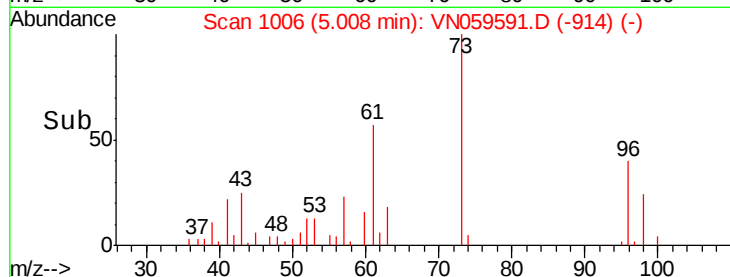
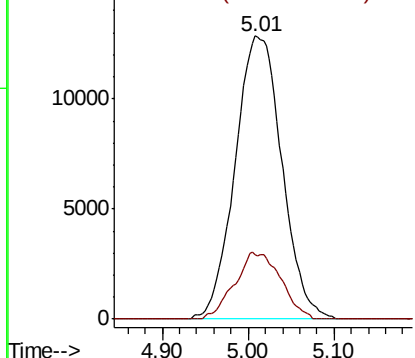
#19
Methyl tert-butyl Ether
Concen: 5.445 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 48648
Ion Ratio Lower Upper
73 100
57 22.6 18.6 27.8

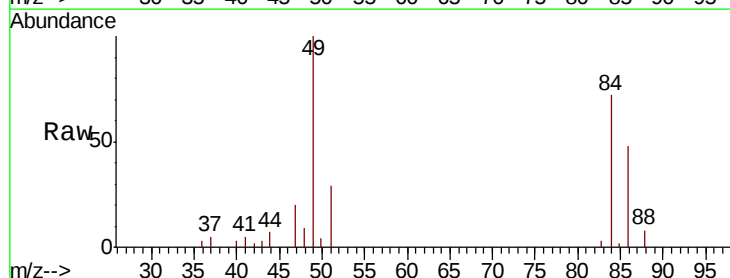


Abundance Ion 73.00 (72.70 to 73.70): VN059591.D (-914) (-)
Ion 57.00 (56.70 to 57.70): VN059591.D (-914) (-)

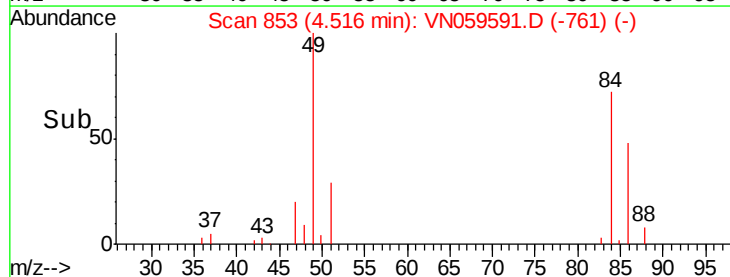
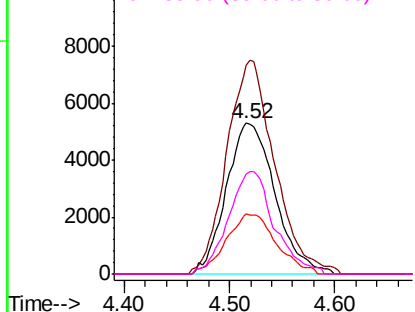


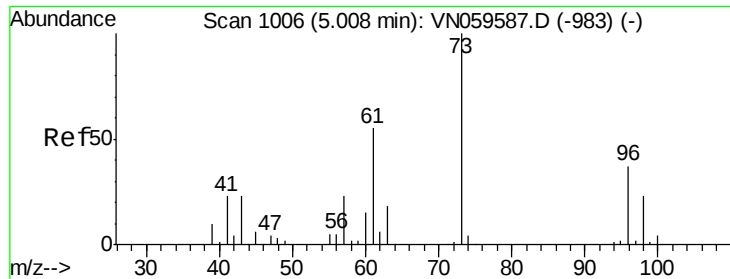
#20
Methylene Chloride
Concen: 4.990 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 84 Resp: 17014
Ion Ratio Lower Upper
84 100
49 138.4 106.6 160.0
51 39.7 31.9 47.9
86 66.2 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN059591.D (-761) (-)
Ion 48.90 (48.60 to 49.60): VN059591.D (-761) (-)
Ion 50.90 (50.60 to 51.60): VN059591.D (-761) (-)
Ion 85.90 (85.60 to 86.60): VN059591.D (-761) (-)

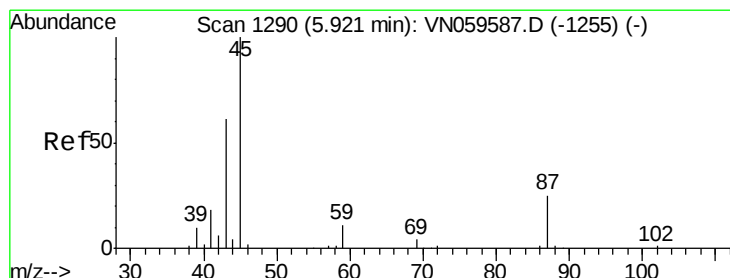
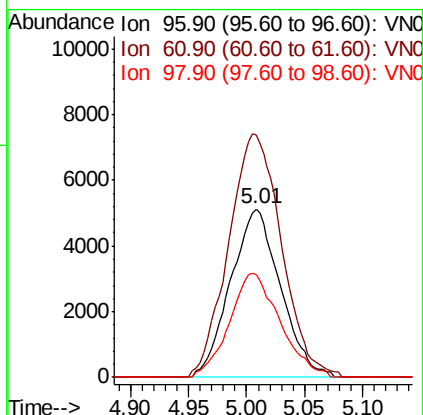
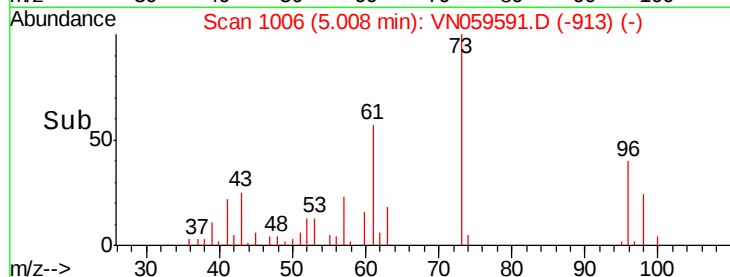
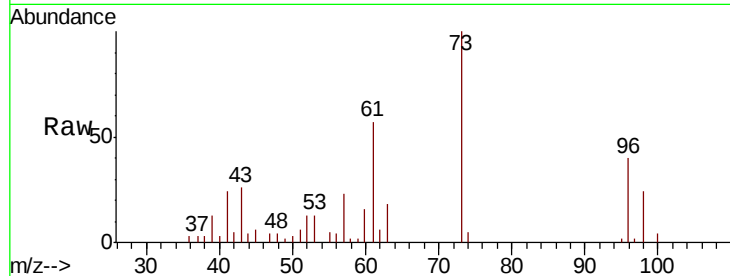




#21
trans-1,2-Dichloroethene
Concen: 5.340 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

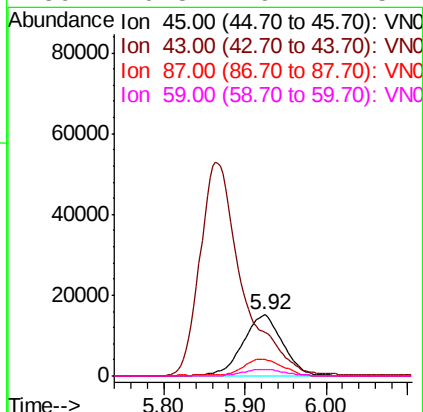
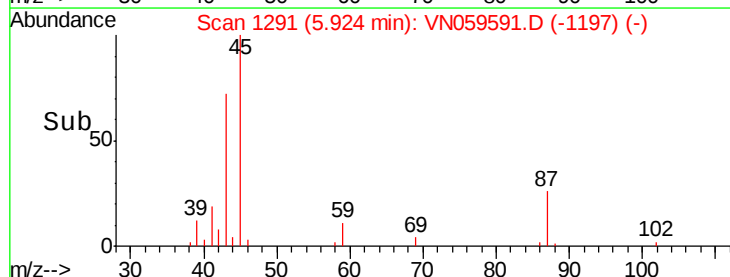
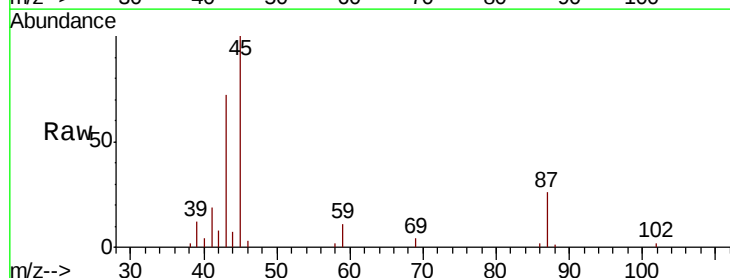
Instrument :
MSVOA_N
ClientSampled :

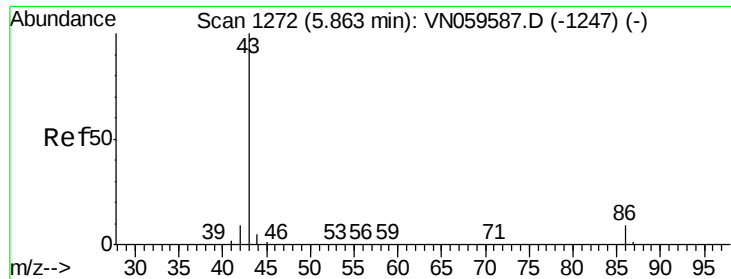
Tot Ion: 96 Resp: 15370
Ion Ratio Lower Upper
96 100
61 143.3 120.4 180.6
98 60.9 50.6 75.8



#22
Diisopropyl ether
Concen: 5.203 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 45 Resp: 51100
Ion Ratio Lower Upper
45 100
43 69.0 50.8 76.2
87 26.4 21.0 31.6
59 10.8 9.1 13.7





#23

Vinyl Acetate

Concen: 23.400 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

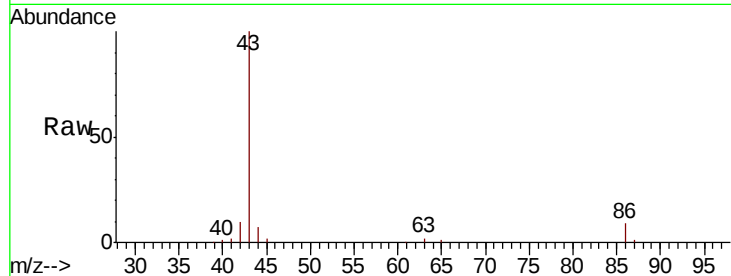
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 190339

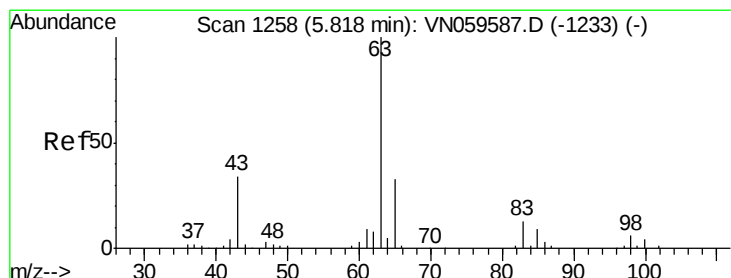
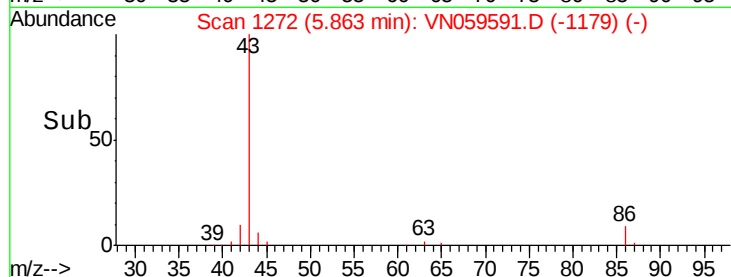
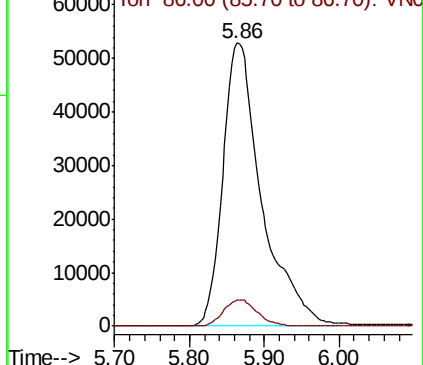
Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059591.D (-1179) (-)



#24

1,1-Dichloroethane

Concen: 5.401 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

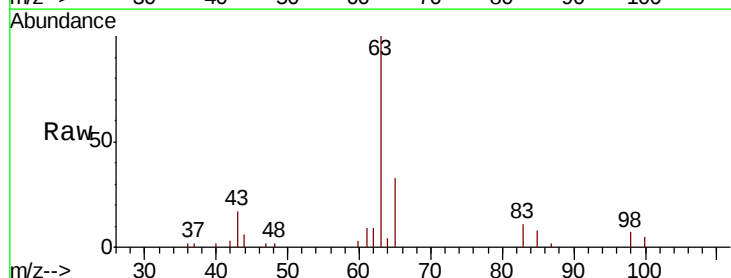
Tgt Ion: 63 Resp: 30148

Ion Ratio Lower Upper

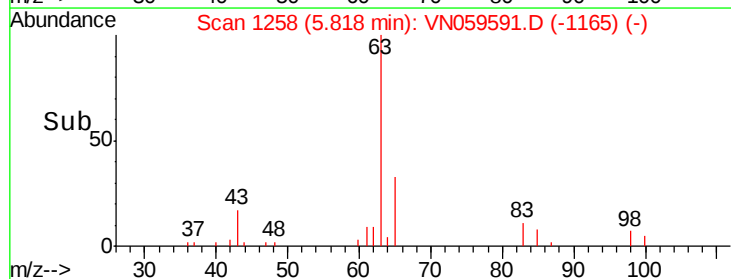
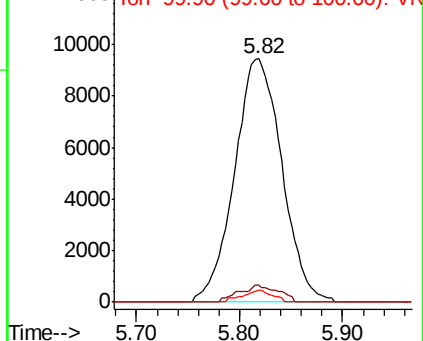
63 100

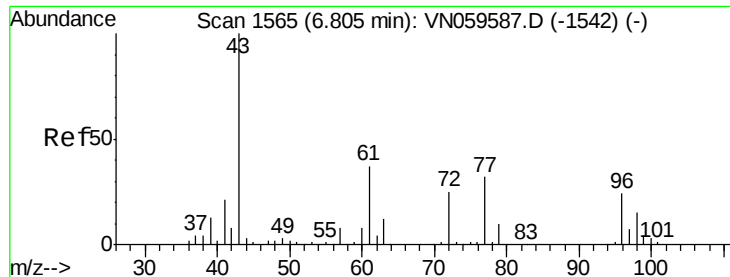
98 6.8 2.9 8.7

100 4.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059591.D (-1165) (-)





#25

2-Butanone

Concen: 28.024 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

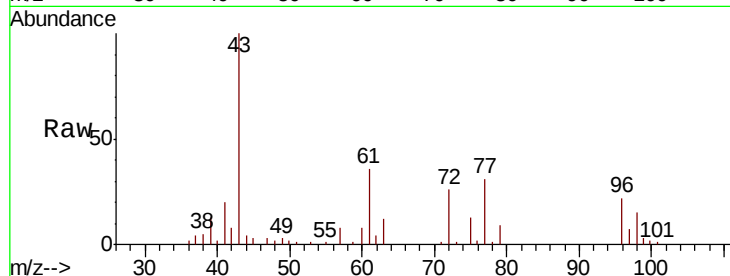
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 64704

Ion Ratio Lower Upper

43 100

72 25.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059591.D (-1472) (-)

Ion 72.00 (71.70 to 72.70): VN059591.D (-1472) (-)

6.81

25000

20000

15000

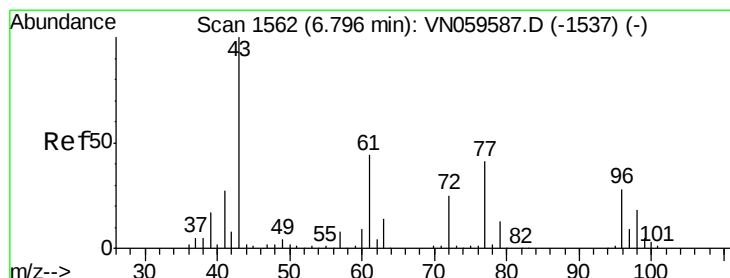
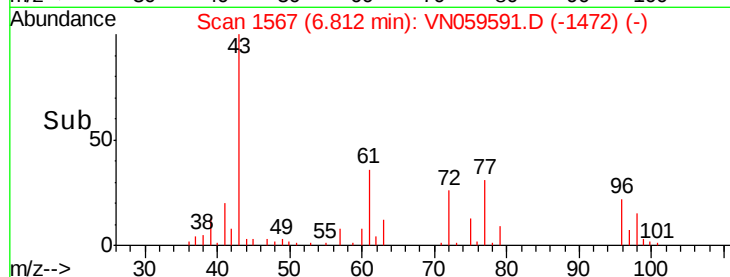
10000

5000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 5.457 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059591.D

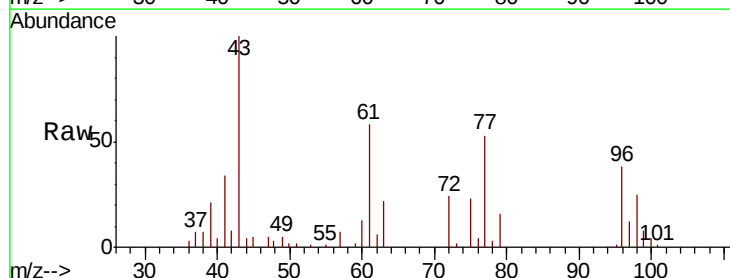
Acq: 13 Dec 2019 18:12

Tgt Ion: 77 Resp: 27540

Ion Ratio Lower Upper

77 100

97 20.0 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059591.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059591.D (-1469) (-)

6.80

10000

8000

6000

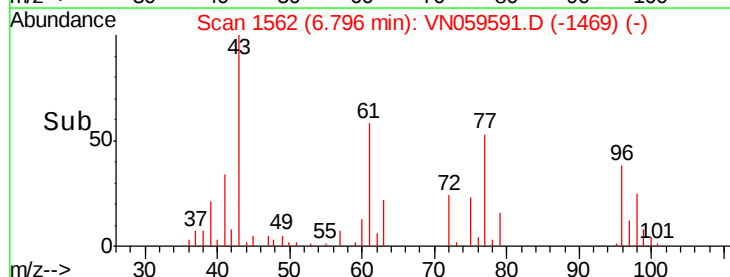
4000

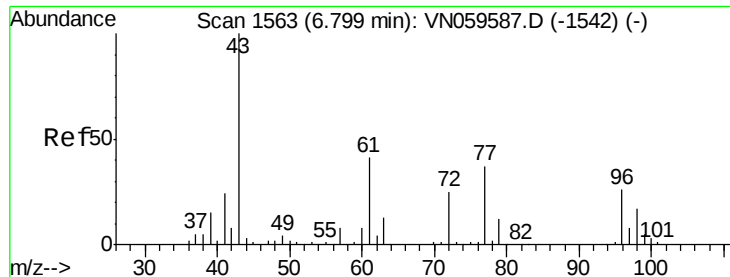
2000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 5.371 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

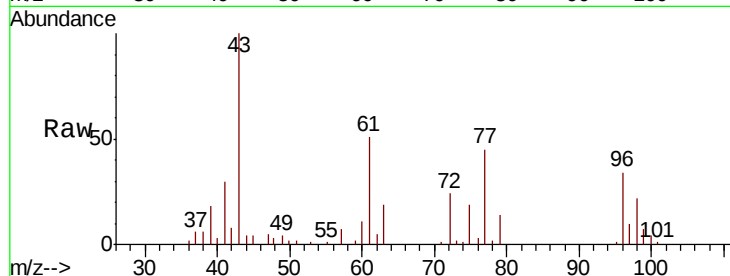
Tot Ion: 96 Resp: 17411

Ion Ratio Lower Upper

96 100

61 159.9 0.0 317.6

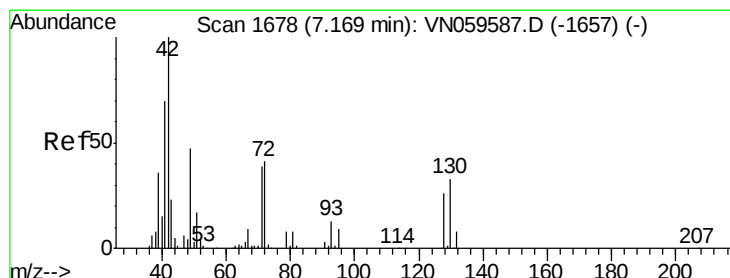
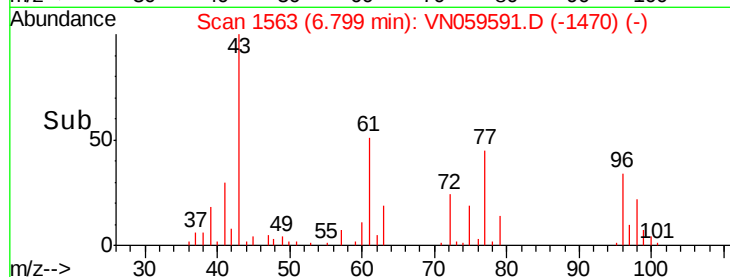
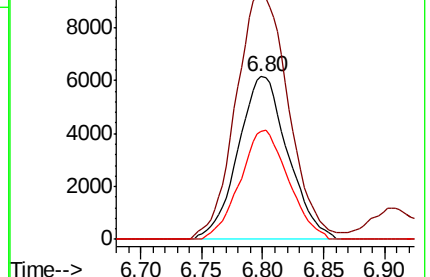
98 65.1 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1542) (-)



#28

Bromochloromethane

Concen: 3.198 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

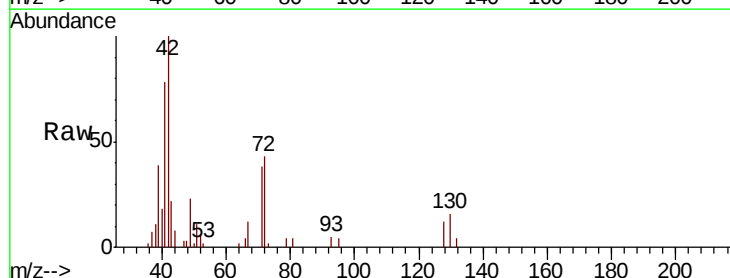
Tgt Ion: 49 Resp: 5814

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

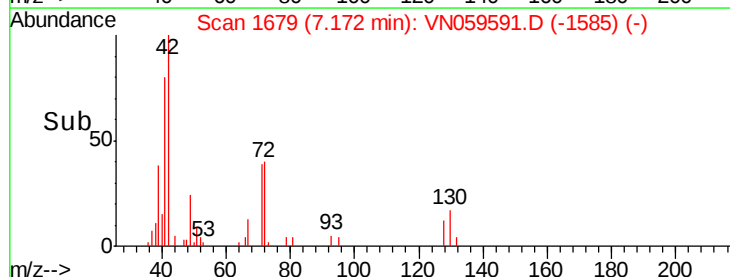
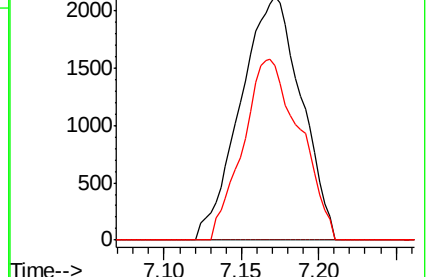
130 69.6 54.7 82.1

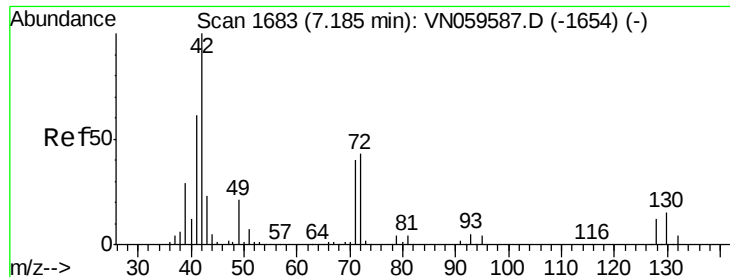


Abundance Ion 48.90 (48.60 to 49.60): VN059587.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059587.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059587.D (-1657) (-)

