

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059593.D
 Acq On : 13 Dec 2019 18:56
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 22:35:06 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	237439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	383656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	344953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150517	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	18434	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
35) Dibromofluoromethane	7.57	113	12906	5.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.08%	
50) Toluene-d8	10.08	98	48967	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
62) 4-Bromofluorobenzene	12.40	95	16633	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	14062	4.981	ug/l	93
3) Chloromethane	2.04	50	21361	4.942	ug/l	96
4) Vinyl Chloride	2.17	62	20144	4.777	ug/l	96
5) Bromomethane	2.53	94	11206	4.348	ug/l	98
6) Chloroethane	2.67	64	11123	4.446	ug/l	89
7) Trichlorofluoromethane	2.99	101	22074	4.396	ug/l	99
8) Diethyl Ether	3.38	74	6784	3.972	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	11081	4.276	ug/l	95
10) Methyl Iodide	3.92	142	12563	3.547	ug/l #	94
11) Tert butyl alcohol	4.75	59	12085	20.982	ug/l	100
12) 1,1-Dichloroethene	3.71	96	9842	3.885	ug/l	95
13) Acrolein	3.58	56	5431	16.538	ug/l	93
14) Allyl chloride	4.29	41	19633	4.040	ug/l	96
15) Acrylonitrile	4.96	53	30722	20.702	ug/l	99
16) Acetone	3.79	43	39083	23.317	ug/l	100
17) Carbon Disulfide	4.02	76	34134	3.669	ug/l	98
18) Methyl Acetate	4.30	43	17482	4.189	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	34932	4.152	ug/l	98
20) Methylene Chloride	4.52	84	12670	3.946	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	11539	4.258	ug/l	89
22) Diisopropyl ether	5.92	45	36969	3.998	ug/l #	84
23) Vinyl Acetate	5.86	43	140357	18.324	ug/l	100
24) 1,1-Dichloroethane	5.82	63	22138	4.211	ug/l	97
25) 2-Butanone	6.81	43	46056	21.183	ug/l	97
26) 2,2-Dichloropropane	6.80	77	19860	4.179	ug/l	79
27) cis-1,2-Dichloroethene	6.81	96	12567	4.117	ug/l	95
28) Bromochloromethane	7.17	49	5005	2.924	ug/l #	97
29) Tetrahydrofuran	7.19	42	28381	19.132	ug/l	99
30) Chloroform	7.35	83	22088	4.261	ug/l	98
31) Cyclohexane	7.64	56	23322	4.564	ug/l #	76
32) 1,1,1-Trichloroethane	7.55	97	18640	4.051	ug/l	99
36) 1,1-Dichloropropene	7.77	75	15794	3.951	ug/l	97
37) Ethyl Acetate	6.91	43	17416	4.181	ug/l	99
38) Carbon Tetrachloride	7.75	117	17250	4.367	ug/l	96

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 Data File : VN059593.D
 Acq On : 13 Dec 2019 18:56
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 22:35:06 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	18113	4.044	ug/l	94
40) Benzene	8.02	78	49048	4.286	ug/l	100
41) Methacrylonitrile	7.14	41	6435	3.353	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	18385	4.304	ug/l	96
43) Isopropyl Acetate	8.15	43	27653	3.993	ug/l #	90
44) Trichloroethene	8.82	130	12913	4.453	ug/l	100
45) 1,2-Dichloropropane	9.10	63	12383	4.088	ug/l	95
46) Dibromomethane	9.19	93	8292	4.131	ug/l	98
47) Bromodichloromethane	9.39	83	16331	4.101	ug/l	97
48) Methyl methacrylate	9.18	41	12325	4.054	ug/l	95
49) 1,4-Dioxane	9.19	88	3631	89.282	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	81574	20.259	ug/l	97
52) Toluene	10.15	92	28257	4.138	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	18170	3.911	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	19195	4.031	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	11484	4.158	ug/l	96
56) Ethyl methacrylate	10.42	69	13732	3.364	ug/l	93
57) 1,3-Dichloropropane	10.70	76	20064	4.251	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	15119	11.695	ug/l	99
59) 2-Hexanone	10.75	43	61387	20.117	ug/l	97
60) Dibromochloromethane	10.90	129	11924	3.982	ug/l	96
61) 1,2-Dibromoethane	11.00	107	11366	3.958	ug/l	99
64) Tetrachloroethene	10.62	164	13164	4.918	ug/l	94
65) Chlorobenzene	11.43	112	29849	4.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	11369	4.132	ug/l	96
67) Ethyl Benzene	11.51	91	52349	3.955	ug/l	100
68) m/p-Xylenes	11.62	106	37657	7.681	ug/l	97
69) o-Xylene	11.94	106	17318	3.783	ug/l	93
70) Styrene	11.96	104	26715	3.524	ug/l	97
71) Bromoform	12.12	173	8130	3.811	ug/l #	99
73) Isopropylbenzene	12.25	105	47486	4.036	ug/l	100
74) N-amyl acetate	12.07	43	19396	3.763	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	15504	3.948	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	22687	5.728	ug/l #	100
77) Bromobenzene	12.52	156	11883	4.117	ug/l	98
78) n-propylbenzene	12.59	91	53772	3.759	ug/l	99
79) 2-Chlorotoluene	12.67	91	34062	3.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	39273	3.945	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5451	3.635	ug/l	95
82) 4-Chlorotoluene	12.77	91	34415	3.957	ug/l	99
83) tert-Butylbenzene	12.99	119	33028	3.985	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	38007	3.871	ug/l	99
85) sec-Butylbenzene	13.17	105	44088	3.883	ug/l	99
86) p-Isopropyltoluene	13.29	119	38822	3.833	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	21223	4.013	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	21620	4.184	ug/l	94
89) n-Butylbenzene	13.62	91	35807	3.750	ug/l	96
90) Hexachloroethane	13.88	117	8128	4.342	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	20790	4.173	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4272	4.291	ug/l	86

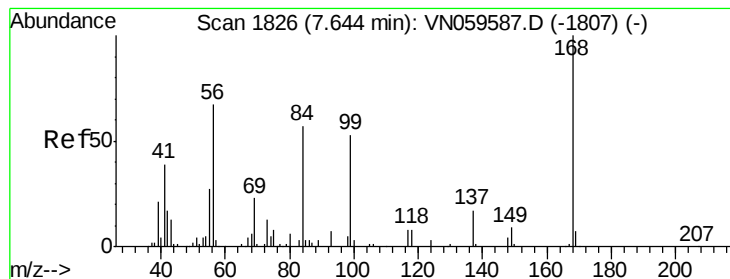
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
Data File : VN059593.D
Acq On : 13 Dec 2019 18:56
Operator : JC/SP
Sample : VSTDICC005
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 13 22:35:06 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	11894	3.510	ug/l	99
94) Hexachlorobutadiene	15.01	225	7112	4.157	ug/l	98
95) Naphthalene	15.13	128	33267	3.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	12479	3.583	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: VN059593.D

Acq: 13 Dec 2019 18:56

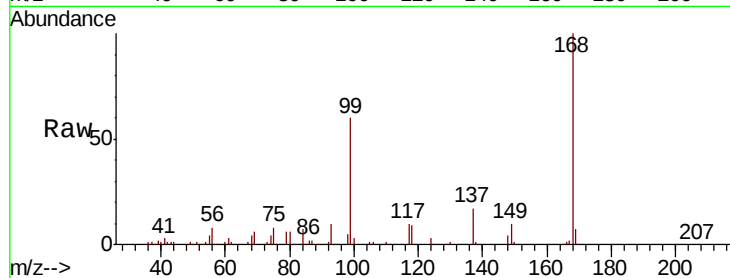
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 237439

Ion Ratio Lower Upper

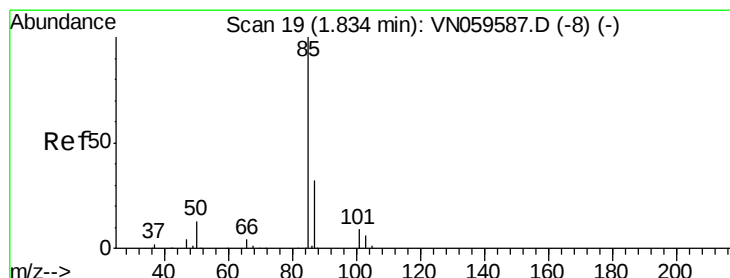
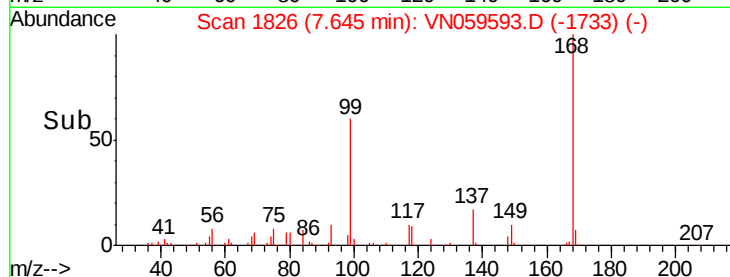
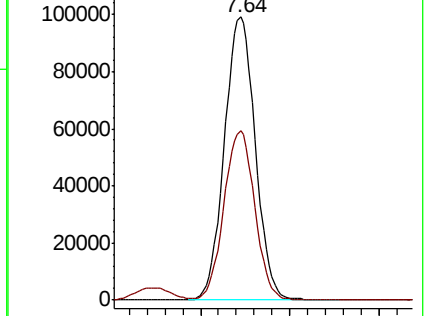
168 100

99 59.8 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: 4.981 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059593.D

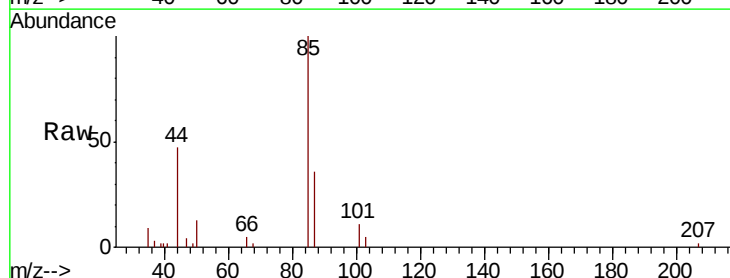
Acq: 13 Dec 2019 18:56

Tgt Ion: 85 Resp: 14062

Ion Ratio Lower Upper

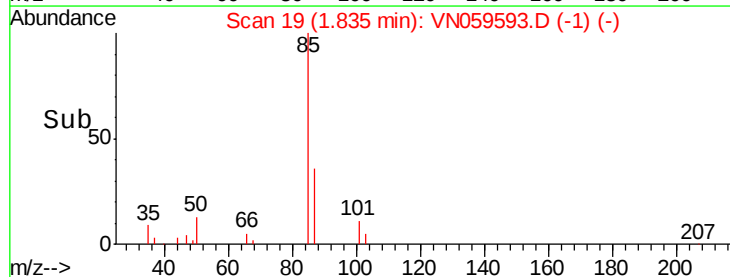
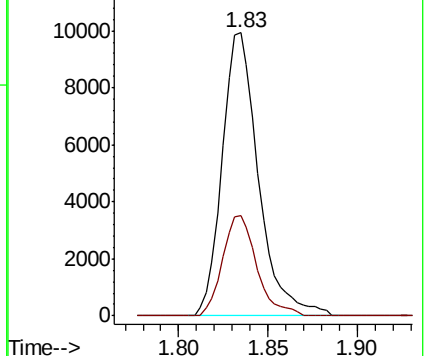
85 100

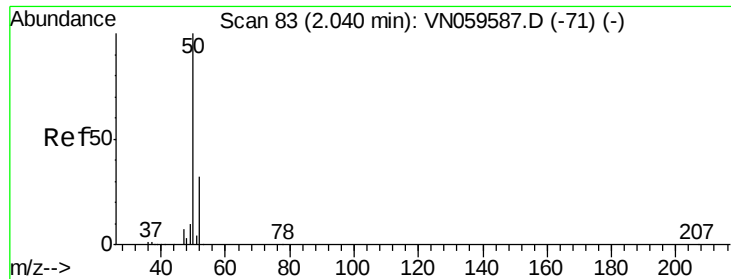
87 35.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 4.942 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

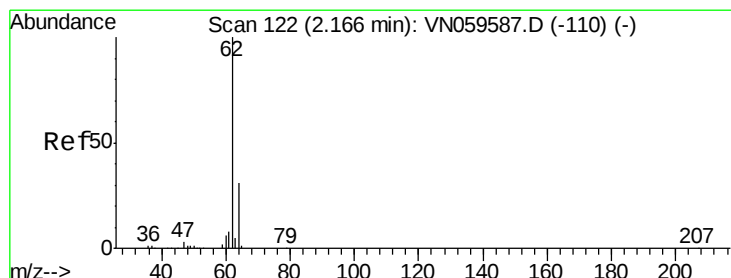
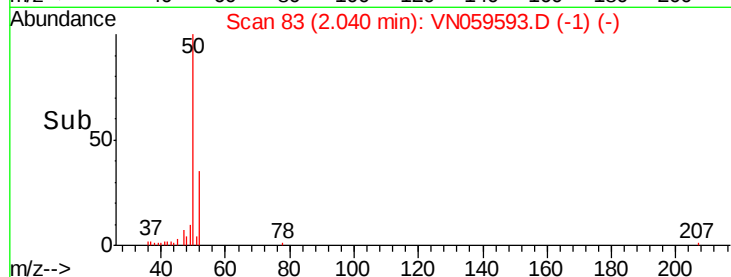
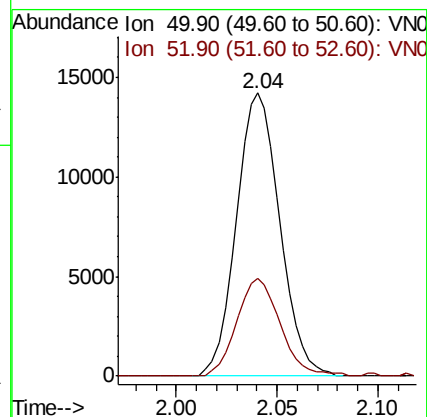
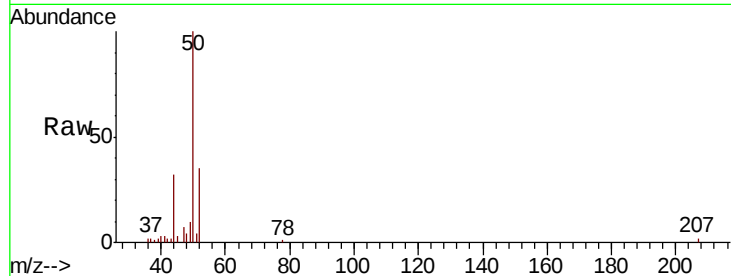
ClientSampleId :

Tot Ion: 50 Resp: 21361

Ion Ratio Lower Upper

50 100

52 34.7 25.9 38.9



#4

Vinyl Chloride

Concen: 4.777 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059593.D

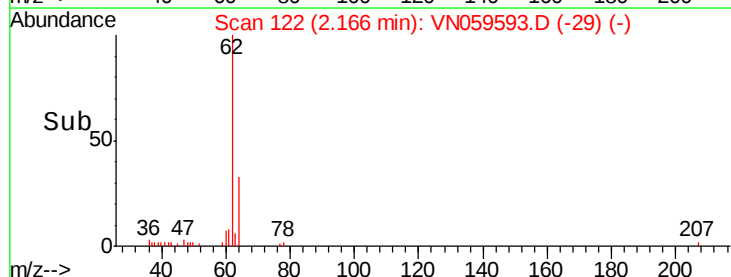
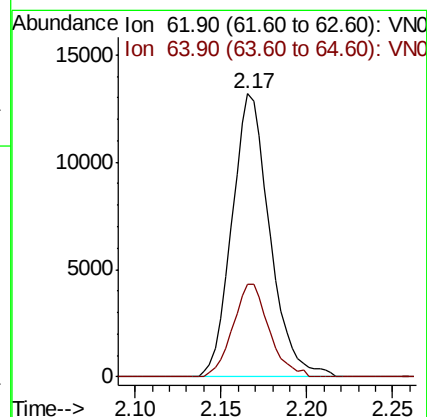
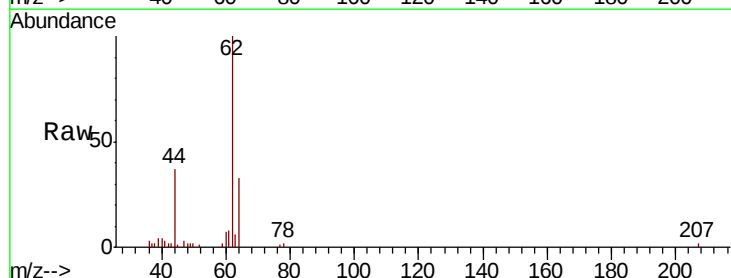
Acq: 13 Dec 2019 18:56

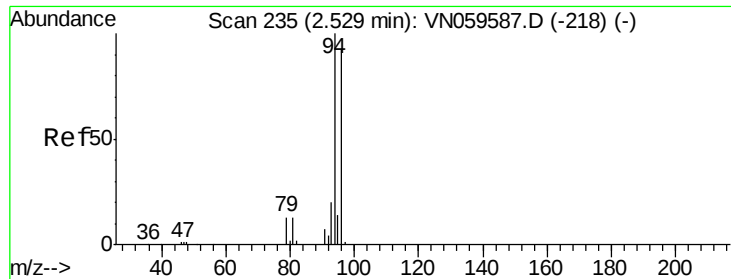
Tgt Ion: 62 Resp: 20144

Ion Ratio Lower Upper

62 100

64 32.7 24.6 37.0

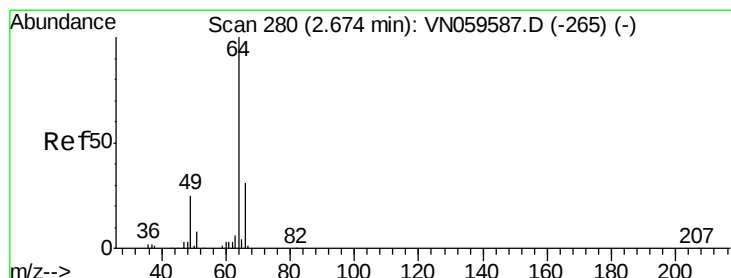
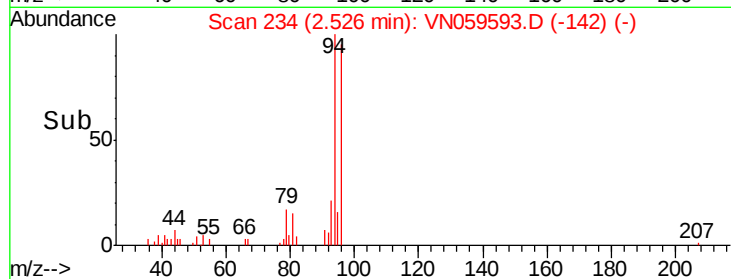
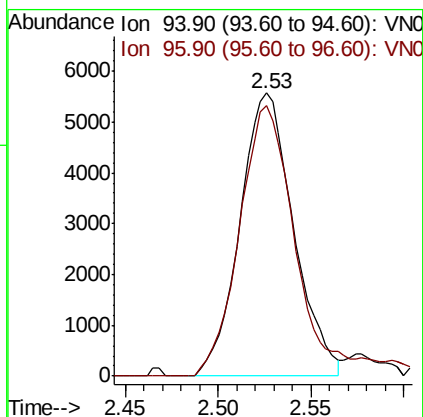
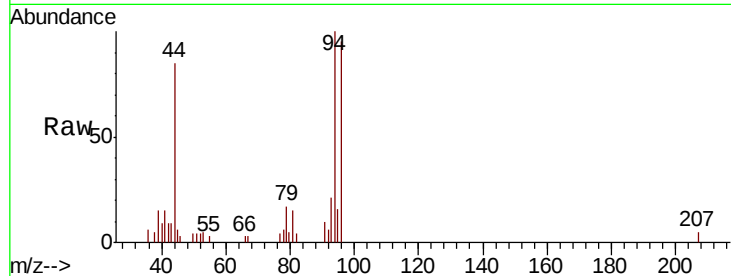




#5
Bromomethane
Concen: 4.348 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

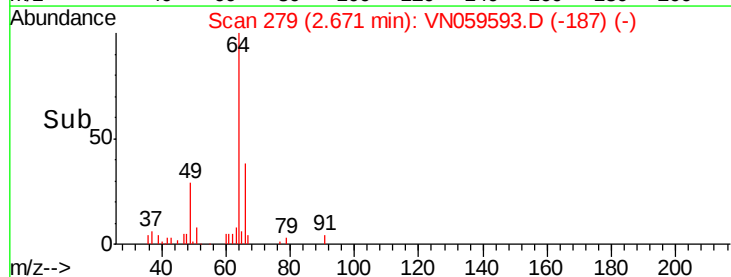
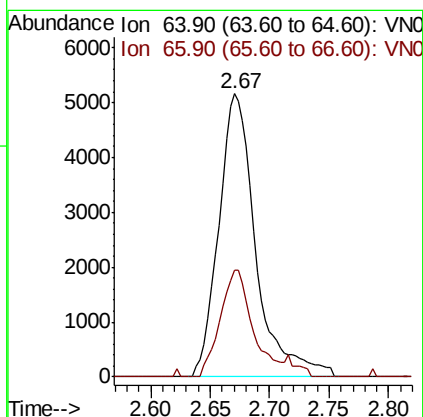
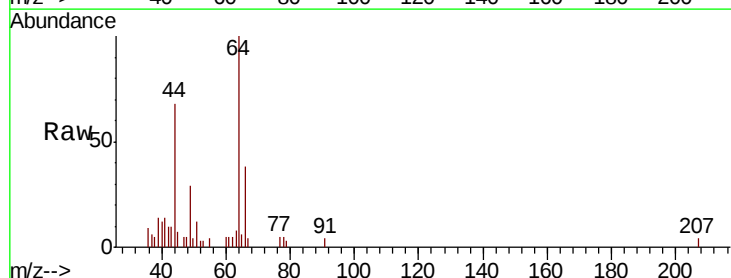
Instrument :
MSVOA_N
ClientSampleId :

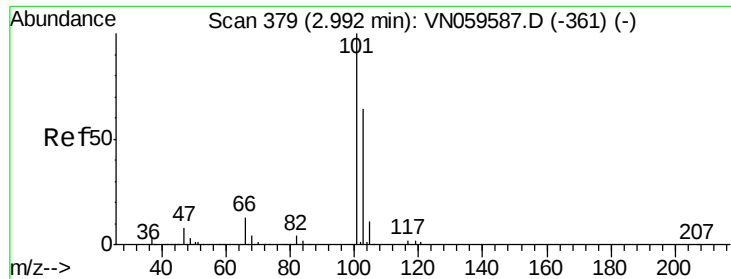
Tot Ion: 94 Resp: 11206
Ion Ratio Lower Upper
94 100
96 95.5 74.7 112.1



#6
Chloroethane
Concen: 4.446 ug/l
RT: 2.67 min Scan# 279
Delta R.T. -0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 64 Resp: 11123
Ion Ratio Lower Upper
64 100
66 37.5 25.1 37.7



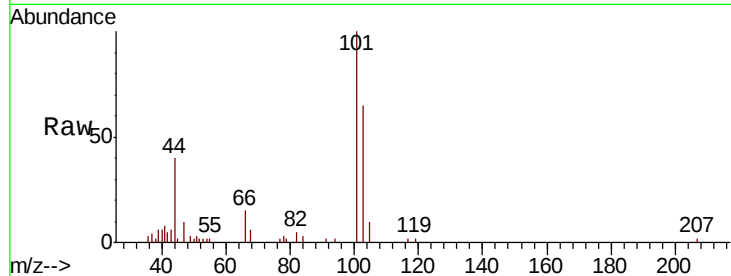


#7

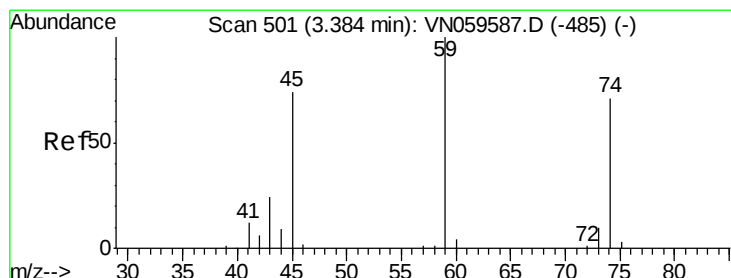
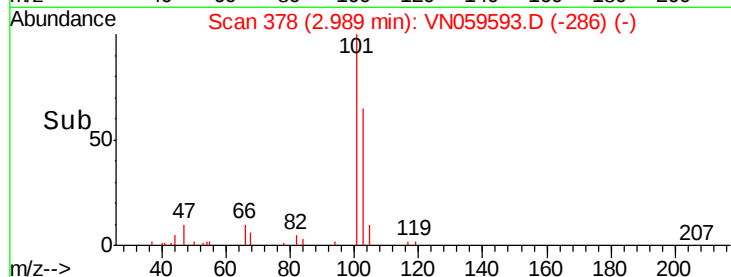
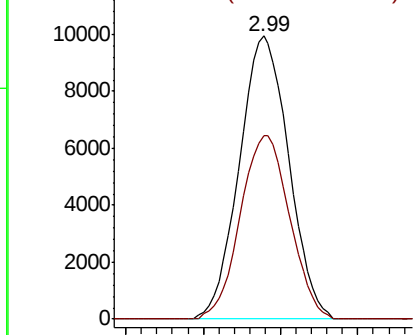
Trichlorofluoromethane
 Concen: 4.396 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 22074
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.0 76.6



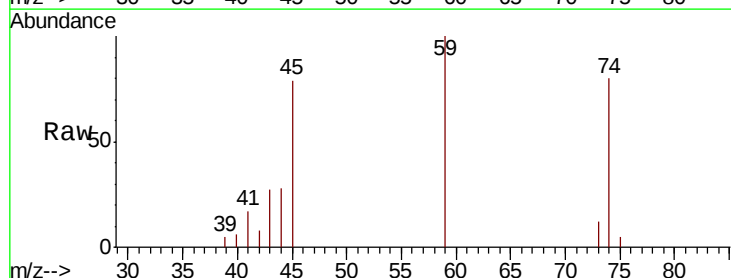
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



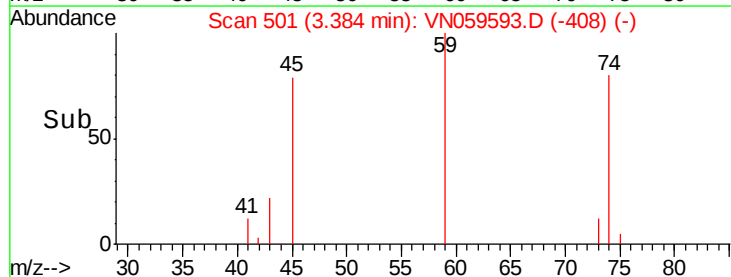
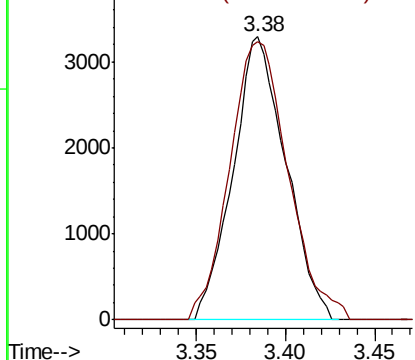
#8

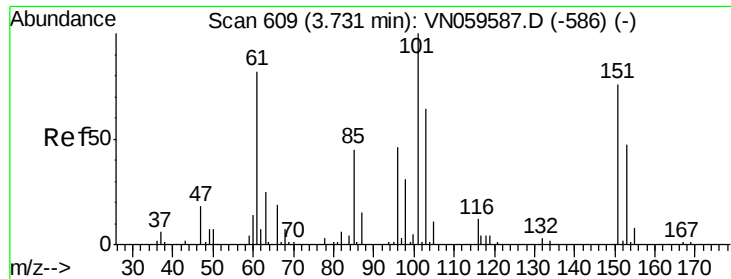
Diethyl Ether
 Concen: 3.972 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion: 74 Resp: 6784
 Ion Ratio Lower Upper
 74 100
 45 108.9 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.276 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

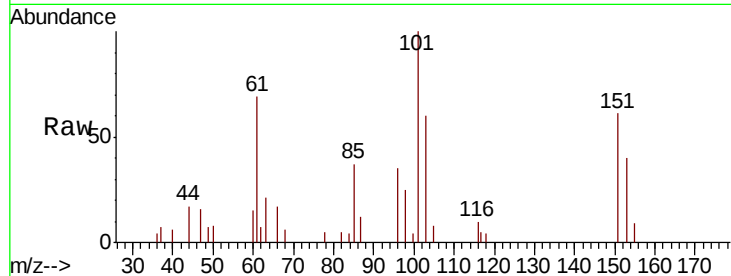
Tot Ion:101 Resp: 11081

Ion Ratio Lower Upper

101 100

85 42.1 36.6 54.8

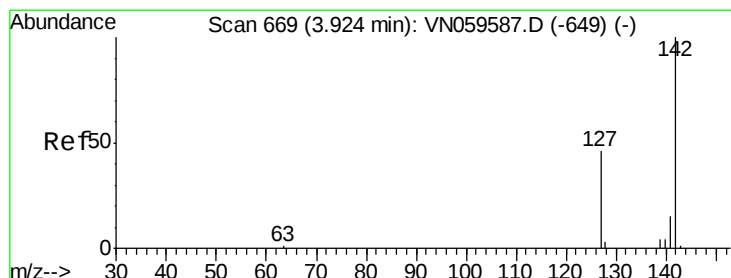
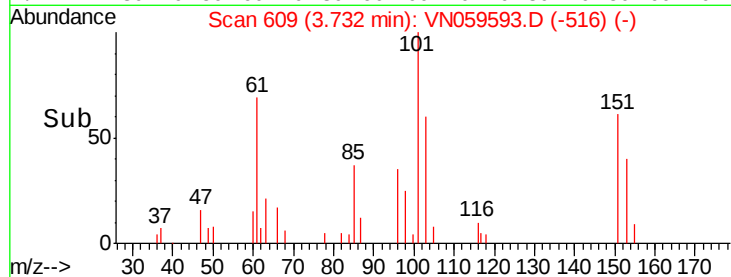
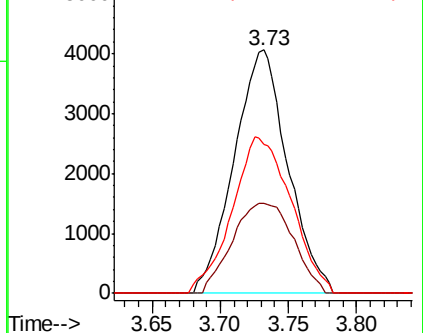
151 70.6 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.547 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