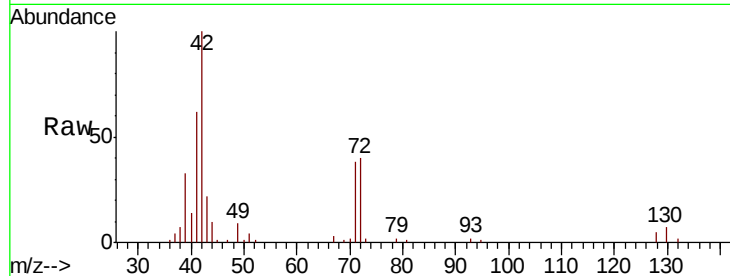




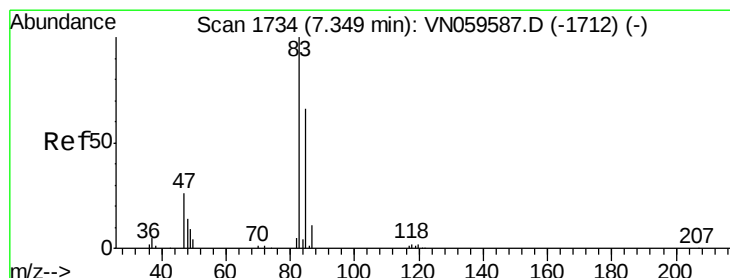
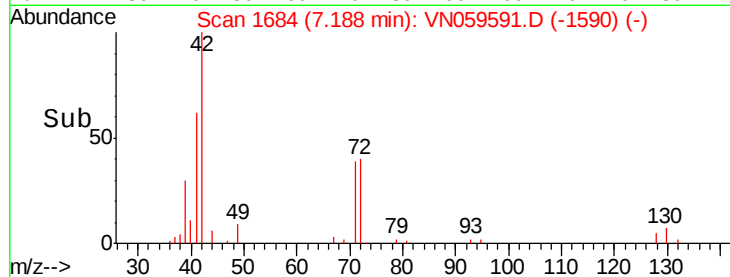
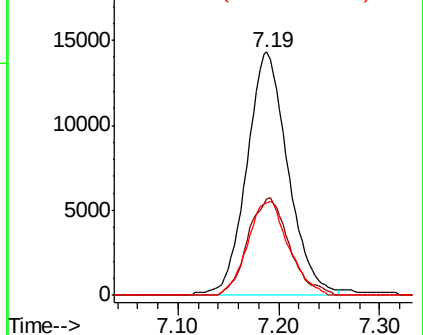
#29
Tetrahydrofuran
Concen: 25.718 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 40515
Ion Ratio Lower Upper
42 100
72 40.1 33.1 49.7
71 38.4 31.4 47.0

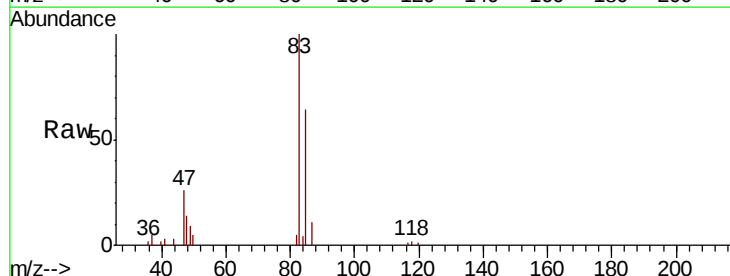


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

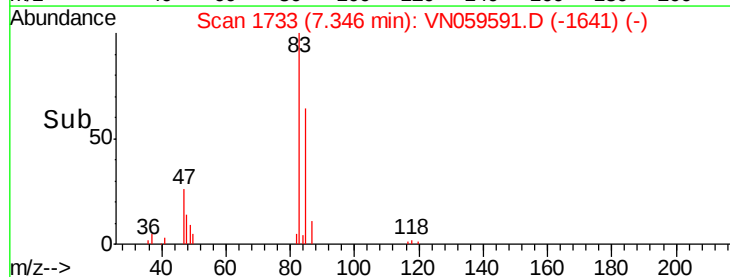
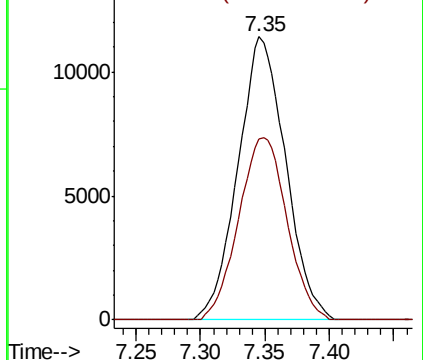


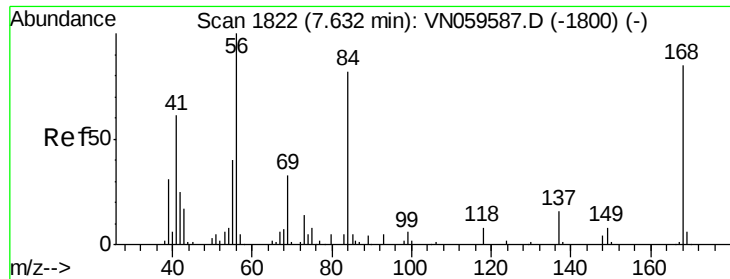
#30
Chloroform
Concen: 5.339 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 83 Resp: 29394
Ion Ratio Lower Upper
83 100
85 63.8 52.4 78.6



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

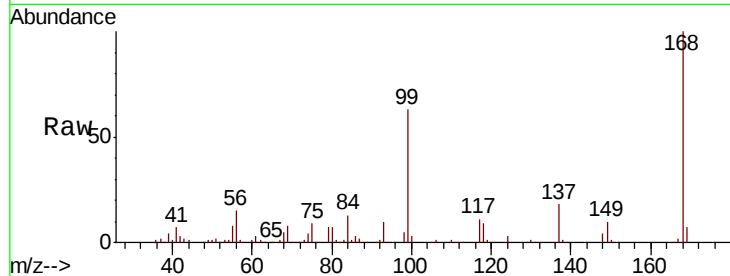




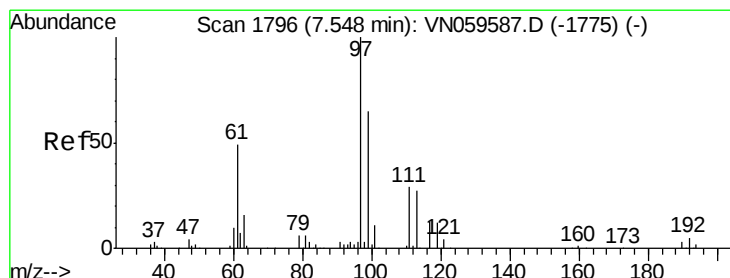
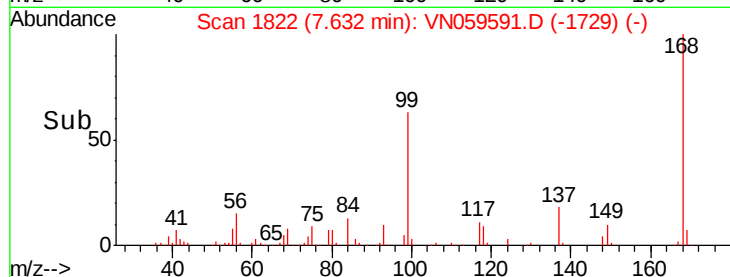
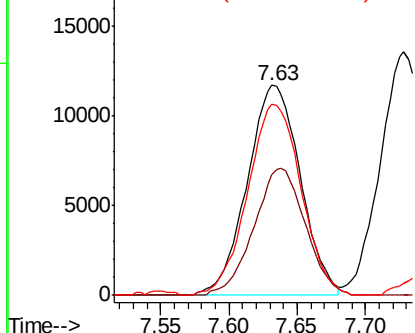
#31
Cyclohexane
Concen: 5.831 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 31642
Ion Ratio Lower Upper
56 100
69 57.5 26.5 39.7#
84 91.3 65.3 97.9

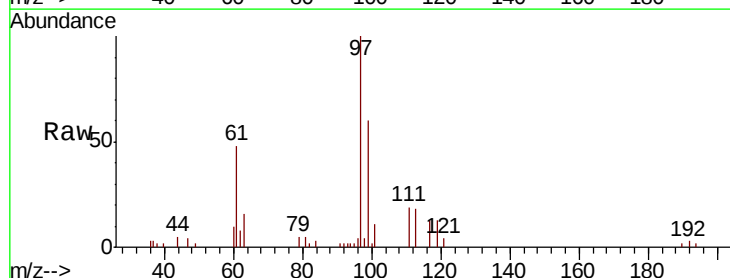


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

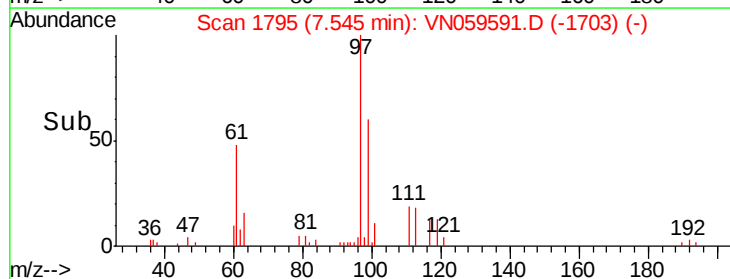
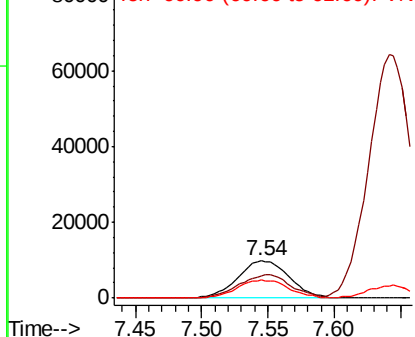


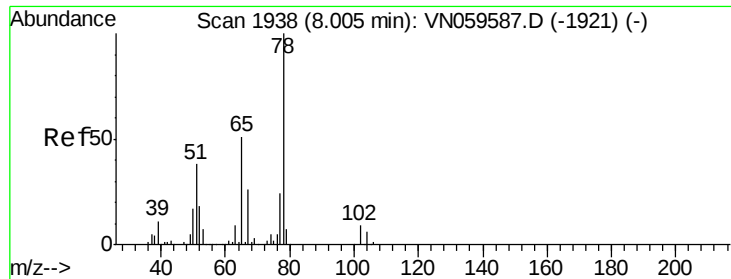
#32
1,1,1-Trichloroethane
Concen: 5.409 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 97 Resp: 26429
Ion Ratio Lower Upper
97 100
99 63.0 51.0 76.4
61 48.7 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

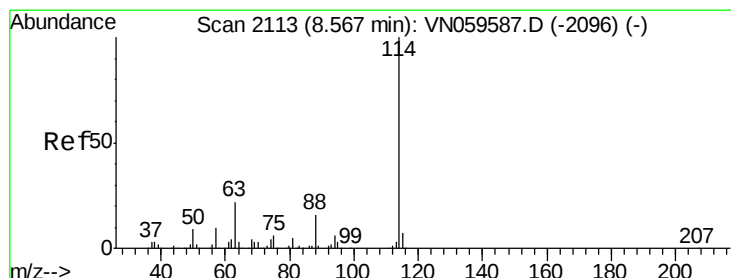
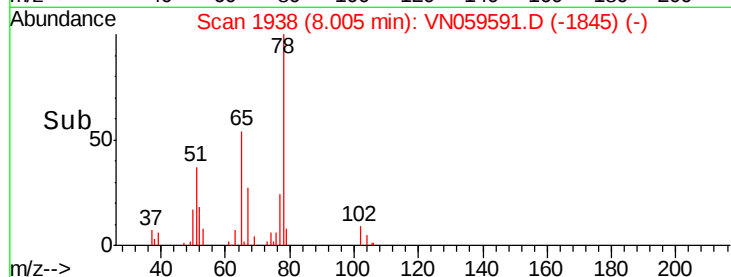
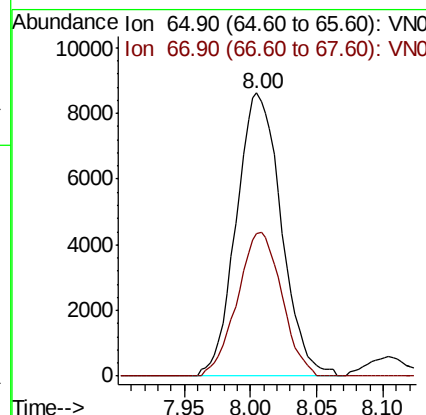
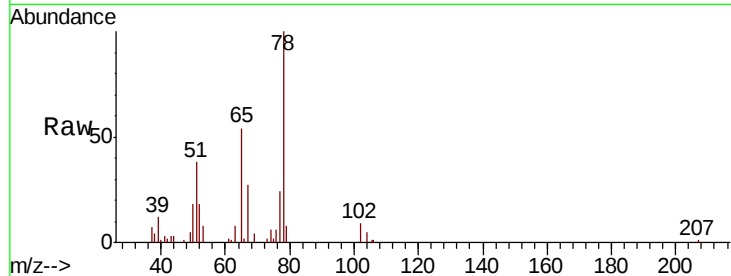




#33
 1,2-Dichloroethane-d4
 Concen: 5.601 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

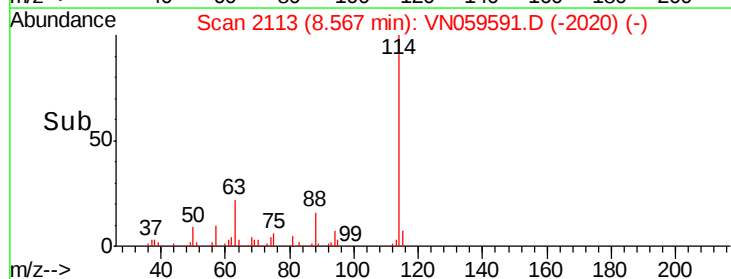
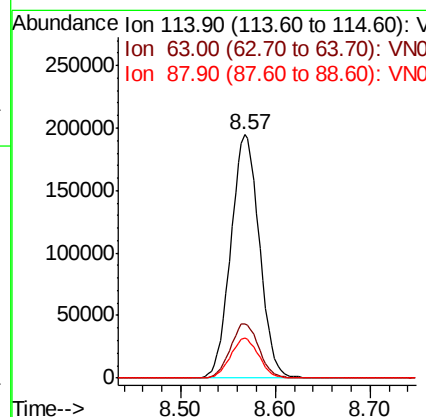
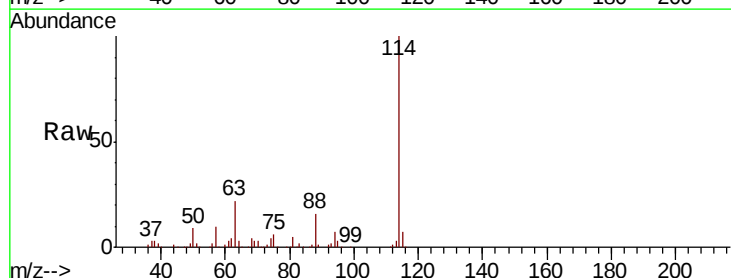
Instrument :
 MSVOA_N
 ClientSampleId :

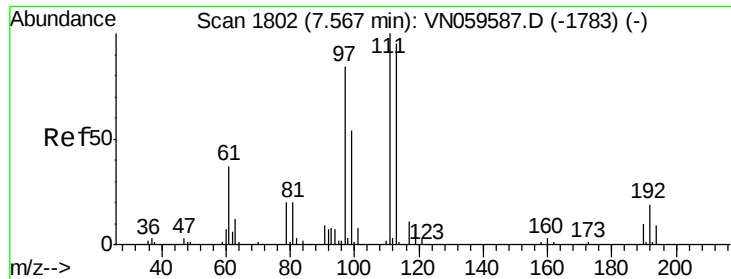
Tot Ion: 65 Resp: 20282
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion: 114 Resp: 408213
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.6
 88 16.3 0.0 31.4

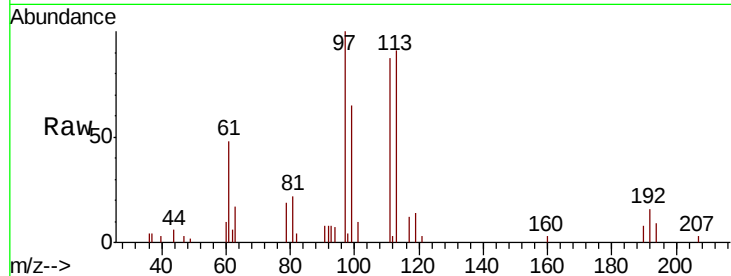




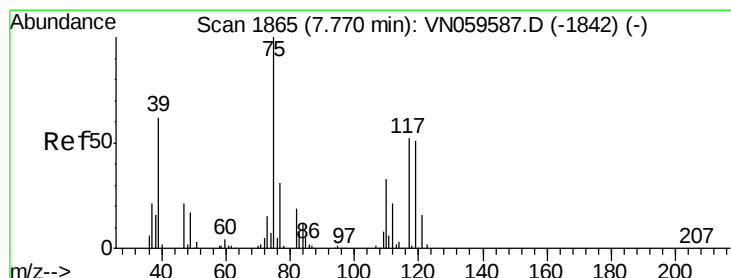
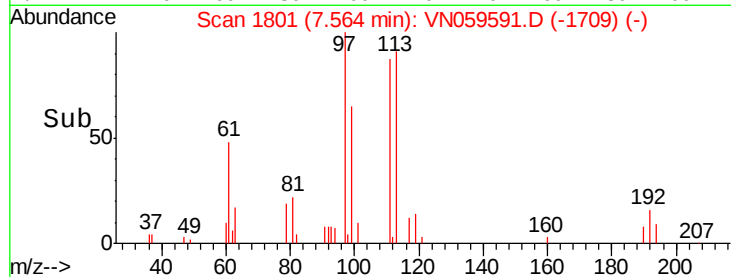
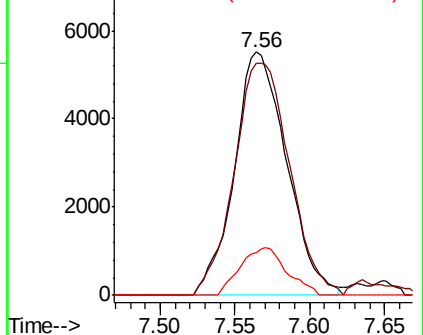
#35
 Dibromofluoromethane
 Concen: 5.418 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 13430
 Ion Ratio Lower Upper
 113 100
 111 100.8 83.5 125.3
 192 17.5 15.4 23.2

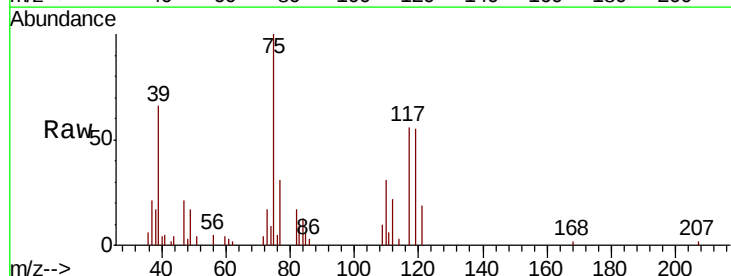


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

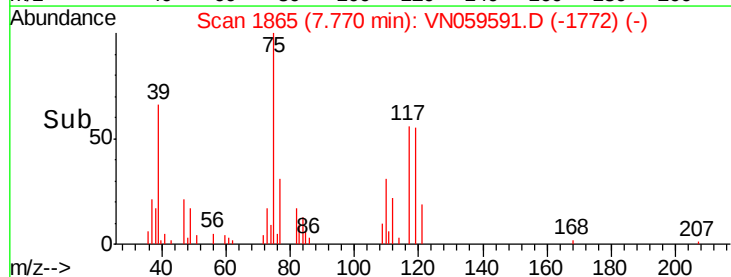
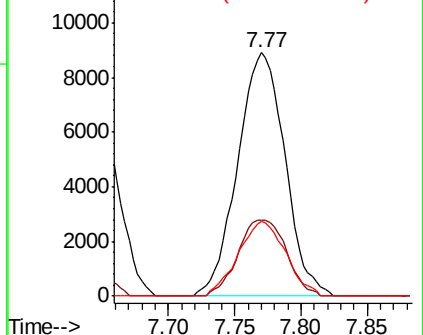


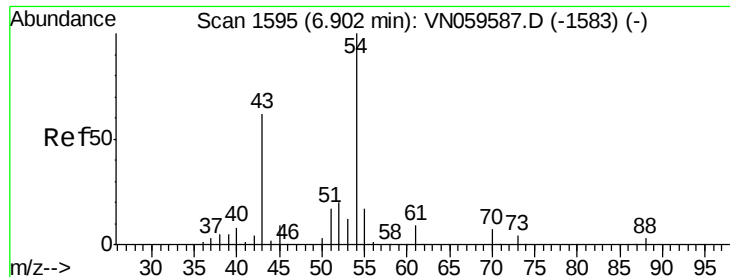
#36
 1,1-Dichloropropene
 Concen: 5.214 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion: 75 Resp: 22174
 Ion Ratio Lower Upper
 75 100
 110 31.8 16.6 49.7
 77 30.6 25.1 37.7



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

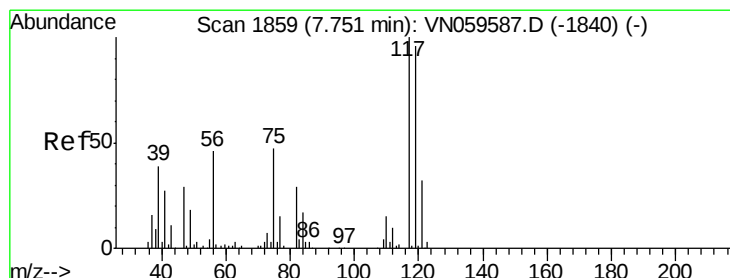
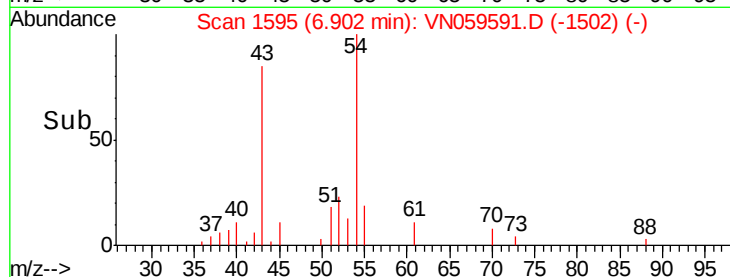
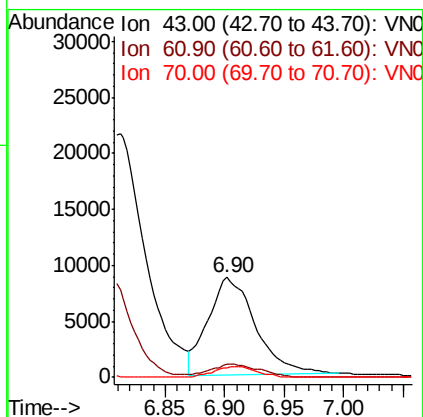
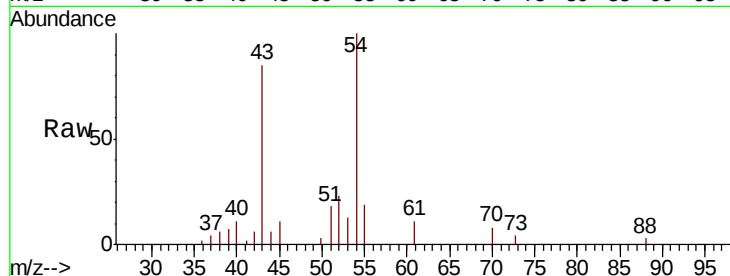




#37
Ethyl Acetate
Concen: 5.460 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

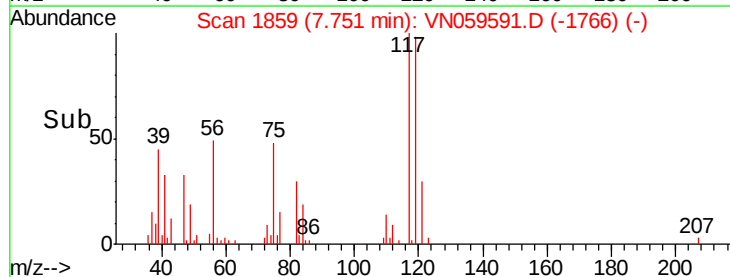
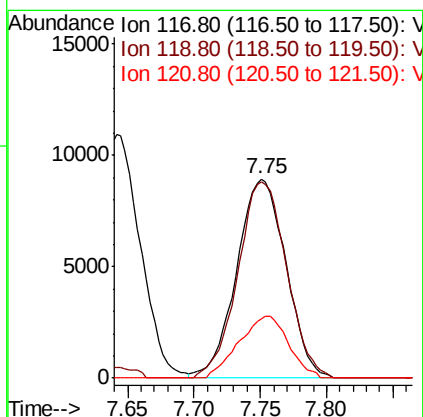
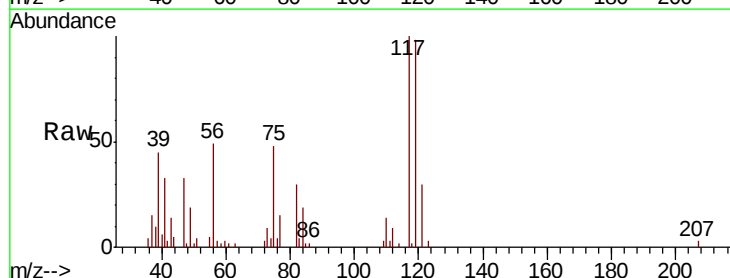
Instrument :
MSVOA_N
ClientSampled :

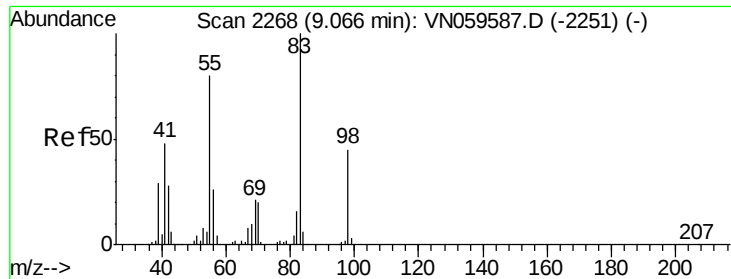
Tot Ion: 43 Resp: 24199
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 9.9 7.7 11.5



#38
Carbon Tetrachloride
Concen: 5.495 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 117 Resp: 23096
Ion Ratio Lower Upper
117 100
119 98.4 76.5 114.7
121 30.1 25.1 37.7

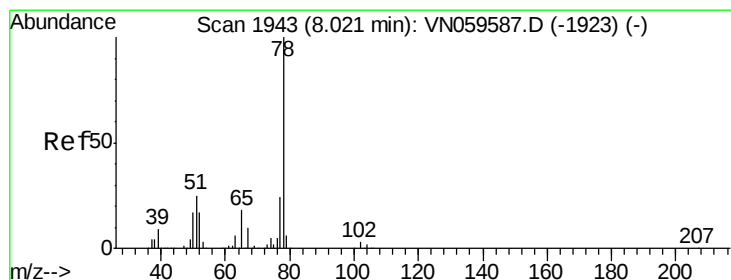
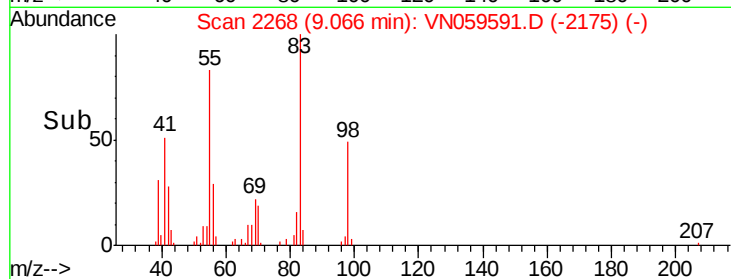
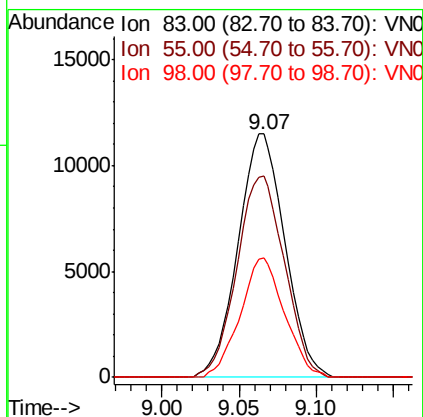
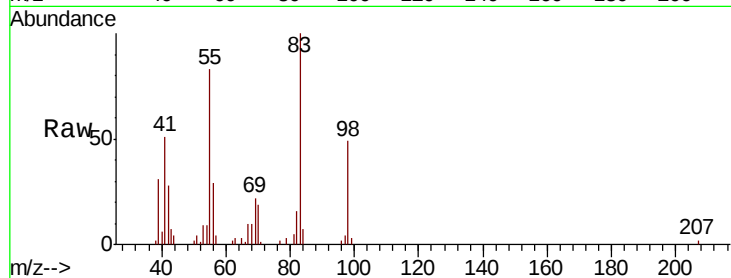




#39
Methvlcvclohexane
Concen: 5.079 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

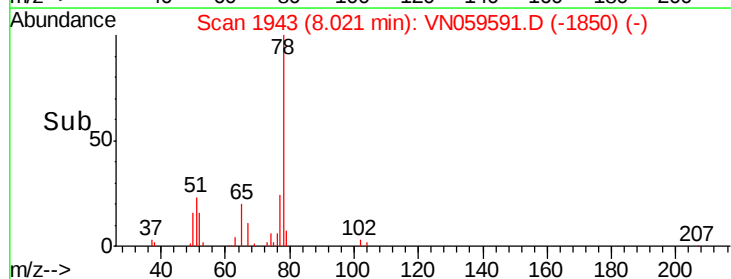
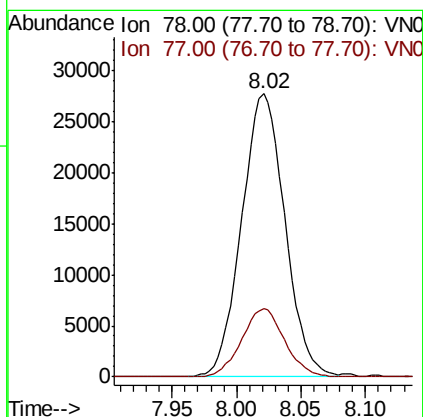
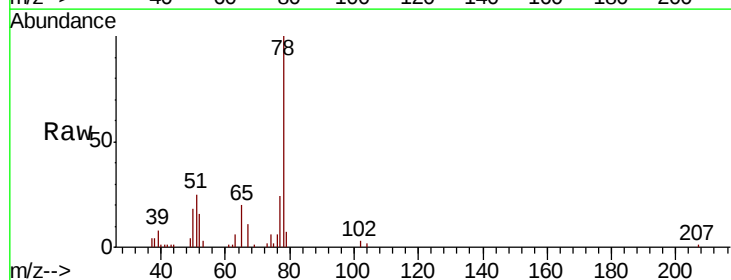
Instrument :
MSVOA_N
ClientSampled :

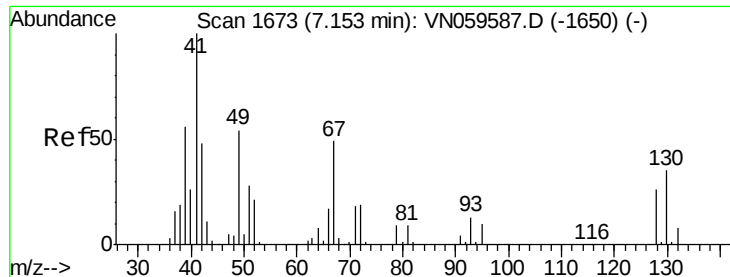
Tot Ion: 83 Resp: 24201
Ion Ratio Lower Upper
83 100
55 82.7 64.2 96.2
98 48.9 35.9 53.9



#40
Benzene
Concen: 5.326 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 78 Resp: 64843
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3





#41

Methacrylonitrile

Concen: 18.050 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.04 min

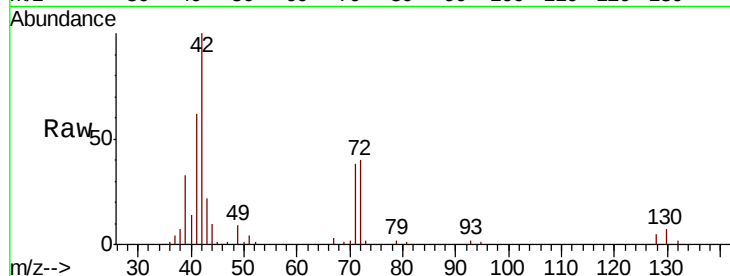
Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

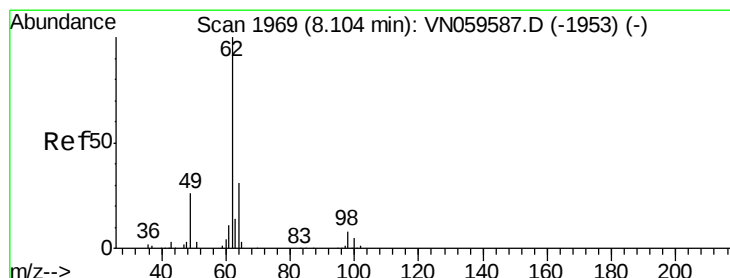
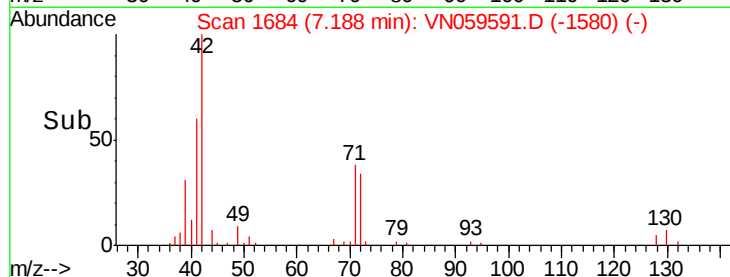
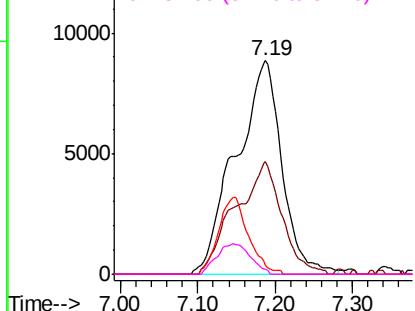
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 36862

Ion	Ratio	Lower	Upper
41	100		
39	53.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	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: 5.613 ug/l

RT: 8.10 min Scan# 1969

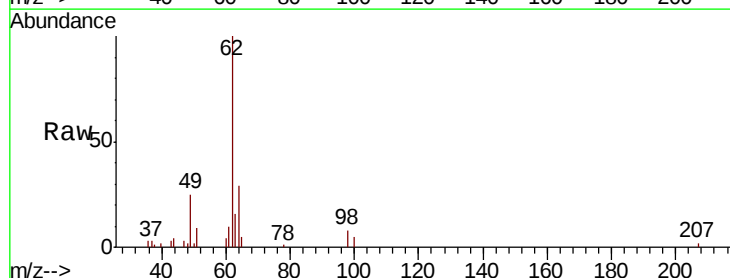
Delta R.T. 0.00 min

Lab File: VN059591.D

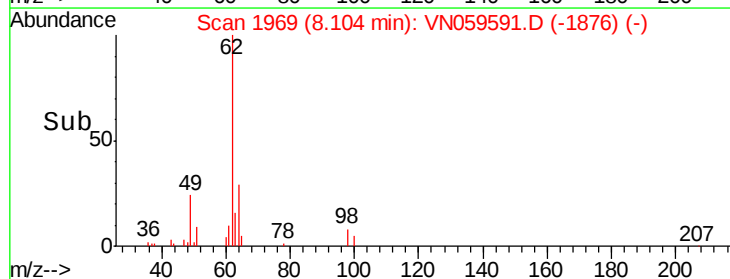
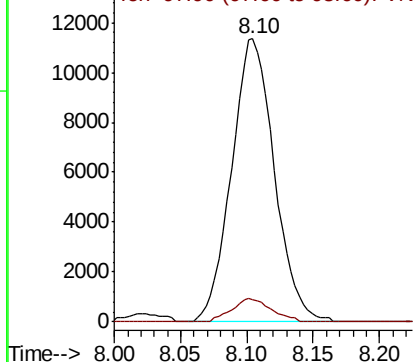
Acq: 13 Dec 2019 18:12

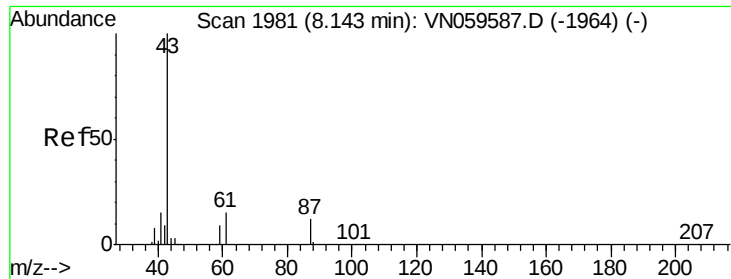
Tgt Ion: 62 Resp: 25512

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8



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

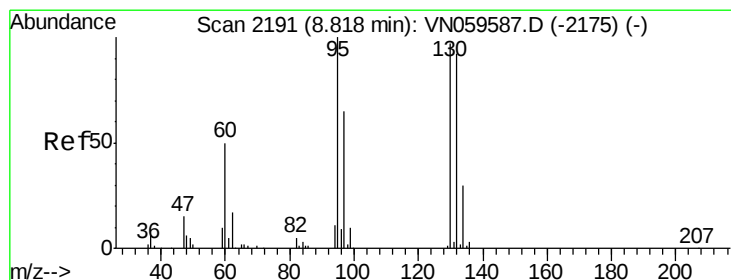
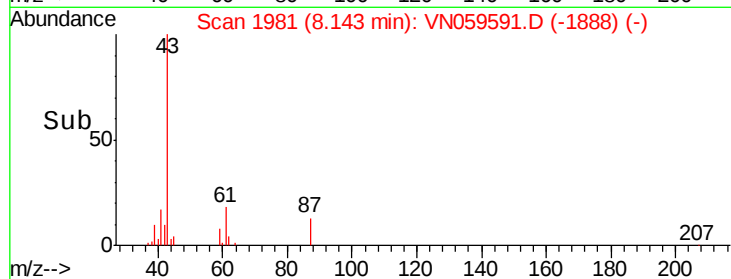
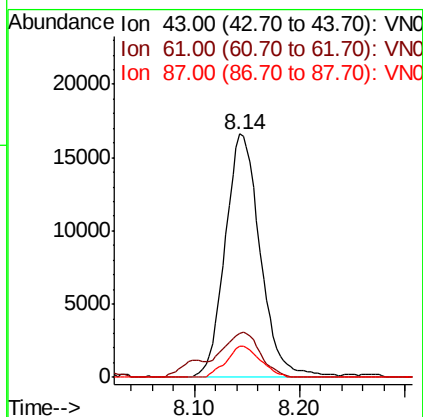
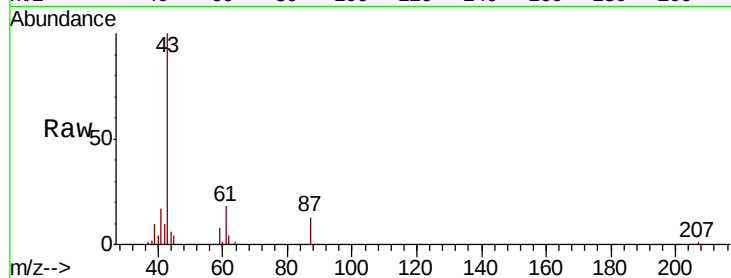




#43
Isopropyl Acetate
Concen: 5.202 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

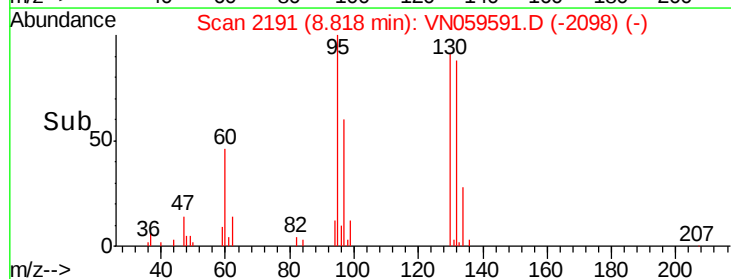
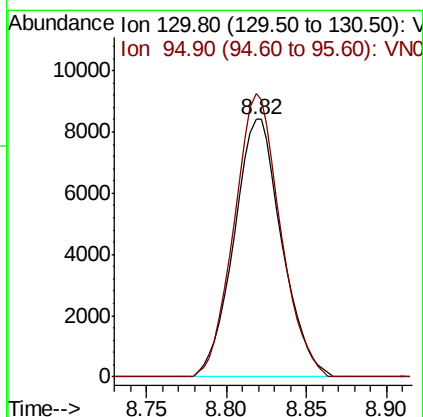
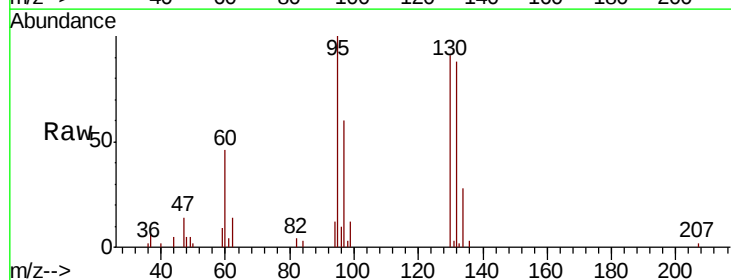
Instrument :
MSVOA_N
ClientSampled :

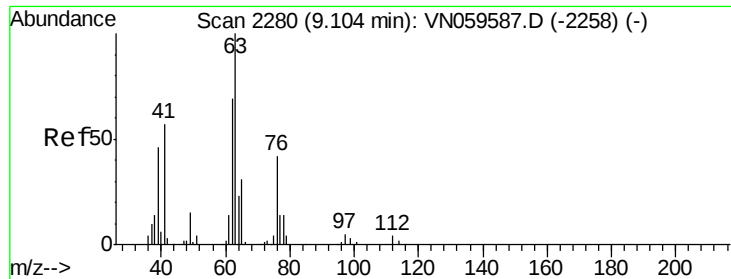
Tot Ion: 43 Resp: 38336
Ion Ratio Lower Upper
43 100
61 19.7 20.2 30.2#
87 12.4 9.5 14.3



#44
Trichloroethene
Concen: 5.559 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion:130 Resp: 17152
Ion Ratio Lower Upper
130 100
95 109.8 0.0 207.0





#45

1,2-Dichloropropane

Concen: 5.386 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

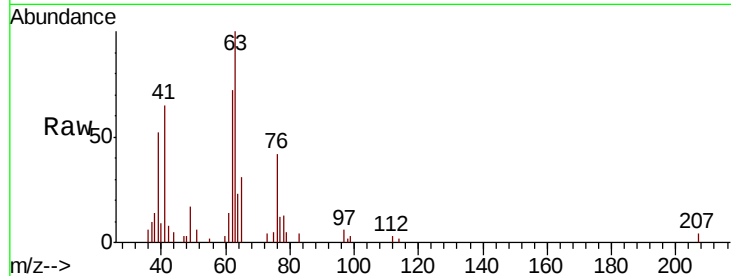
ClientSampled :

Tot Ion: 63 Resp: 17362

Ion Ratio Lower Upper

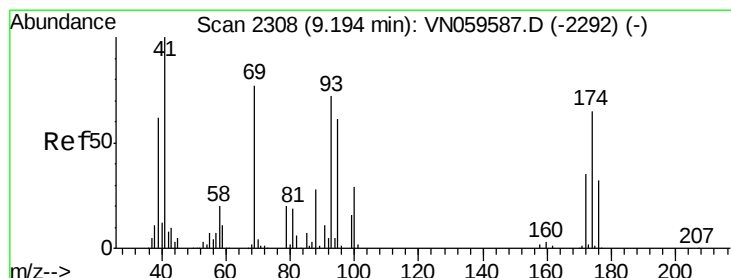
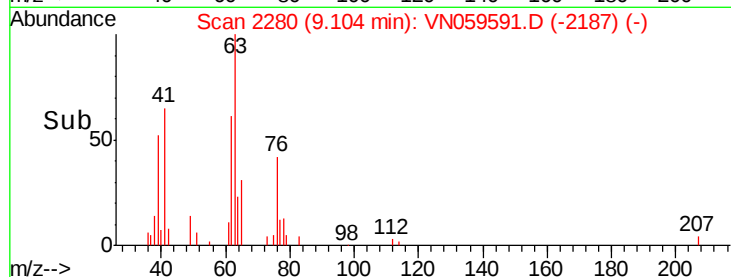
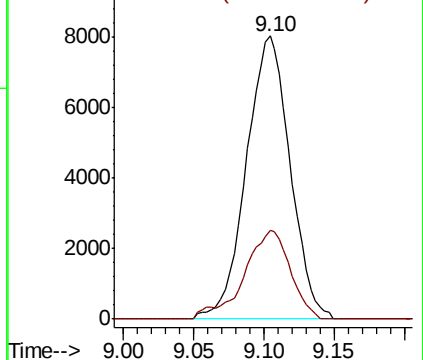
63 100

65 31.2 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.407 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

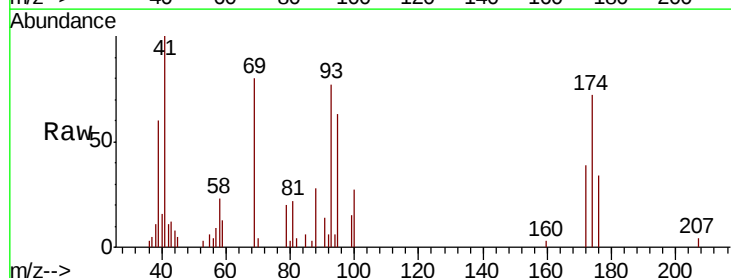
Tgt Ion: 93 Resp: 11549

Ion Ratio Lower Upper

93 100

95 80.7 67.0 100.6

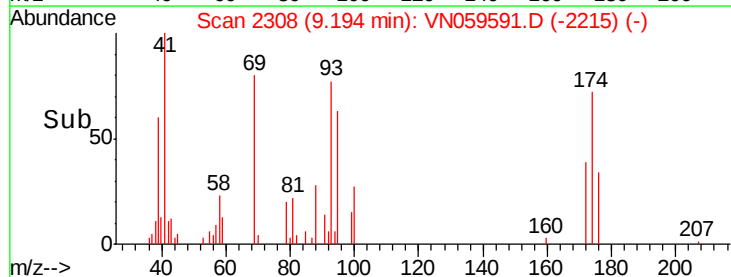
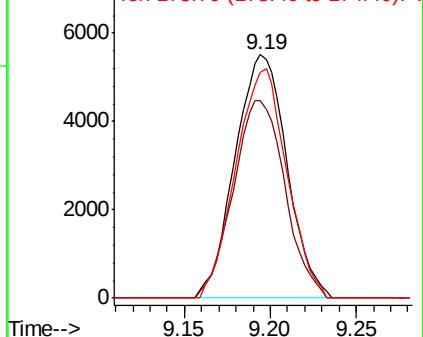
174 92.2 73.4 110.2

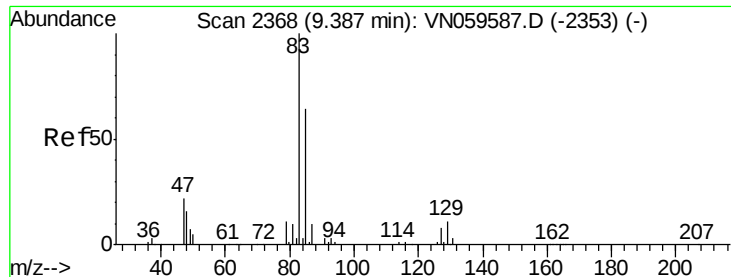


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.376 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampled :

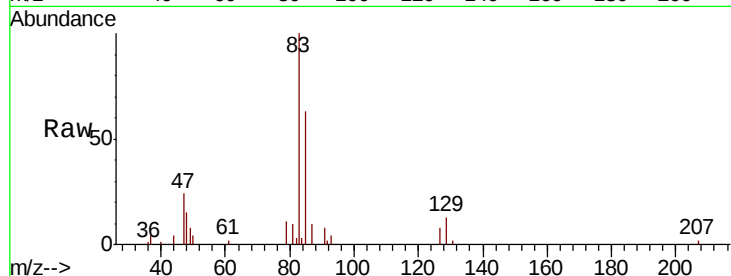
Tot Ion: 83 Resp: 22778

Ion Ratio Lower Upper

83 100

85 63.4 51.1 76.7

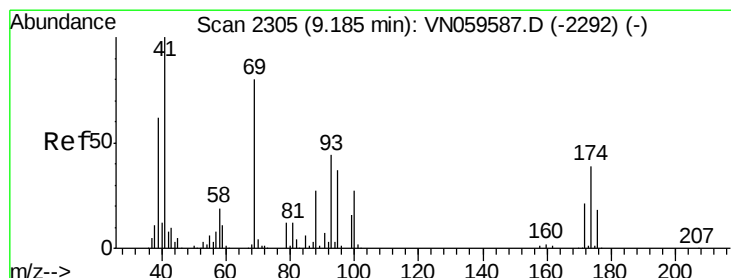
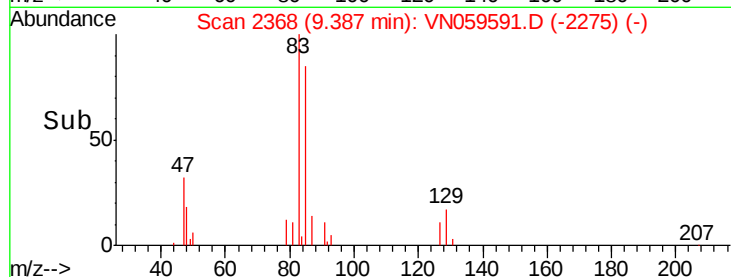
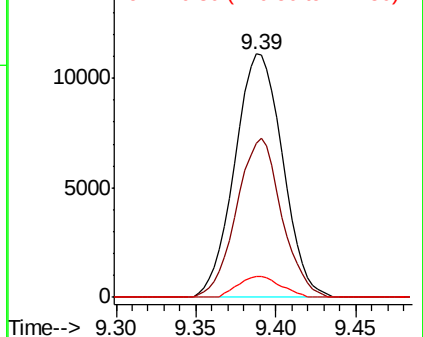
127 8.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059591.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059591.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059591.D (-2275) (-)