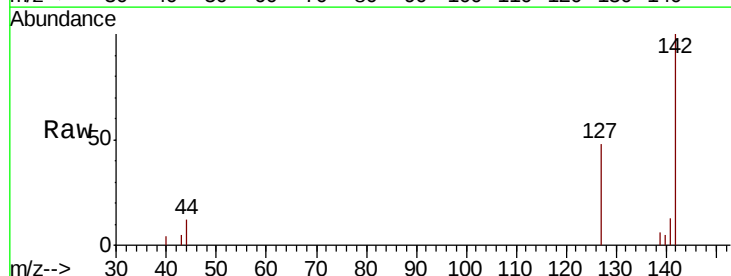
Tgt Ion:142 Resp: 12563

Ion Ratio Lower Upper

142 100

127 47.1 36.7 55.1

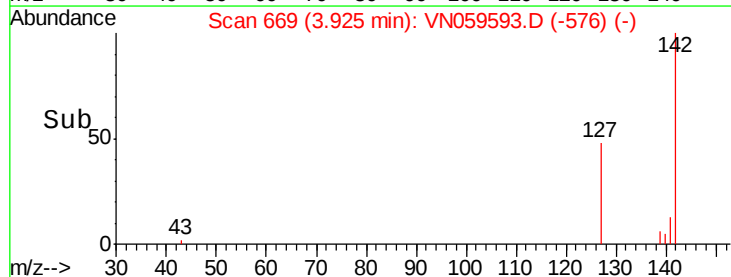
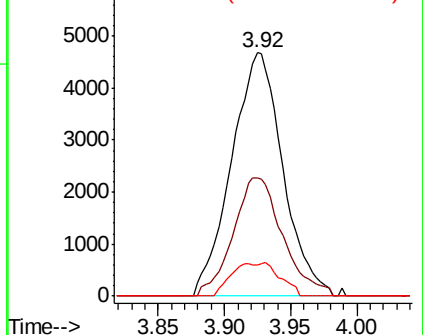
141 7.2 11.7 17.5#

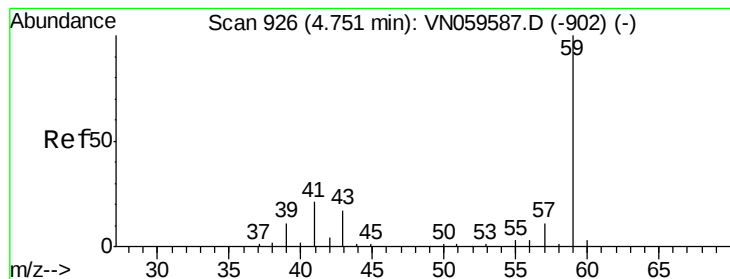


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



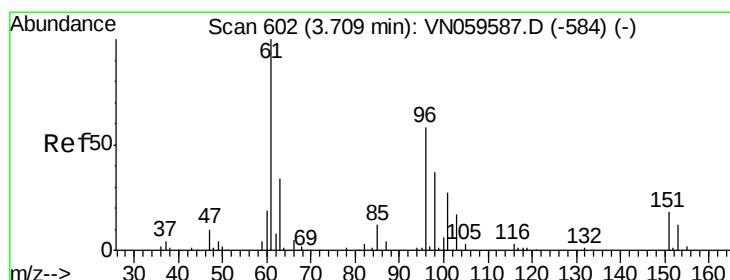
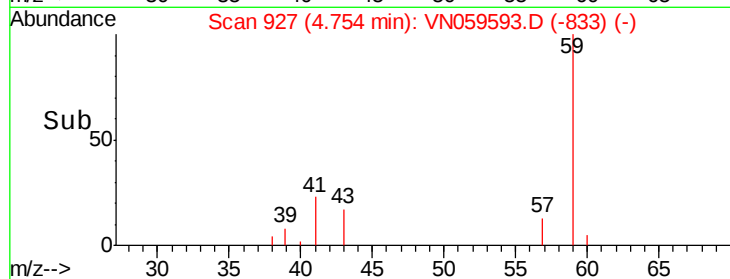
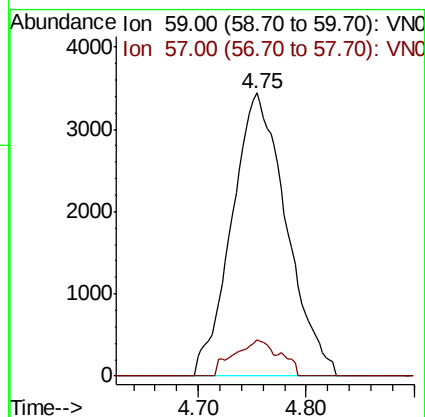
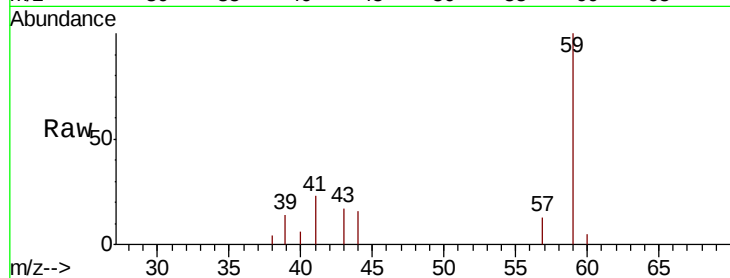


#11

Tert butyl alcohol
 Concen: 20.982 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :

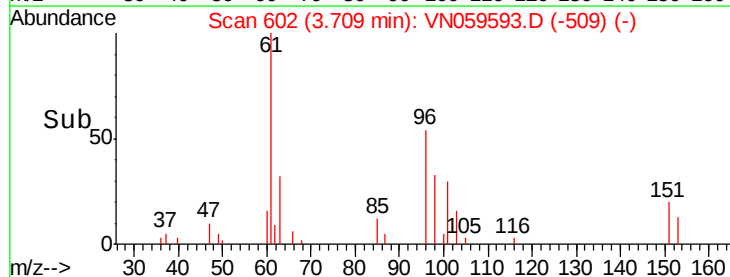
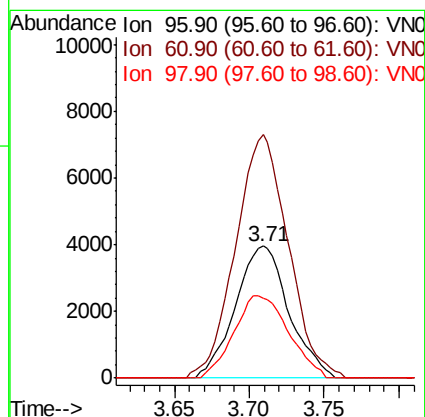
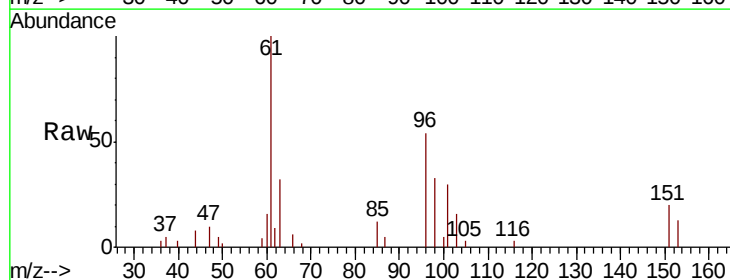
Tot Ion: 59 Resp: 12085
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.6 12.8

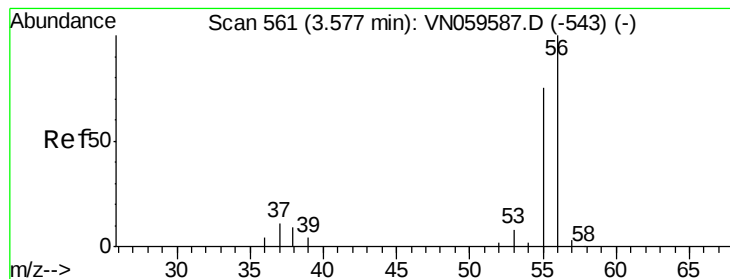


#12

1,1-Dichloroethene
 Concen: 3.885 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion: 96 Resp: 9842
 Ion Ratio Lower Upper
 96 100
 61 180.3 137.5 206.3
 98 60.4 50.2 75.4





#13

Acrolein

Concen: 16.538 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

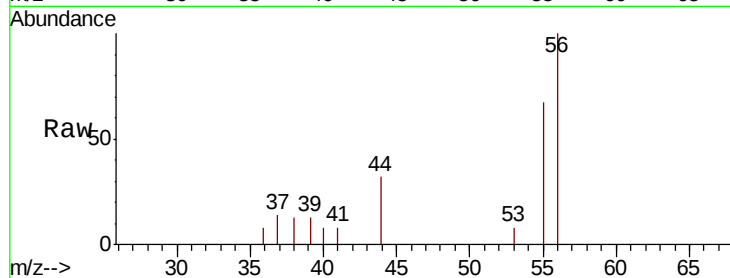
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 5431

Ion Ratio Lower Upper

56 100

55 67.2 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) (-)

3.58

2000

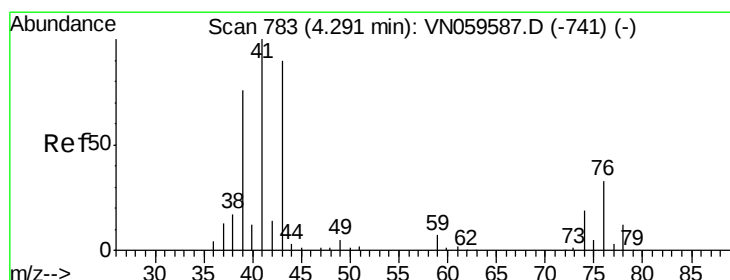
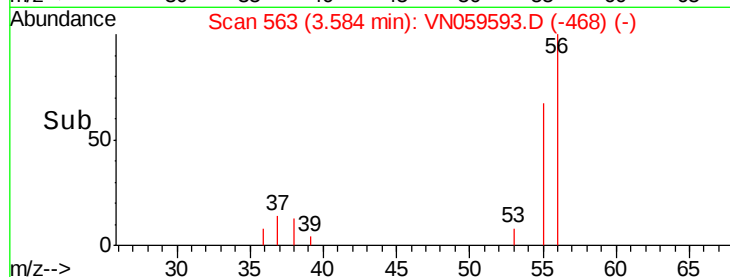
1500

1000

500

0

Time-->



#14

Allyl chloride

Concen: 4.040 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

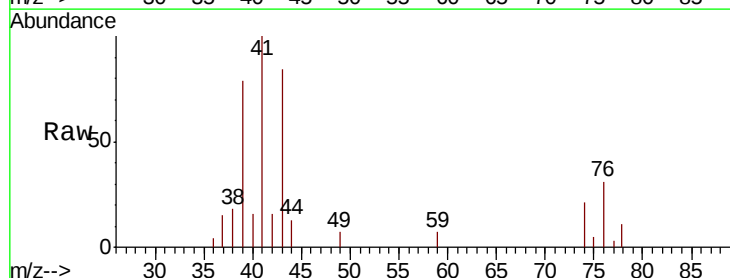
Tgt Ion: 41 Resp: 19633

Ion Ratio Lower Upper

41 100

39 68.4 57.8 86.8

76 30.2 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) (-)

4.29

8000

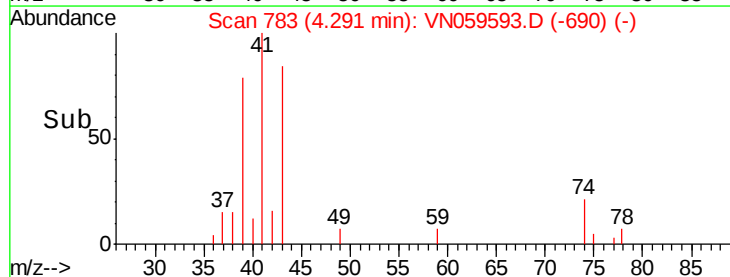
6000

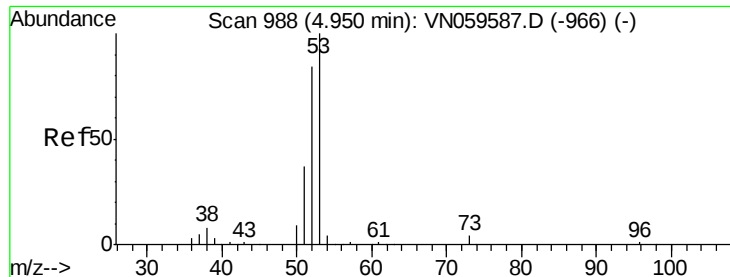
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 20.702 ug/l

RT: 4.96 min Scan# 990

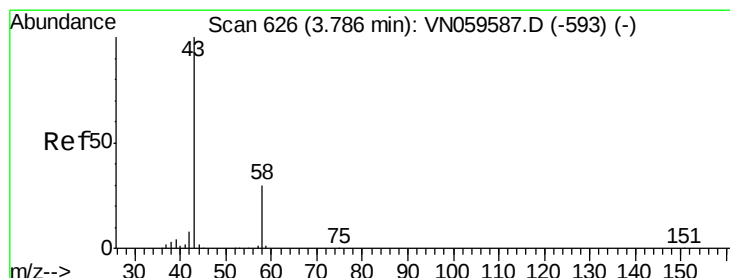
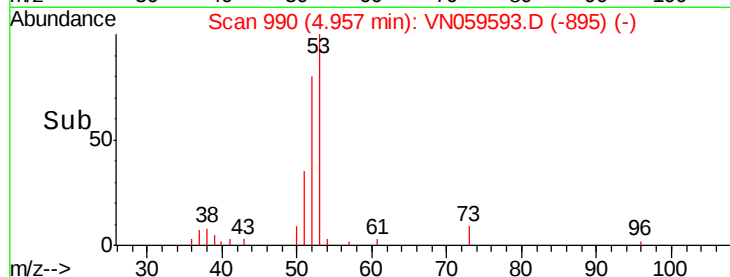
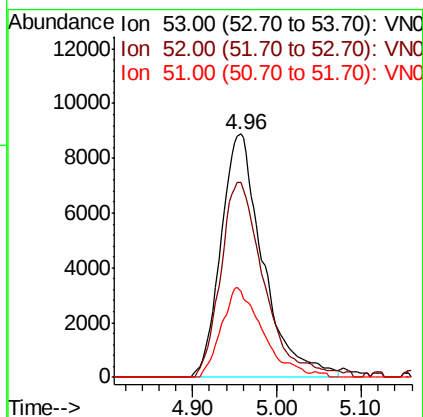
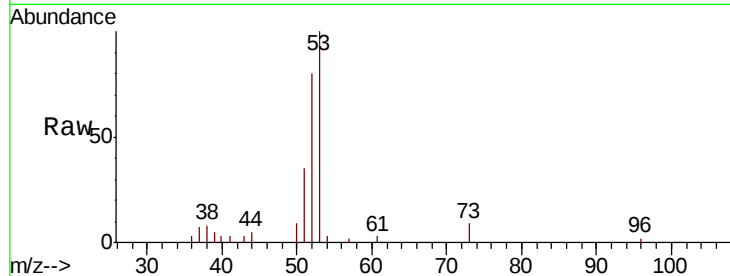
Delta R.T. 0.01 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	53	Resp:	30722
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.3	99.5
51	35.9	29.7	44.5



#16

Acetone

Concen: 23.317 ug/l

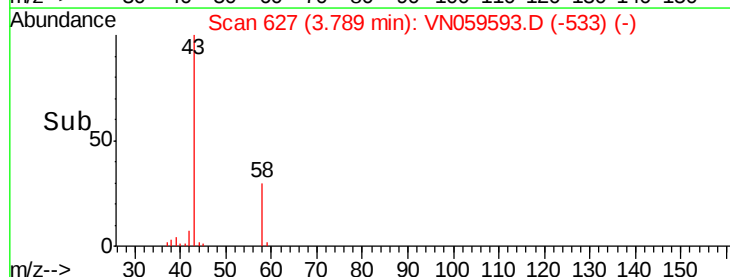
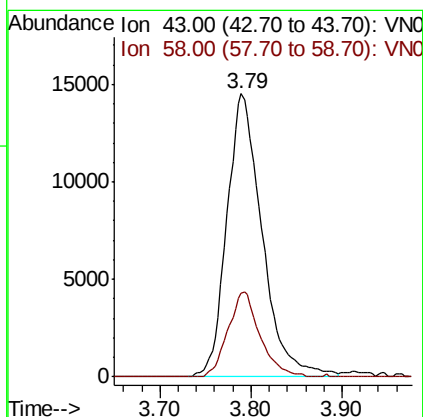
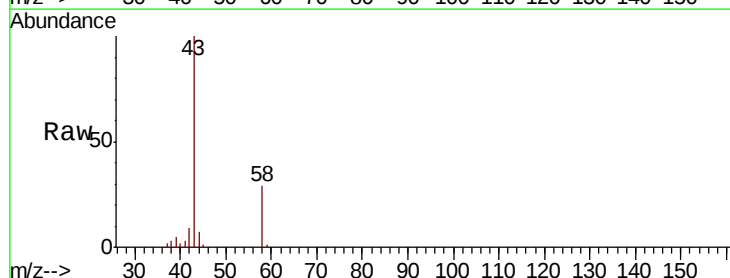
RT: 3.79 min Scan# 627

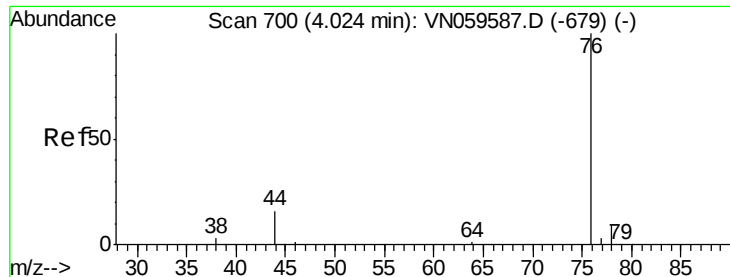
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	43	Resp:	39083
Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.6	35.4

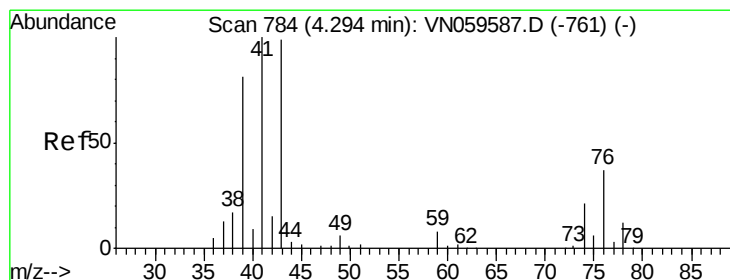
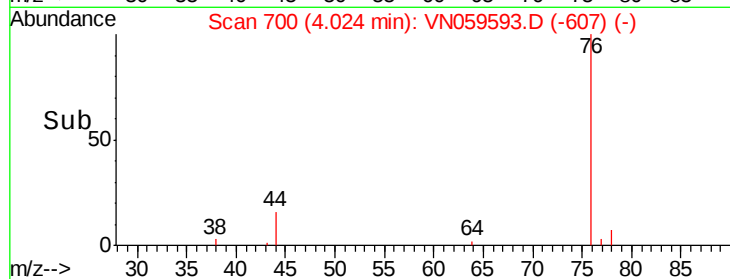
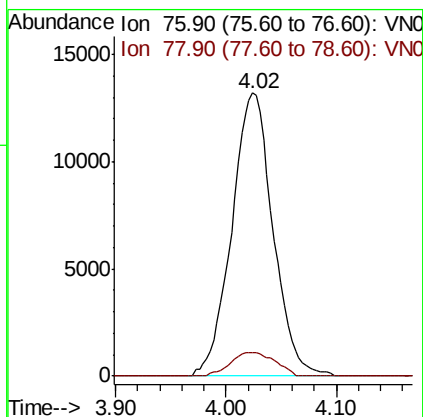
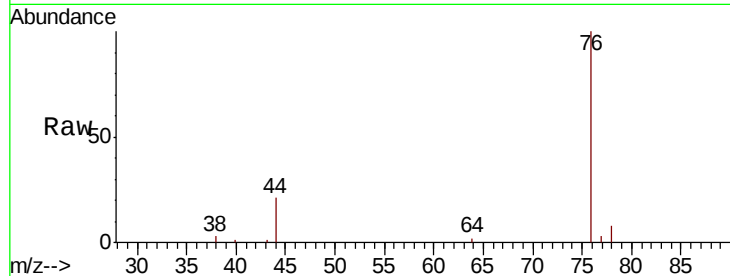




#17
Carbon Disulfide
Concen: 3.669 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

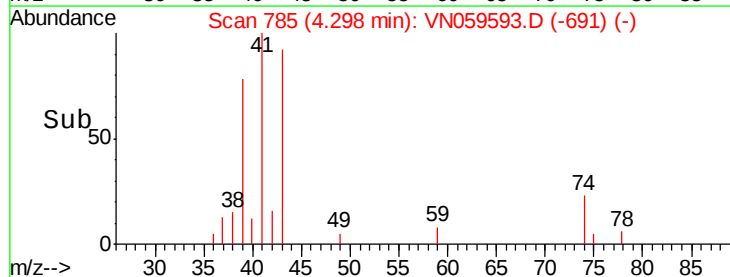
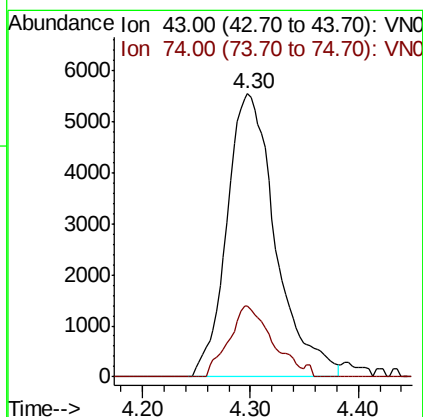
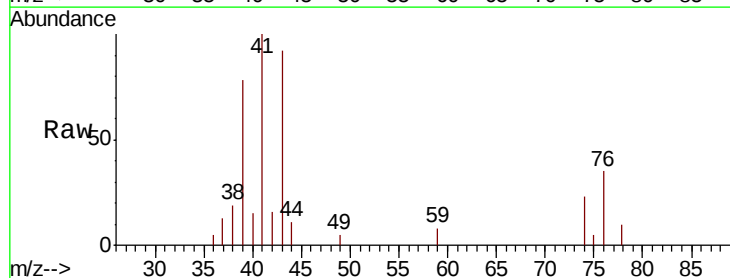
Instrument :
MSVOA_N
ClientSampled :

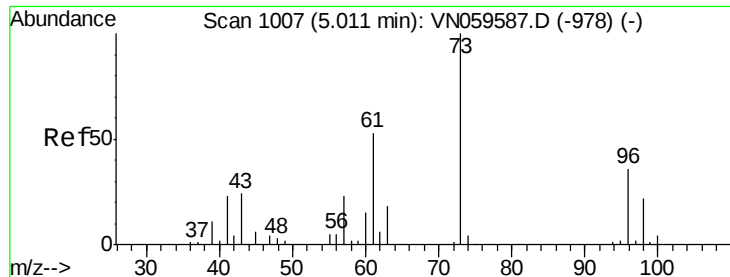
Tot Ion: 76 Resp: 34134
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#18
Methyl Acetate
Concen: 4.189 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 43 Resp: 17482
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3

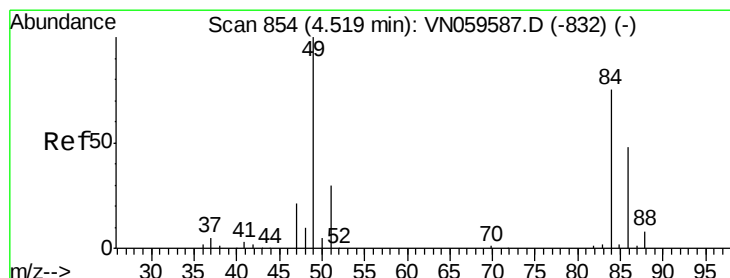
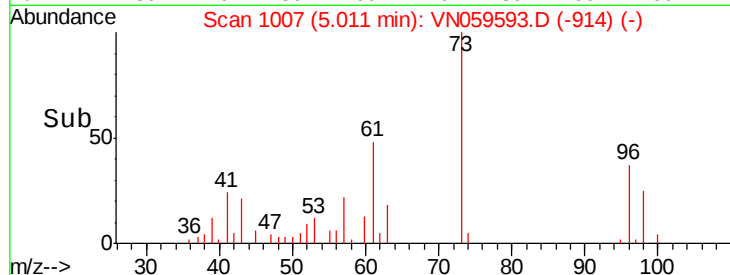
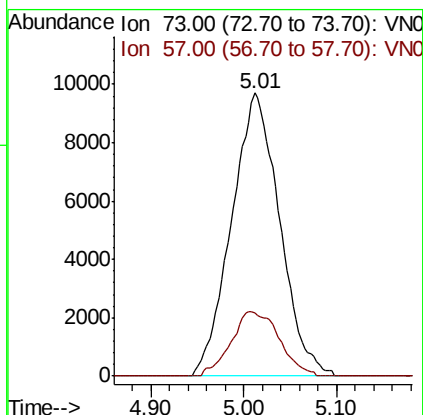
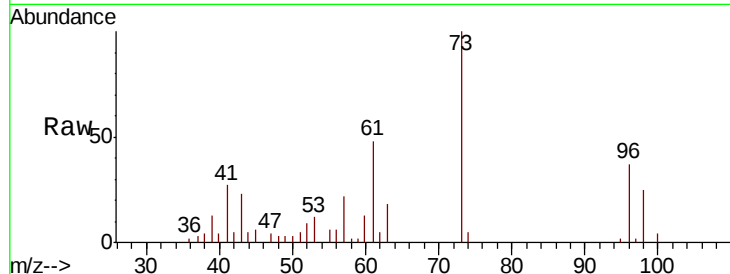




#19
Methvl tert-butvl Ether
Concen: 4.152 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

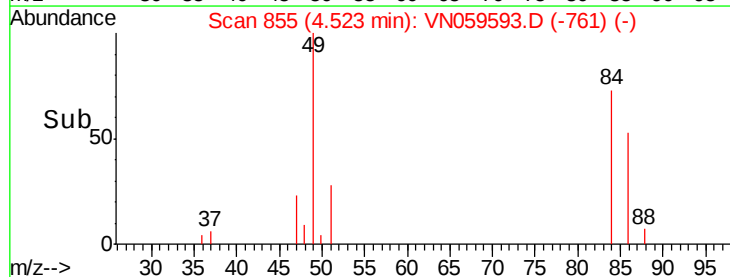
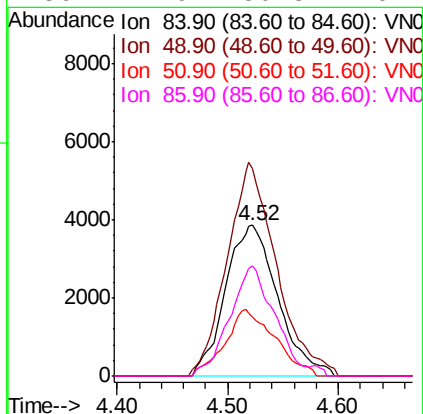
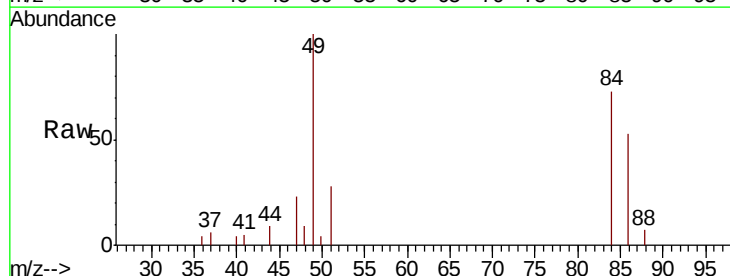
Instrument :
MSVOA_N
ClientSampled :

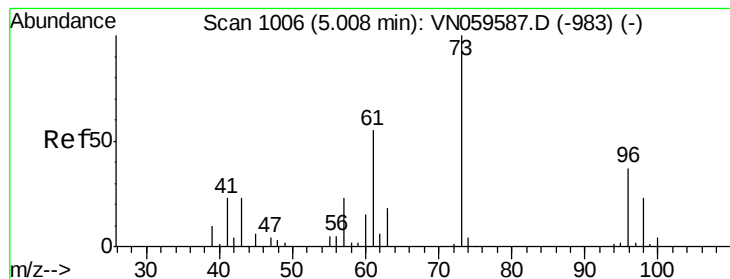
Tot Ion: 73 Resp: 34932
Ion Ratio Lower Upper
73 100
57 22.2 18.6 27.8



#20
Methylene Chloride
Concen: 3.946 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 84 Resp: 12670
Ion Ratio Lower Upper
84 100
49 137.2 106.6 160.0
51 38.7 31.9 47.9
86 72.9 50.8 76.2



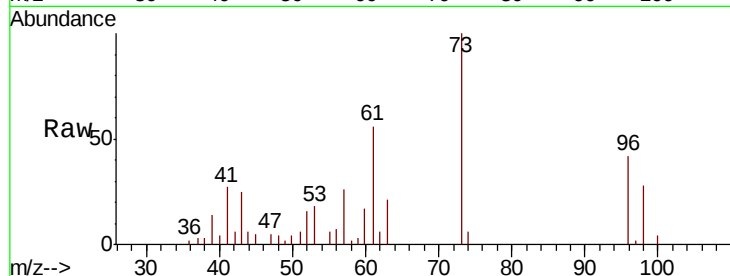


#21

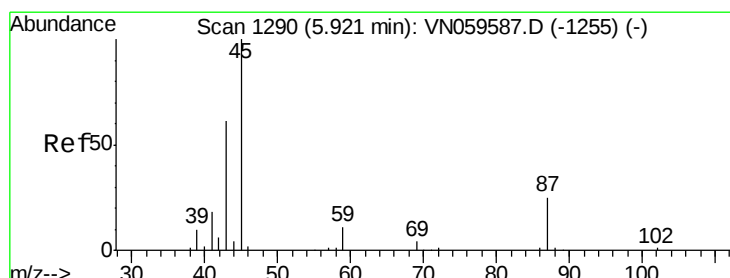
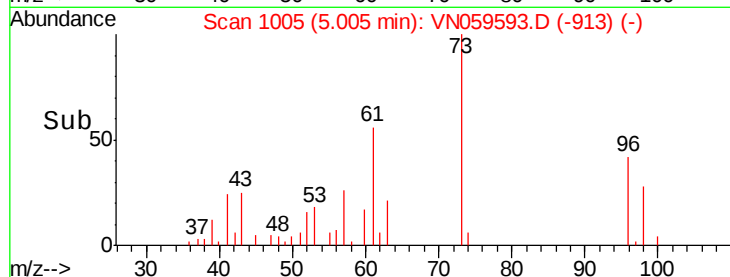
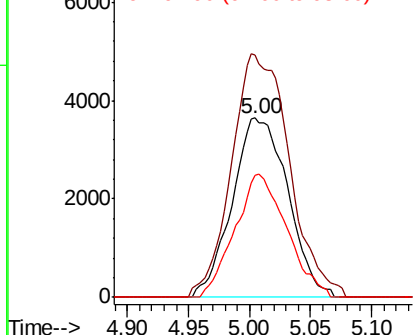
trans-1,2-Dichloroethene
Concen: 4.258 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 11539
Ion Ratio Lower Upper
96 100
61 134.8 120.4 180.6
98 68.0 50.6 75.8



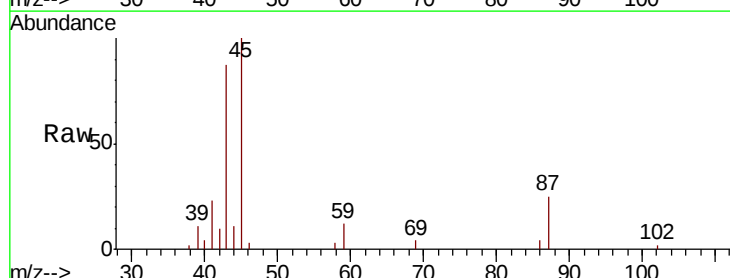
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



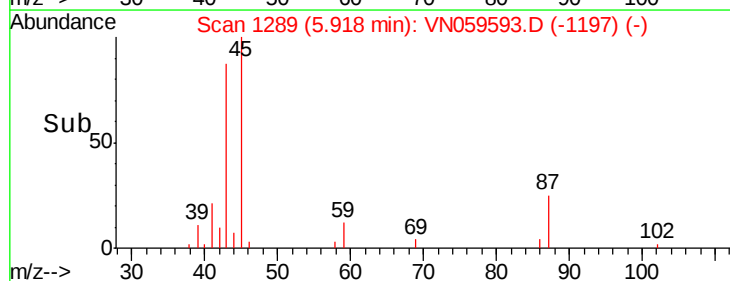
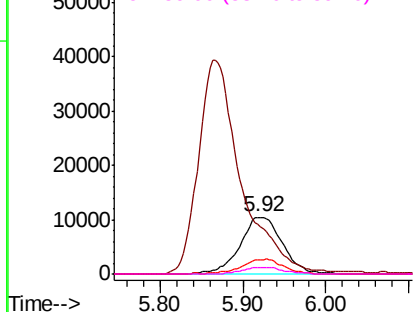
#22

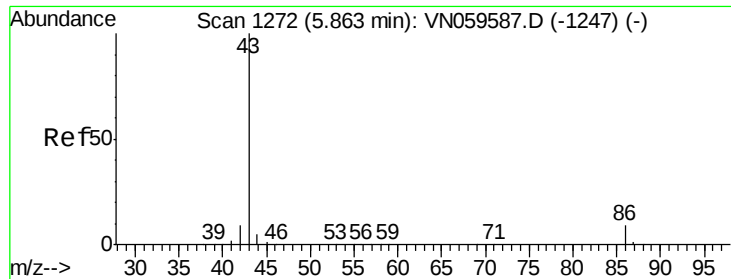
Diisopropyl ether
Concen: 3.998 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 45 Resp: 36969
Ion Ratio Lower Upper
45 100
43 82.7 50.8 76.2#
87 25.3 21.0 31.6
59 11.9 9.1 13.7



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





#23

Vinyl Acetate

Concen: 18.324 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

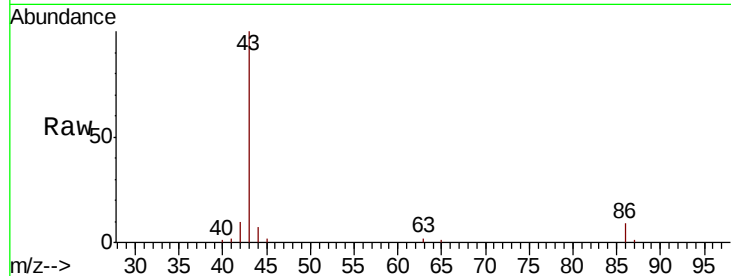
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 140357

Ion Ratio Lower Upper

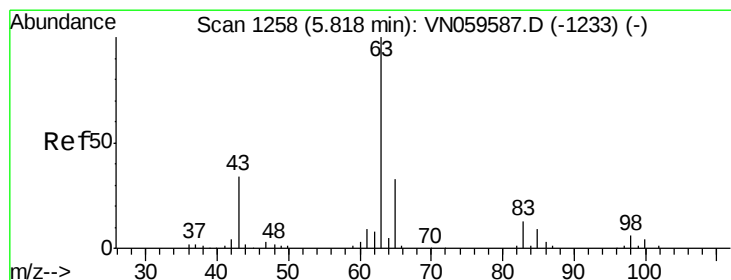
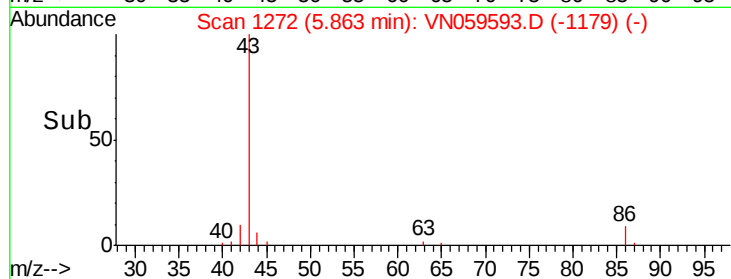
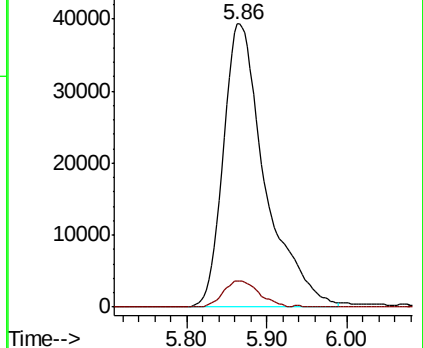
43 100

86 9.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 4.211 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

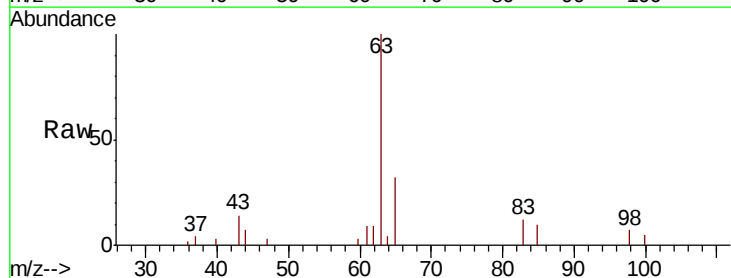
Tgt Ion: 63 Resp: 22138

Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.7

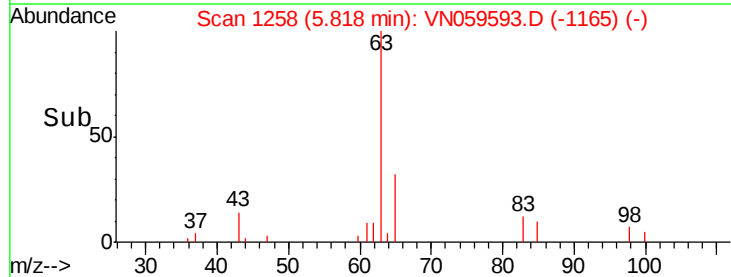
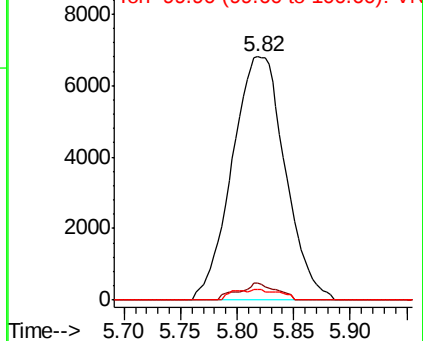
100 4.6 2.0 6.0

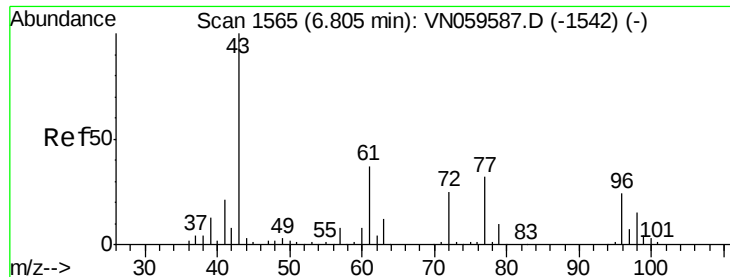


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 21.183 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

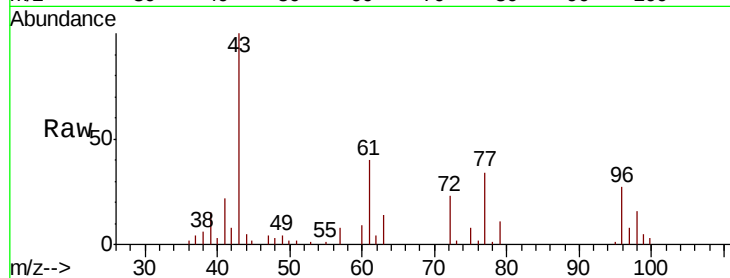
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 46056

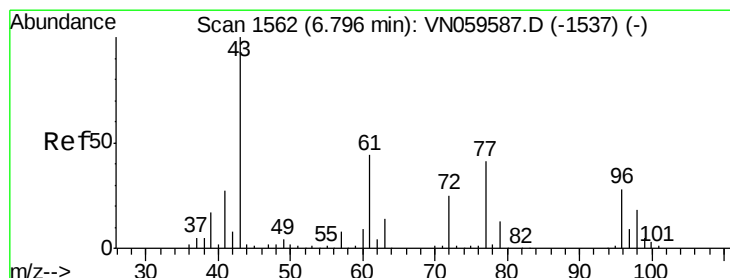
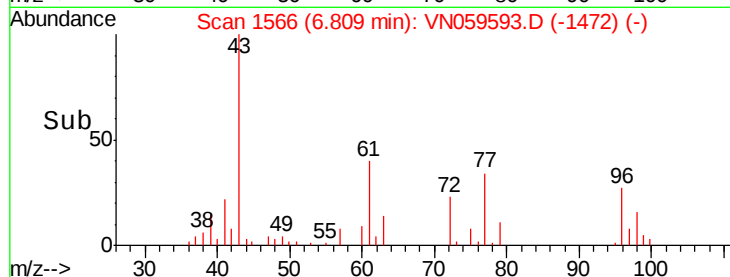
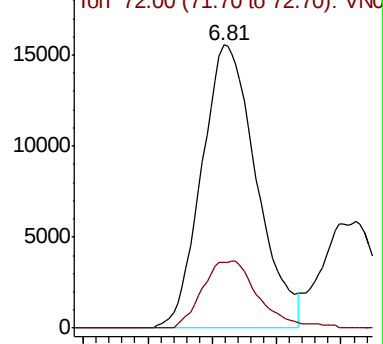
Ion Ratio Lower Upper

43 100

72 23.4 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1542) (-)



#26

2,2-Dichloropropane

Concen: 4.179 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059593.D

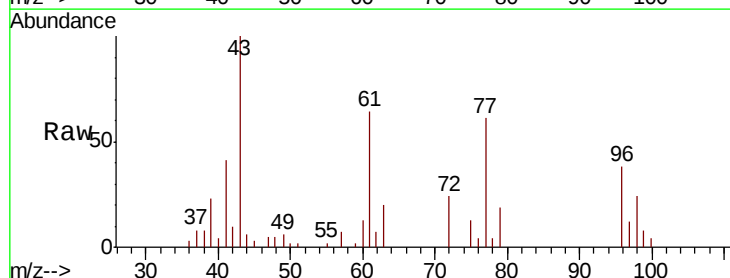
Acq: 13 Dec 2019 18:56

Tgt Ion: 77 Resp: 19860

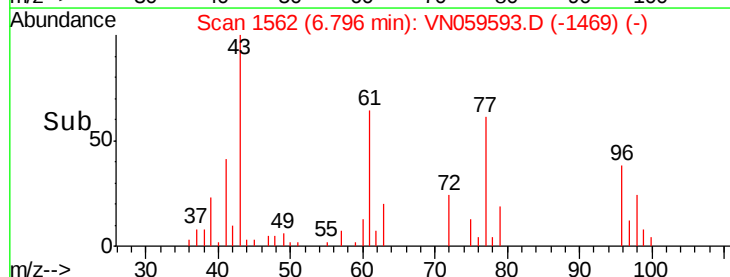
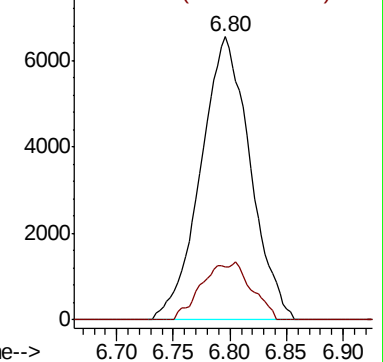
Ion Ratio Lower Upper

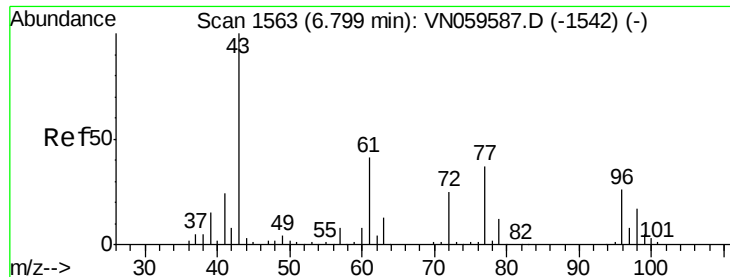
77 100

97 11.6 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059587.D (-1537) (-)





#27

cis-1,2-Dichloroethene

Concen: 4.117 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :

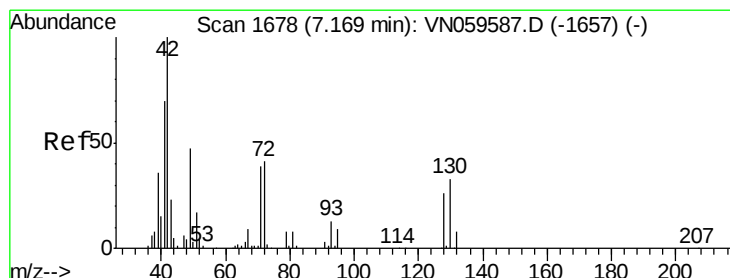
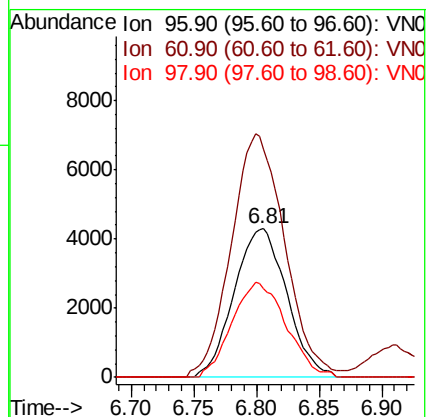
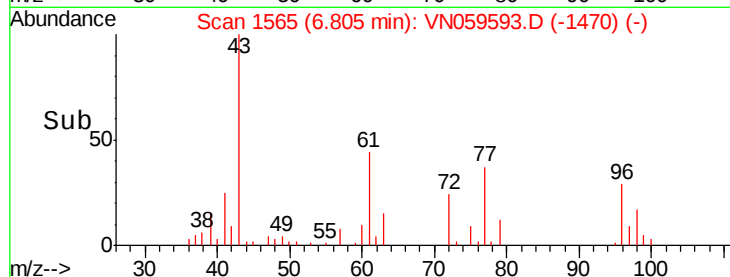
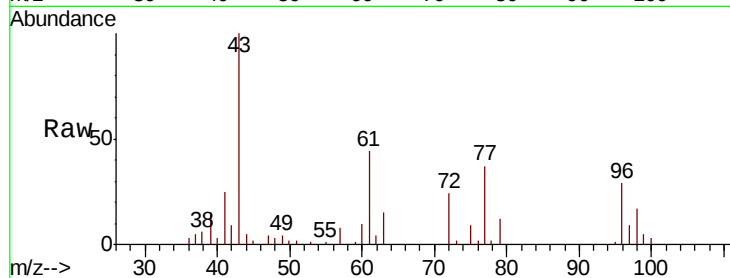
Tot Ion: 96 Resp: 12567

Ion Ratio Lower Upper

96 100

61 165.8 0.0 317.6

98 65.5 0.0 127.0



#28

Bromochloromethane

Concen: 2.924 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

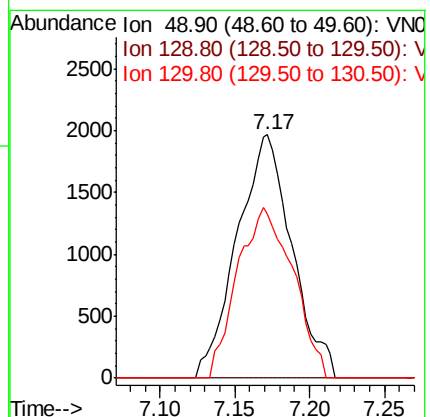
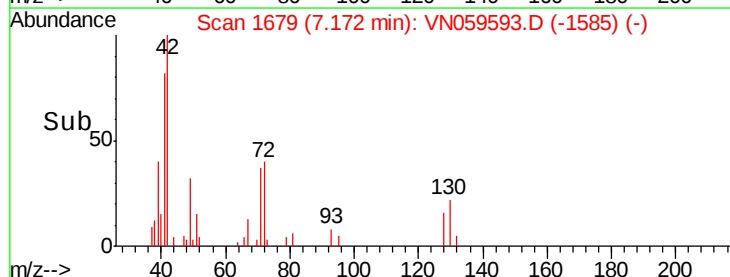
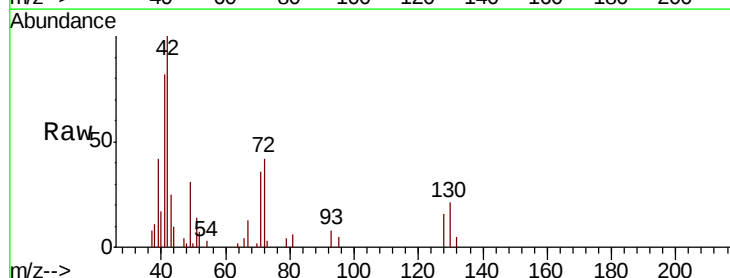
Tgt Ion: 49 Resp: 5005

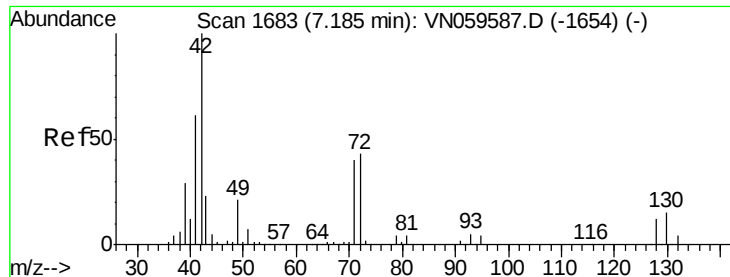
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 70.8 54.7 82.1

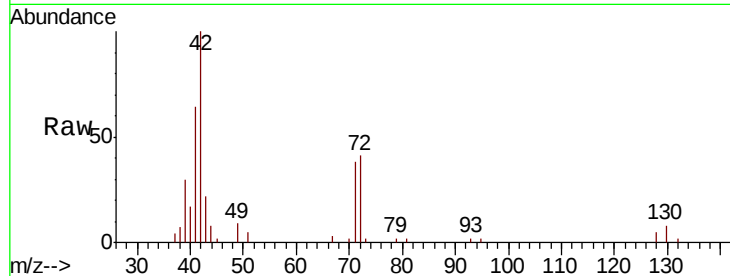




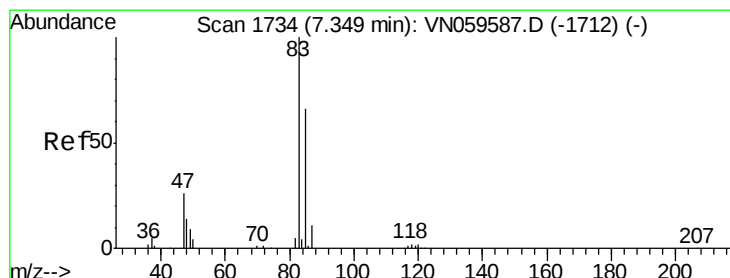
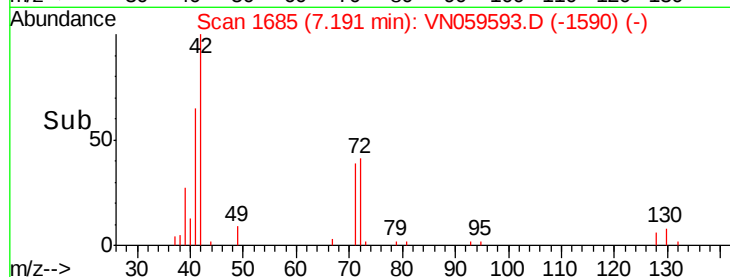
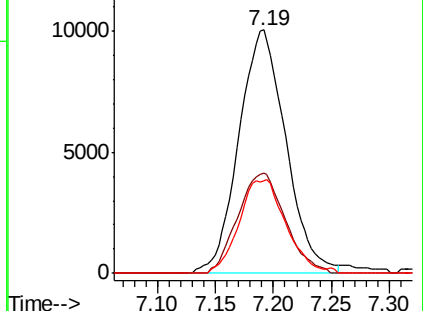
#29
Tetrahydrofuran
Concen: 19.132 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 28381
Ion Ratio Lower Upper
42 100
72 41.3 33.1 49.7
71 38.1 31.4 47.0

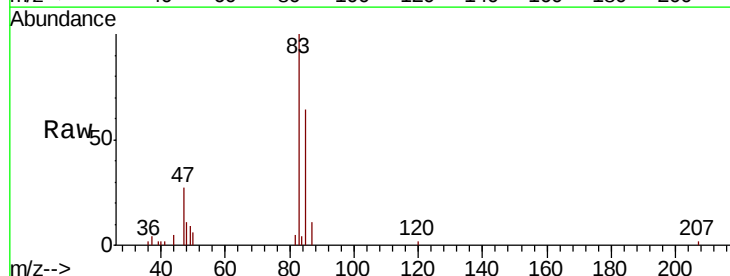


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

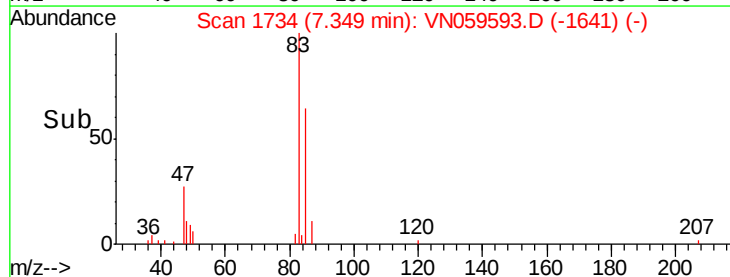
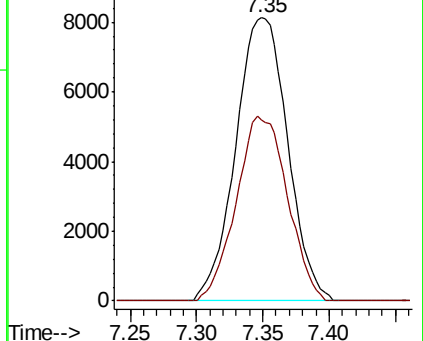


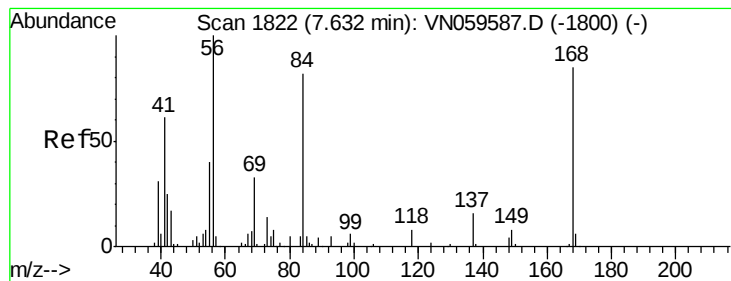
#30
Chloroform
Concen: 4.261 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 83 Resp: 22088
Ion Ratio Lower Upper
83 100
85 64.1 52.4 78.6



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





#31

Cyclohexane

Concen: 4.564 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

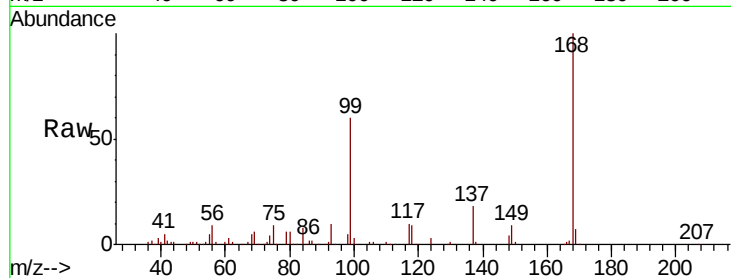
Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

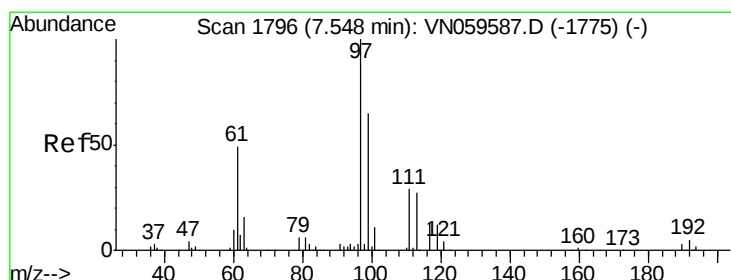
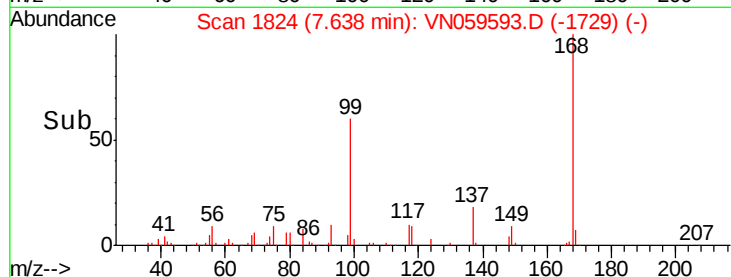
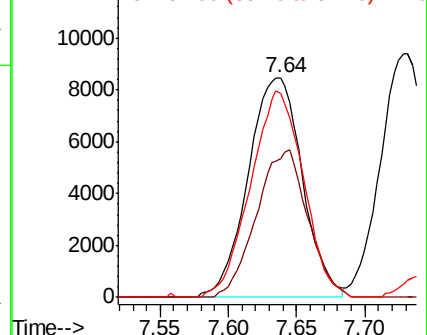
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 23322

Ion	Ratio	Lower	Upper
56	100		
69	63.0	26.5	39.7#
84	93.2	65.3	97.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 4.051 ug/l

RT: 7.55 min Scan# 1796

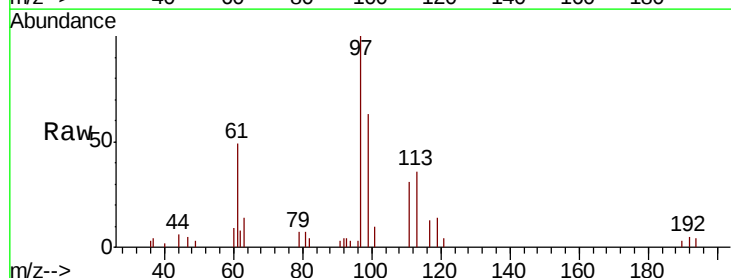
Delta R.T. 0.00 min

Lab File: VN059593.D

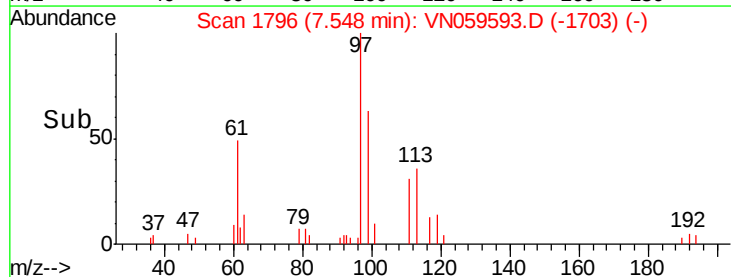
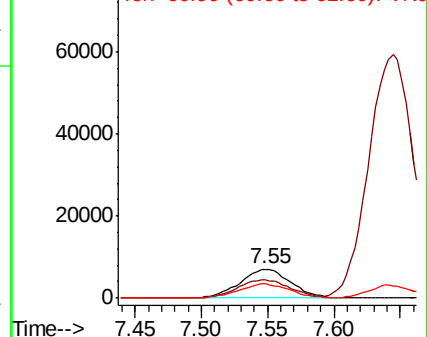
Acq: 13 Dec 2019 18:56