#48

Methyl methacrylate

Concen: 5.157 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

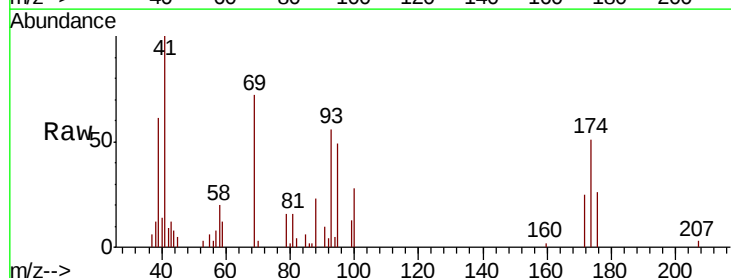
Tgt Ion: 41 Resp: 16683

Ion Ratio Lower Upper

41 100

69 76.6 64.4 96.6

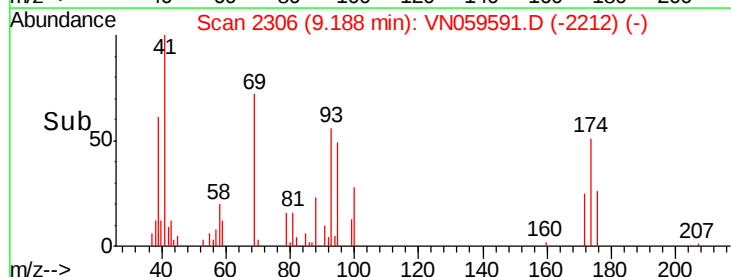
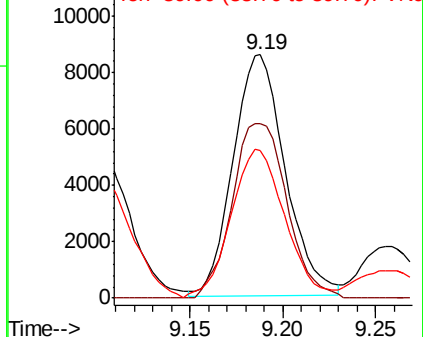
39 64.3 51.3 76.9

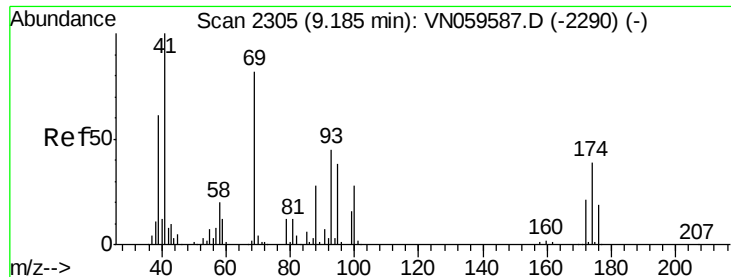


Abundance Ion 41.00 (40.70 to 41.70): VN059591.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059591.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059591.D (-2212) (-)

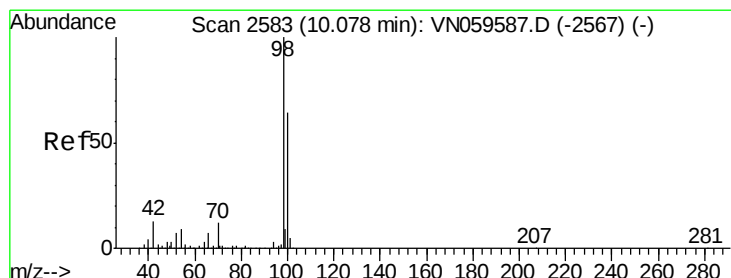
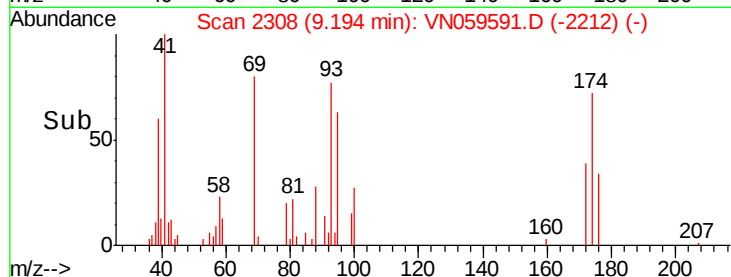
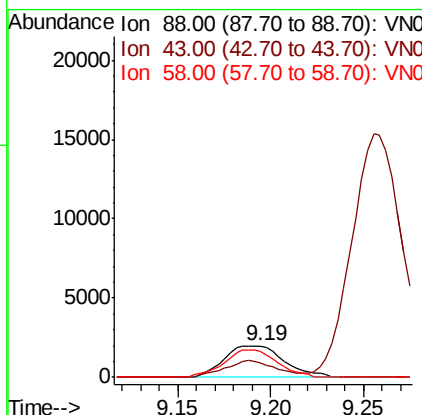
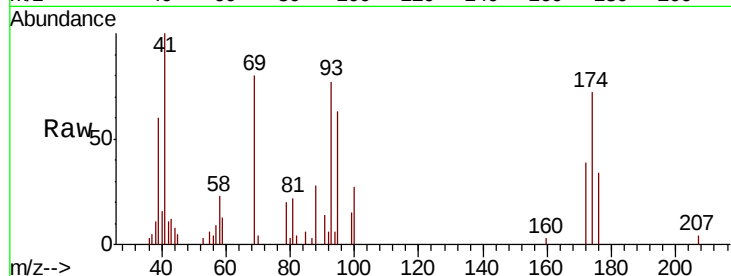




#49
1,4-Dioxane
Concen: 102.607 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

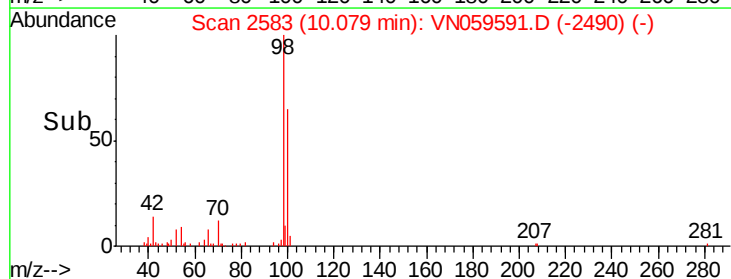
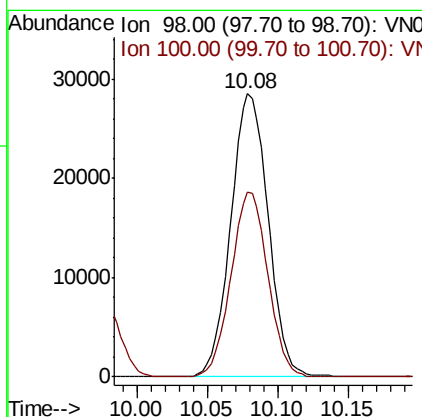
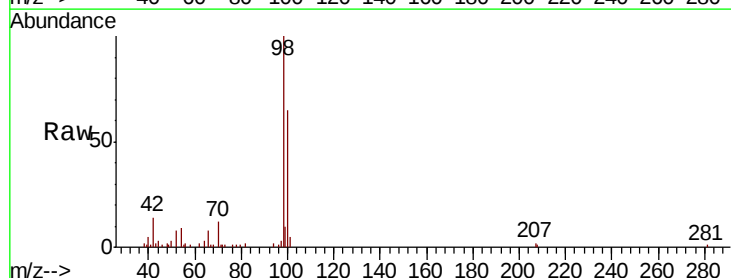
Instrument :
MSVOA_N
ClientSampled :

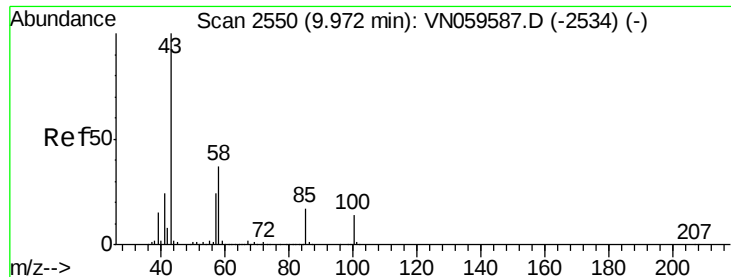
Tot Ion: 88 Resp: 4440
Ion Ratio Lower Upper
88 100
43 45.0 29.7 44.5#
58 78.0 56.6 85.0



#50
Toluene-d8
Concen: 5.198 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 98 Resp: 52977
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 26.133 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

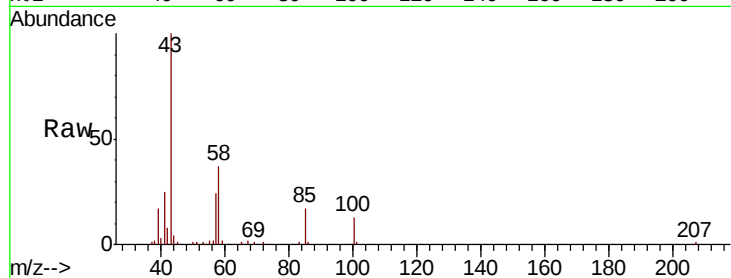
ClientSampleId :

Tot Ion: 43 Resp: 111960

Ion Ratio Lower Upper

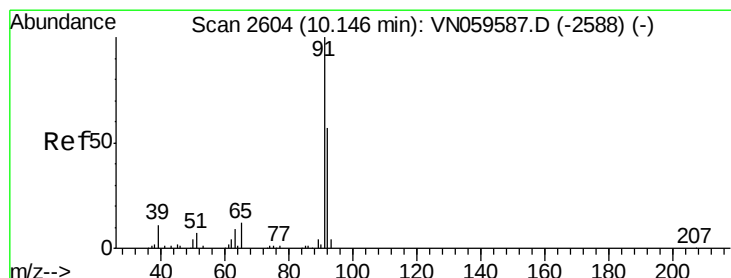
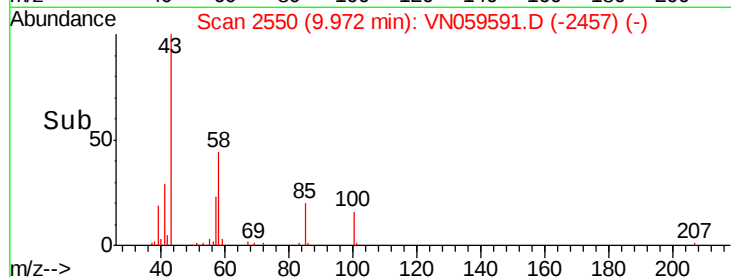
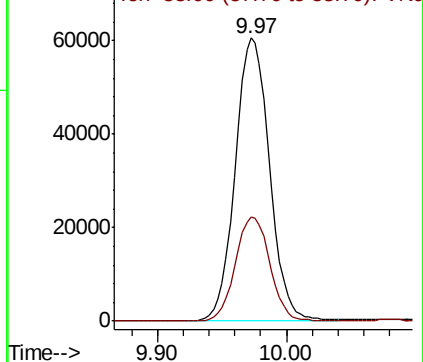
43 100

58 36.9 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.482 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059591.D

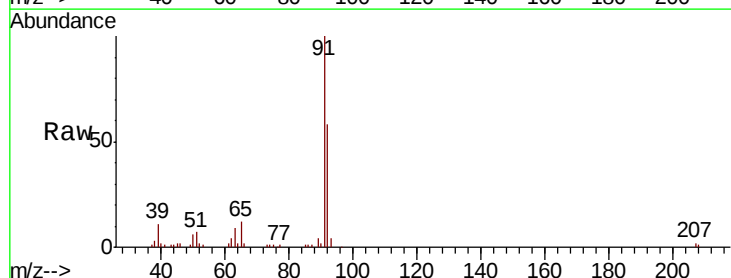
Acq: 13 Dec 2019 18:12

Tgt Ion: 92 Resp: 39827

Ion Ratio Lower Upper

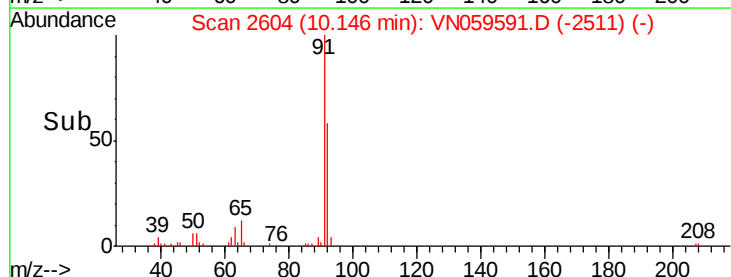
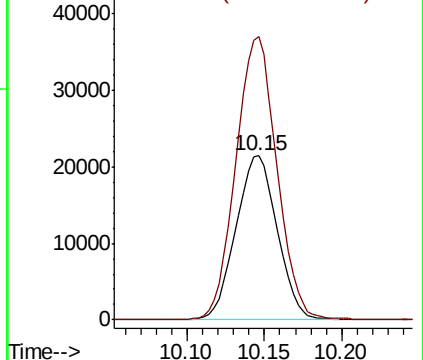
92 100

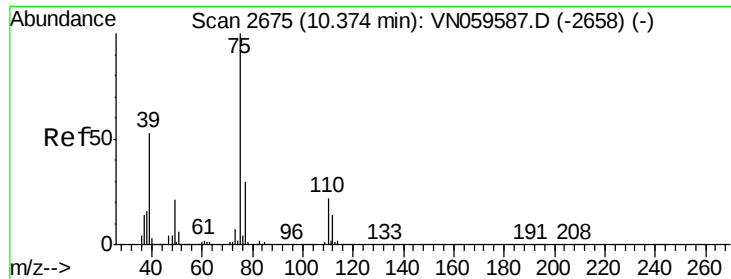
91 171.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 5.119 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

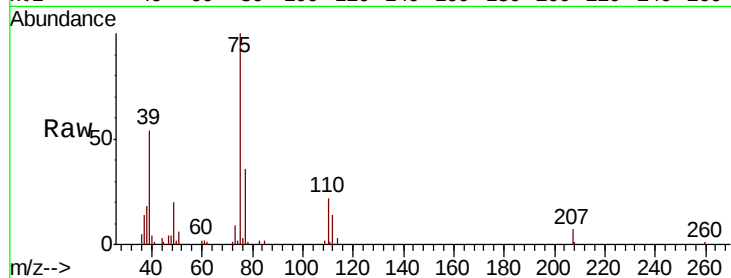
ClientSampleId :

Tot Ion: 75 Resp: 25306

Ion Ratio Lower Upper

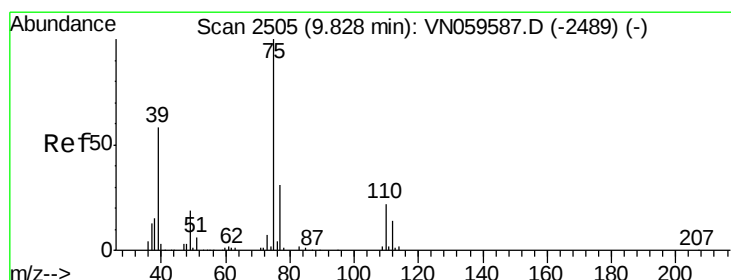
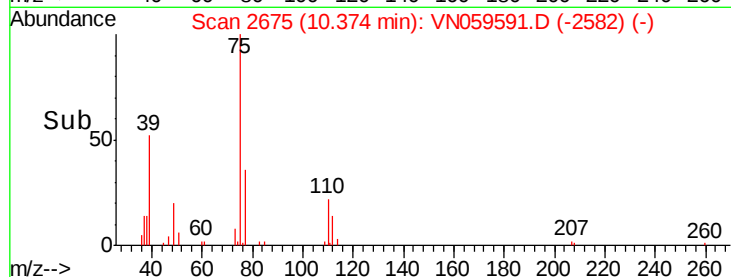
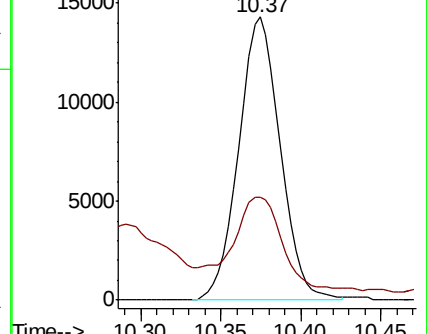
75 100

77 32.1 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.262 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

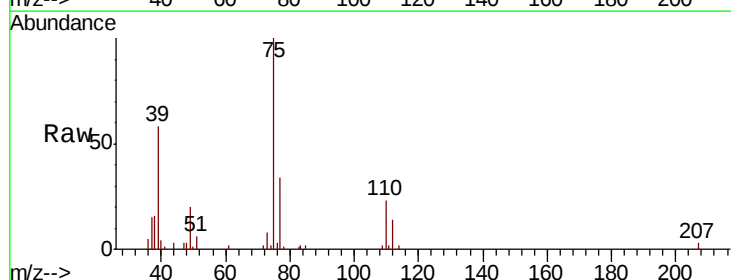
Tgt Ion: 75 Resp: 26661

Ion Ratio Lower Upper

75 100

77 34.0 25.1 37.7

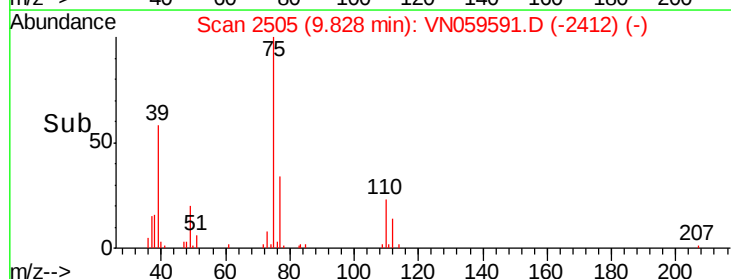
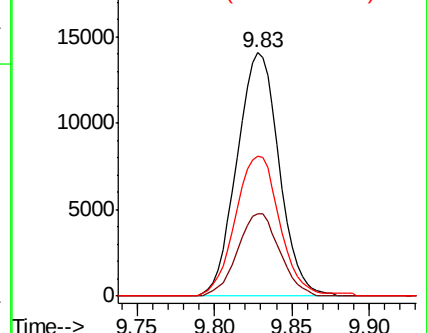
39 57.6 46.1 69.1

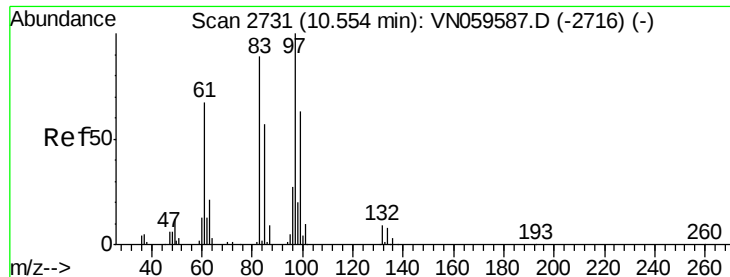


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 5.175 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 15209

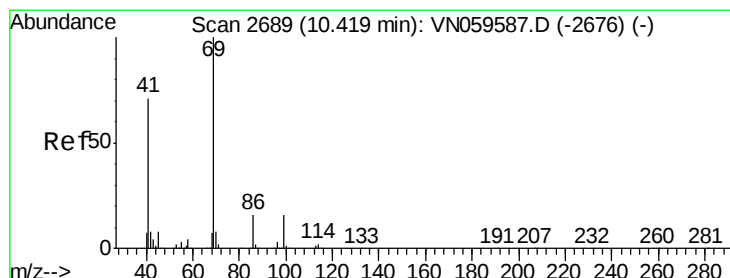
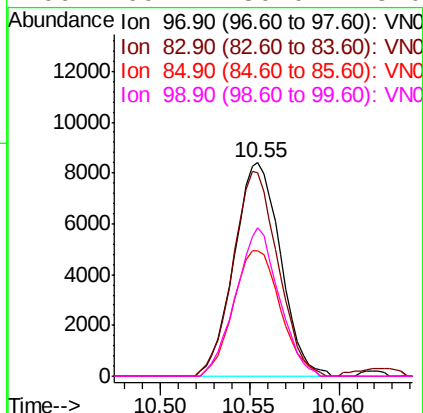
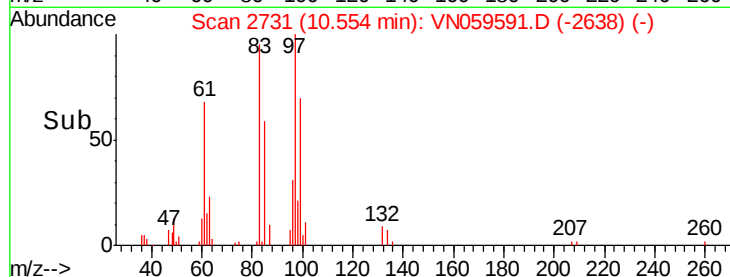
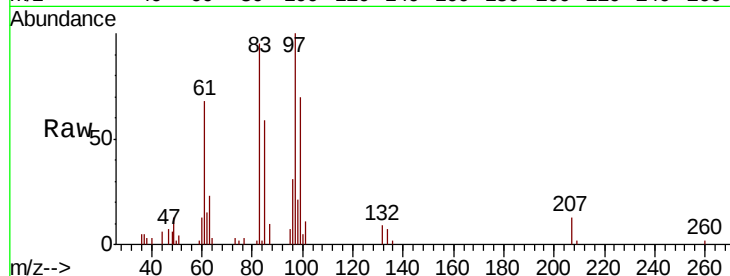
Ion	Ratio	Lower	Upper
97	100		
83	95.2	71.3	106.9
85	59.0	45.8	68.8
99	69.7	50.0	75.0

97 100

83 95.2 71.3 106.9

85 59.0 45.8 68.8

99 69.7 50.0 75.0



#56

Ethyl methacrylate

Concen: 4.495 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

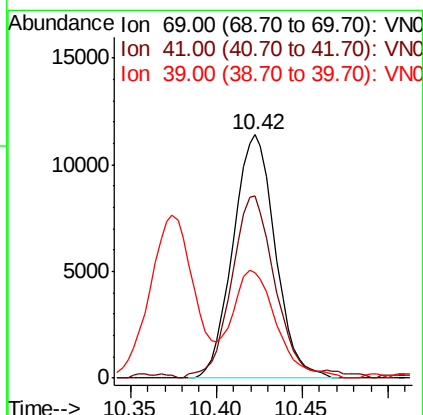
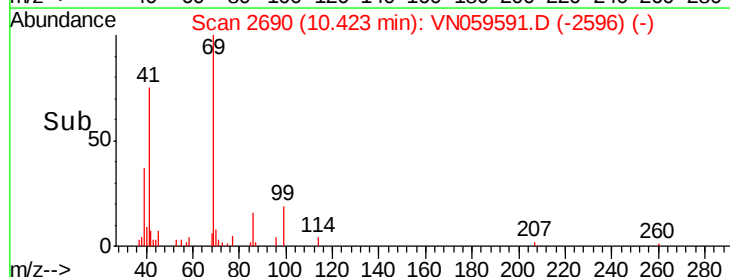
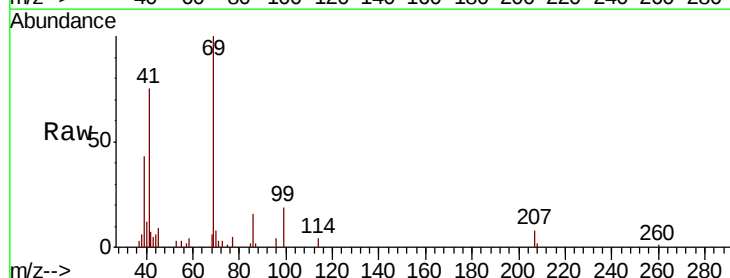
Tgt Ion: 69 Resp: 19525

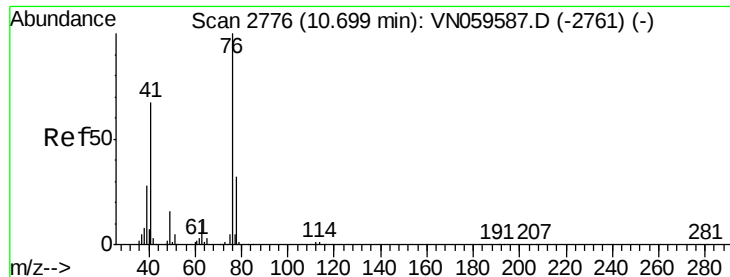
Ion	Ratio	Lower	Upper
69	100		
41	76.4	57.1	85.7
39	46.7	34.7	52.1

69 100

41 76.4 57.1 85.7

39 46.7 34.7 52.1





#57

1,3-Dichloropropane

Concen: 5.314 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

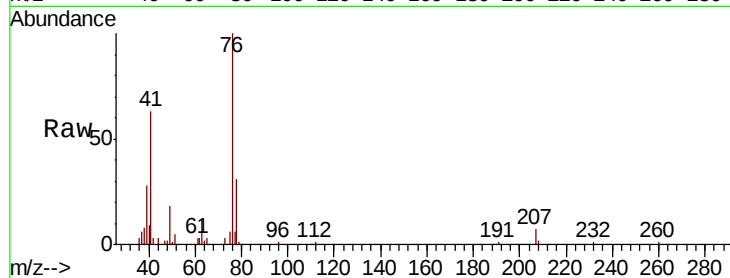
ClientSampled :