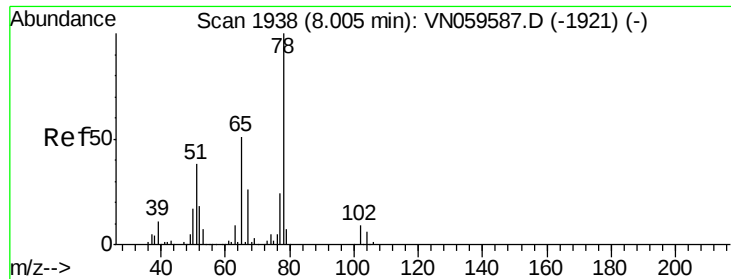
Tgt Ion: 97 Resp: 18640

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	48.8	38.5	57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

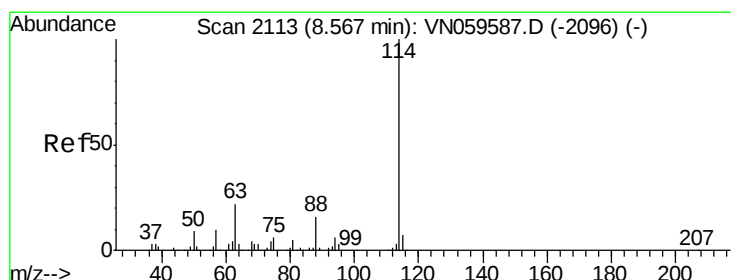
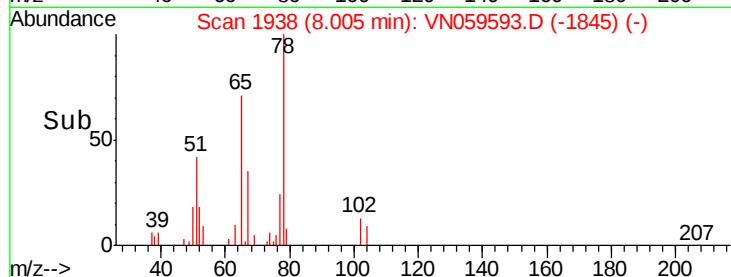
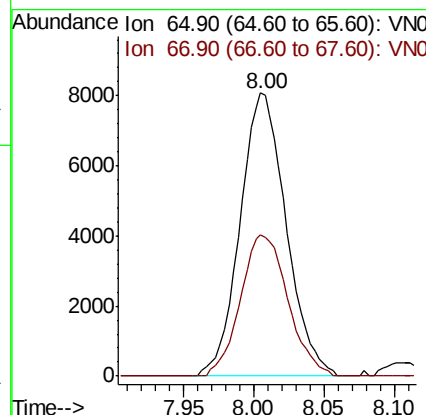
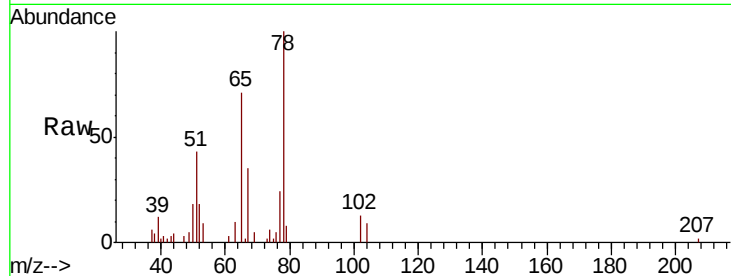




#33
 1,2-Dichloroethane-d4
 Concen: 5.406 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

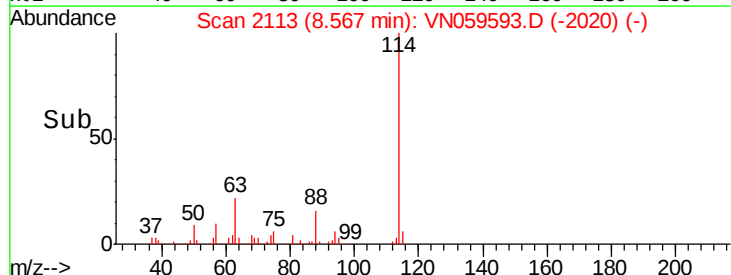
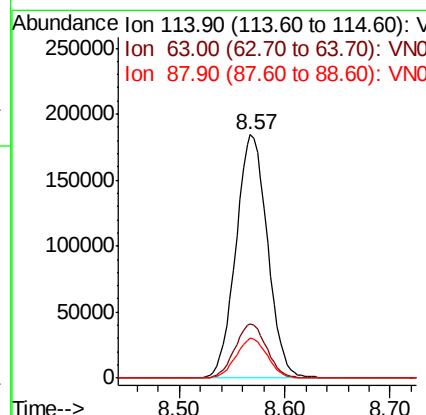
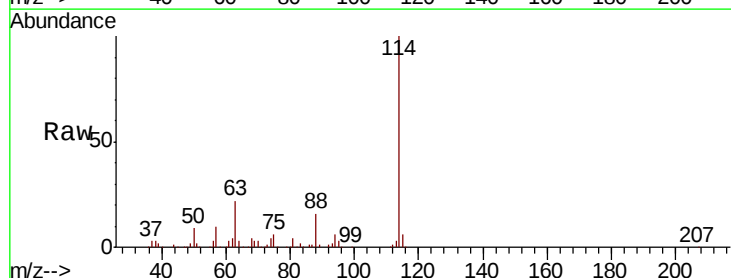
Instrument :
 MSVOA_N
 ClientSampleId :

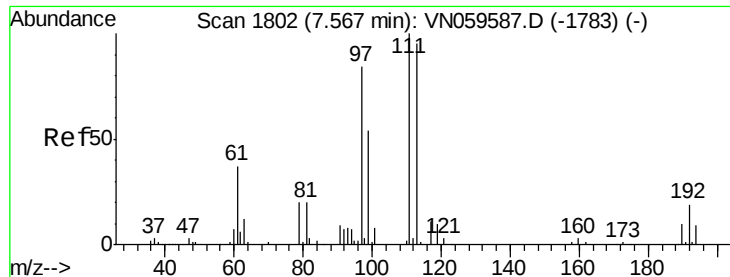
Tot Ion: 65 Resp: 18434
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion: 114 Resp: 383656
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.6
 88 16.3 0.0 31.4

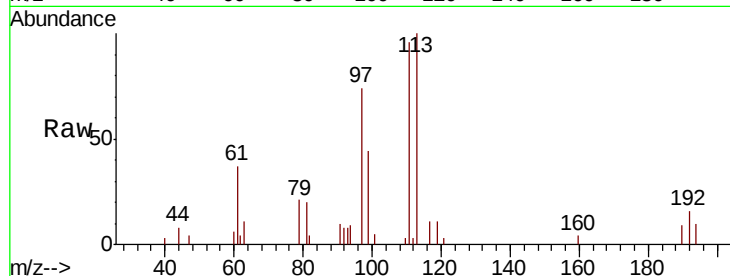




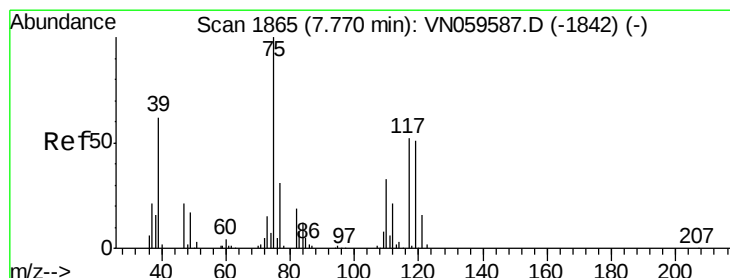
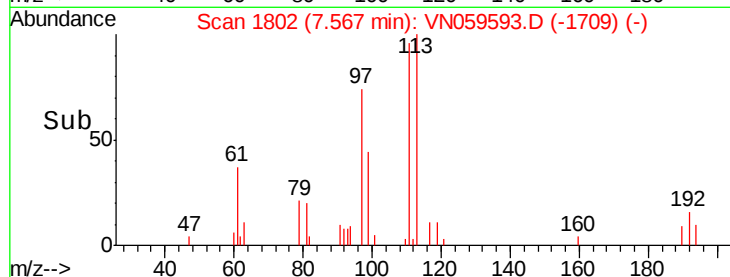
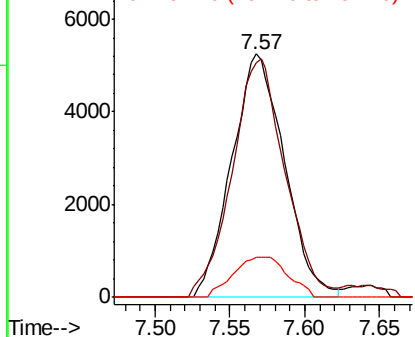
#35
 Dibromofluoromethane
 Concen: 5.540 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 12906
 Ion Ratio Lower Upper
 113 100
 111 97.8 83.5 125.3
 192 16.8 15.4 23.2

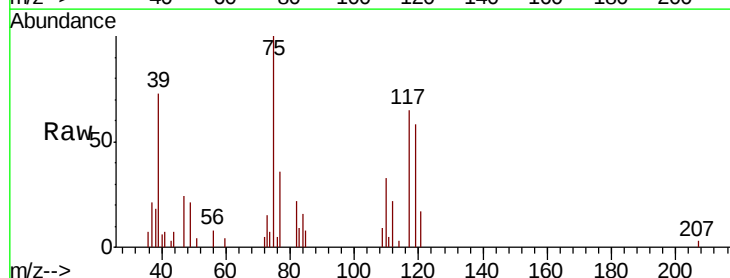


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

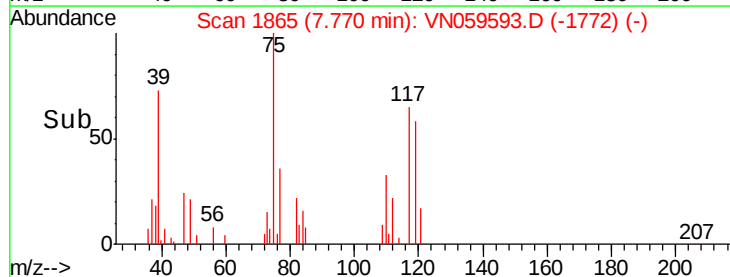
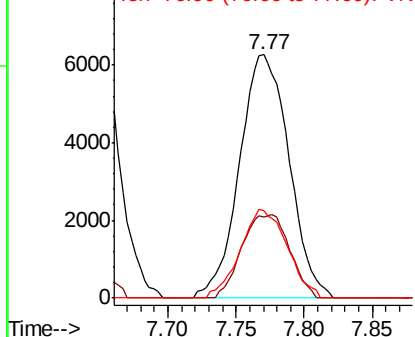


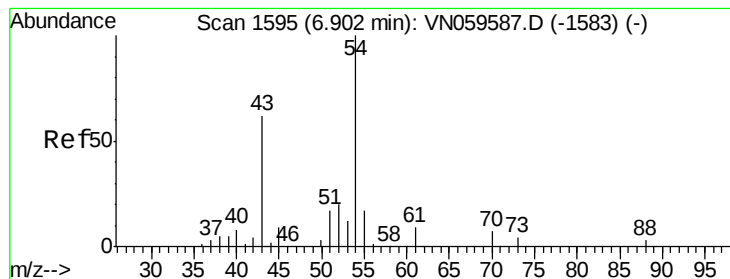
#36
 1,1-Dichloropropene
 Concen: 3.951 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion: 75 Resp: 15794
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.6 49.7
 77 34.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 4.181 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampled :

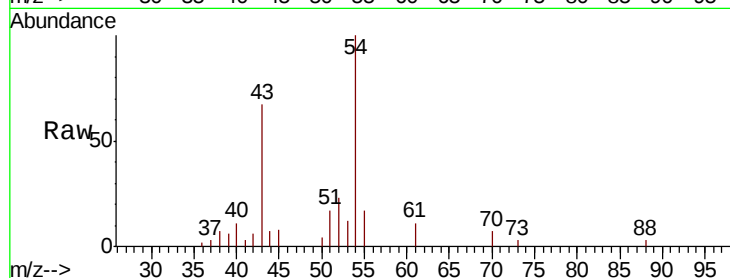
Tot Ion: 43 Resp: 17416

Ion Ratio Lower Upper

43 100

61 13.9 10.9 16.3

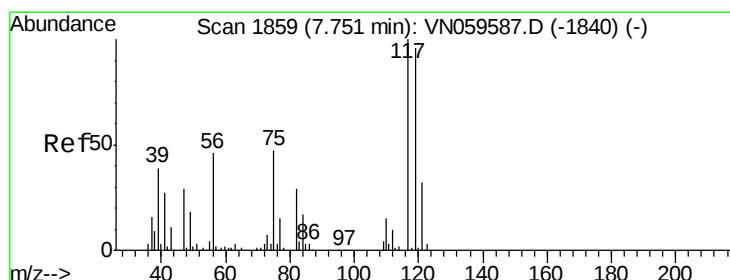
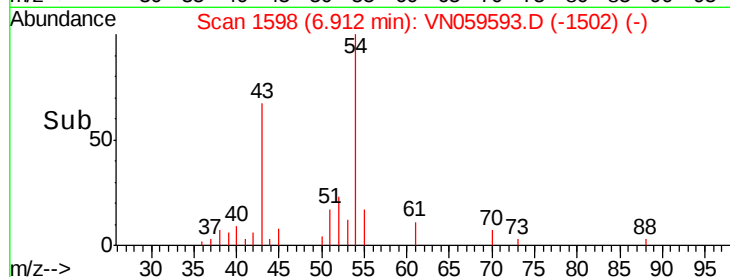
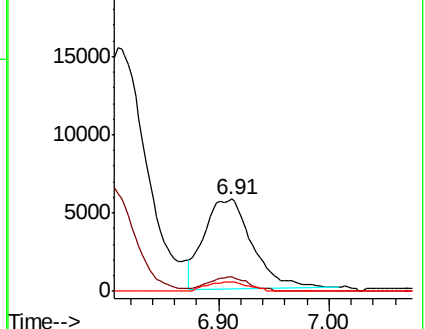
70 9.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1583) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-1583) (-)

Ion 70.00 (69.70 to 70.70): VN059587.D (-1583) (-)



#38

Carbon Tetrachloride

Concen: 4.367 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

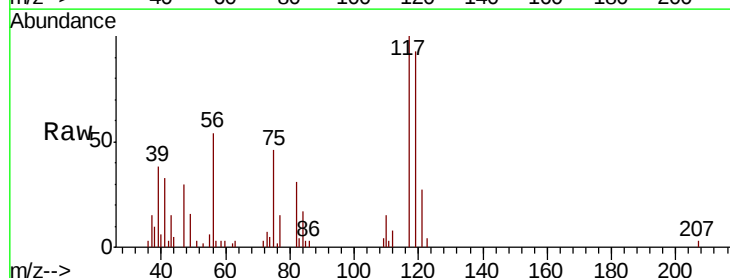
Tgt Ion: 117 Resp: 17250

Ion Ratio Lower Upper

117 100

119 92.7 76.5 114.7

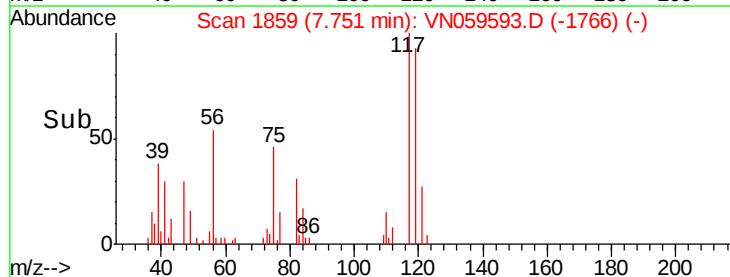
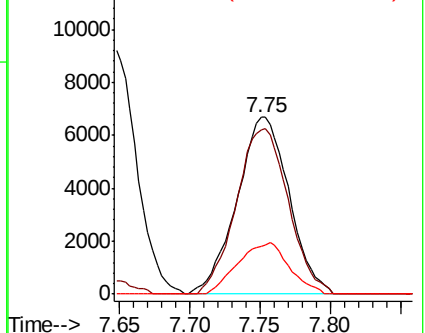
121 26.9 25.1 37.7

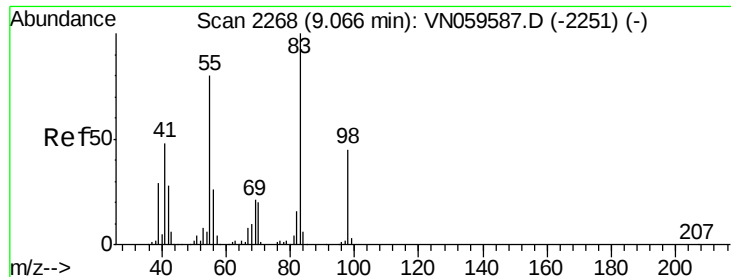


Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-1840) (-)

Ion 118.80 (118.50 to 119.50): VN059587.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN059587.D (-1840) (-)

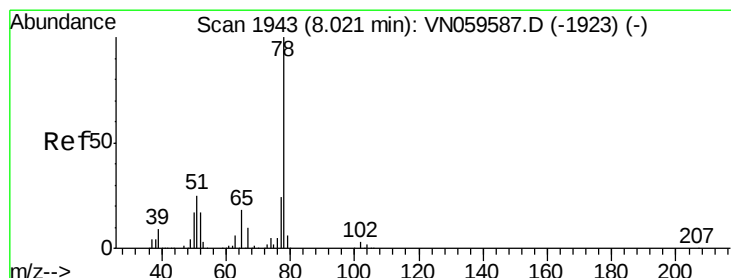
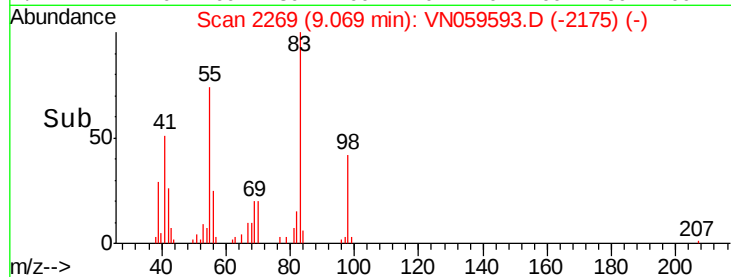
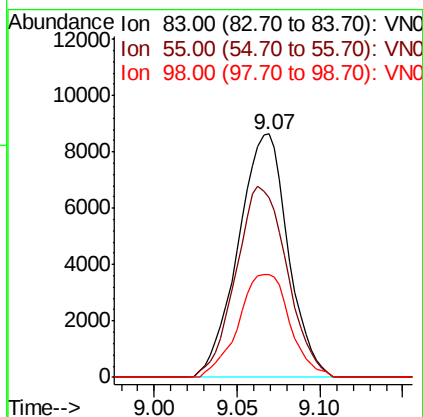
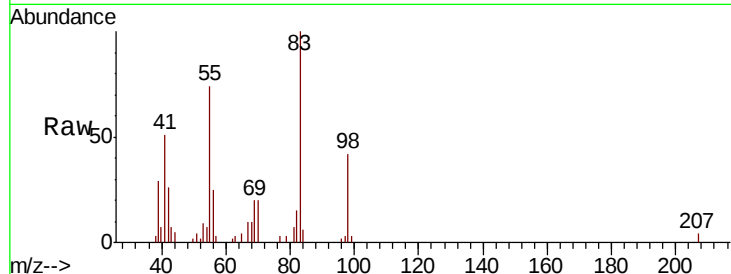




#39
Methvlcvclohexane
Concen: 4.044 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

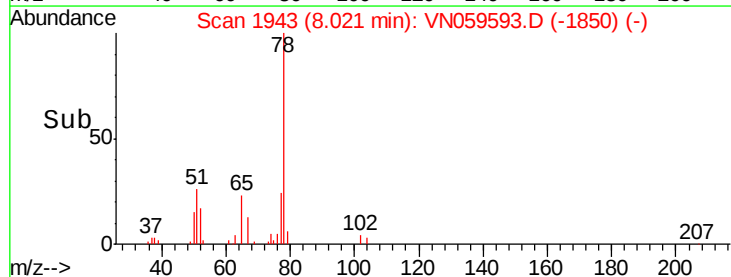
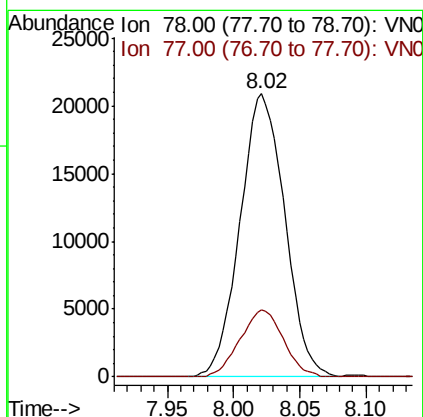
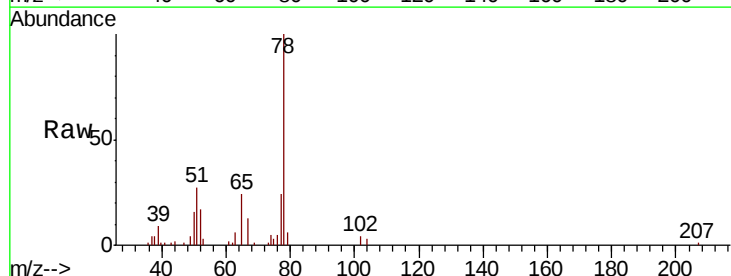
Instrument :
MSVOA_N
ClientSampled :

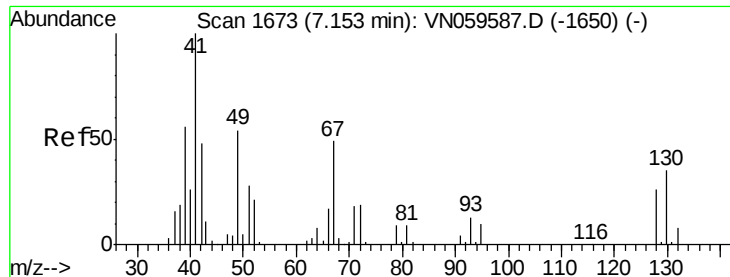
Tot Ion: 83 Resp: 18113
Ion Ratio Lower Upper
83 100
55 73.6 64.2 96.2
98 42.0 35.9 53.9



#40
Benzene
Concen: 4.286 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 78 Resp: 49048
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

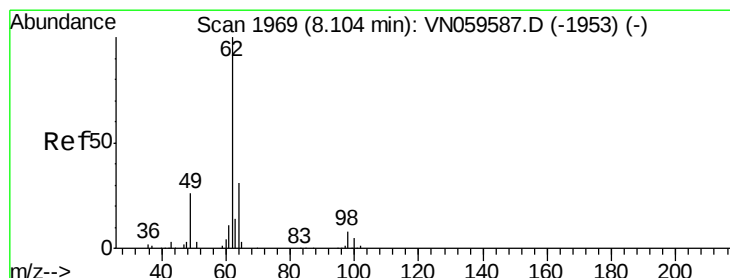
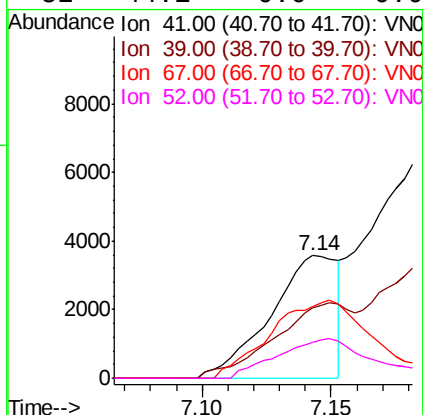
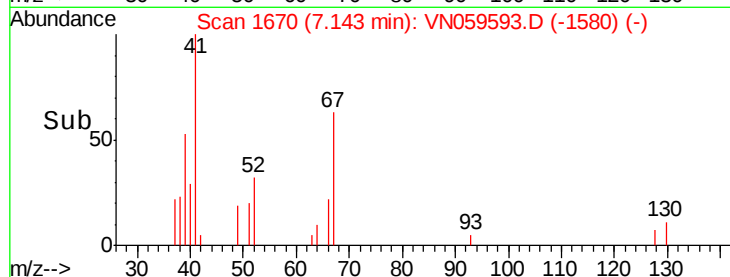
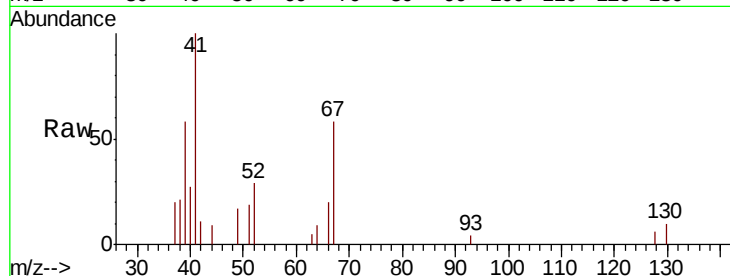




#41
Methacrylonitrile
Concen: 3.353 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

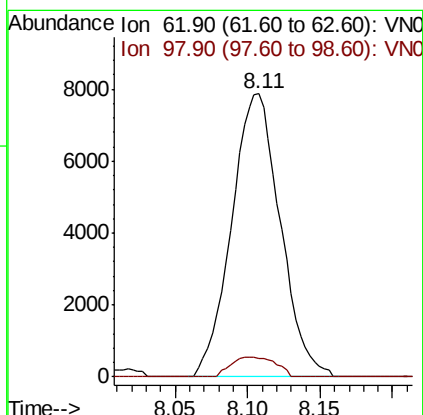
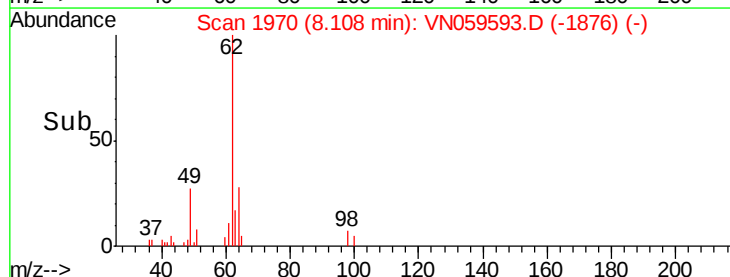
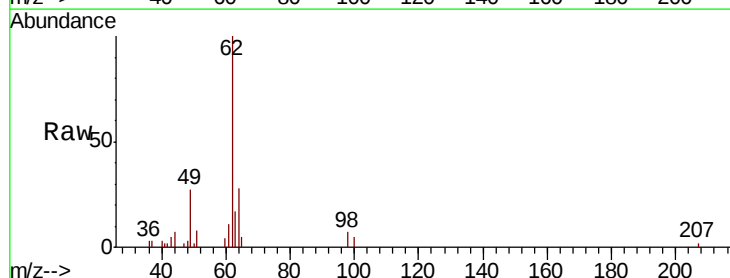
Instrument :
MSVOA_N
ClientSampled :

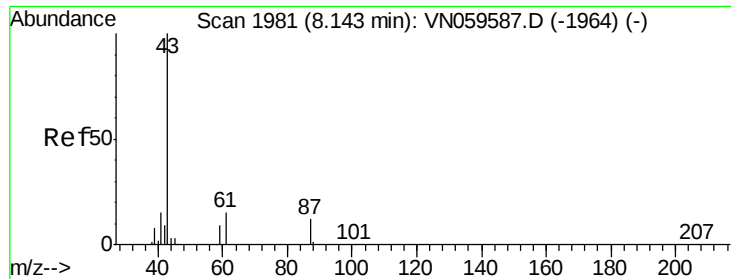
Tot Ion: 41 Resp: 6435
Ion Ratio Lower Upper
41 100
39 71.1 0.0 0.0#
67 98.8 0.0 0.0#
52 44.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 4.304 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 62 Resp: 18385
Ion Ratio Lower Upper
62 100
98 6.5 0.0 15.8