Tot Ion: 76 Resp: 26684

Ion Ratio Lower Upper

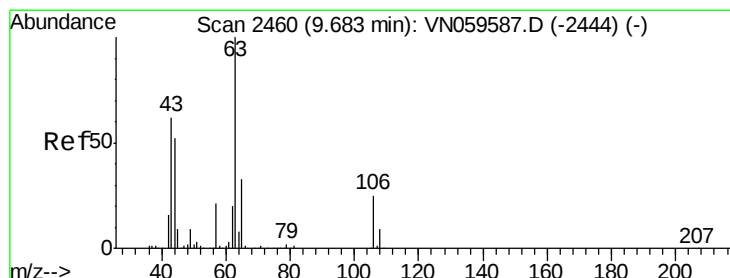
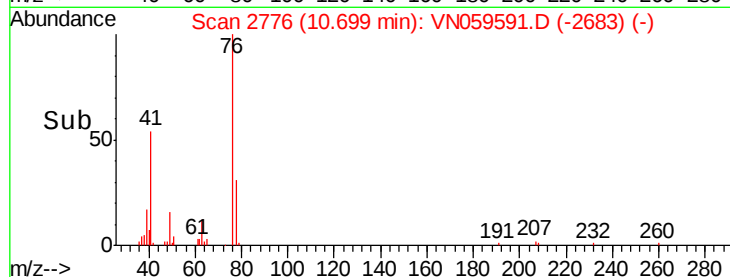
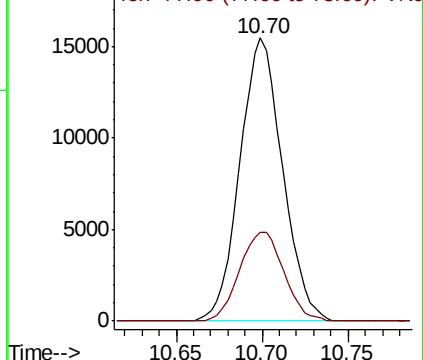
76 100

78 32.6 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: 27.504 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059591.D

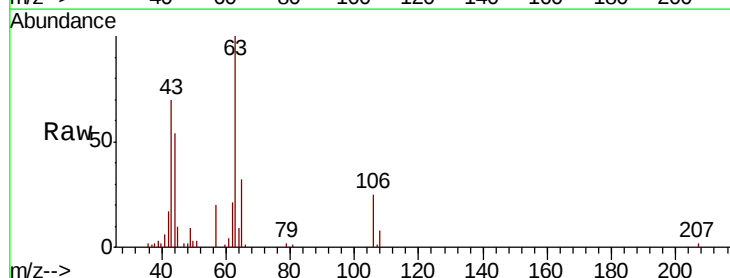
Acq: 13 Dec 2019 18:12

Tgt Ion: 63 Resp: 37833

Ion Ratio Lower Upper

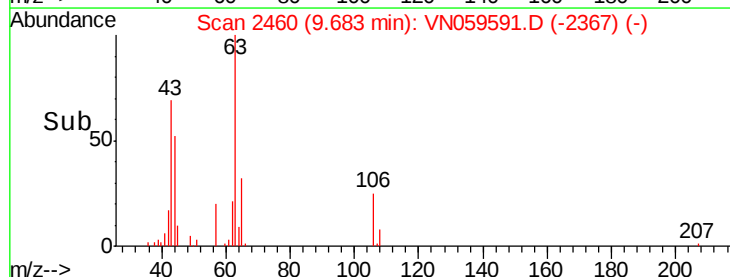
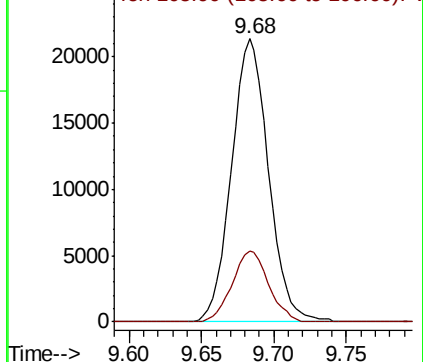
63 100

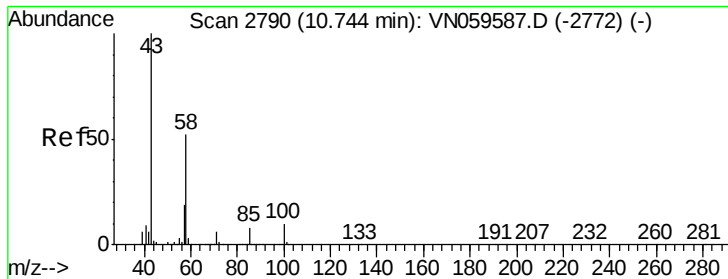
106 24.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

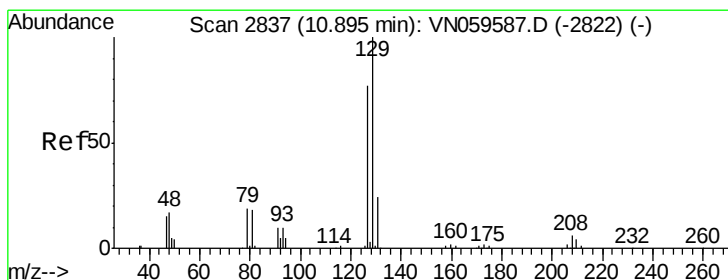
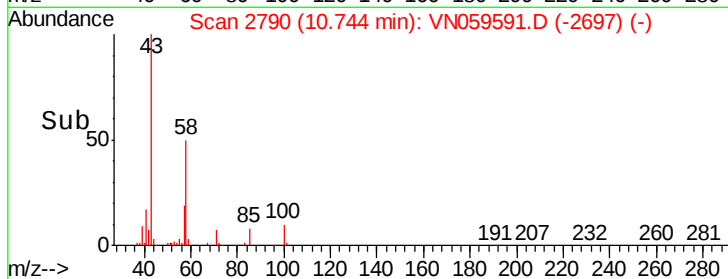
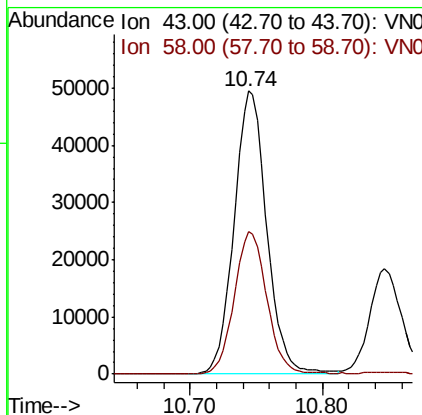
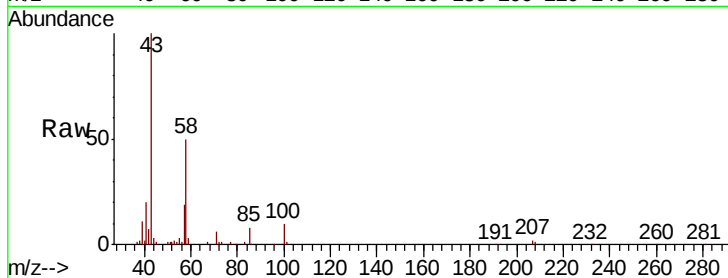




#59
2-Hexanone
Concen: 26.063 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

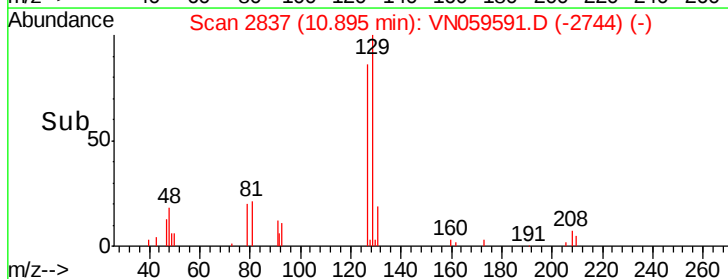
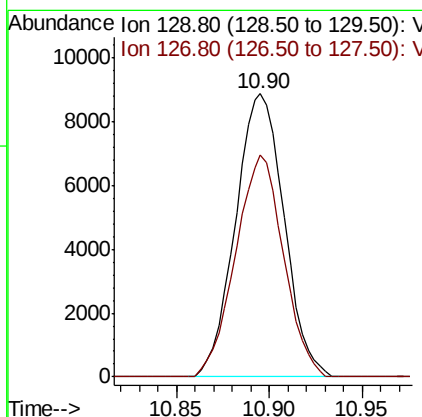
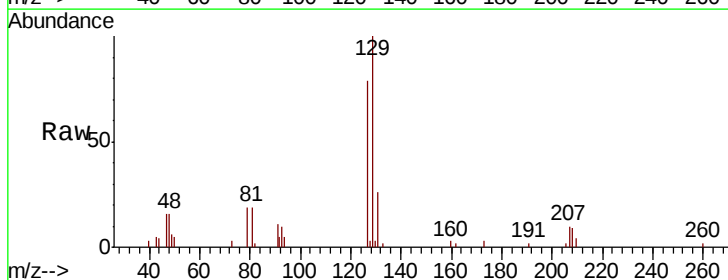
Instrument :
MSVOA_N
ClientSampled :

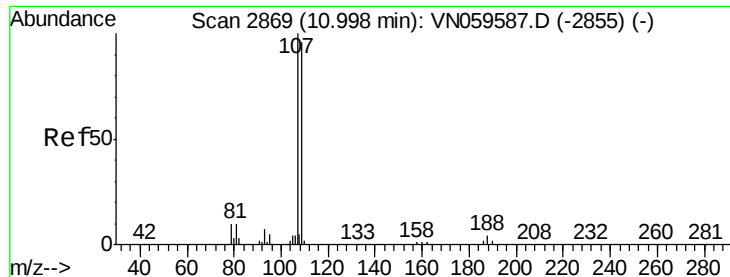
Tot Ion: 43 Resp: 84621
Ion Ratio Lower Upper
43 100
58 50.3 25.8 77.3



#60
Dibromochloromethane
Concen: 5.053 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 129 Resp: 16100
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5

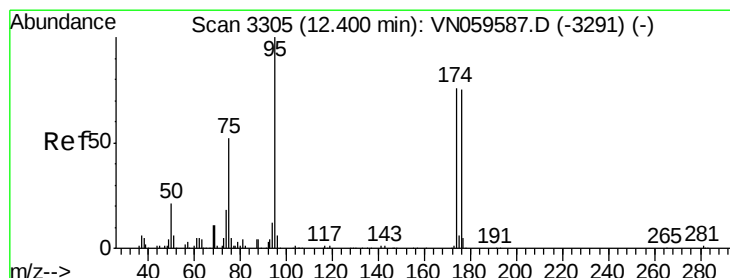
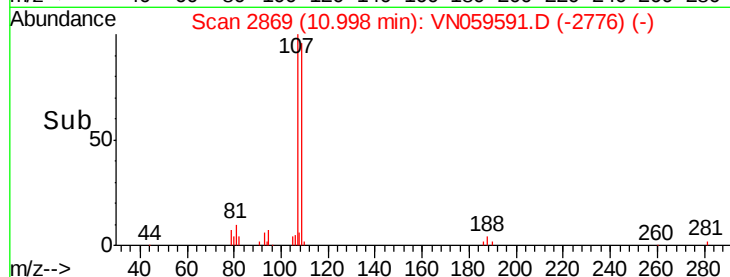
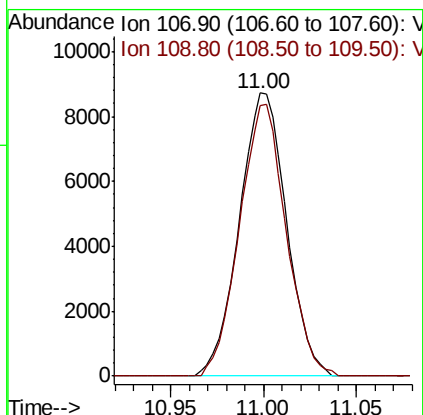
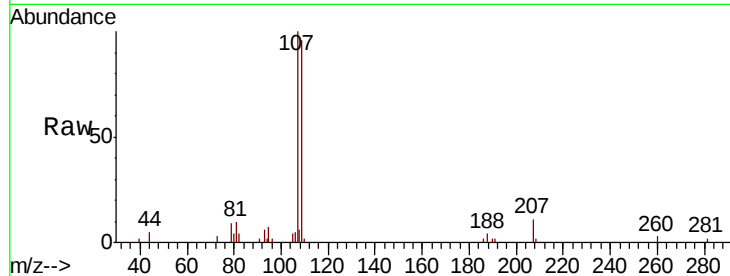




#61
1,2-Dibromoethane
Concen: 5.062 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

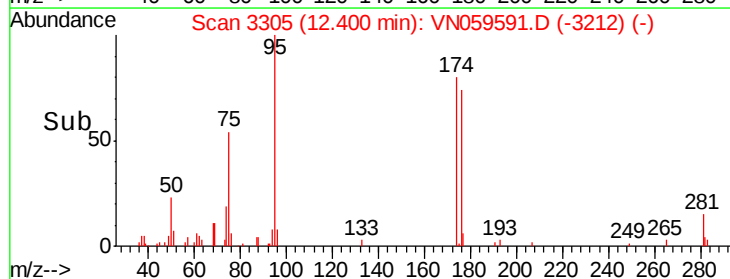
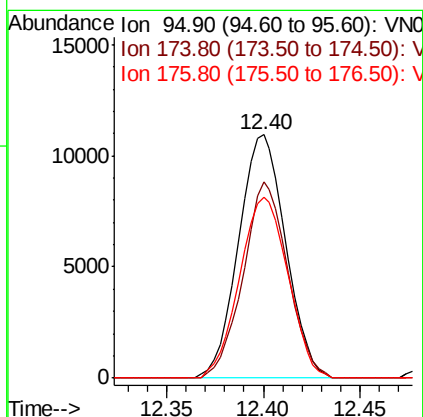
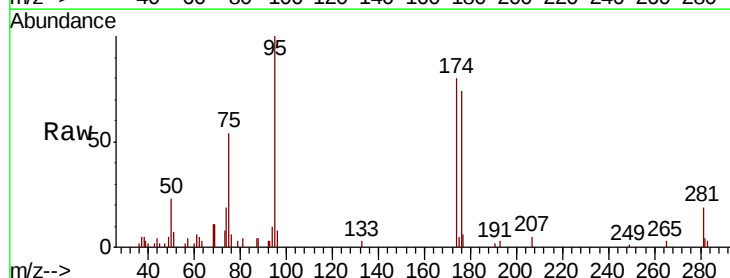
Instrument :
MSVOA_N
ClientSampleId :

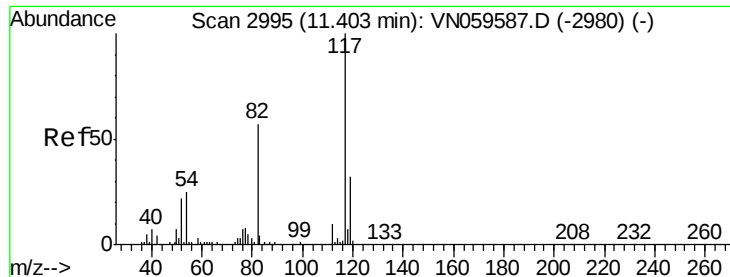
Tot Ion:107 Resp: 15466
Ion Ratio Lower Upper
107 100
109 94.9 76.6 115.0



#62
4-Bromofluorobenzene
Concen: 5.030 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 95 Resp: 18527
Ion Ratio Lower Upper
95 100
174 76.3 0.0 151.4
176 76.3 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: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

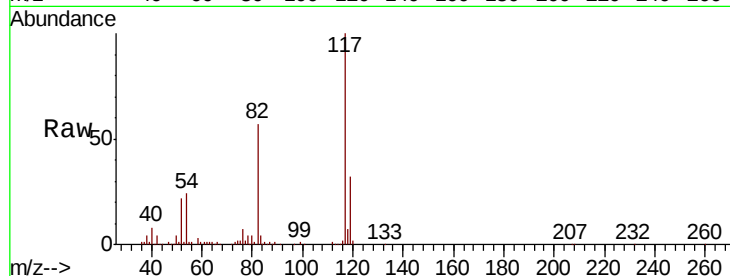
Tot Ion:117 Resp: 358377

Ion Ratio Lower Upper

117 100

82 57.3 45.9 68.9

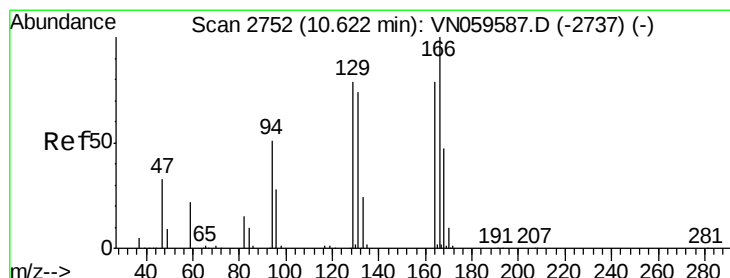
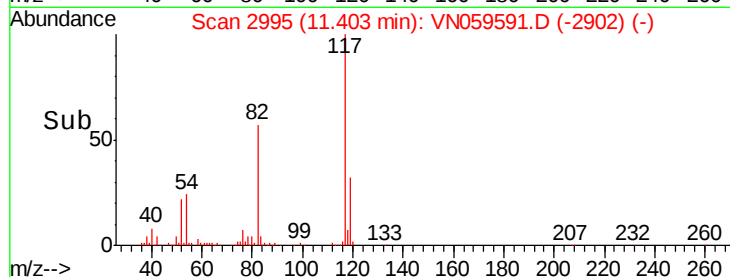
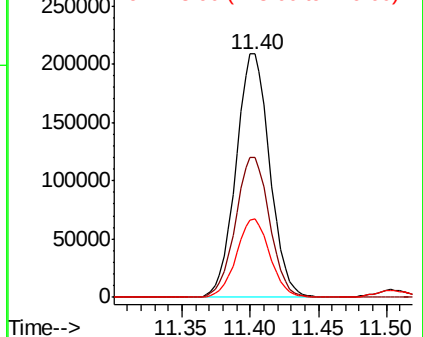
119 32.1 25.5 38.3



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: 6.867 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:164 Resp: 19097

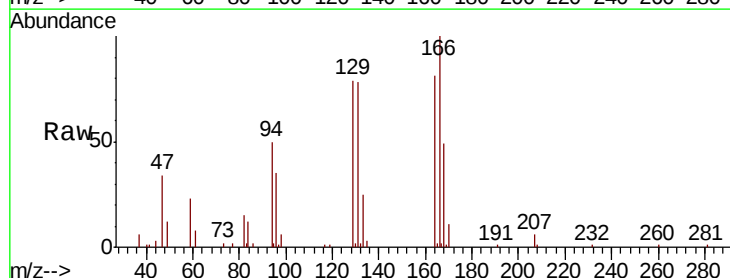
Ion Ratio Lower Upper

164 100

166 124.0 101.4 152.0

129 97.8 80.2 120.4

131 96.1 75.0 112.4

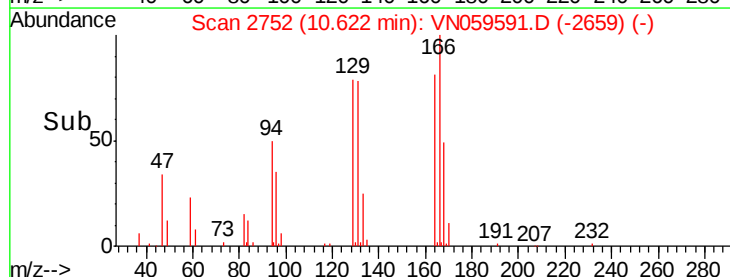
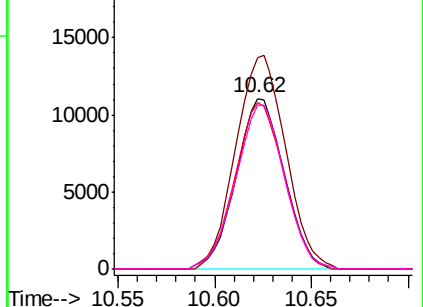


Abundance Ion 163.80 (163.50 to 164.50): V

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

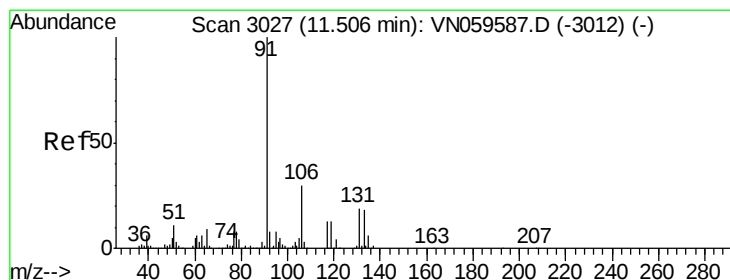
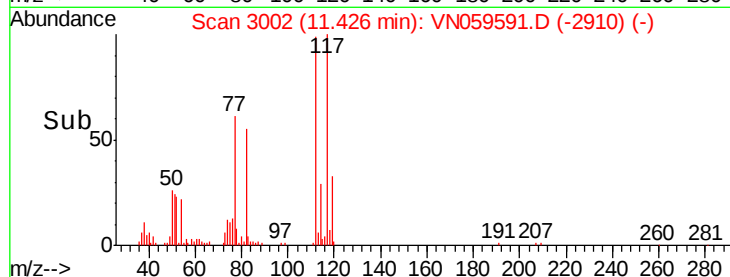
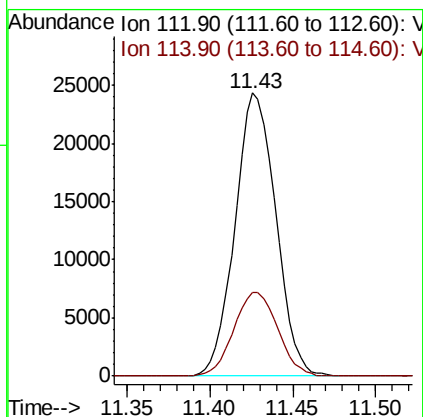
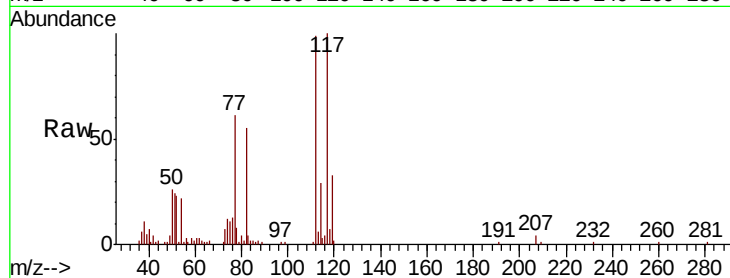




#65
Chlorobenzene
Concen: 5.462 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

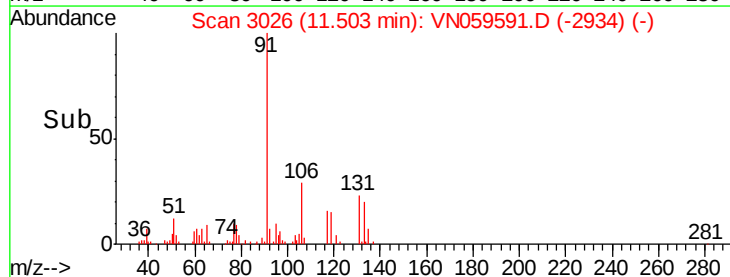
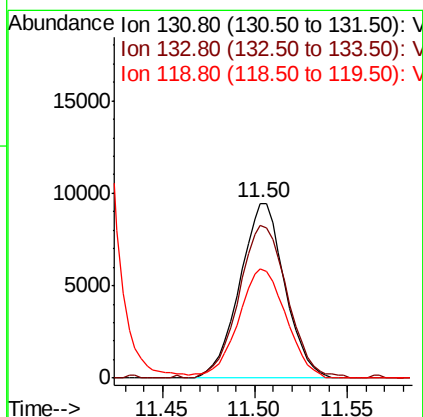
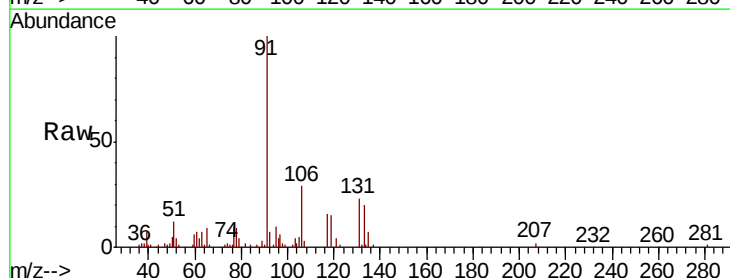
Instrument :
MSVOA_N
ClientSampled :

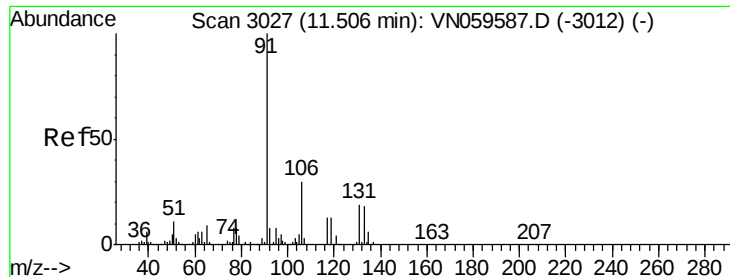
Tot Ion:112 Resp: 41795
Ion Ratio Lower Upper
112 100
114 29.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.600 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion:131 Resp: 16010
Ion Ratio Lower Upper
131 100
133 93.7 47.4 142.2
119 66.2 33.1 99.3





#67

Ethyl Benzene

Concen: 5.241 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

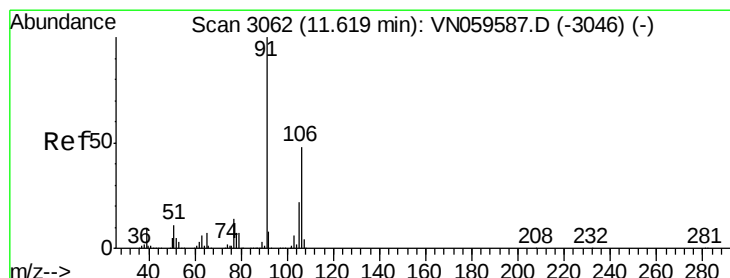
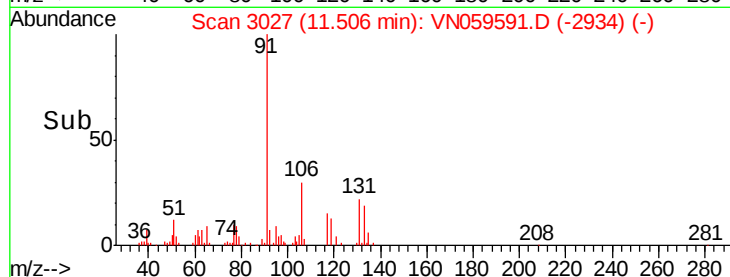
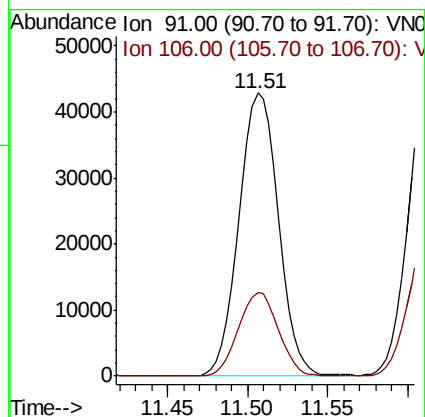
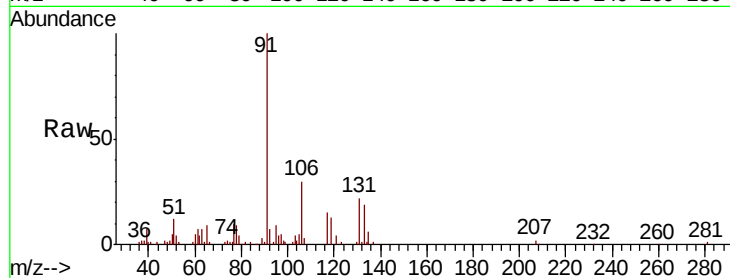
ClientSampleId :

Tot Ion: 91 Resp: 72058

Ion Ratio Lower Upper

91 100

106 29.7 24.1 36.1



#68

m/p-Xylenes

Concen: 10.455 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059591.D

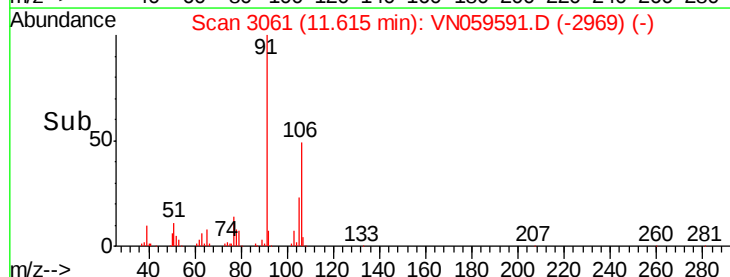
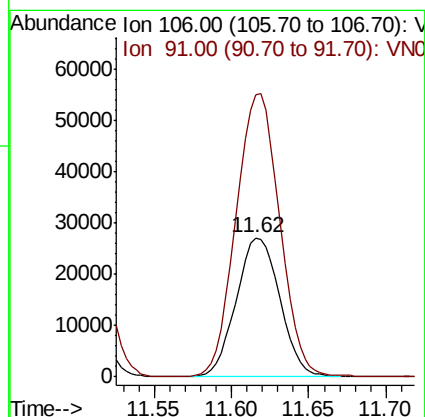
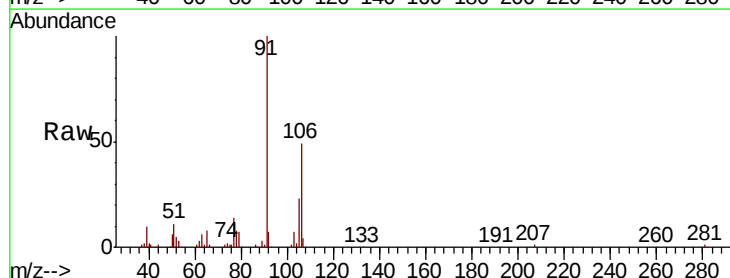
Acq: 13 Dec 2019 18:12

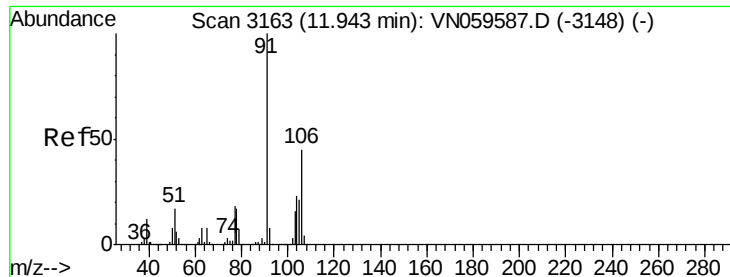
Tgt Ion: 106 Resp: 53255

Ion Ratio Lower Upper

106 100

91 203.9 167.9 251.9

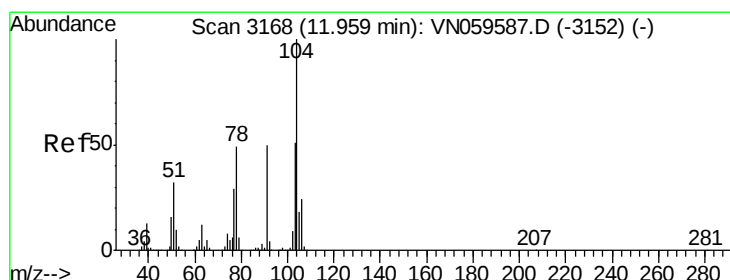
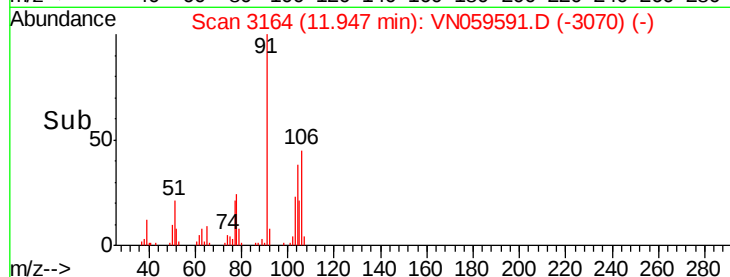
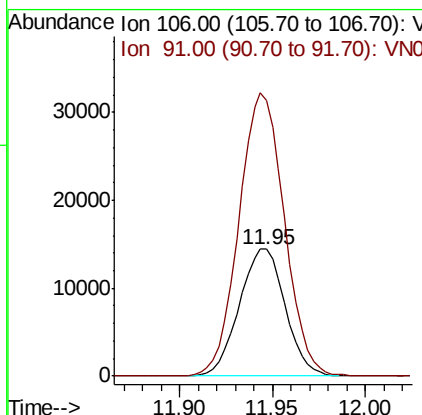
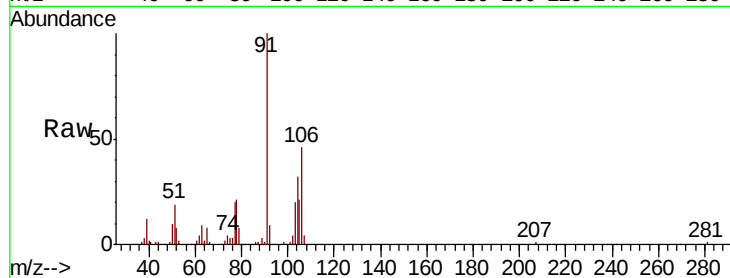




#69
o-Xylene
Concen: 5.230 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

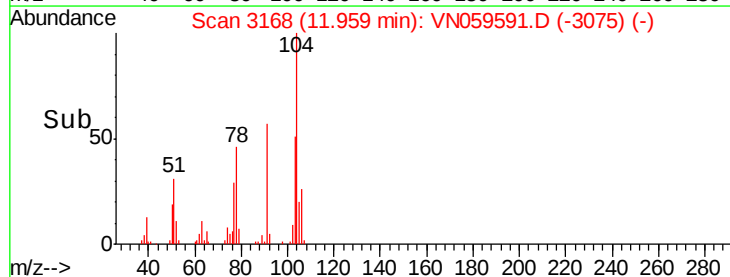
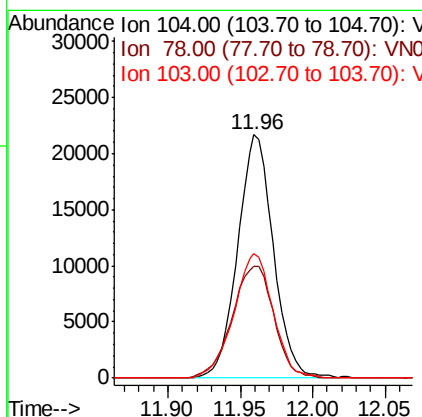
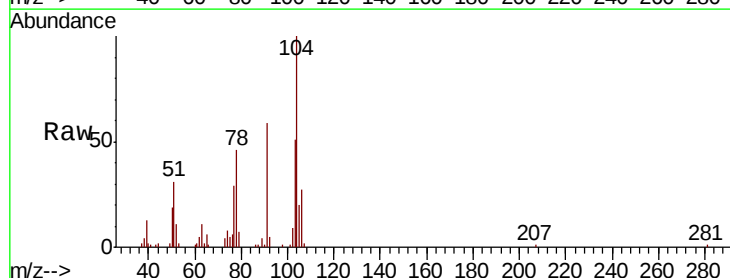
Instrument :
MSVOA_N
ClientSampleId :

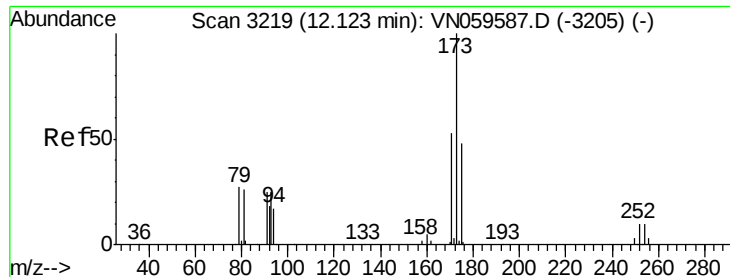
Tot Ion:106 Resp: 24874
Ion Ratio Lower Upper
106 100
91 220.9 110.3 330.9



#70
Styrene
Concen: 4.713 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion:104 Resp: 37123
Ion Ratio Lower Upper
104 100
78 54.0 42.4 63.6
103 56.1 43.9 65.9





#71

Bromoform

Concen: 4.916 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampled :

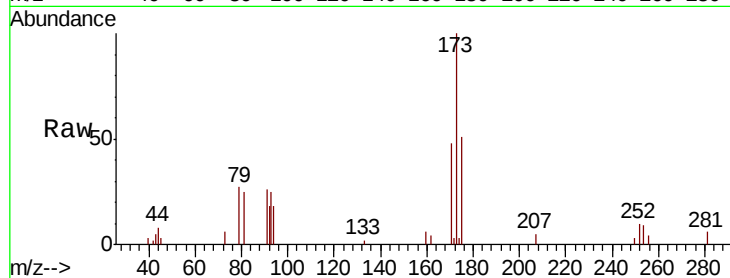
Tot Ion:173 Resp: 10894

Ion Ratio Lower Upper

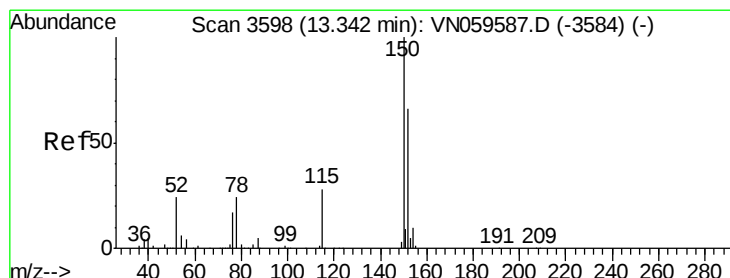
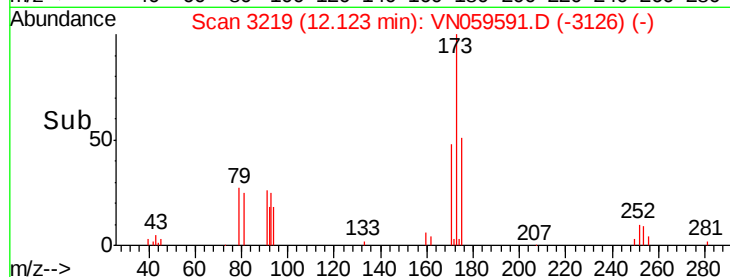
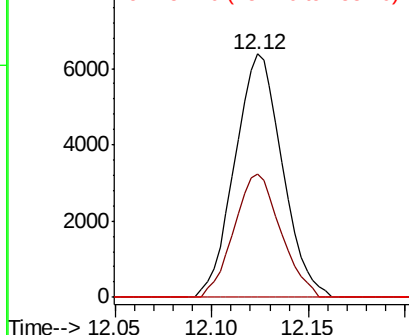
173 100

175 49.7 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: VN059591.D

Acq: 13 Dec 2019 18:12

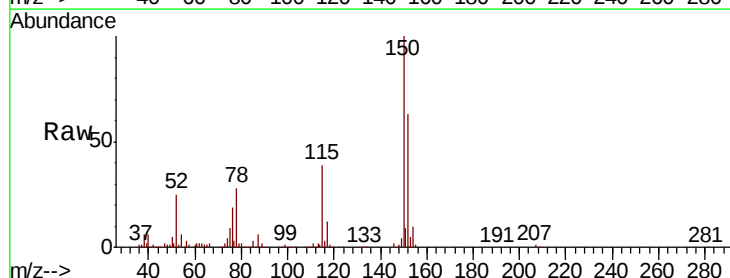
Tgt Ion:152 Resp: 151625

Ion Ratio Lower Upper

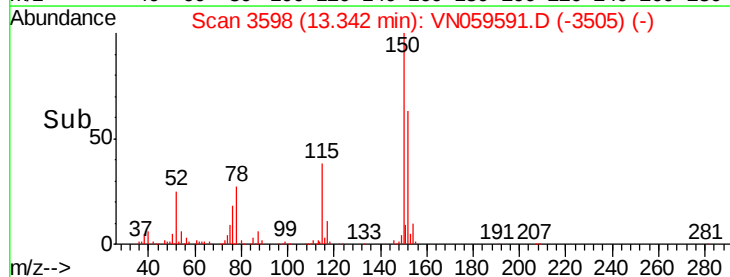
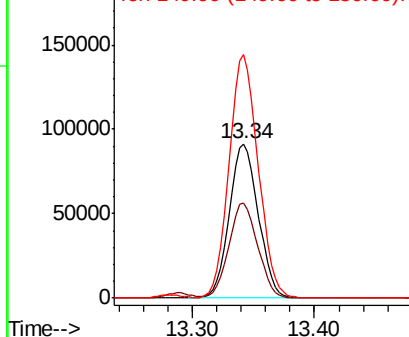
152 100

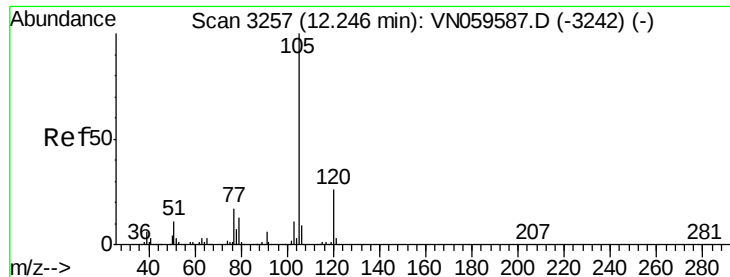
115 60.8 30.3 90.9

150 157.7 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: 5.508 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

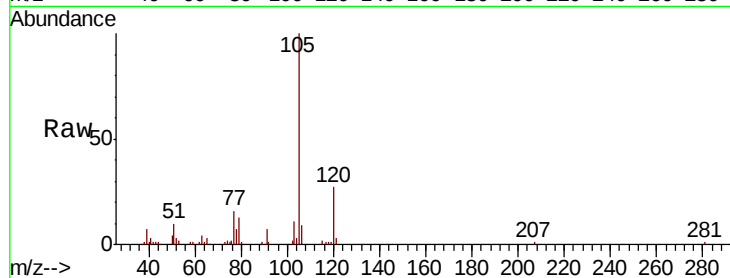
ClientSampleId :

Tot Ion: 105 Resp: 65286

Ion Ratio Lower Upper

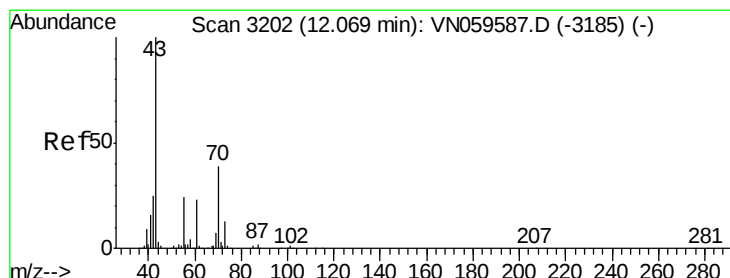
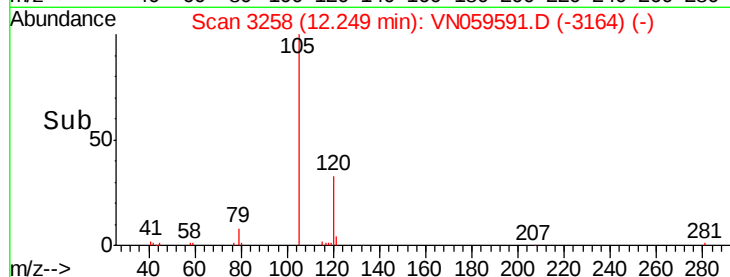
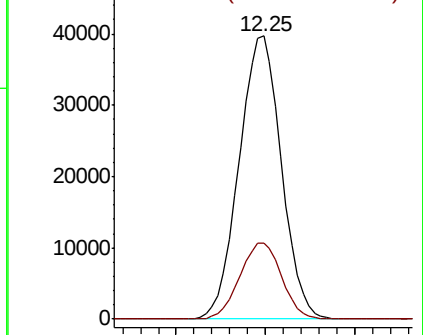
105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.408 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion: 43 Resp: 28085

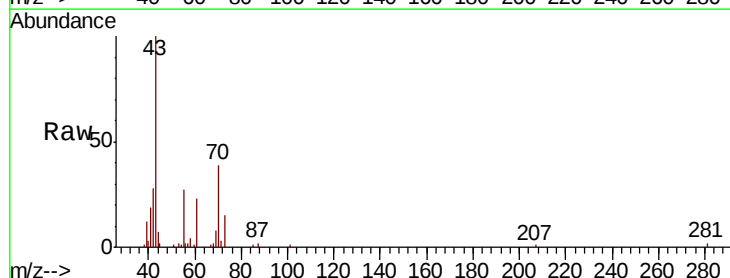
Ion Ratio Lower Upper

43 100

70 37.7 31.3 46.9

55 25.8 19.8 29.6

61 20.2 18.3 27.5

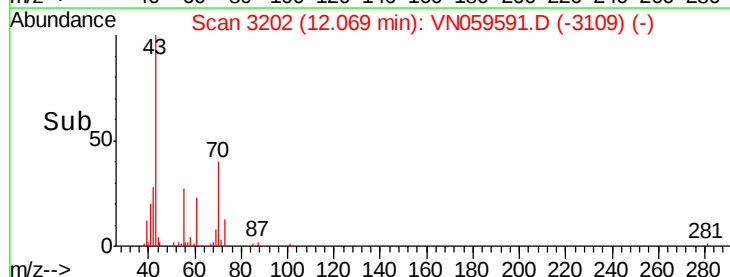
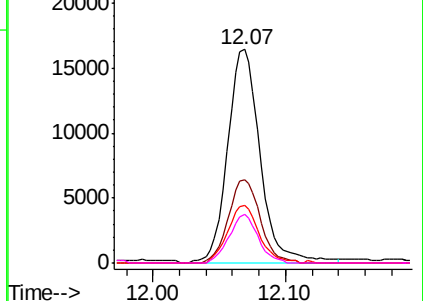


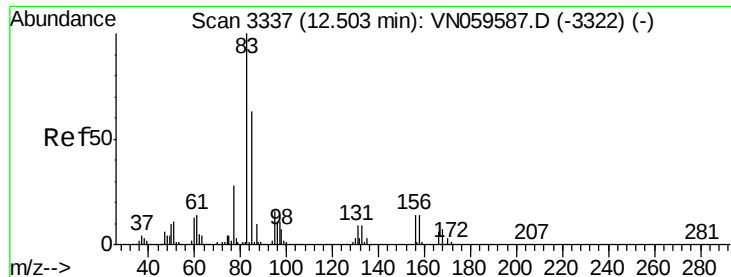
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.229 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

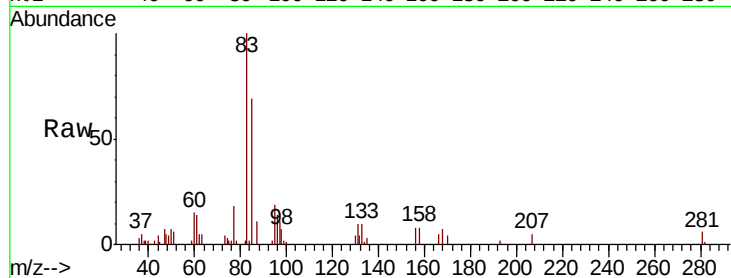
Tot Ion: 83 Resp: 20684

Ion Ratio Lower Upper

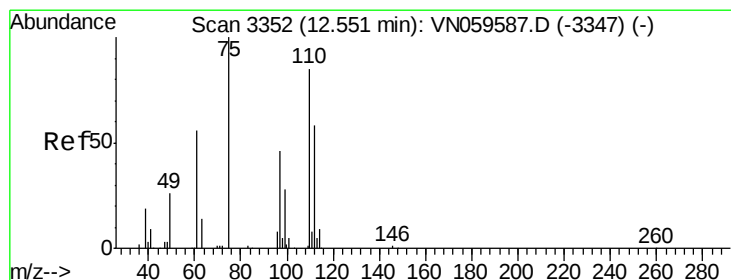
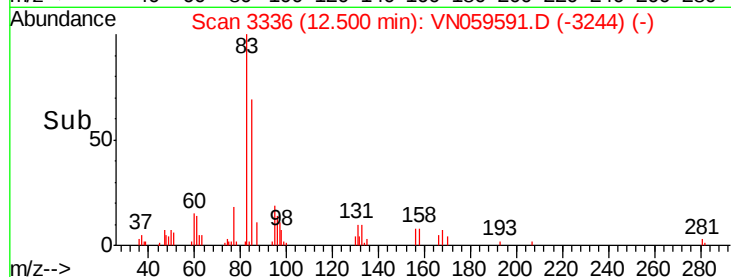
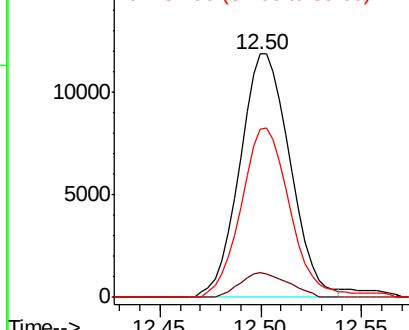
83 100

131 9.7 5.0 14.9

85 68.5 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: 7.787 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059591.D

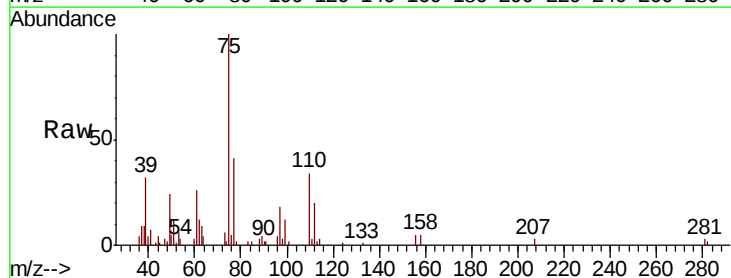
Acq: 13 Dec 2019 18:12

Tgt Ion: 75 Resp: 31068

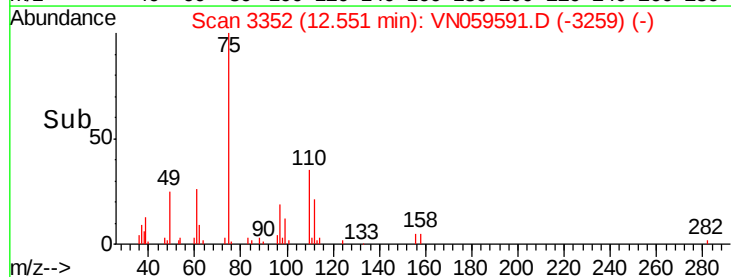
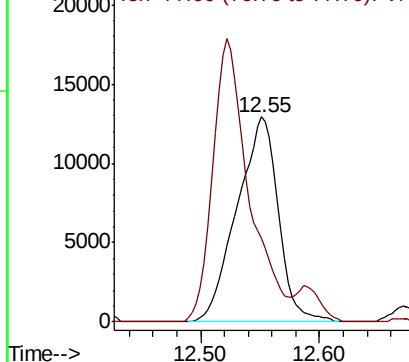
Ion Ratio Lower Upper