#43

Isopropyl Acetate

Concen: 3.993 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

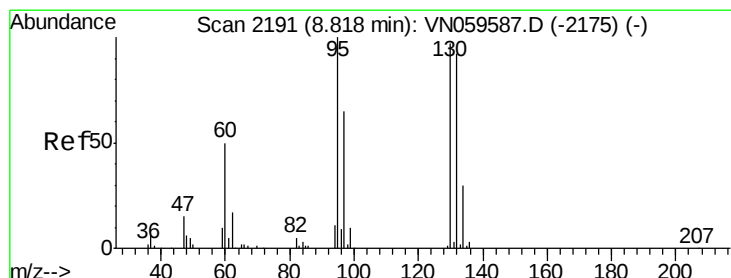
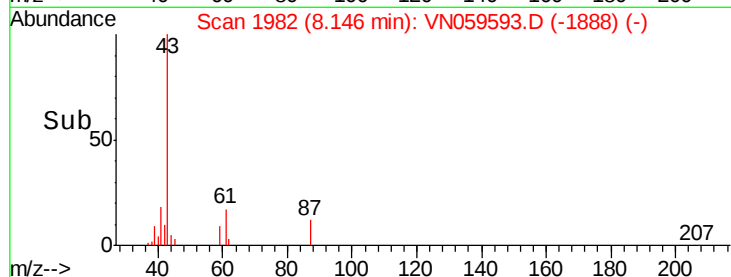
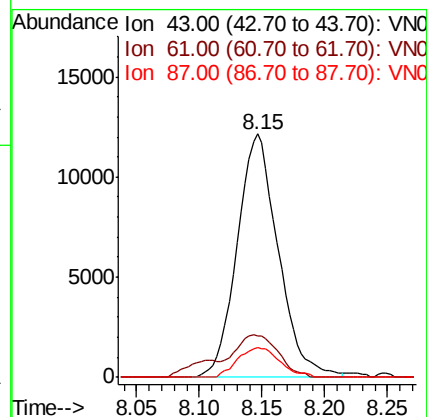
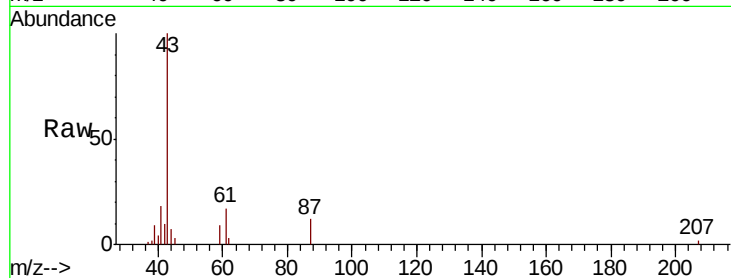
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 27653

Ion	Ratio	Lower	Upper
43	100		
61	18.4	20.2	30.2#
87	12.5	9.5	14.3



#44

Trichloroethene

Concen: 4.453 ug/l

RT: 8.82 min Scan# 2192

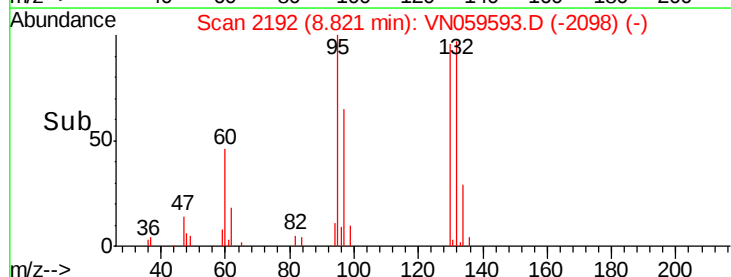
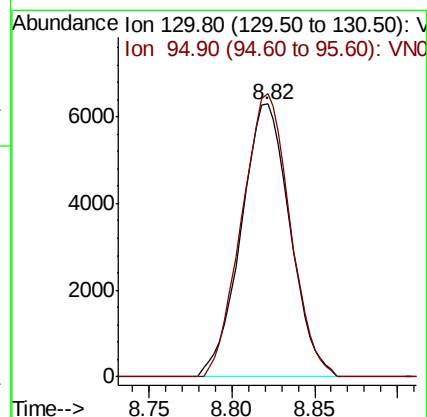
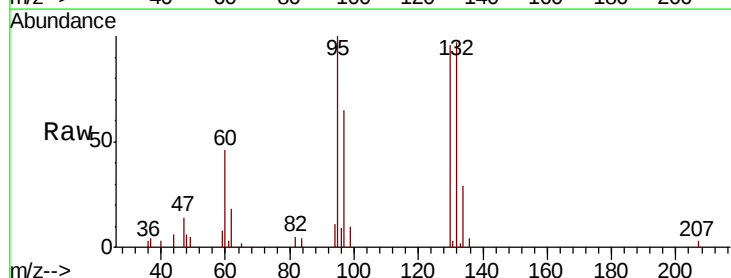
Delta R.T. 0.00 min

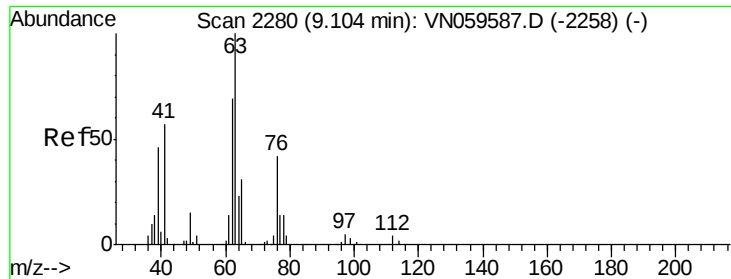
Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion: 130 Resp: 12913

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	207.0

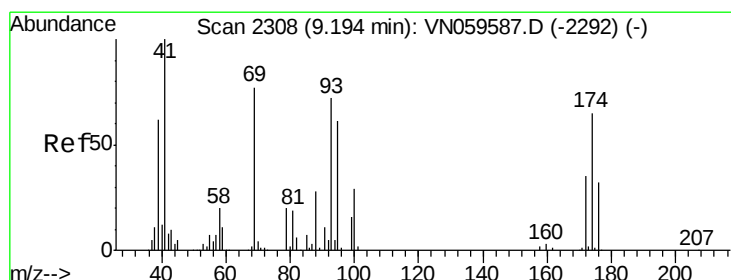
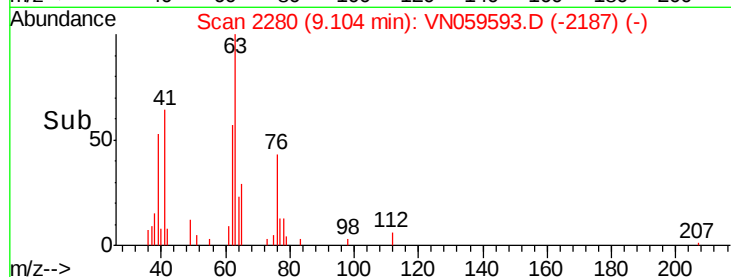
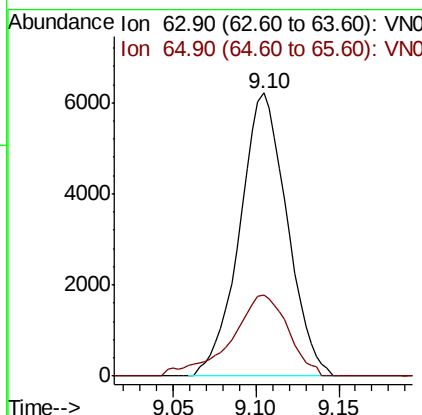
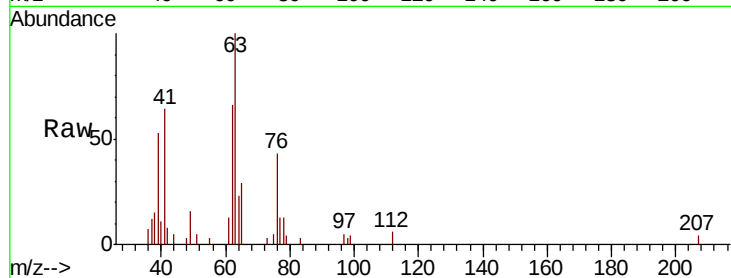




#45
 1,2-Dichloropropane
 Concen: 4.088 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

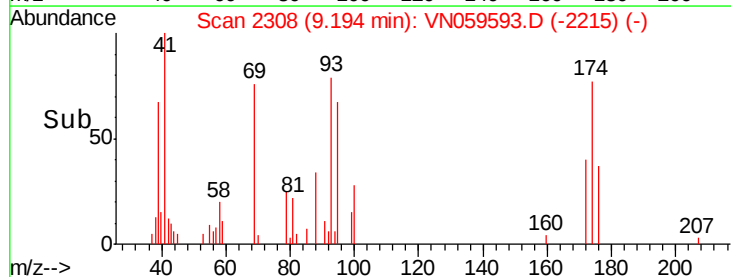
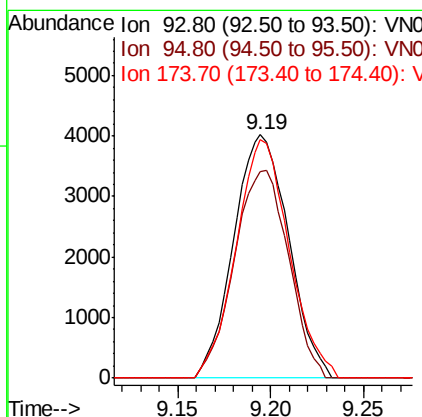
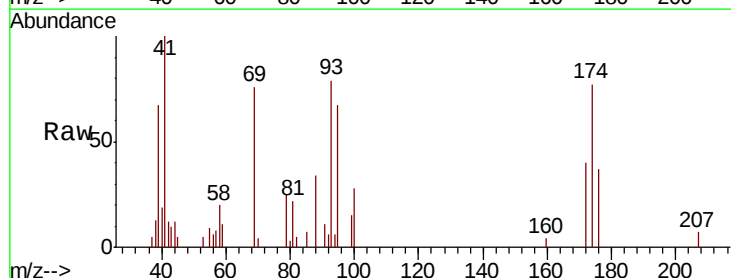
Instrument :
 MSVOA_N
 ClientSampleId :

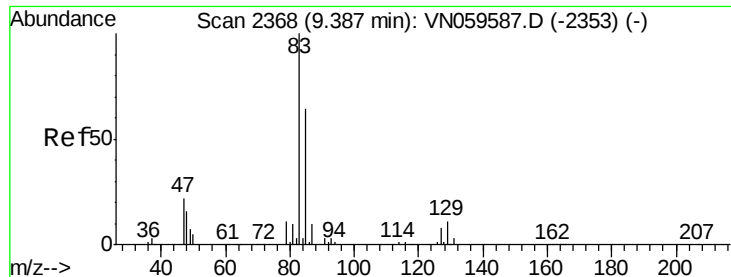
Tot Ion: 63 Resp: 12383
 Ion Ratio Lower Upper
 63 100
 65 28.6 24.9 37.3



#46
 Dibromomethane
 Concen: 4.131 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion: 93 Resp: 8292
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.0 100.6
 174 94.9 73.4 110.2





#47

Bromodichloromethane

Concen: 4.101 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampled :

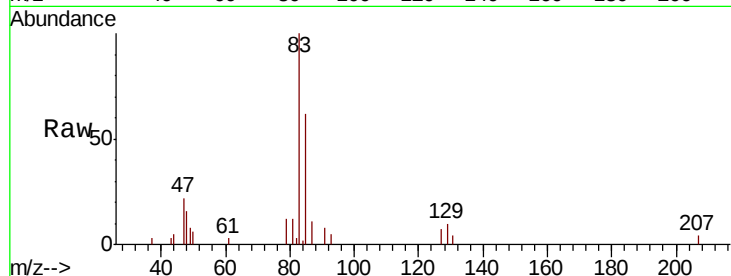
Tot Ion: 83 Resp: 16331

Ion Ratio Lower Upper

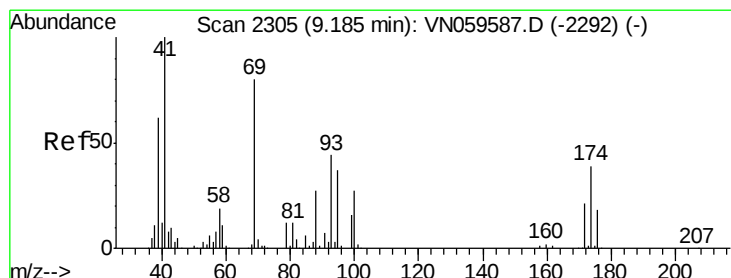
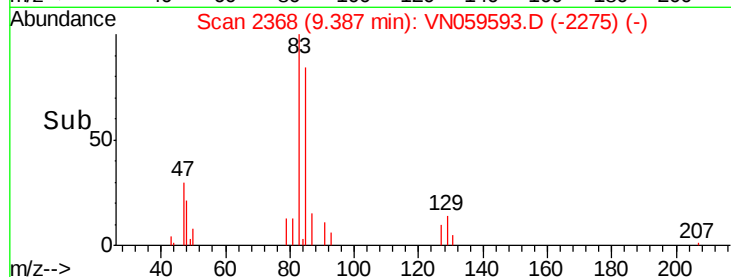
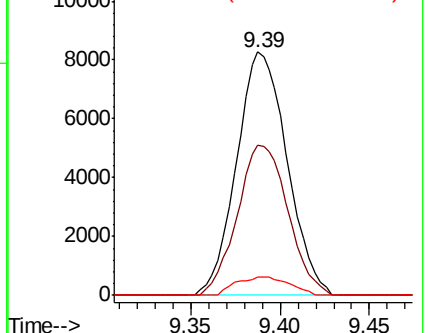
83 100

85 61.8 51.1 76.7

127 7.4 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 4.054 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

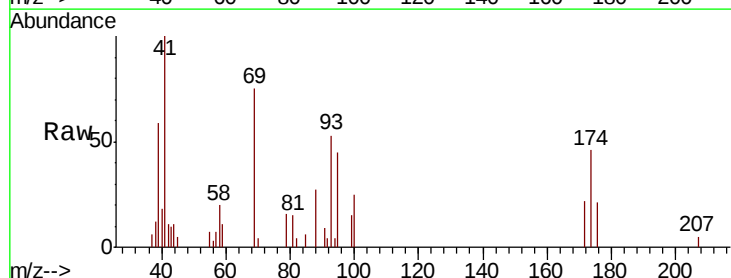
Tgt Ion: 41 Resp: 12325

Ion Ratio Lower Upper

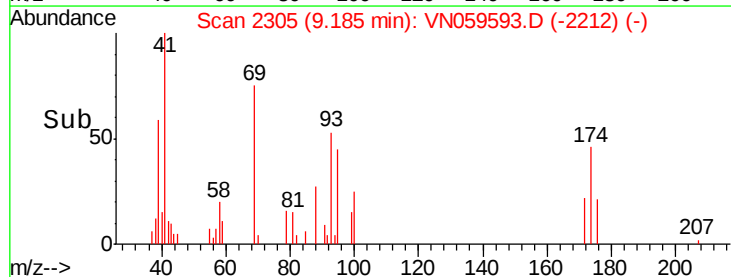
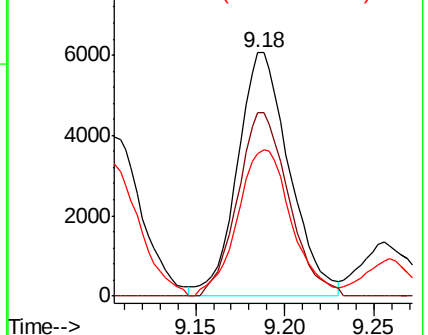
41 100

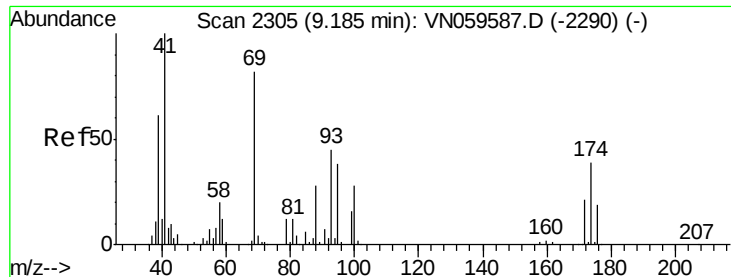
69 74.0 64.4 96.6

39 62.5 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

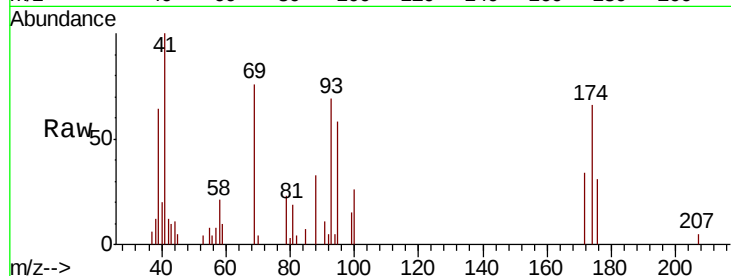




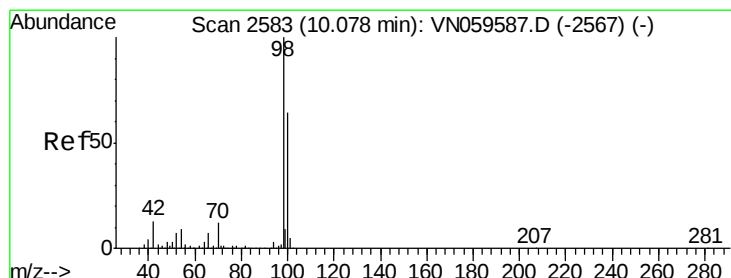
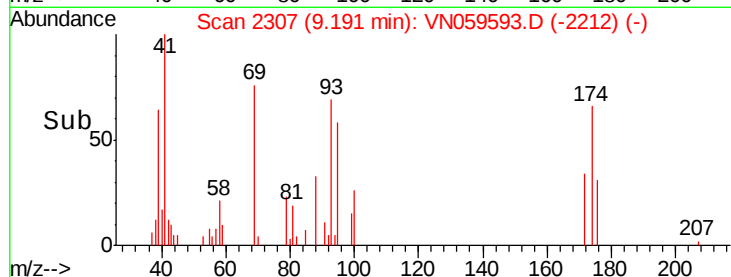
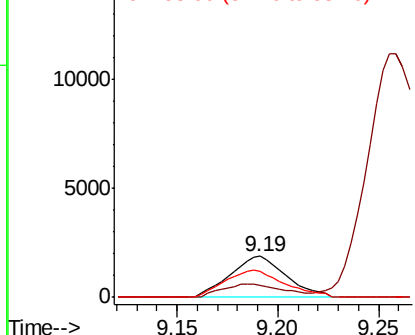
#49
1,4-Dioxane
Concen: 89.282 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 3631
Ion Ratio Lower Upper
88 100
43 34.7 29.7 44.5
58 70.6 56.6 85.0

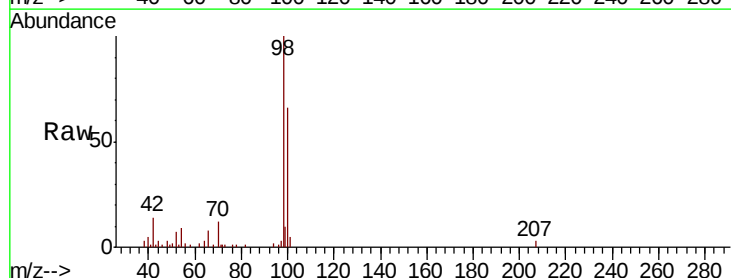


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

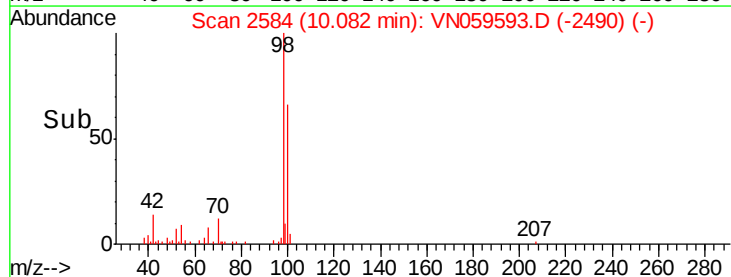
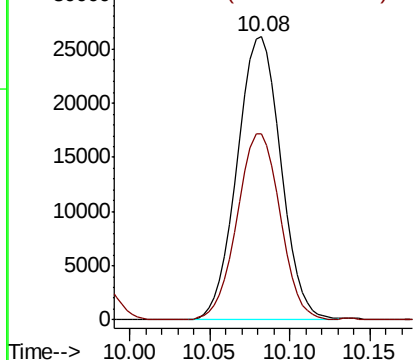


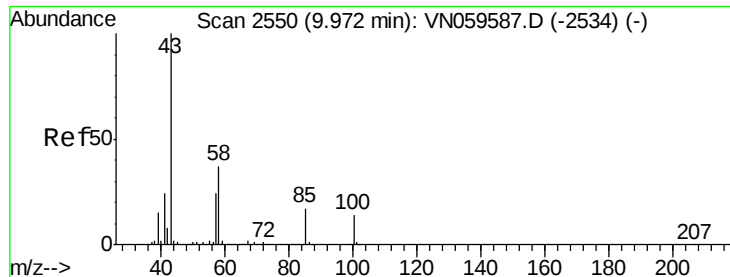
#50
Toluene-d8
Concen: 5.112 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 98 Resp: 48967
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 20.259 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

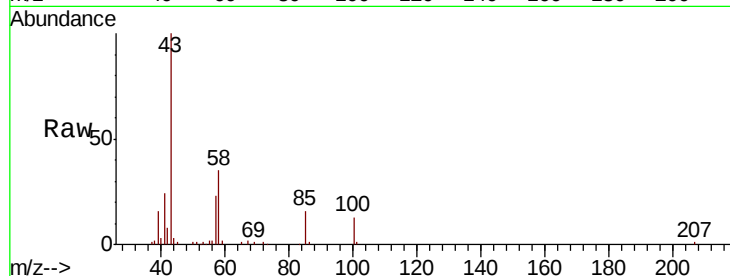
ClientSampled :

Tot Ion: 43 Resp: 81574

Ion Ratio Lower Upper

43 100

58 35.5 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D

Ion 58.00 (57.70 to 58.70): VN059587.D

9.97

50000

40000

30000

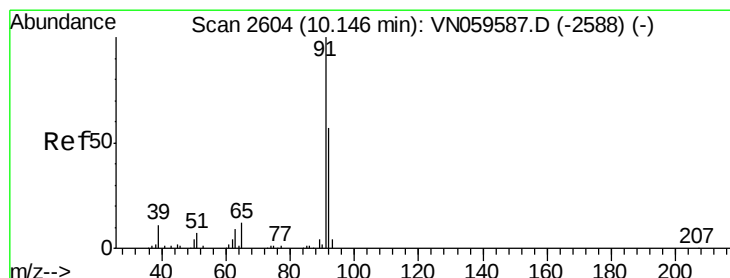
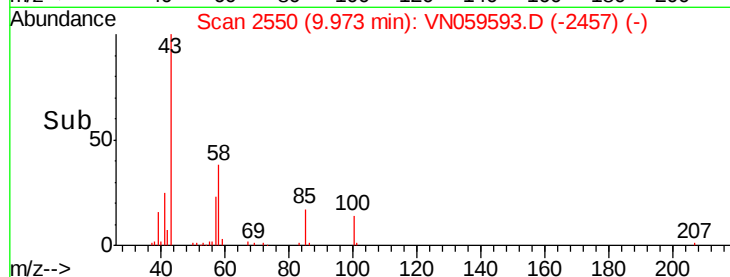
20000

10000

0

Time-->

9.90 9.95 10.00 10.05



#52

Toluene

Concen: 4.138 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059593.D

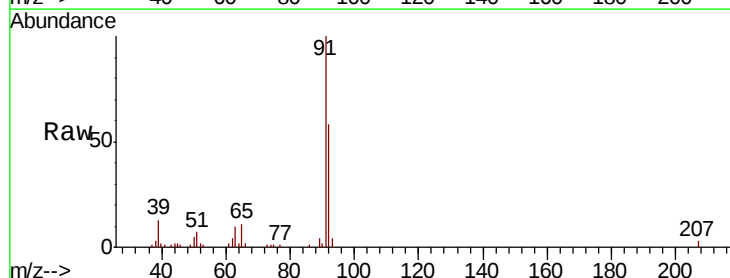
Acq: 13 Dec 2019 18:56

Tgt Ion: 92 Resp: 28257

Ion Ratio Lower Upper

92 100

91 171.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D

Ion 91.00 (90.70 to 91.70): VN059587.D

10.15

30000

25000

20000

15000

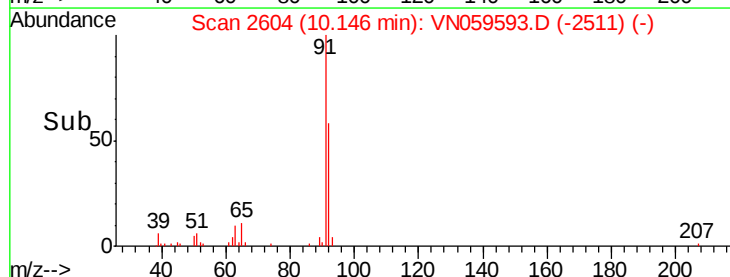
10000

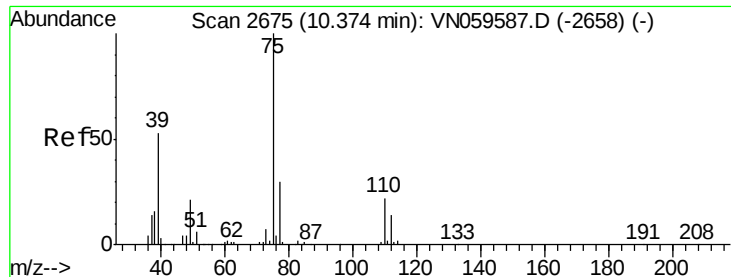
5000

0

Time-->

10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 3.911 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

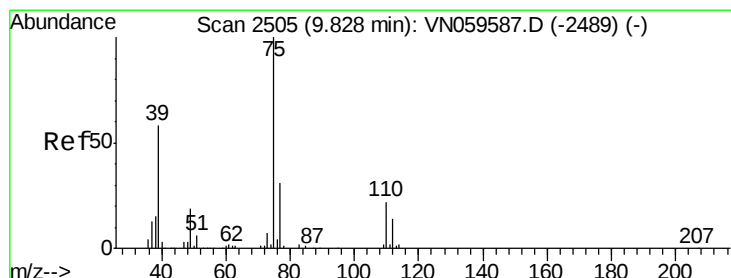
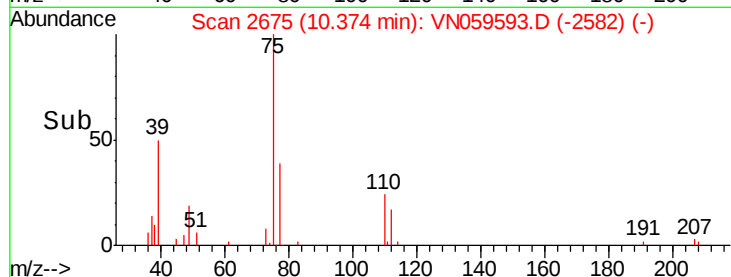
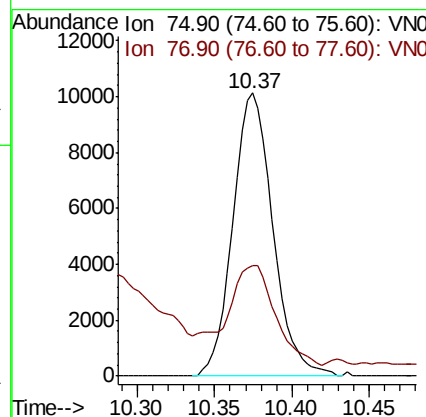
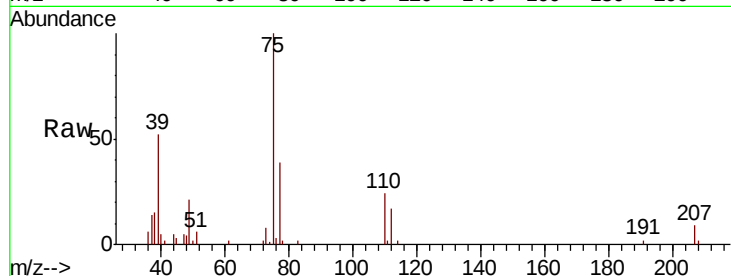
ClientSampled :

Tot Ion: 75 Resp: 18170

Ion Ratio Lower Upper

75 100

77 33.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 4.031 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

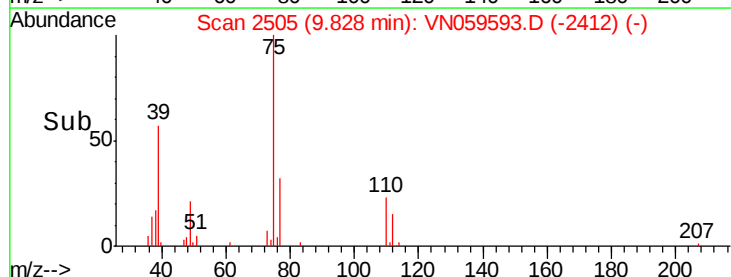
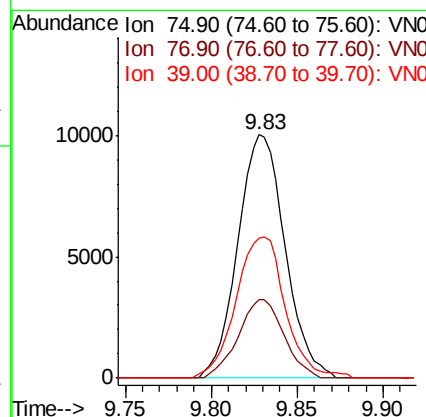
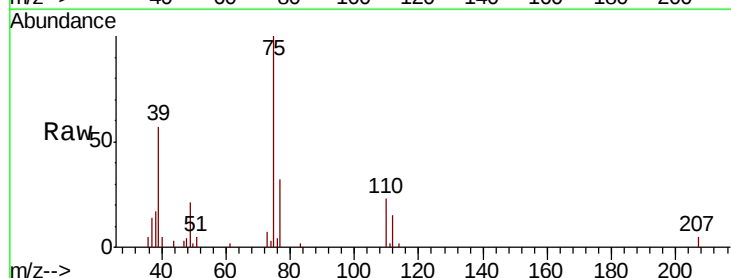
Tgt Ion: 75 Resp: 19195

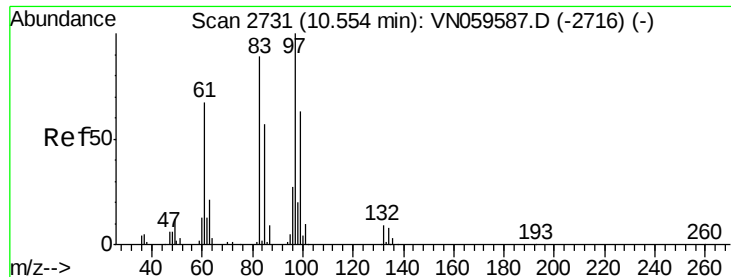
Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