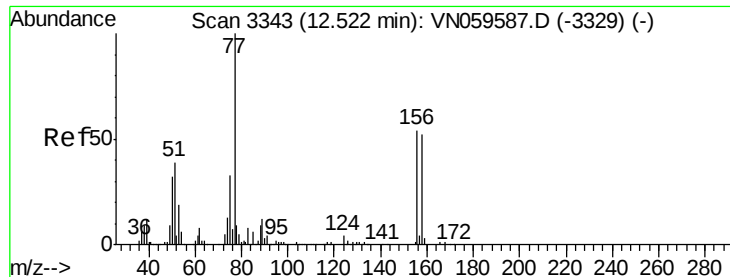
75 100

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: 5.432 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

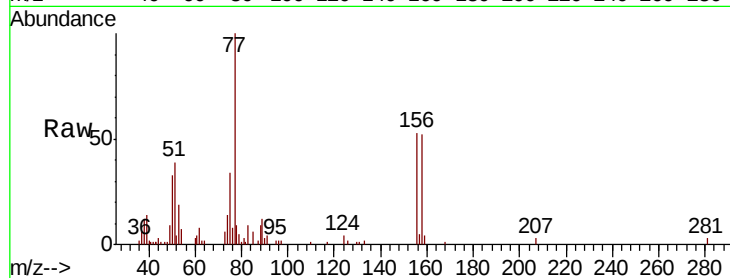
Tot Ion:156 Resp: 15791

Ion Ratio Lower Upper

156 100

77 237.2 115.8 347.4

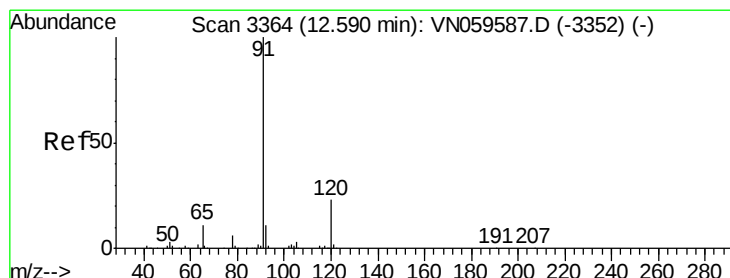
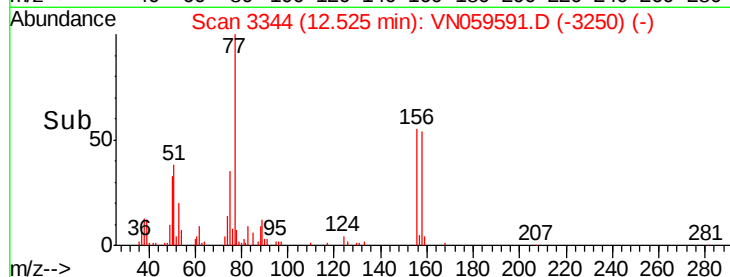
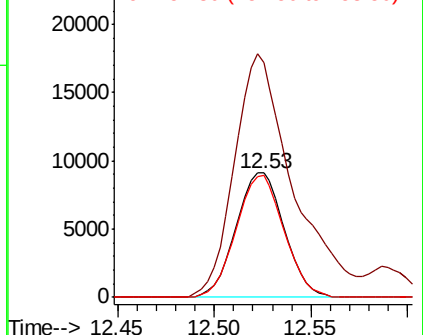
158 97.5 49.2 147.6



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: 5.181 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059591.D

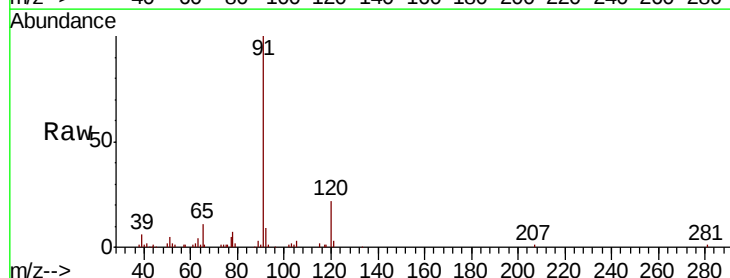
Acq: 13 Dec 2019 18:12

Tgt Ion: 91 Resp: 74653

Ion Ratio Lower Upper

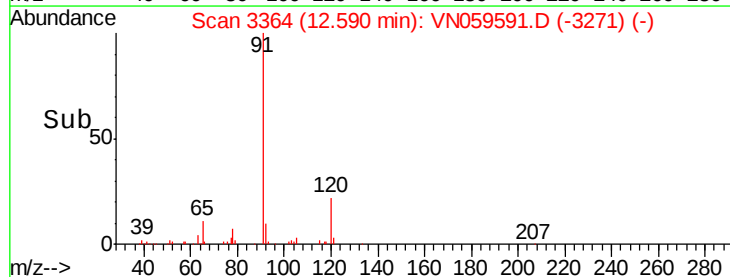
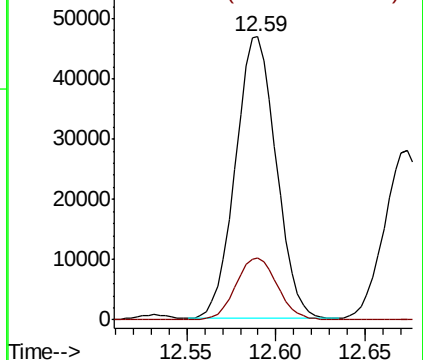
91 100

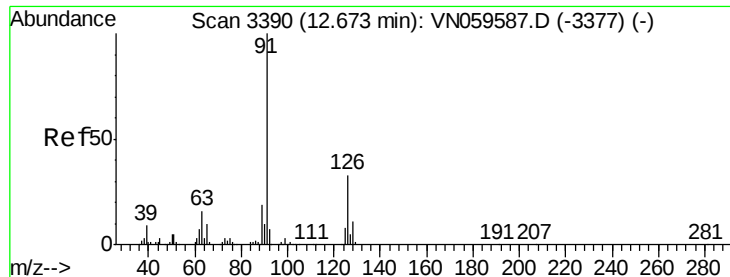
120 22.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.304 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

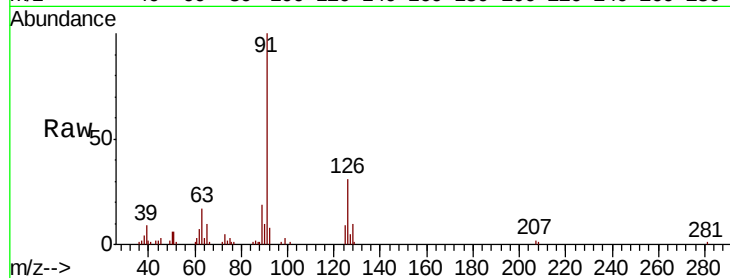
ClientSampleId :

Tot Ion: 91 Resp: 45614

Ion Ratio Lower Upper

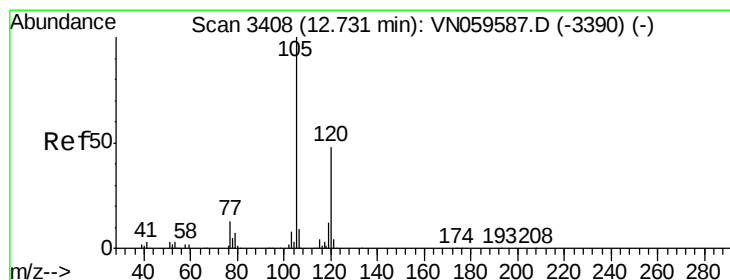
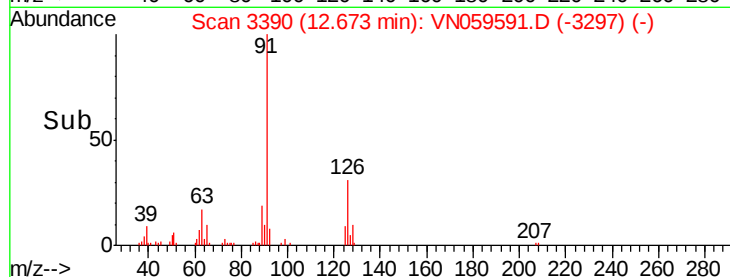
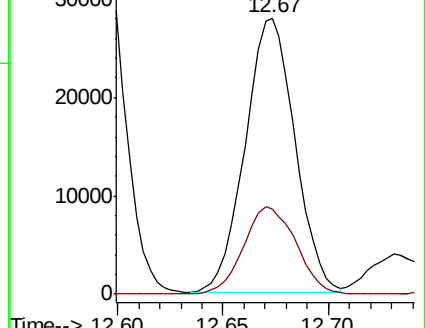
91 100

126 33.4 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.513 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059591.D

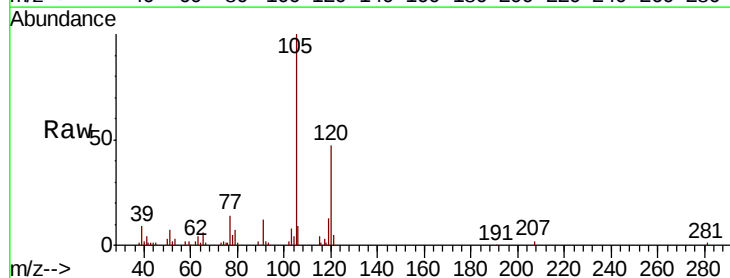
Acq: 13 Dec 2019 18:12

Tgt Ion: 105 Resp: 55292

Ion Ratio Lower Upper

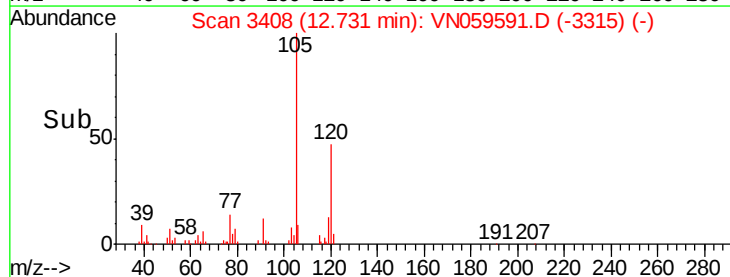
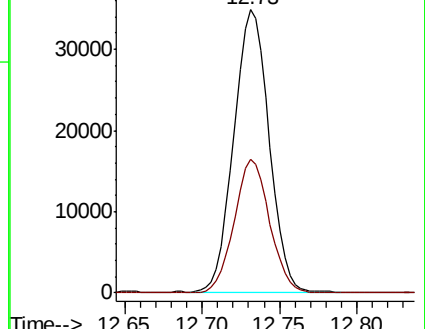
105 100

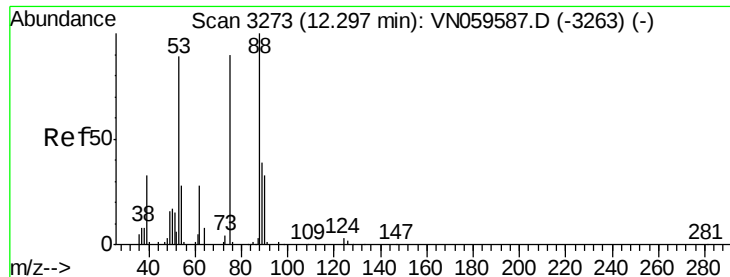
120 46.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

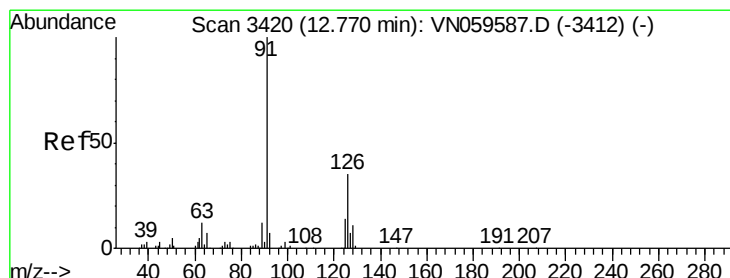
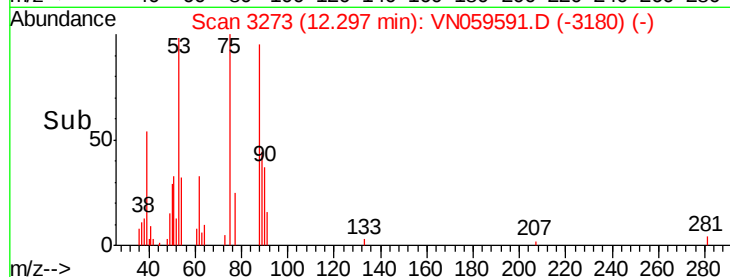
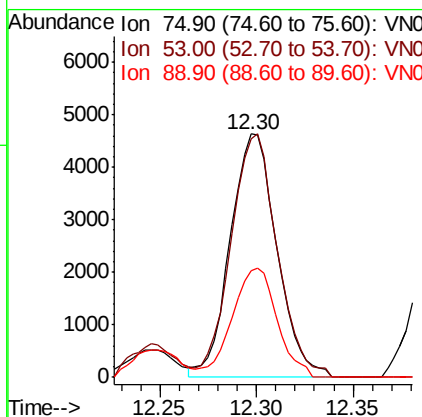
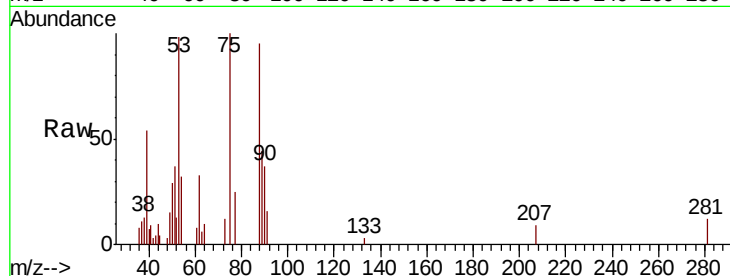




#81
trans-1,4-Dichloro-2-butene
Concen: 5.150 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

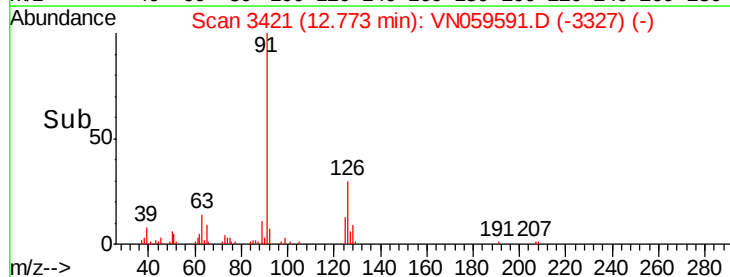
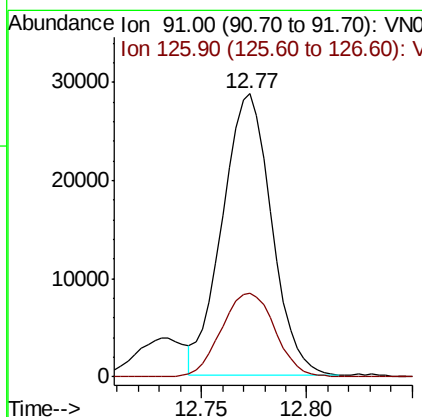
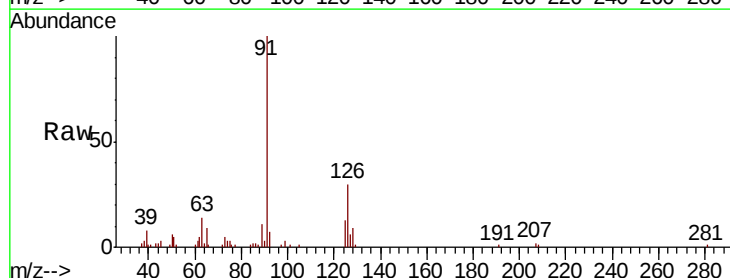
Instrument :
MSVOA_N
ClientSampled :

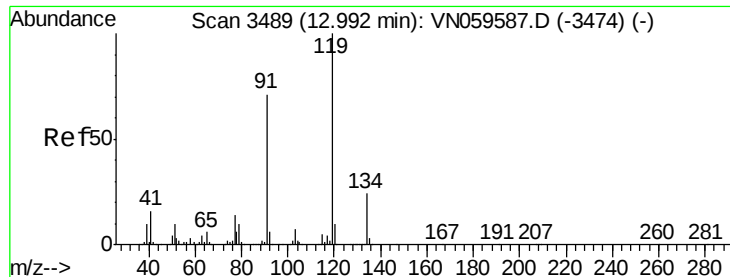
Tot Ion: 75 Resp: 7779
Ion Ratio Lower Upper
75 100
53 99.0 78.1 117.1
89 43.4 35.4 53.2



#82
4-Chlorotoluene
Concen: 5.299 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 91 Resp: 46419
Ion Ratio Lower Upper
91 100
126 32.5 16.3 48.8

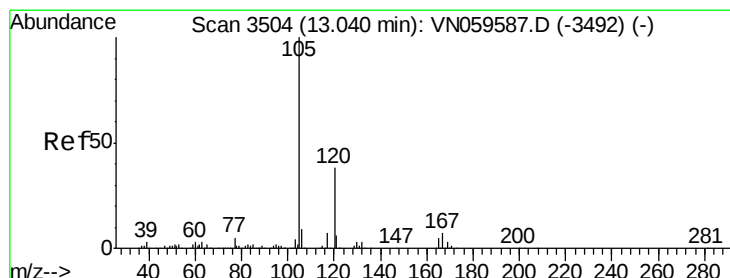
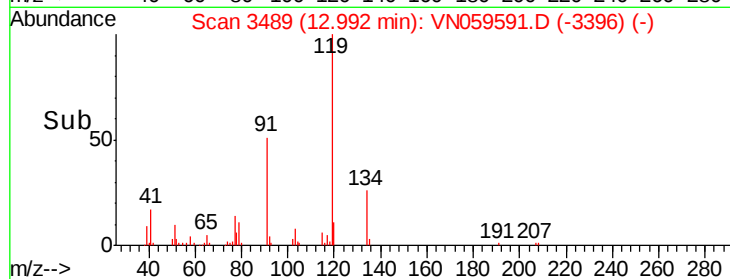
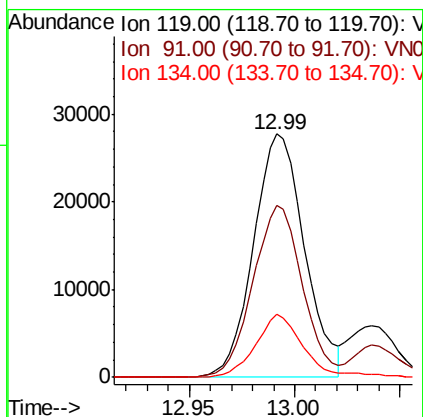
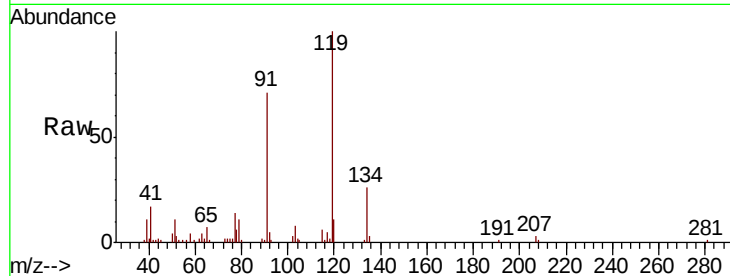




#83
tert-Butylbenzene
Concen: 5.591 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

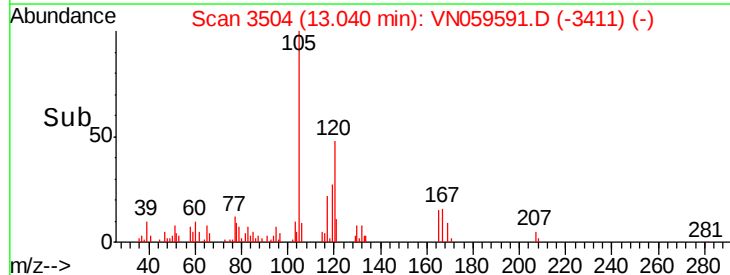
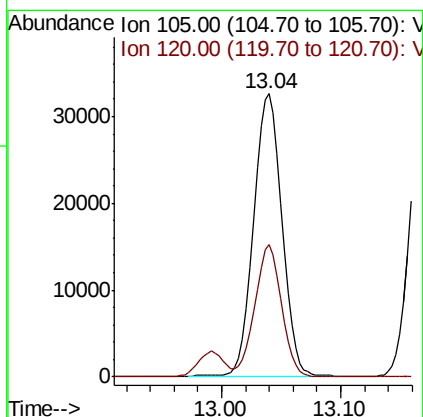
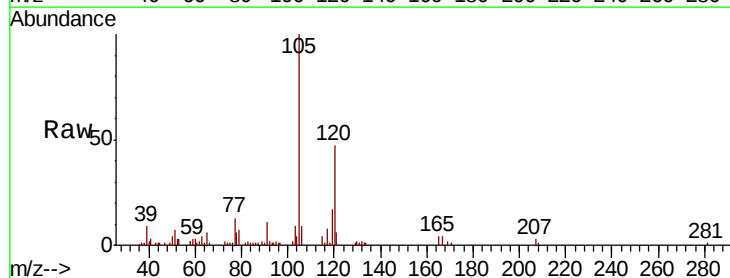
Instrument :
MSVOA_N
ClientSampleId :

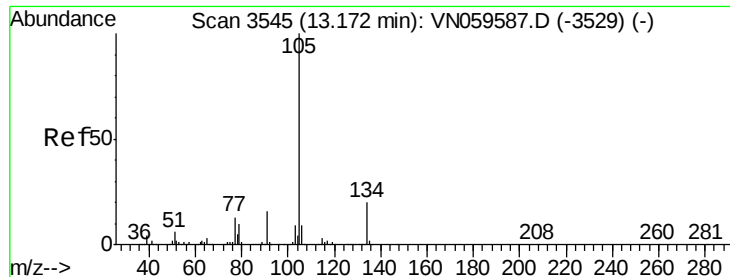
Tot Ion:119 Resp: 46670
Ion Ratio Lower Upper
119 100
91 68.4 34.8 104.4
134 24.4 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 5.463 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion:105 Resp: 54041
Ion Ratio Lower Upper
105 100
120 43.6 22.3 66.9





#85

sec-Butylbenzene

Concen: 5.398 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

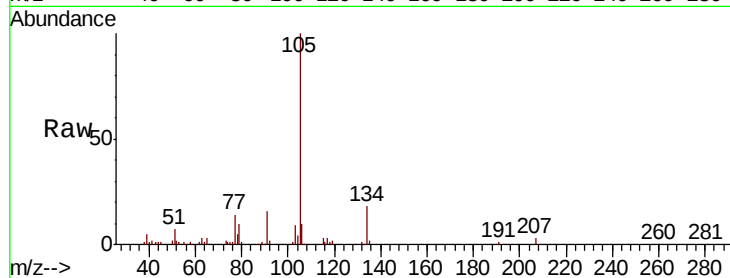
ClientSampleId :

Tot Ion:105 Resp: 61738

Ion Ratio Lower Upper

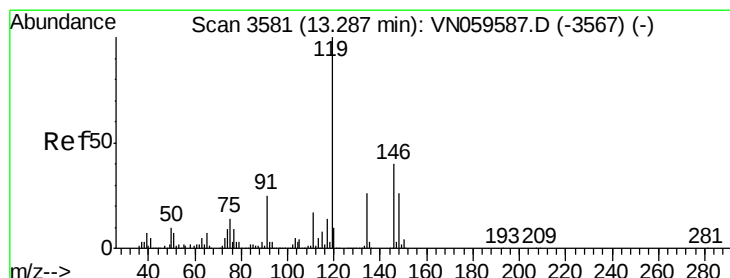
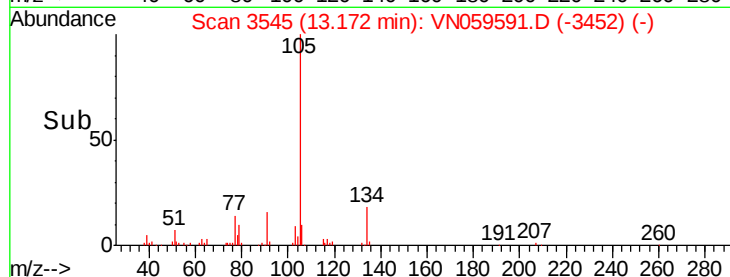
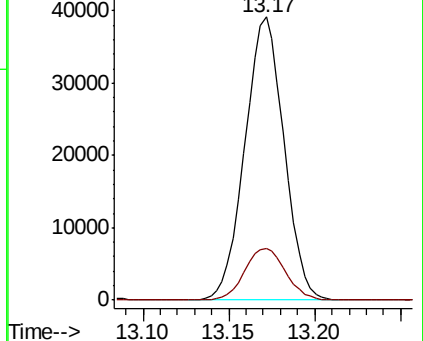
105 100

134 19.1 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: 5.379 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