39 57.3 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 4.158 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

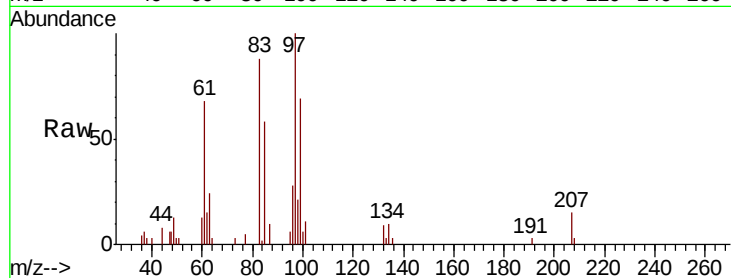
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 11484

Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.3	106.9
85	58.2	45.8	68.8
99	69.1	50.0	75.0



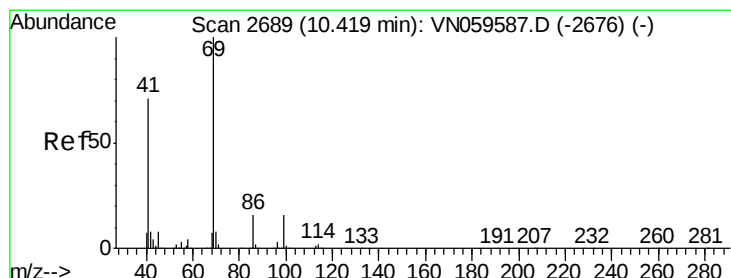
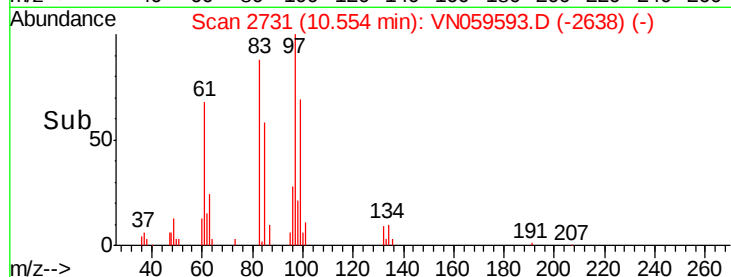
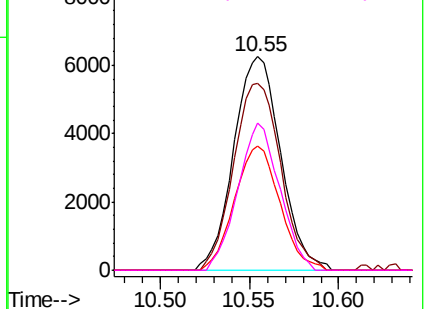
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 3.364 ug/l

RT: 10.42 min Scan# 2690

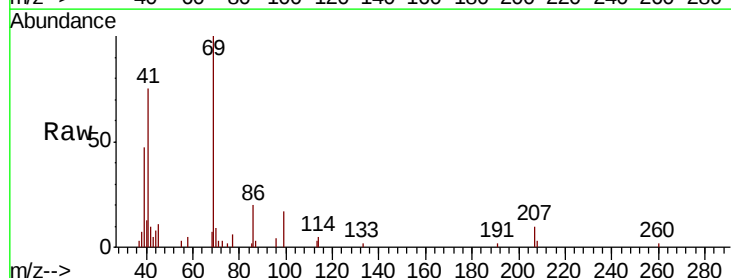
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion: 69 Resp: 13732

Ion	Ratio	Lower	Upper
69	100		
41	76.6	57.1	85.7
39	48.4	34.7	52.1

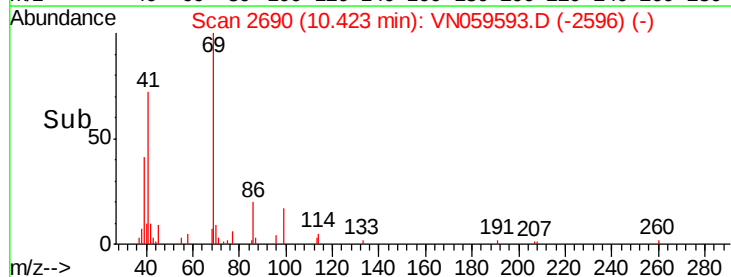
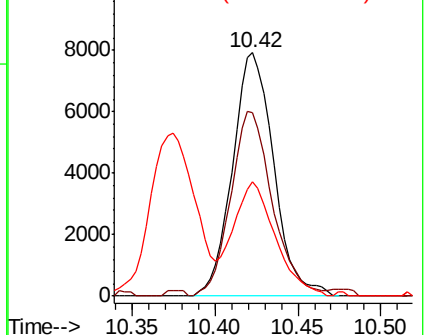


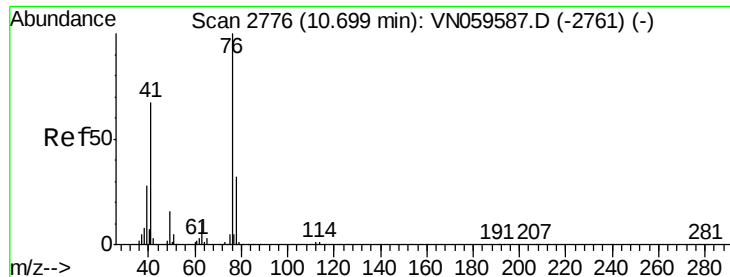
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 4.251 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

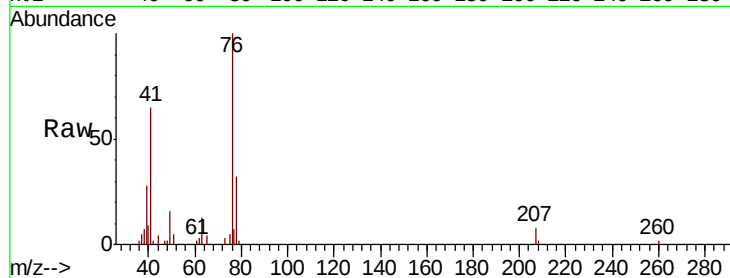
ClientSampled :

Tot Ion: 76 Resp: 20064

Ion Ratio Lower Upper

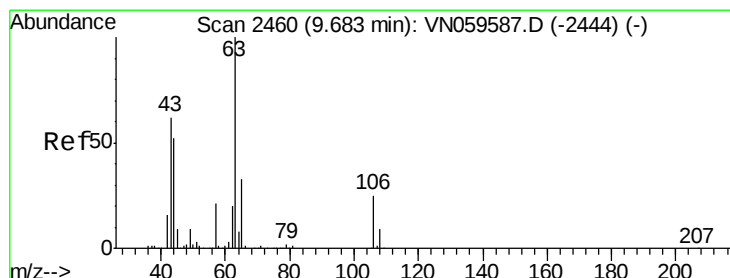
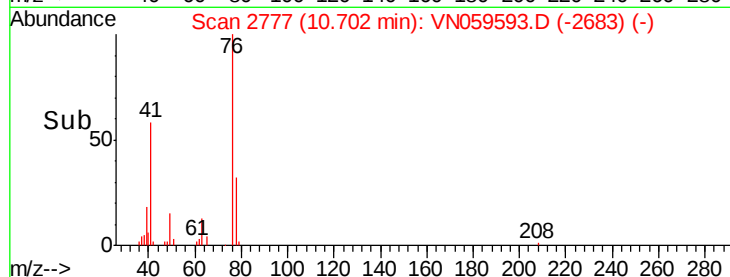
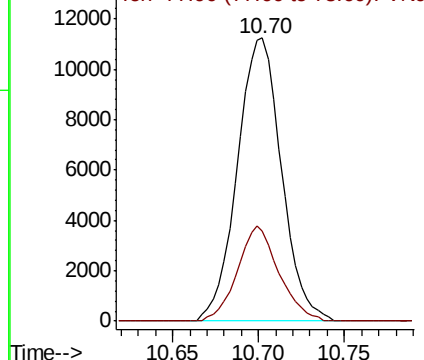
76 100

78 31.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 11.695 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059593.D

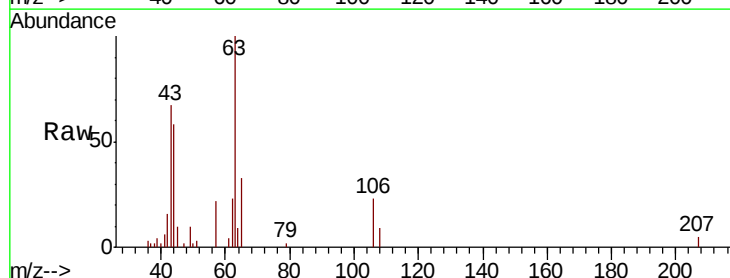
Acq: 13 Dec 2019 18:56

Tgt Ion: 63 Resp: 15119

Ion Ratio Lower Upper

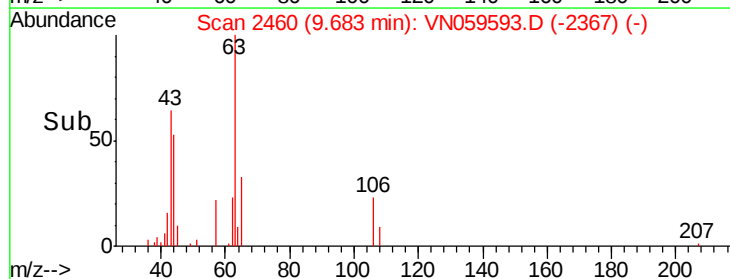
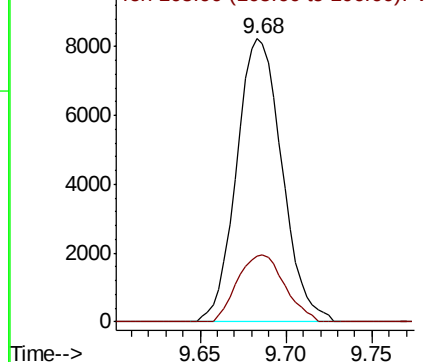
63 100

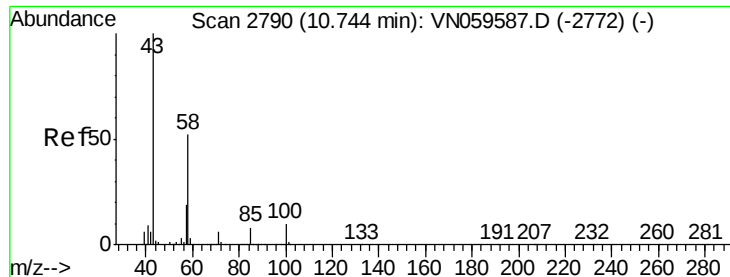
106 24.6 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

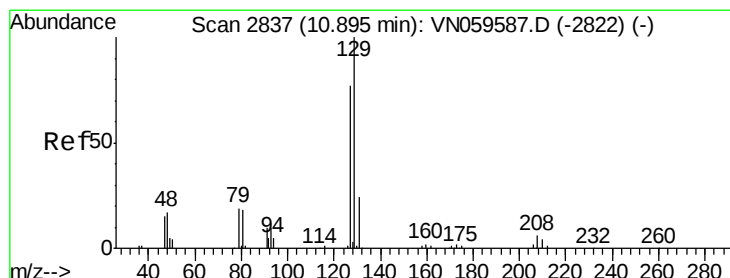
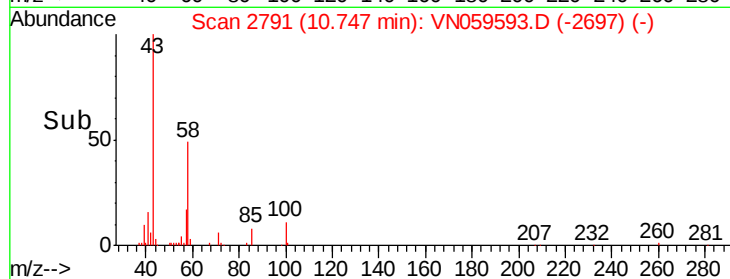
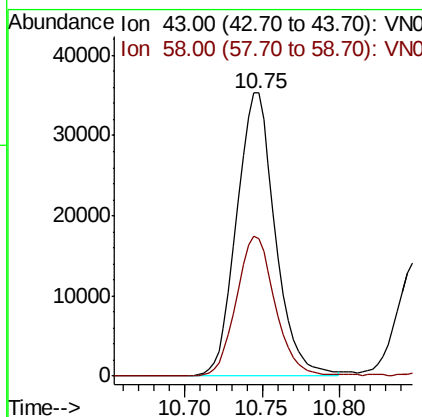
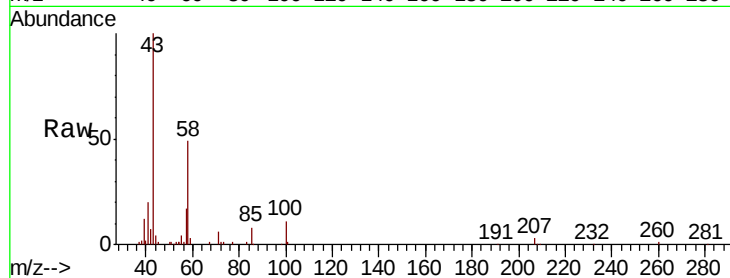




#59
2-Hexanone
Concen: 20.117 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

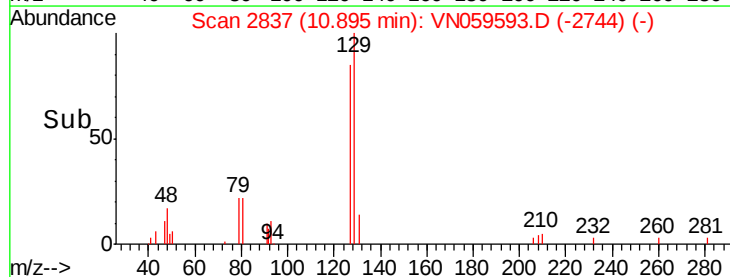
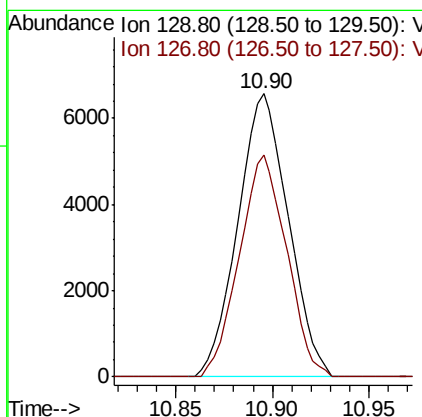
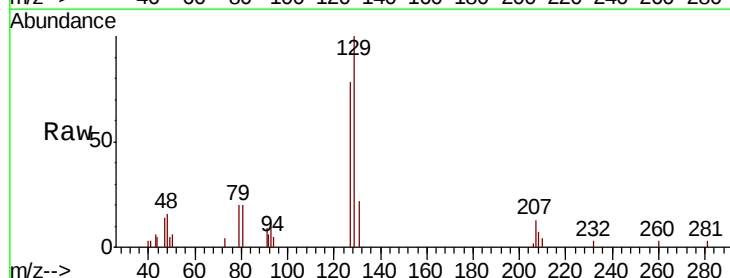
Instrument :
MSVOA_N
ClientSampled :

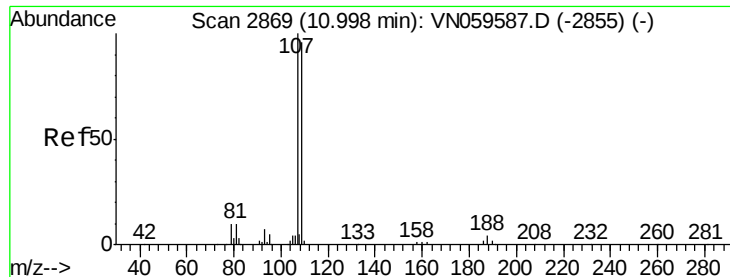
Tot Ion: 43 Resp: 61387
Ion Ratio Lower Upper
43 100
58 49.3 25.8 77.3



#60
Dibromochloromethane
Concen: 3.982 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 129 Resp: 11924
Ion Ratio Lower Upper
129 100
127 73.3 38.5 115.5

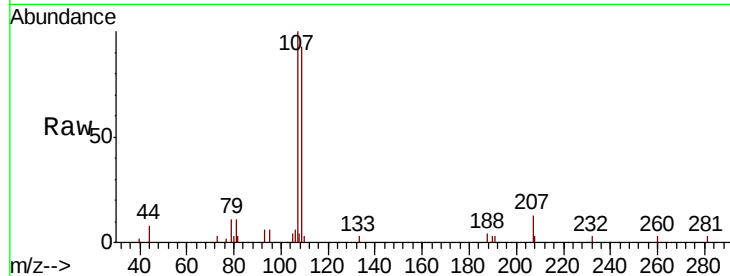




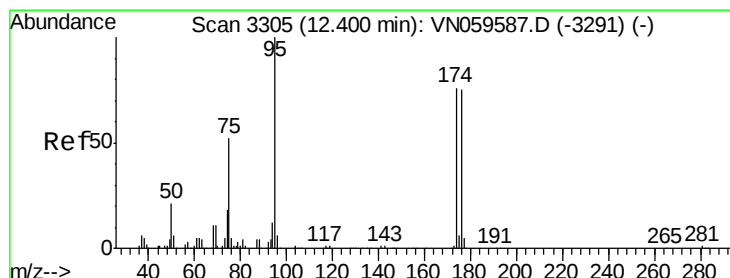
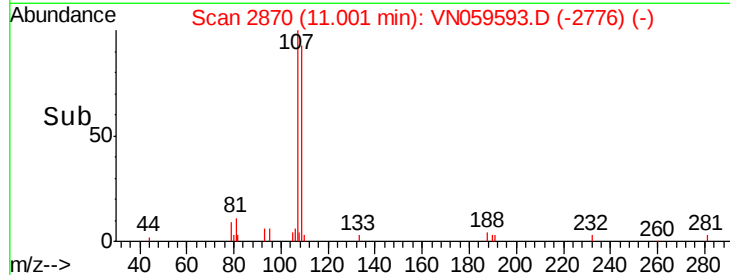
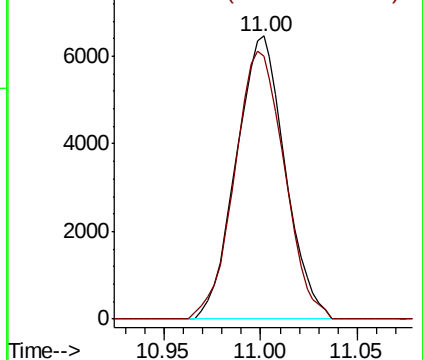
#61
 1,2-Dibromoethane
 Concen: 3.958 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 11366
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.6 115.0

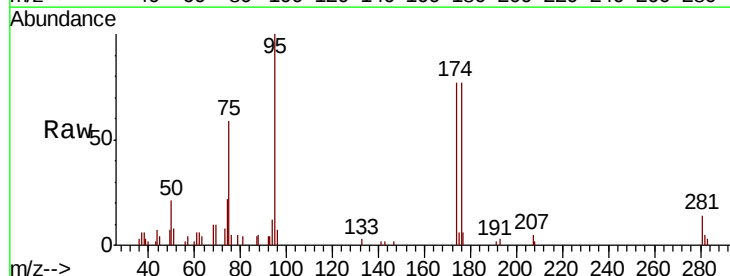


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

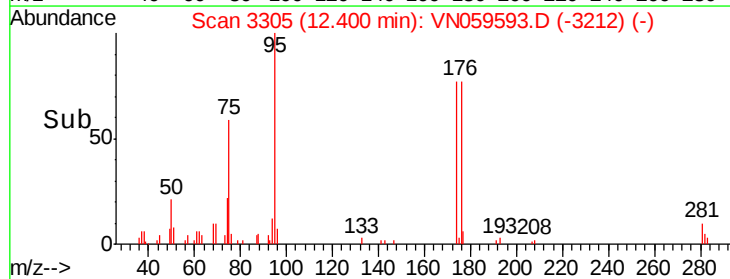
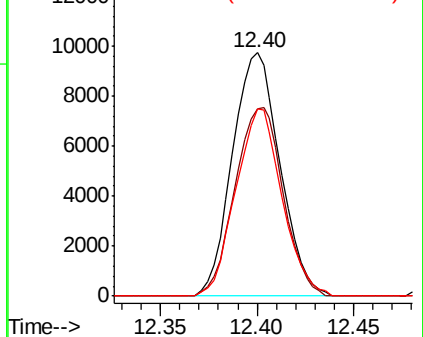


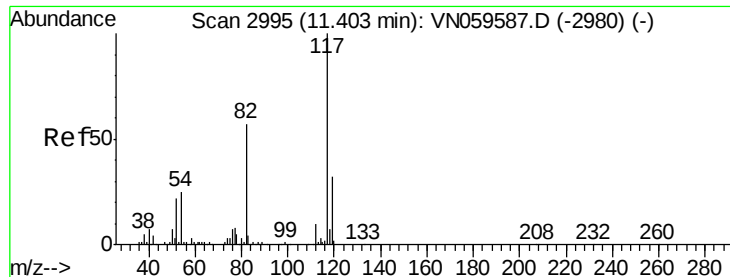
#62
 4-Bromofluorobenzene
 Concen: 4.805 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion: 95 Resp: 16633
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 151.4
 176 74.7 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

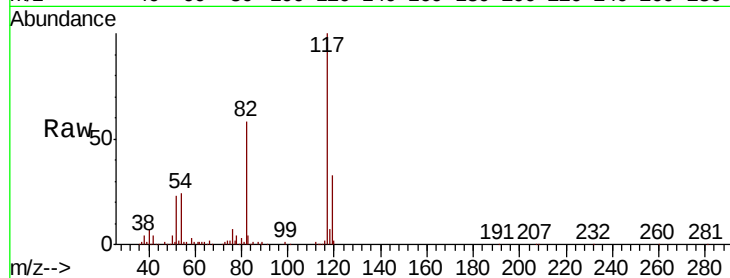
Tot Ion:117 Resp: 344953

Ion Ratio Lower Upper

117 100

82 57.9 45.9 68.9

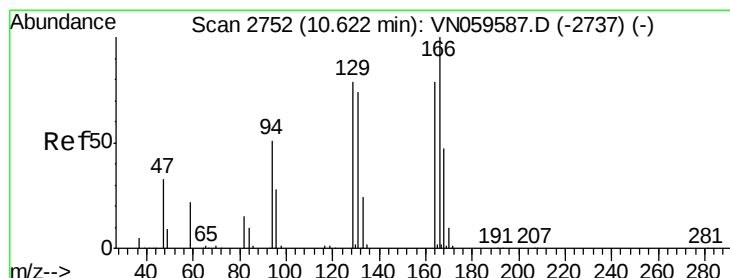
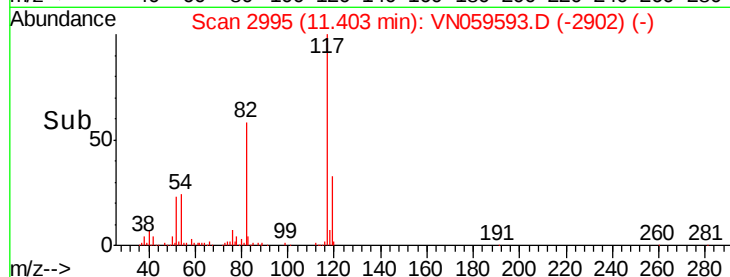
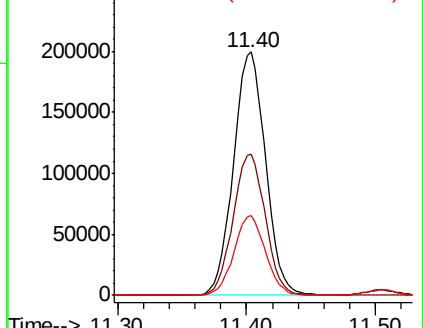
119 32.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 4.918 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:164 Resp: 13164

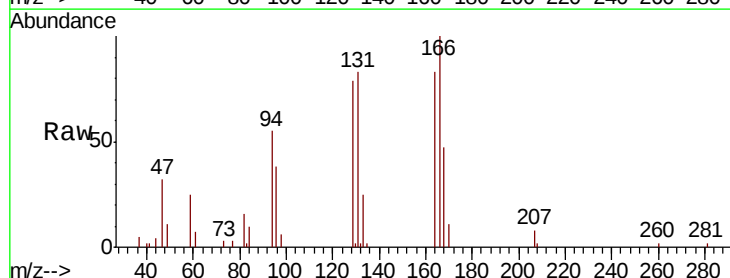
Ion Ratio Lower Upper

164 100

166 120.2 101.4 152.0

129 94.5 80.2 120.4

131 100.1 75.0 112.4

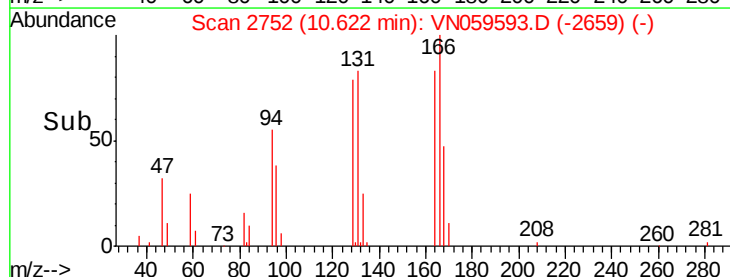
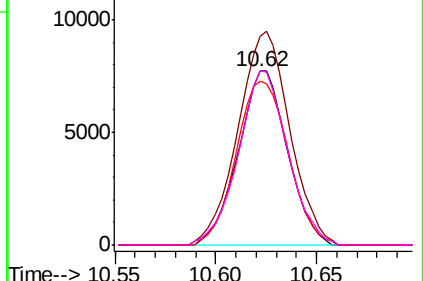


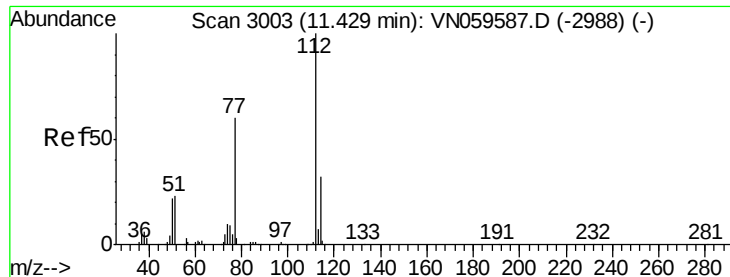
Abundance Ion 163.80 (163.50 to 164.50): V

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: 4.052 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

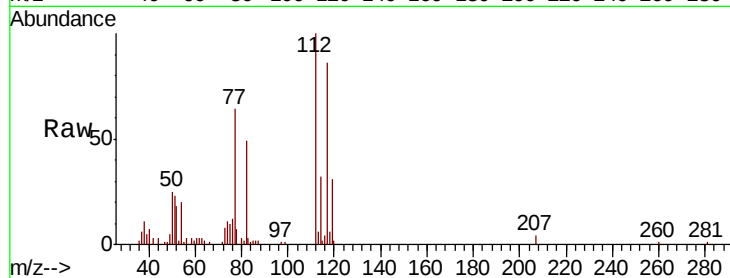
ClientSampled :

Tot Ion:112 Resp: 29849

Ion Ratio Lower Upper

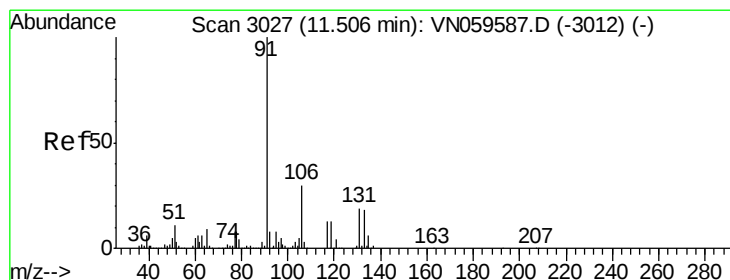
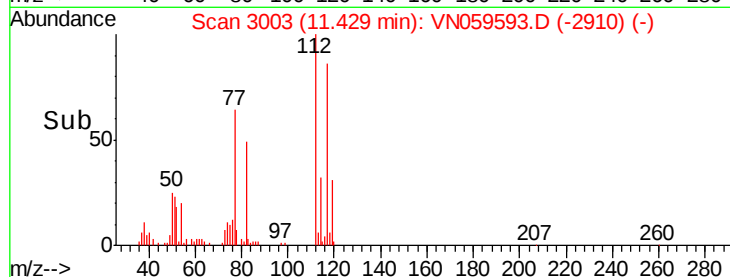
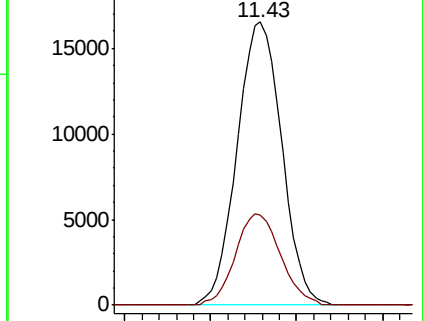
112 100

114 31.8 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.132 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