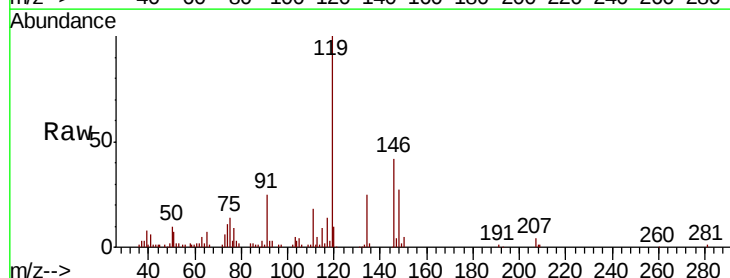
Tgt Ion:119 Resp: 54886

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

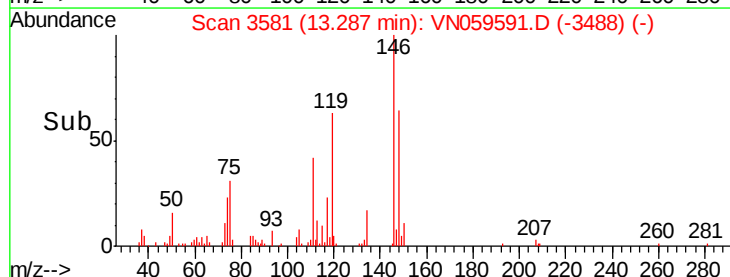
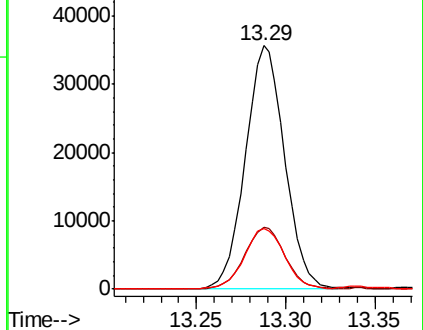
91 25.6 12.4 37.4

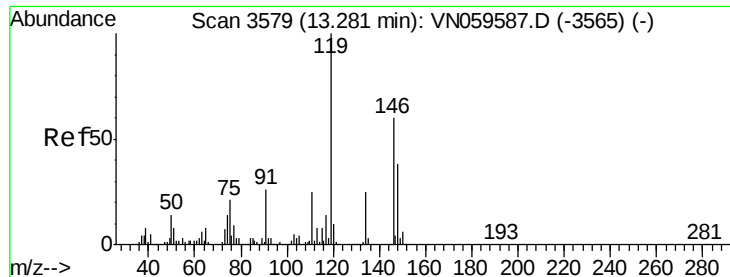


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

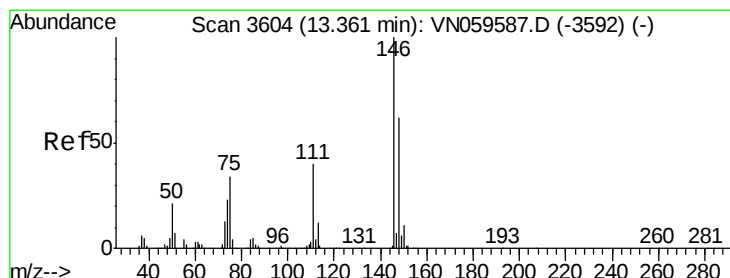
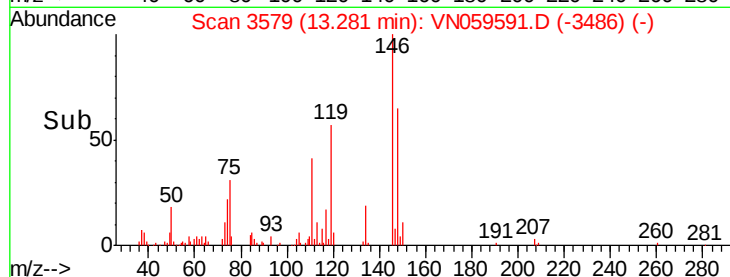
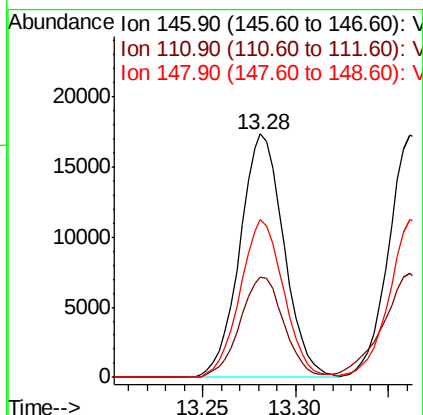
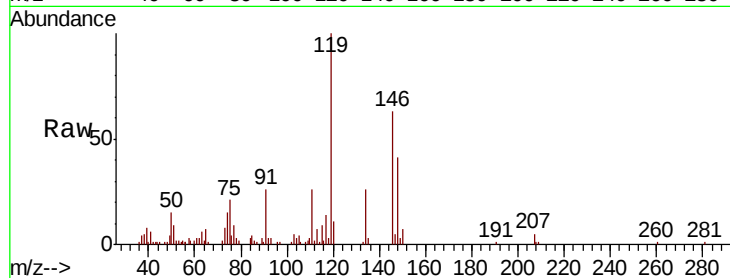




#87
 1,3-Dichlorobenzene
 Concen: 5.377 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

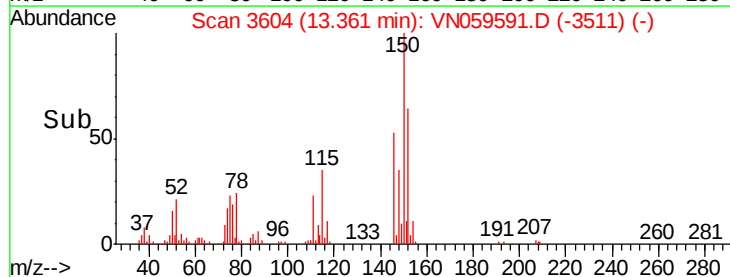
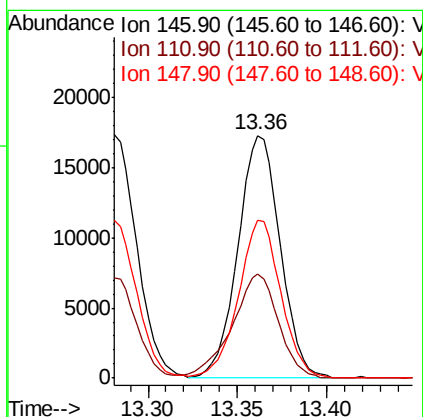
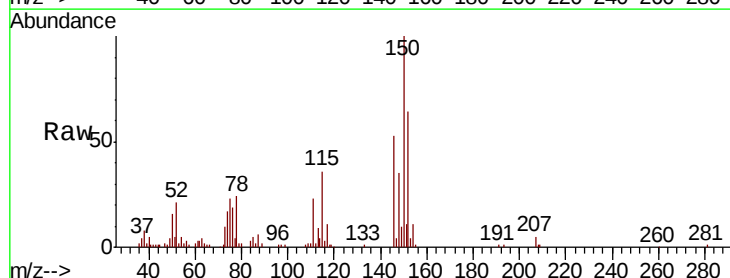
Instrument :
 MSVOA_N
 ClientSampled :

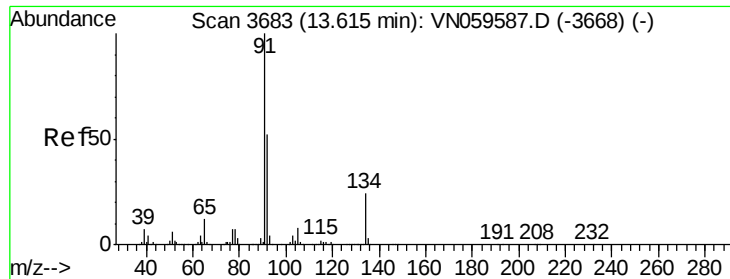
Tot Ion:146 Resp: 28649
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.8 62.2
 148 64.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 5.517 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion:146 Resp: 28720
 Ion Ratio Lower Upper
 146 100
 111 47.1 20.8 62.2
 148 65.3 31.8 95.4





#89

n-Butylbenzene

Concen: 5.122 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampled :

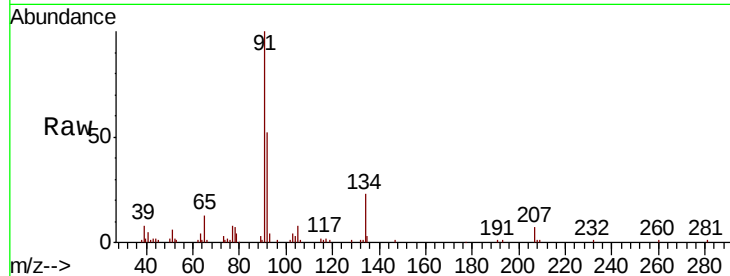
Tot Ion: 91 Resp: 49262

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.7

134 23.9 12.3 36.8

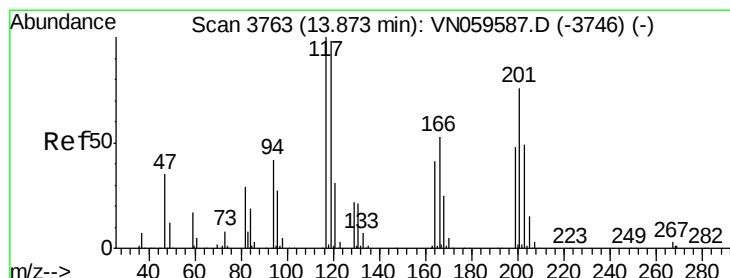
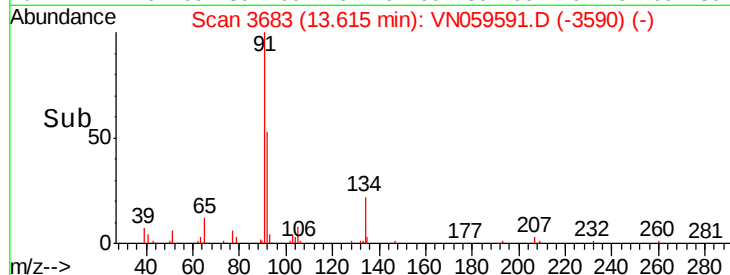


Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 5.532 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059591.D

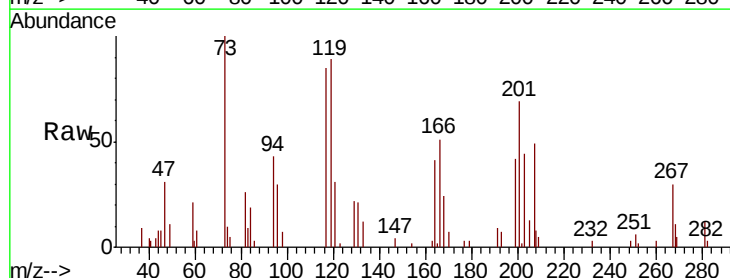
Acq: 13 Dec 2019 18:12

Tgt Ion: 117 Resp: 10431

Ion Ratio Lower Upper

117 100

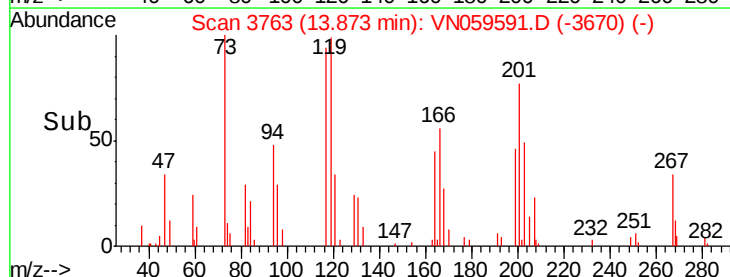
201 80.6 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 5.550 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

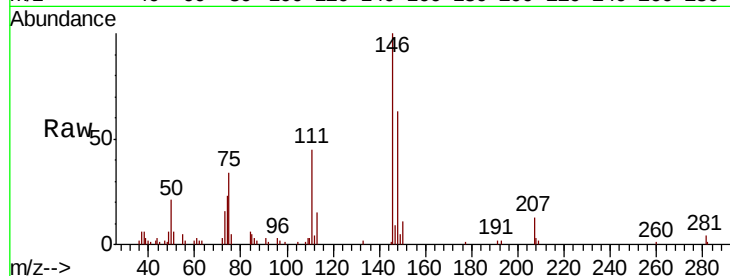
Tot Ion:146 Resp: 27854

Ion Ratio Lower Upper

146 100

111 43.1 21.6 64.8

148 64.7 31.6 95.0

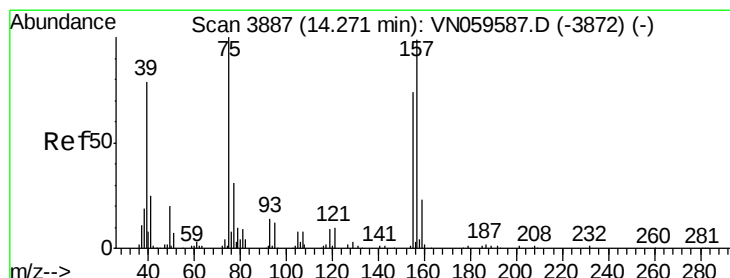
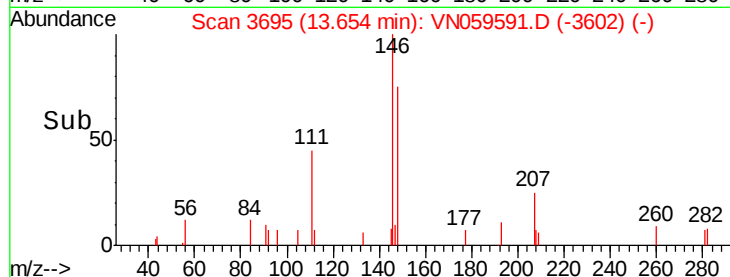
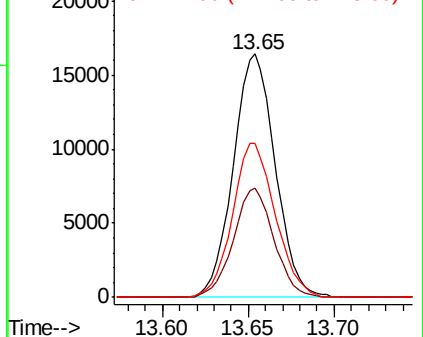


Abundance

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: 6.118 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

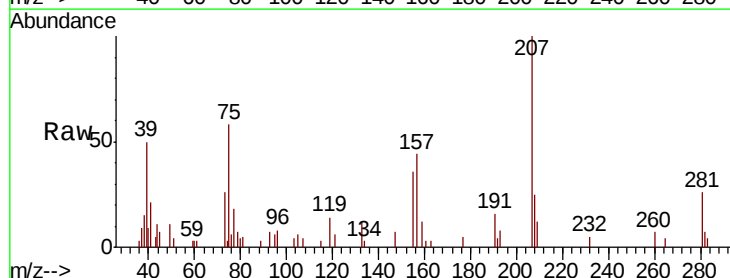
Tgt Ion: 75 Resp: 6136

Ion Ratio Lower Upper

75 100

155 57.1 37.0 110.9

157 71.7 48.4 145.2

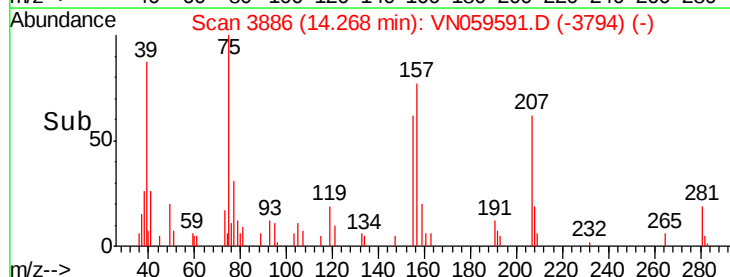
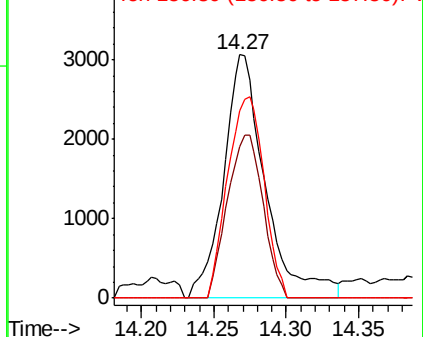


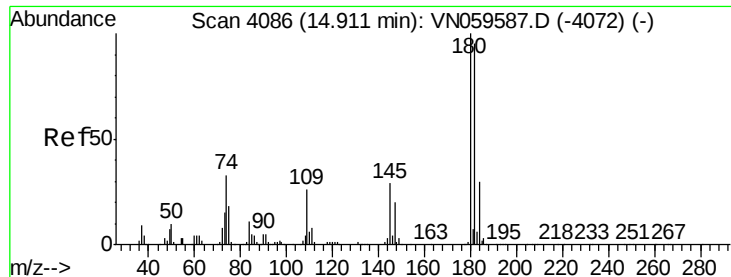
Abundance

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

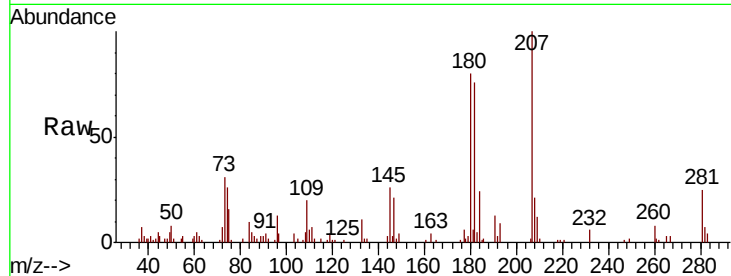




#93
 1,2,4-Trichlorobenzene
 Concen: 5.305 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.9	140.7
145	32.9	15.0	45.1

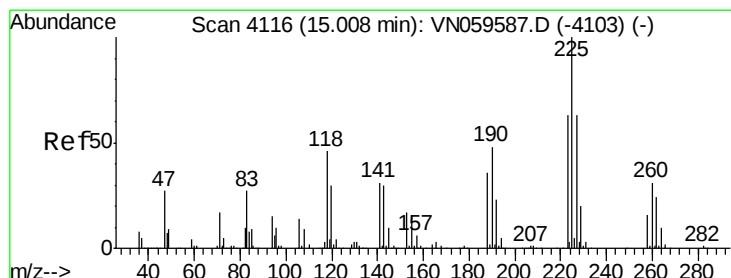
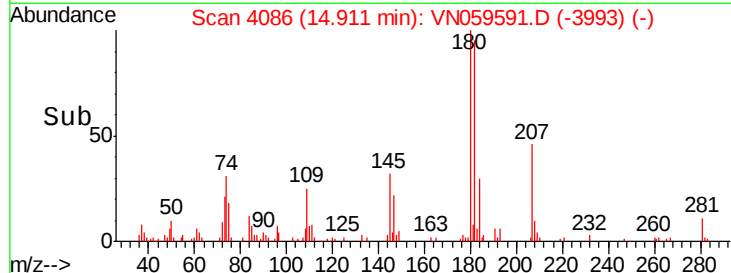
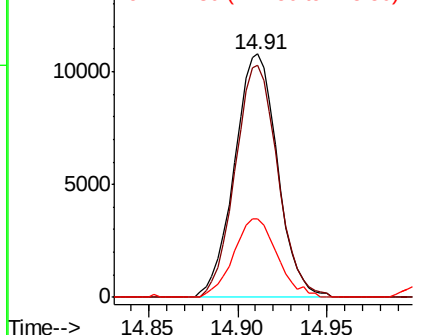


Abundance

Ion 179.80 (179.50 to 180.50): V

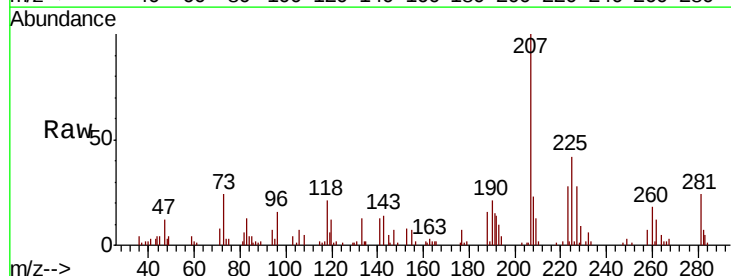
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.913 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	31.8	95.3
227	60.9	32.1	96.5

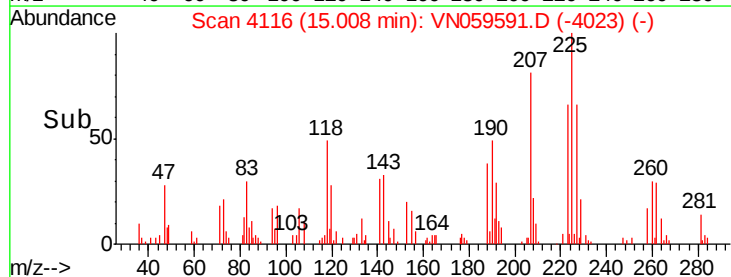
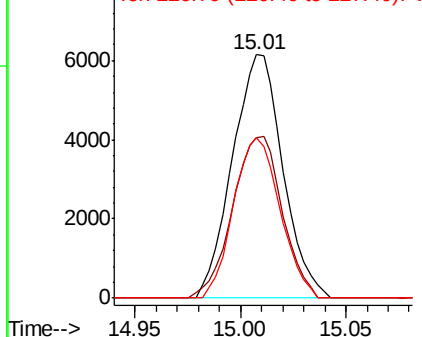


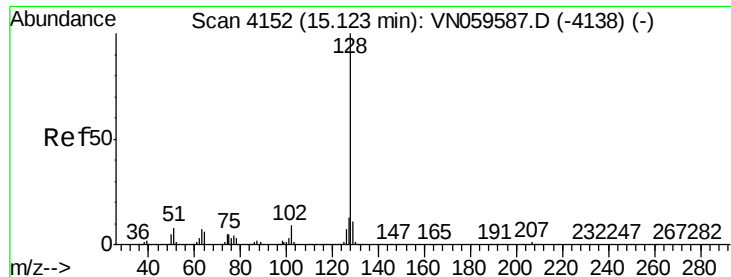
Abundance

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: 5.027 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampled :

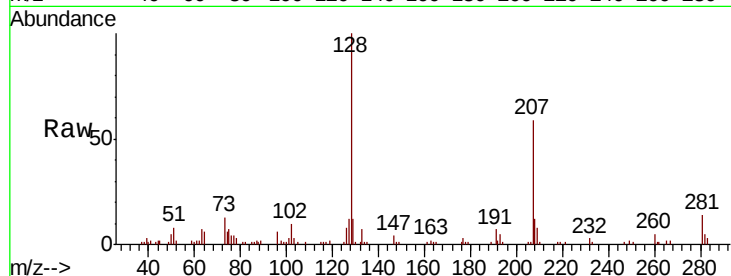
Tot Ion:128 Resp: 50559

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

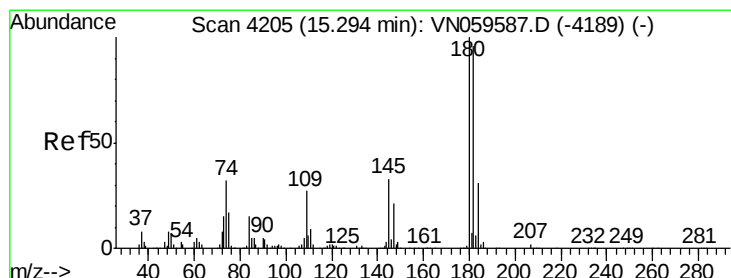
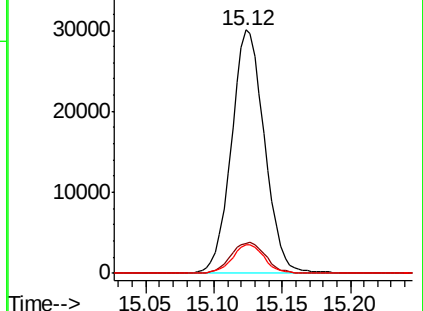
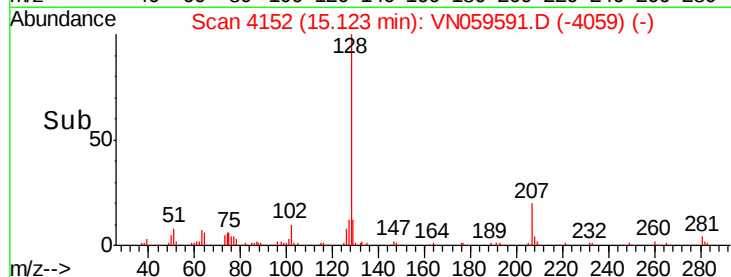
129 11.4 8.6 12.8



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: 5.373 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

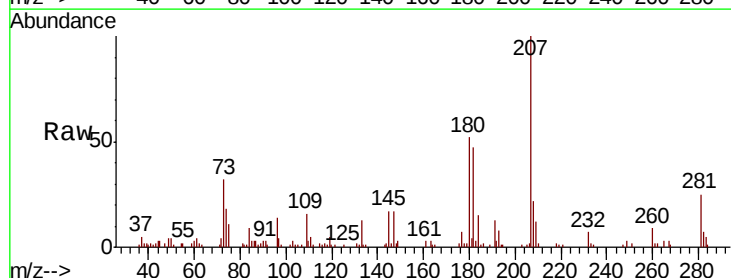
Tgt Ion:180 Resp: 18849

Ion Ratio Lower Upper

180 100

182 93.6 47.4 142.3

145 34.4 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