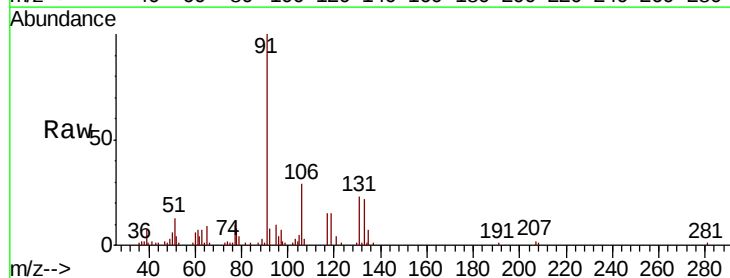
Tgt Ion:131 Resp: 11369

Ion Ratio Lower Upper

131 100

133 99.7 47.4 142.2

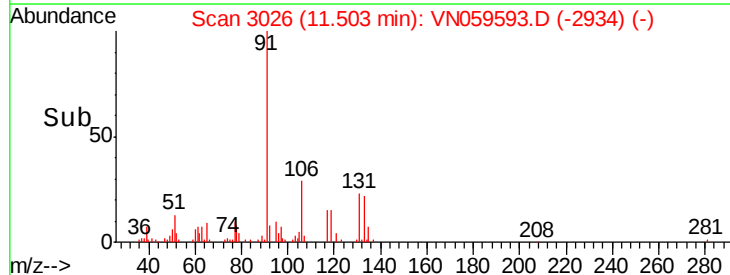
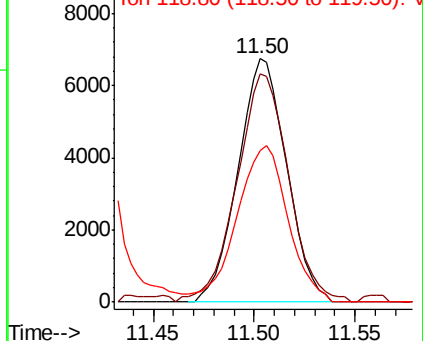
119 67.5 33.1 99.3

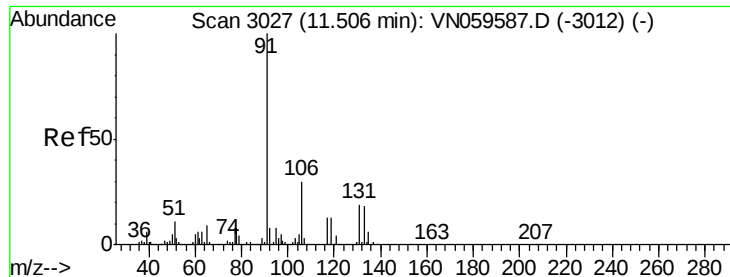


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 3.955 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

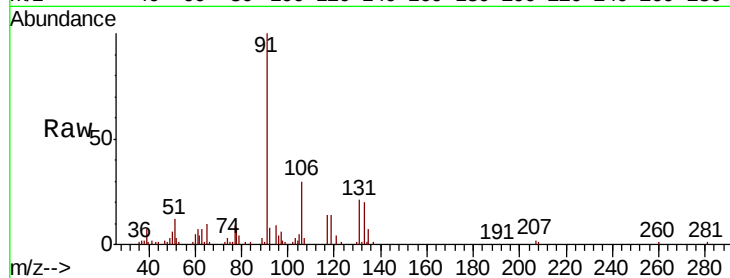
ClientSampleId :

Tot Ion: 91 Resp: 52349

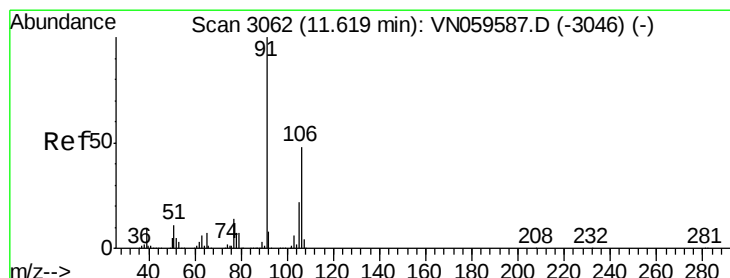
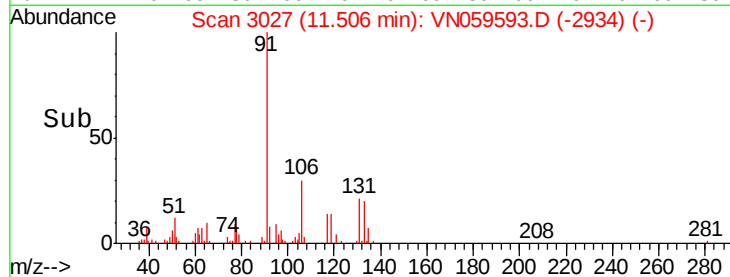
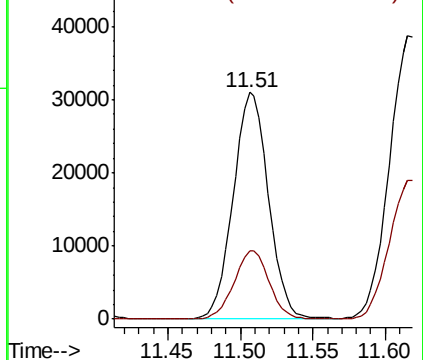
Ion Ratio Lower Upper

91 100

106 29.9 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)



#68

m/p-Xylenes

Concen: 7.681 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059593.D

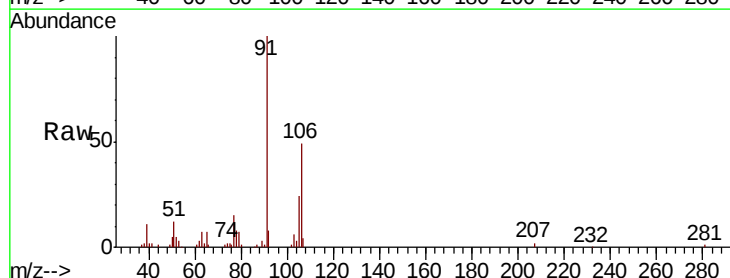
Acq: 13 Dec 2019 18:56

Tgt Ion: 106 Resp: 37657

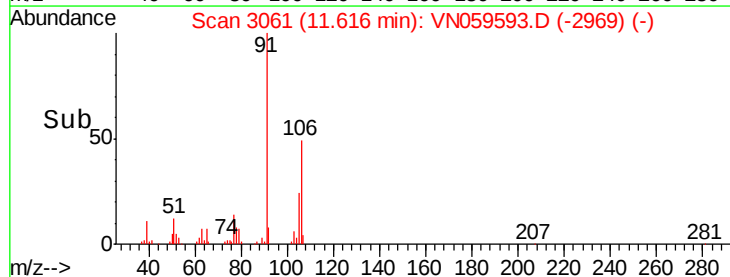
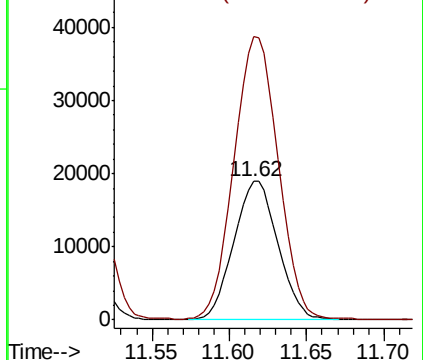
Ion Ratio Lower Upper

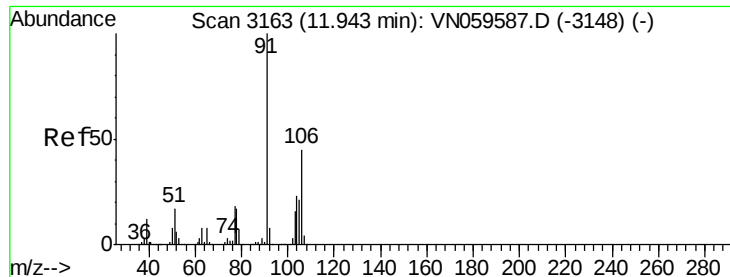
106 100

91 205.5 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

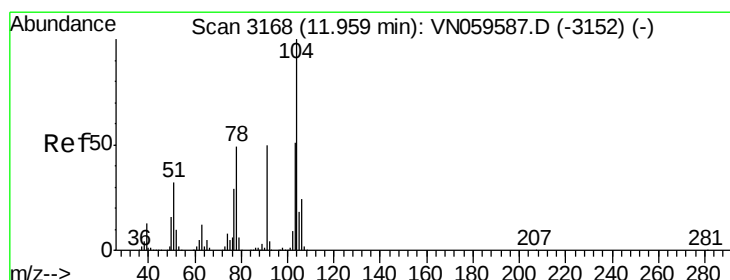
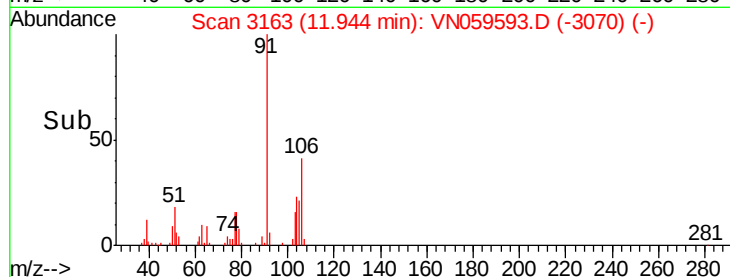
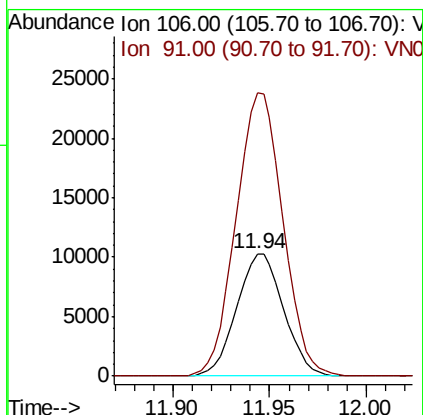
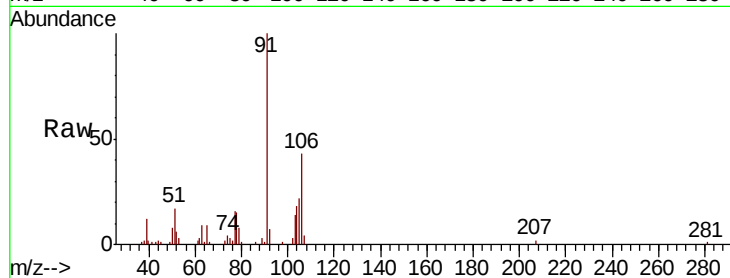




#69
o-Xylene
Concen: 3.783 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

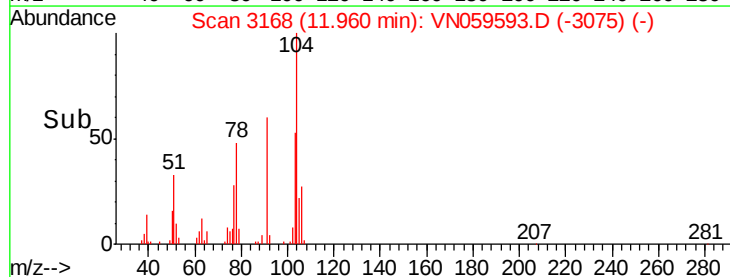
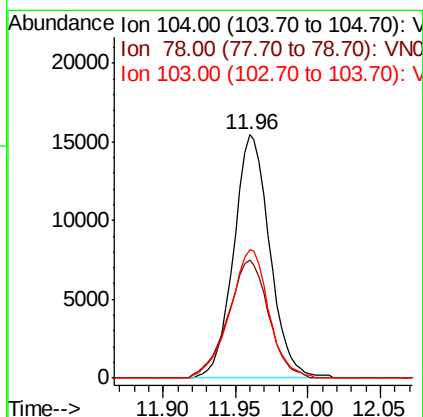
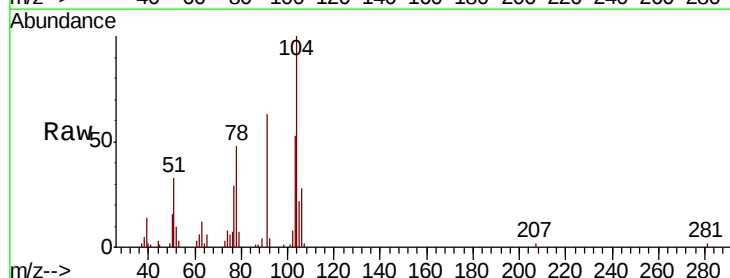
Instrument :
MSVOA_N
ClientSampled :

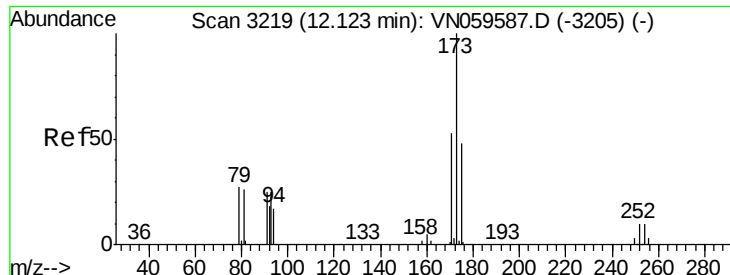
Tot Ion:106 Resp: 17318
Ion Ratio Lower Upper
106 100
91 231.8 110.3 330.9



#70
Styrene
Concen: 3.524 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion:104 Resp: 26715
Ion Ratio Lower Upper
104 100
78 54.6 42.4 63.6
103 56.9 43.9 65.9





#71

Bromoform

Concen: 3.811 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

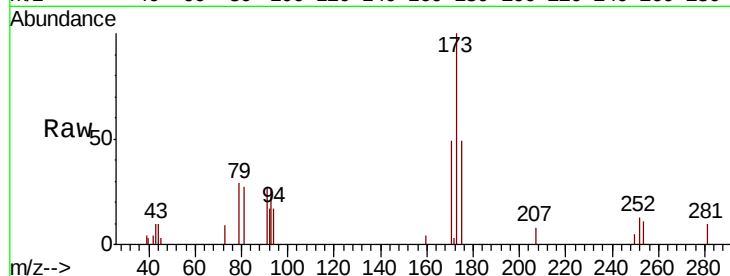
Tot Ion:173 Resp: 8130

Ion Ratio Lower Upper

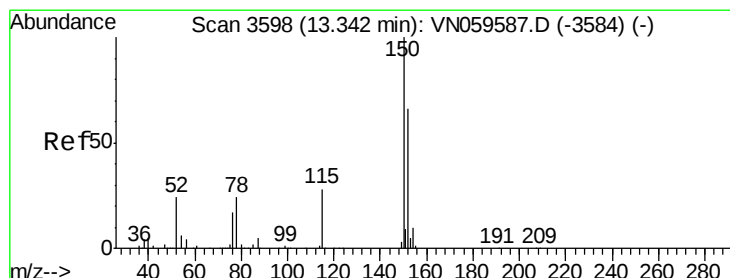
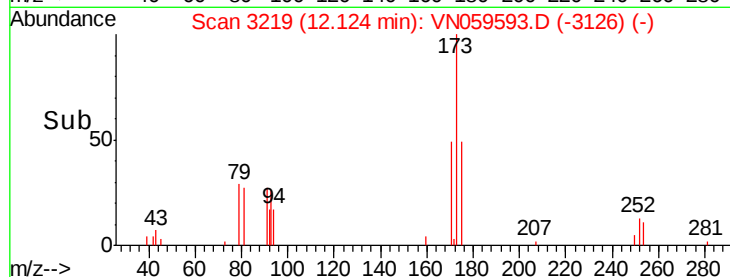
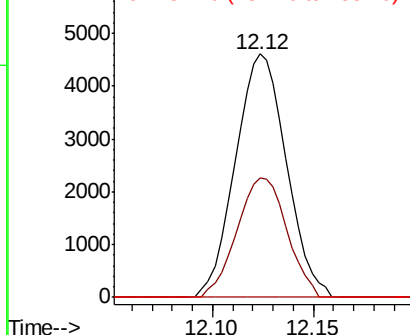
173 100

175 48.1 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: VN059593.D

Acq: 13 Dec 2019 18:56

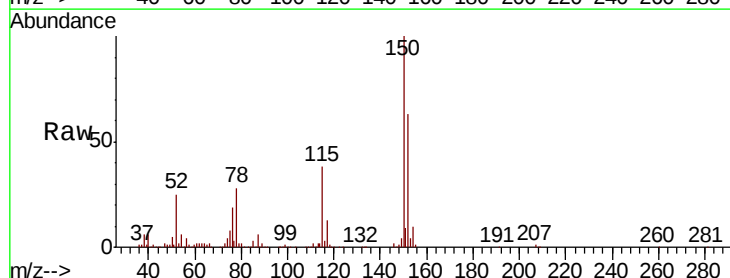
Tgt Ion:152 Resp: 150517

Ion Ratio Lower Upper

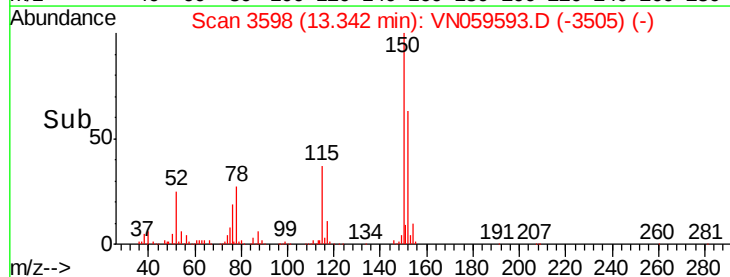
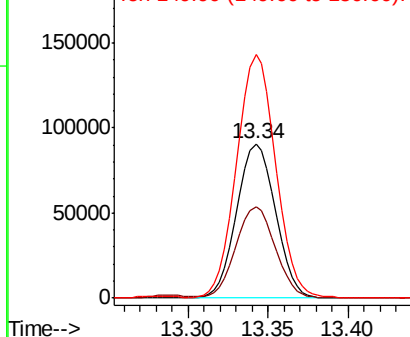
152 100

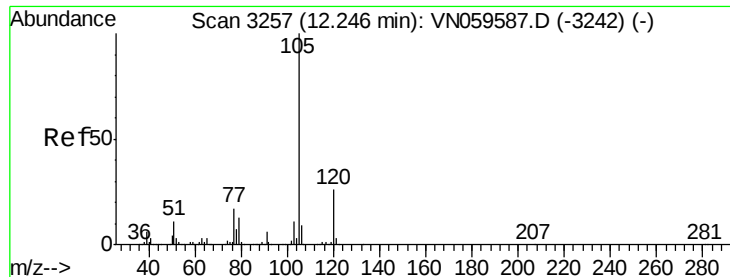
115 60.2 30.3 90.9

150 157.4 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: 4.036 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

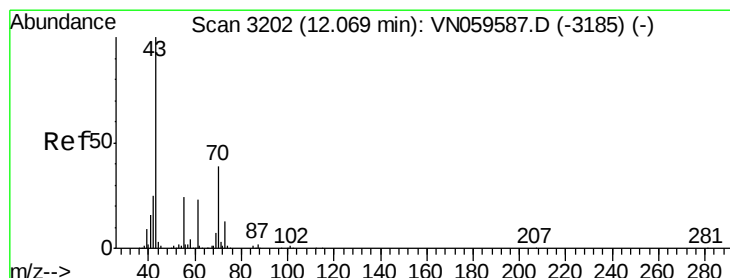
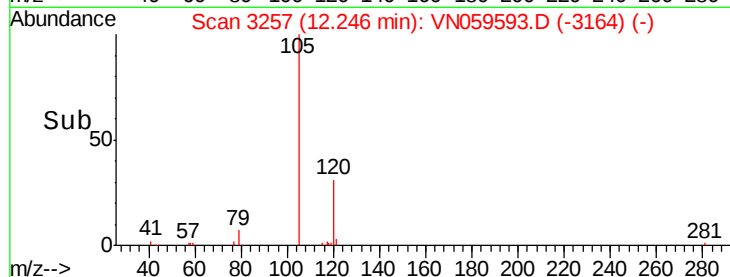
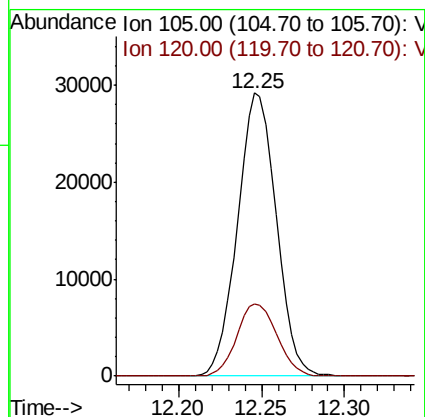
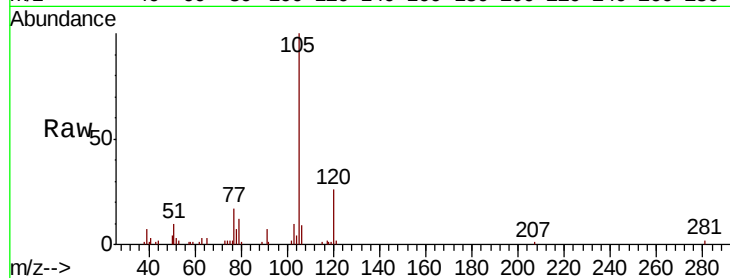
ClientSampleId :

Tot Ion: 105 Resp: 47486

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 3.763 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion: 43 Resp: 19396

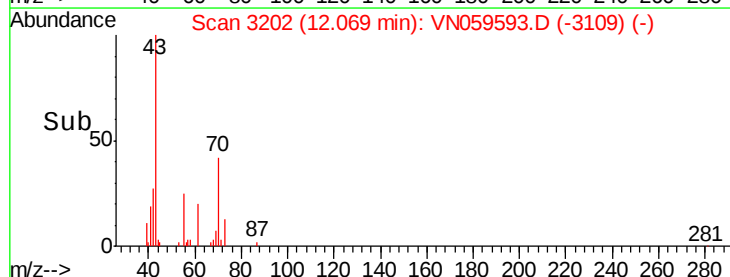
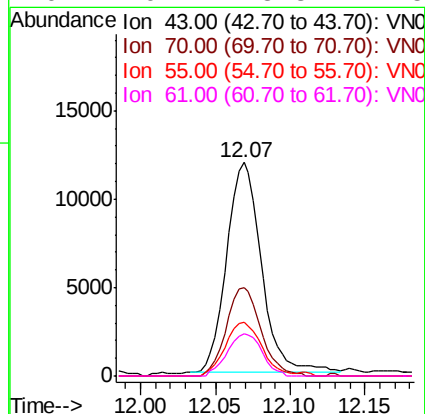
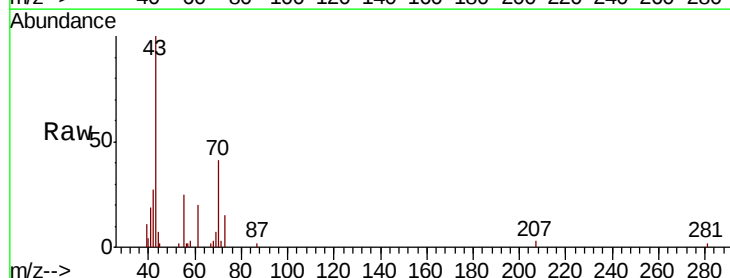
Ion Ratio Lower Upper

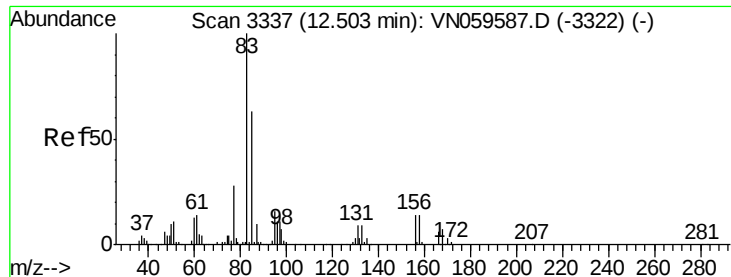
43 100

70 41.5 31.3 46.9

55 26.6 19.8 29.6

61 19.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 3.948 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampled :

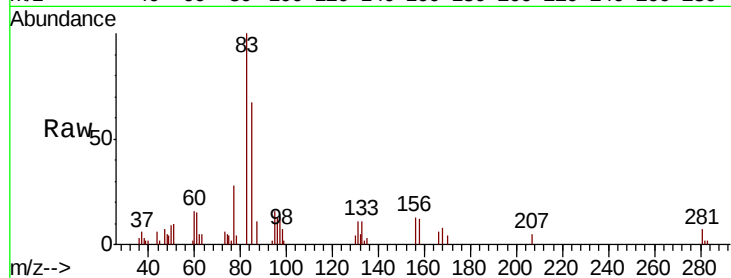
Tot Ion: 83 Resp: 15504

Ion Ratio Lower Upper

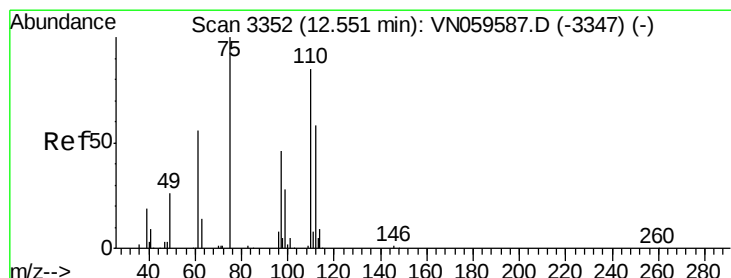
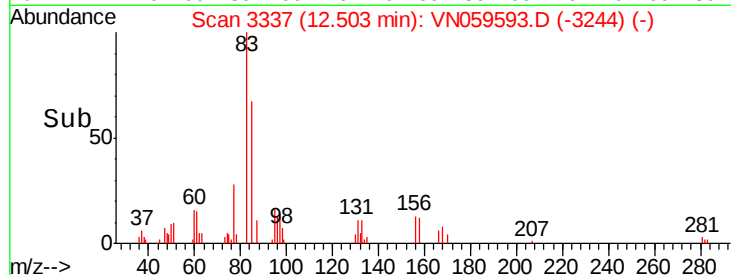
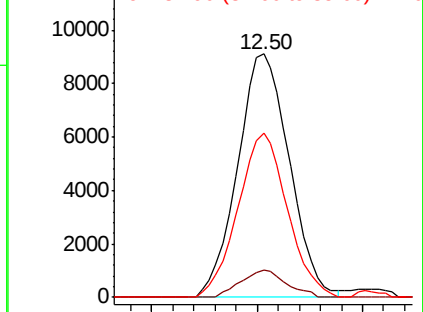
83 100

131 9.8 5.0 14.9

85 64.5 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: 5.728 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059593.D

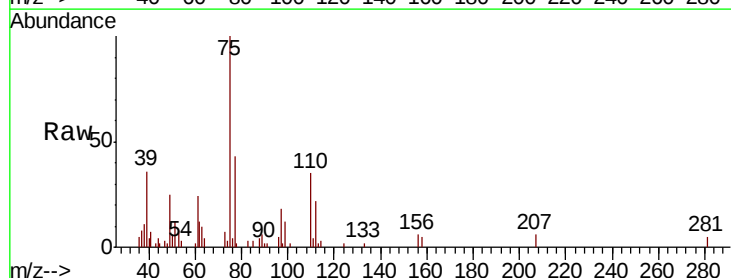
Acq: 13 Dec 2019 18:56

Tgt Ion: 75 Resp: 22687

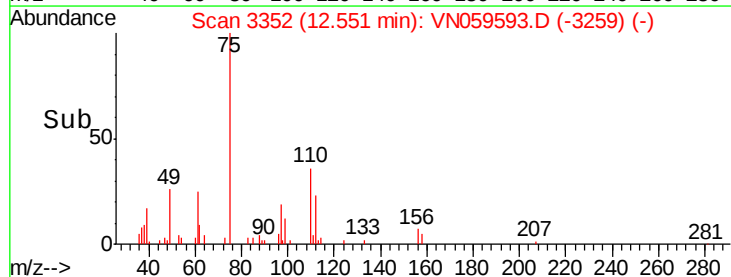
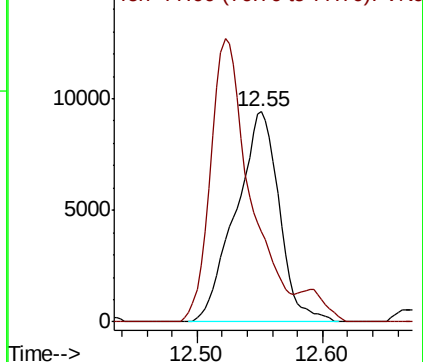
Ion Ratio Lower Upper

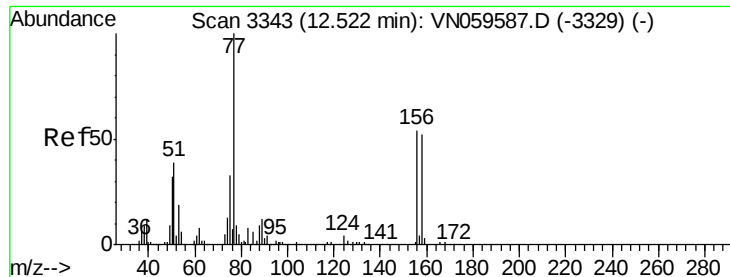
75 100

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: 4.117 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

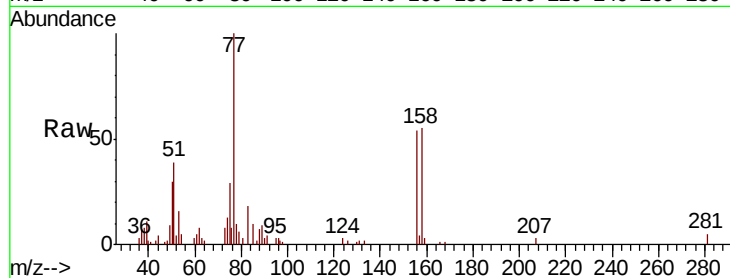
Tot Ion:156 Resp: 11883

Ion Ratio Lower Upper

156 100

77 234.5 115.8 347.4

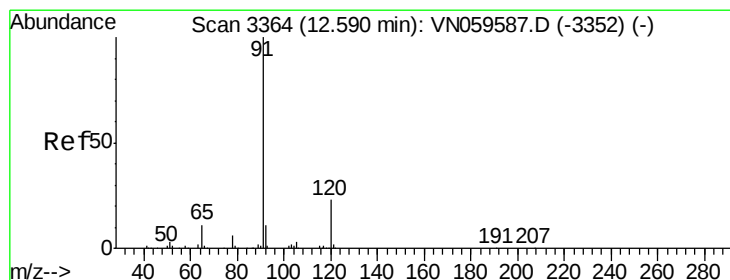
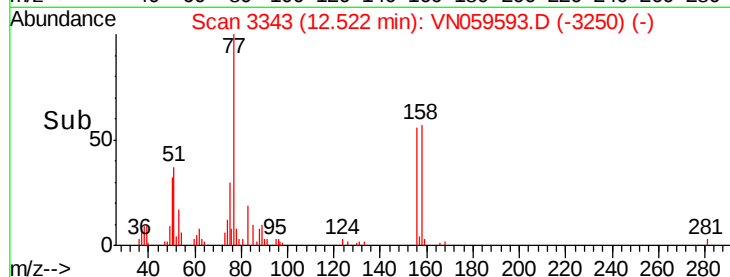
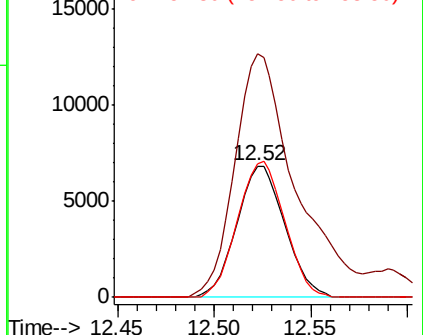
158 100.9 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.759 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059593.D

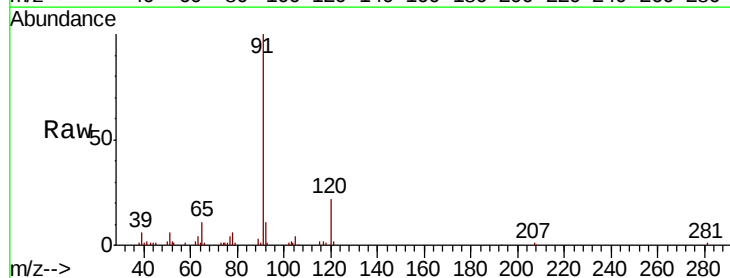
Acq: 13 Dec 2019 18:56

Tgt Ion: 91 Resp: 53772

Ion Ratio Lower Upper

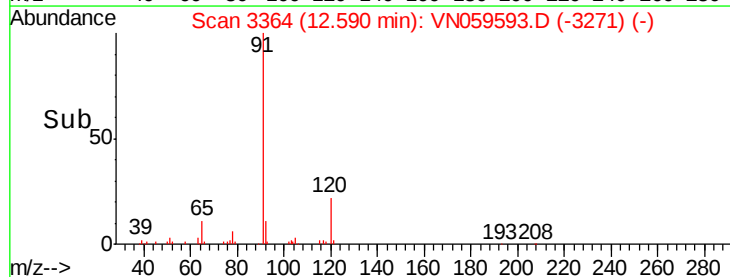
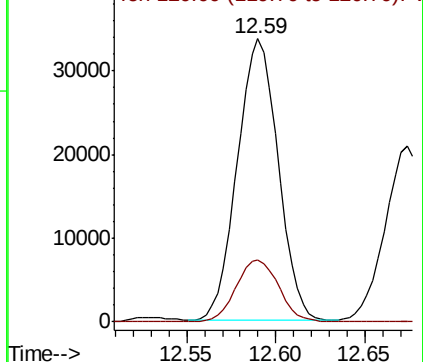
91 100

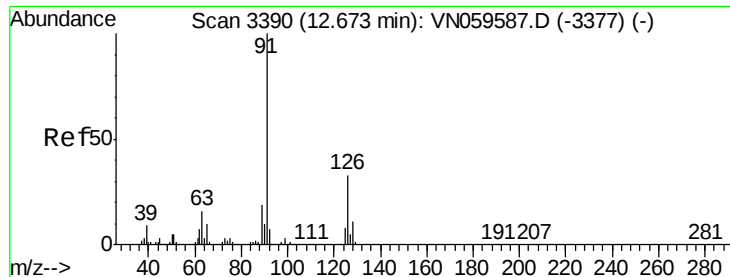
120 22.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

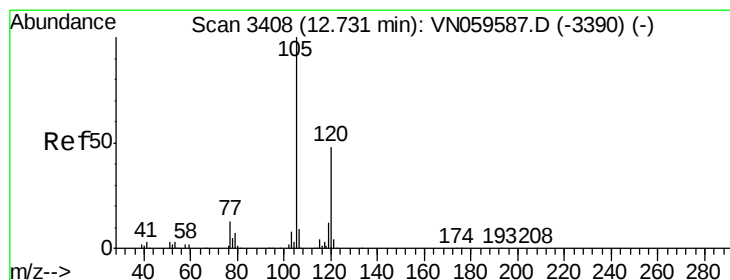
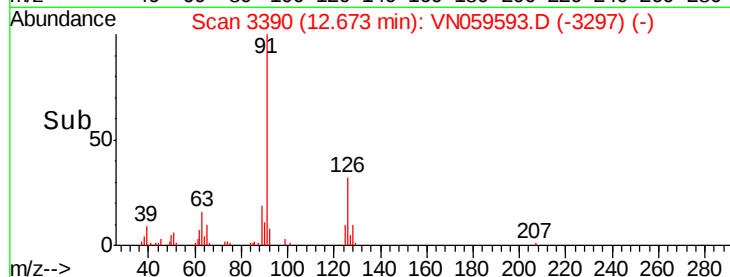
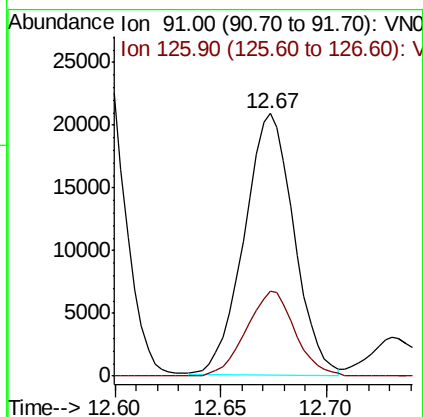
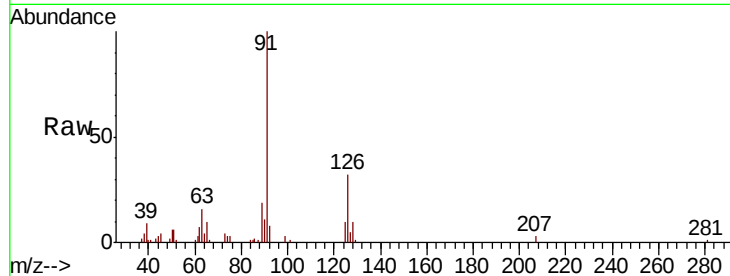




#79
2-Chlorotoluene
Concen: 3.990 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

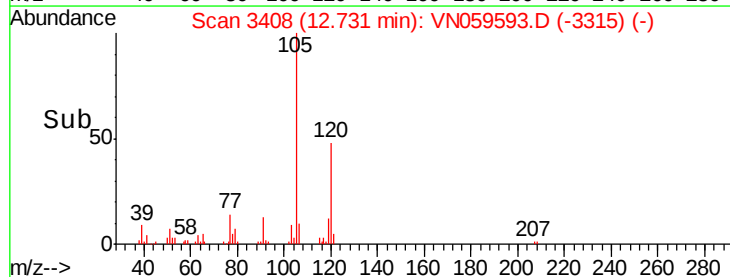
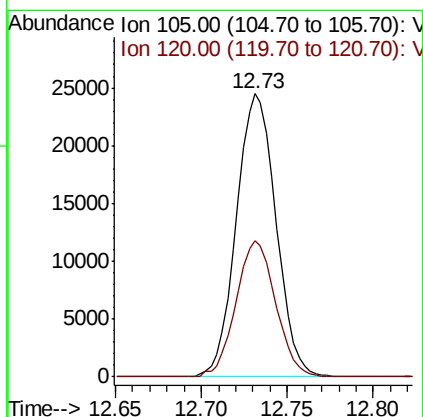
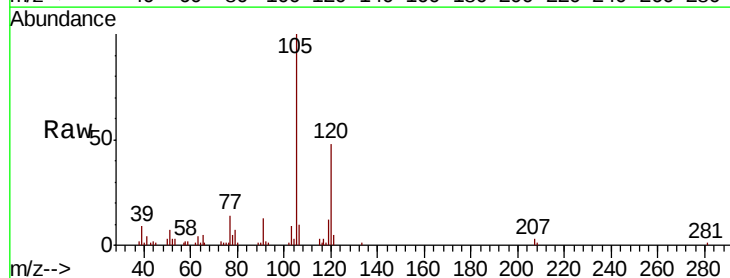
Instrument :
MSVOA_N
ClientSampleId :

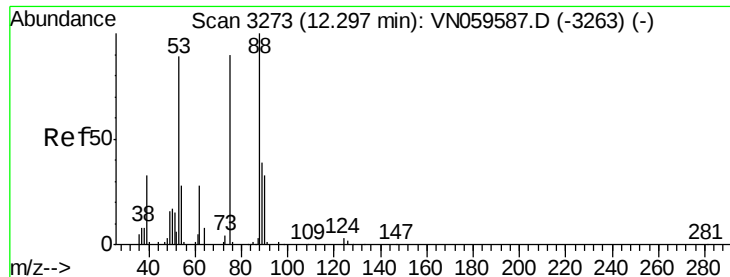
Tot Ion: 91 Resp: 34062
Ion Ratio Lower Upper
91 100
126 31.8 16.3 48.9



#80
1,3,5-Trimethylbenzene
Concen: 3.945 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 105 Resp: 39273
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 3.635 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampled :

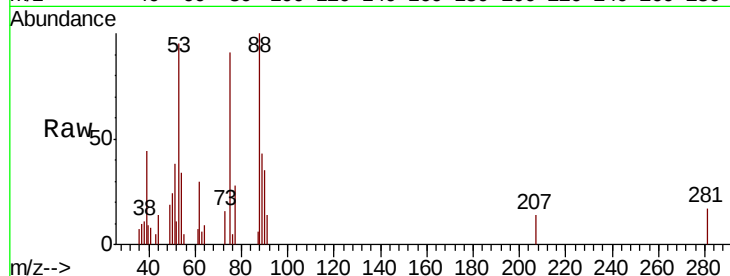
Tot Ion: 75 Resp: 5451

Ion Ratio Lower Upper

75 100

53 103.8 78.1 117.1

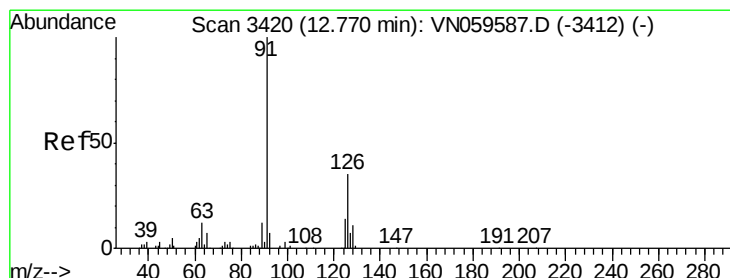
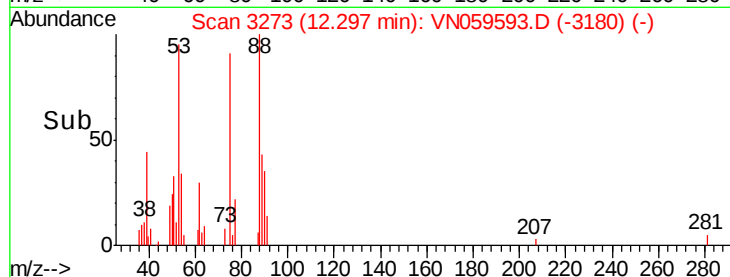
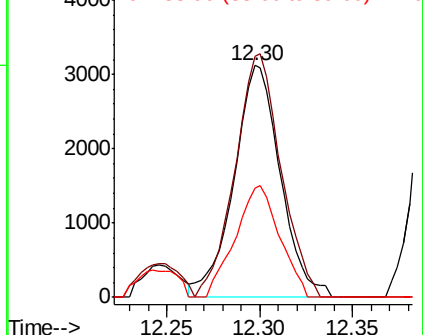
89 45.8 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 3.957 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059593.D

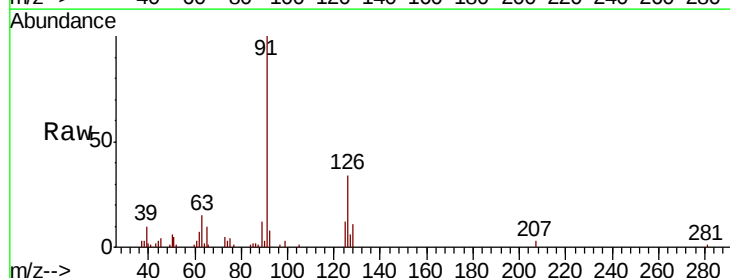
Acq: 13 Dec 2019 18:56

Tgt Ion: 91 Resp: 34415

Ion Ratio Lower Upper

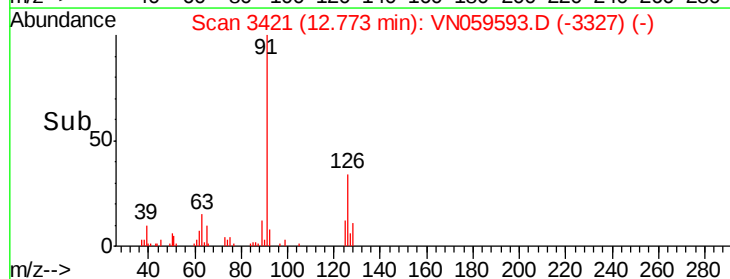
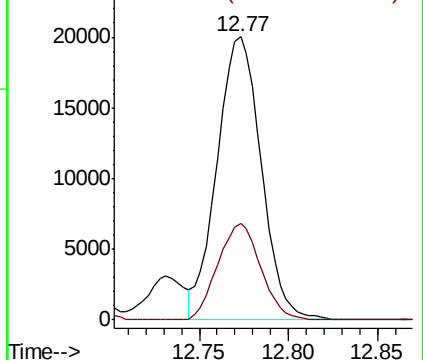
91 100

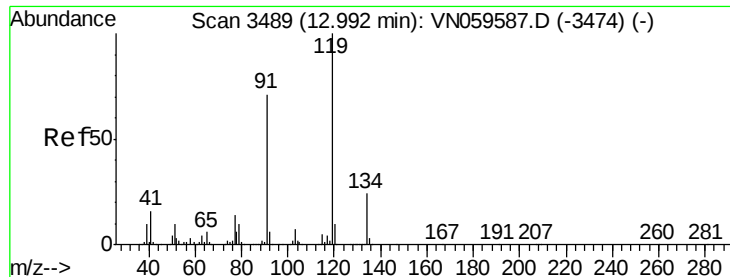
126 32.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

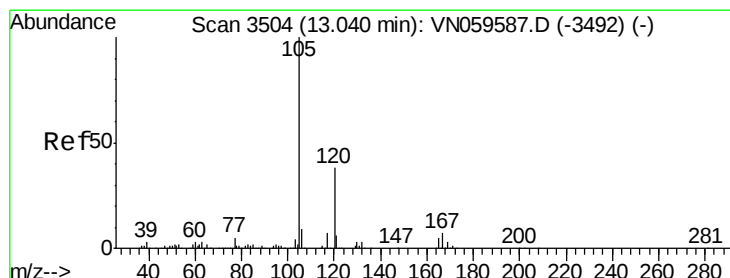
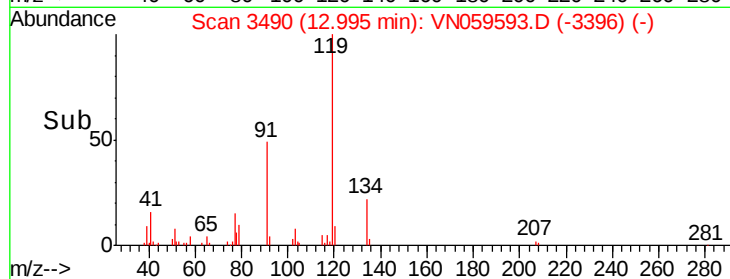
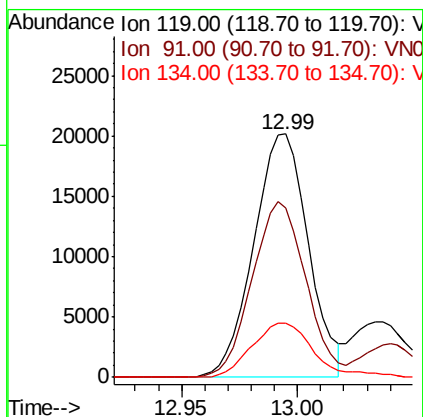
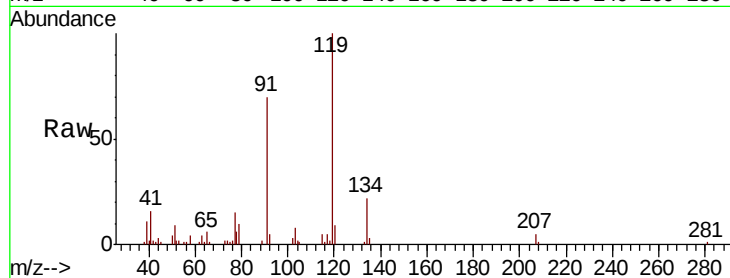




#83
 tert-Butylbenzene
 Concen: 3.985 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

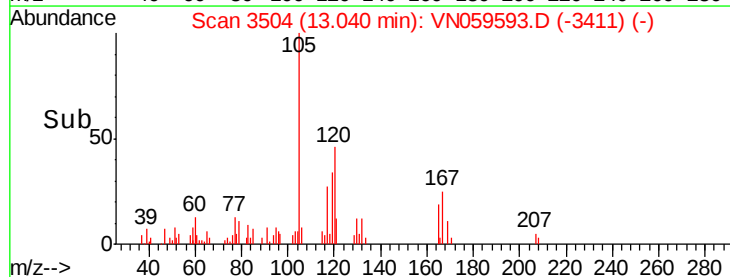
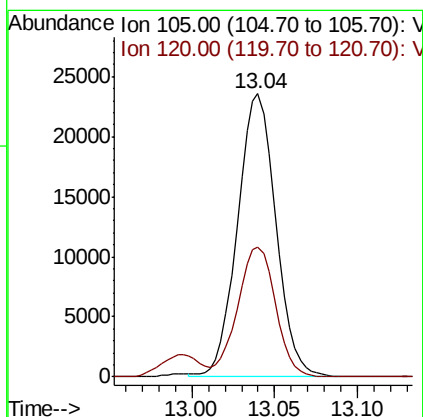
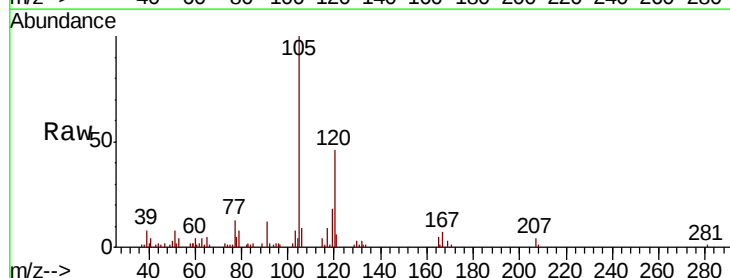
Instrument :
 MSVOA_N
 ClientSampled :

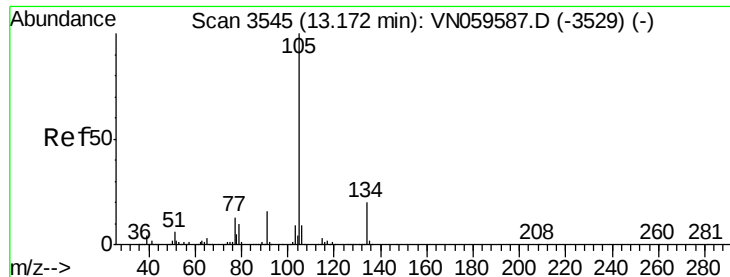
Tot Ion:119 Resp: 33028
 Ion Ratio Lower Upper
 119 100
 91 71.2 34.8 104.4
 134 25.2 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 3.871 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion:105 Resp: 38007
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.9

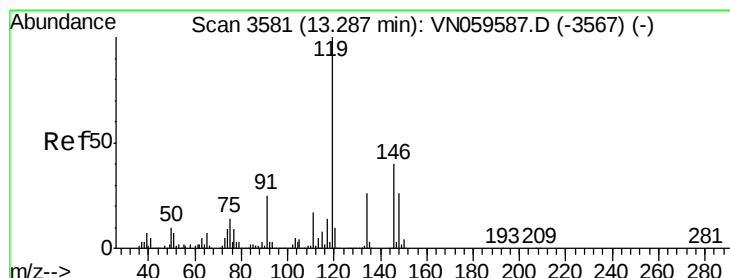
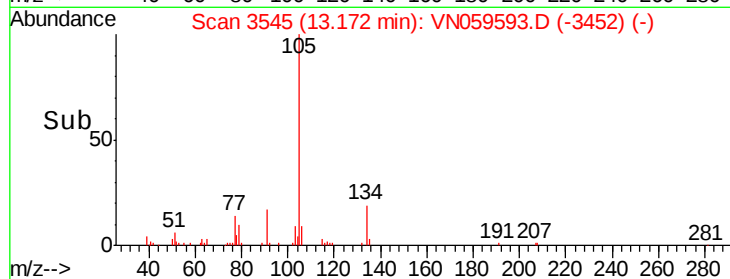
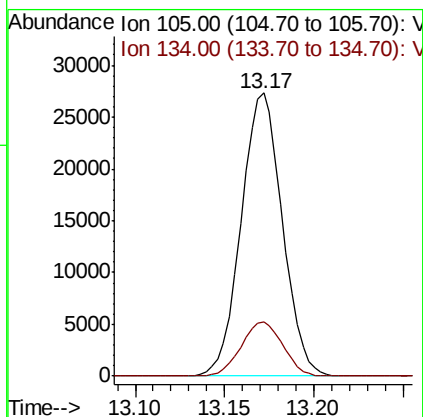
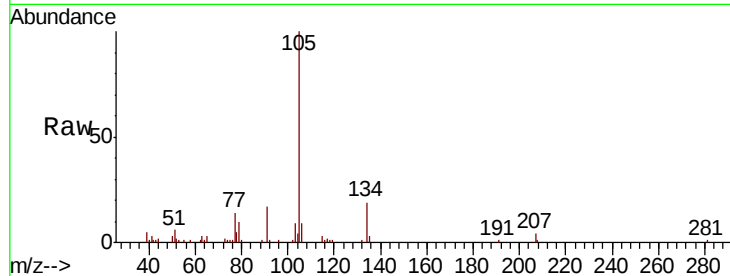




#85
 sec-Butylbenzene
 Concen: 3.883 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

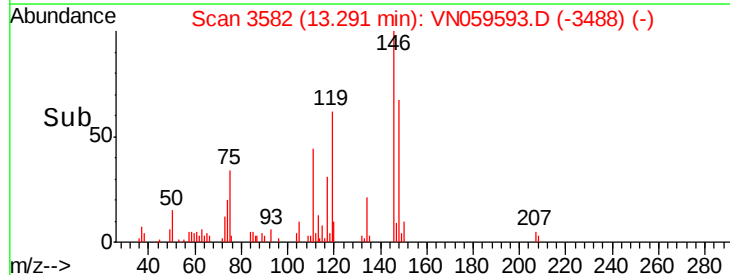
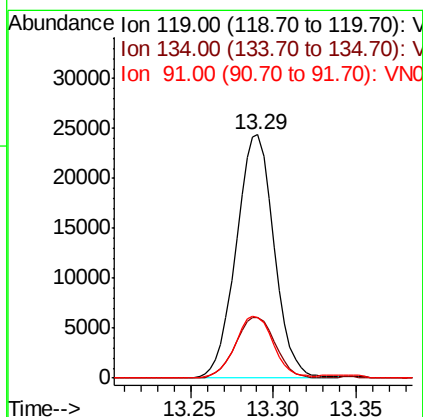
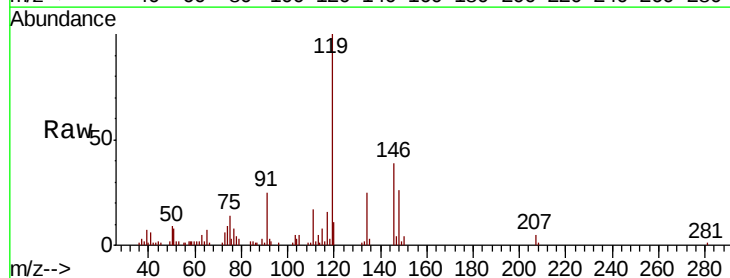
Instrument :
 MSVOA_N
 ClientSampled :

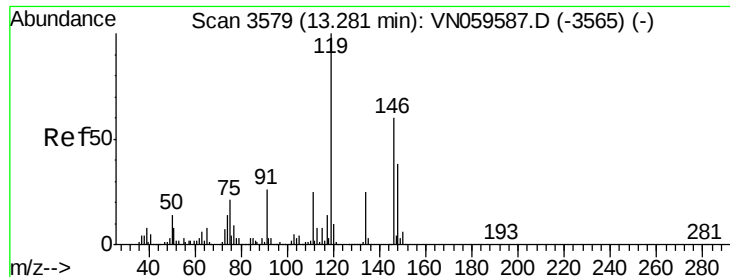
Tot Ion:105 Resp: 44088
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 3.833 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion:119 Resp: 38822
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.9 38.7
 91 25.8 12.4 37.4

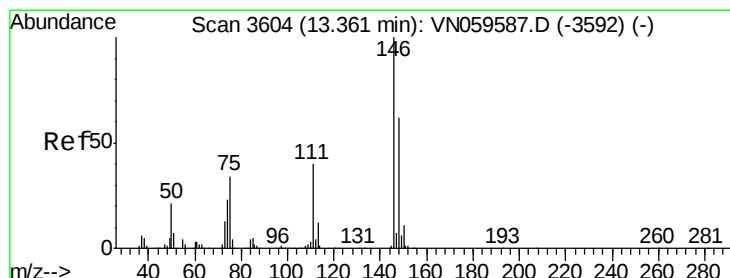
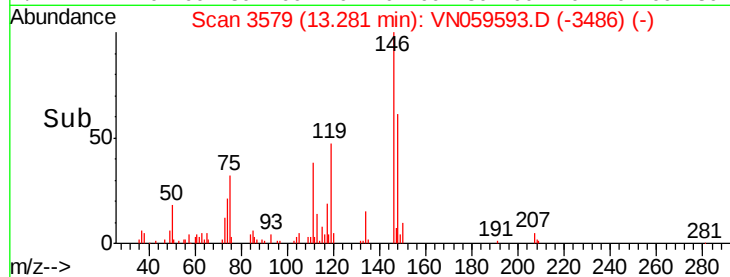
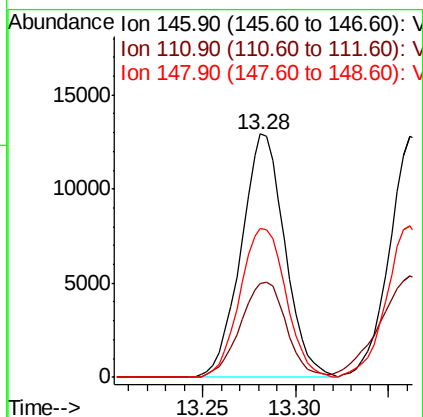
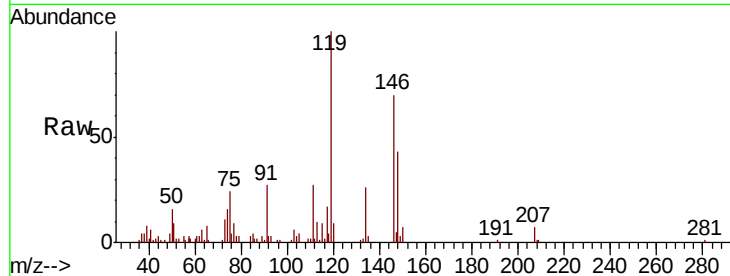




#87
 1,3-Dichlorobenzene
 Concen: 4.013 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

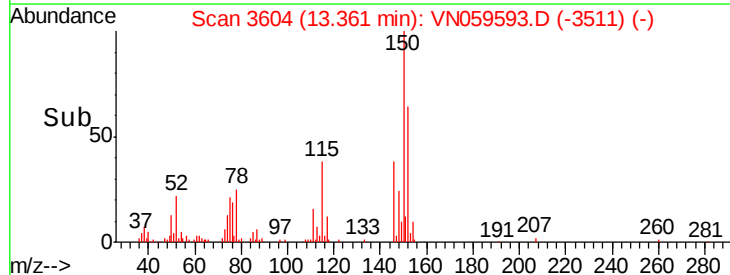
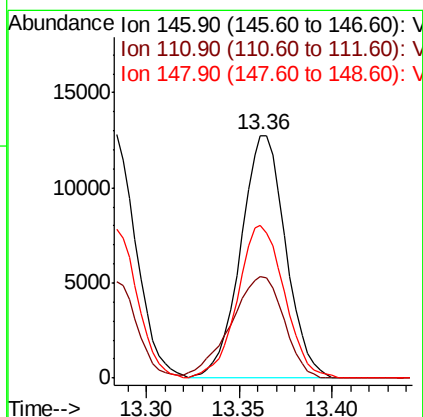
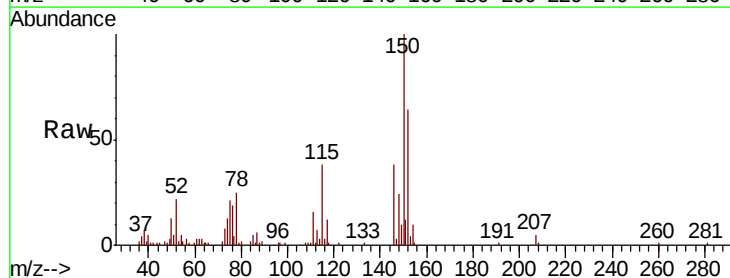
Instrument :
 MSVOA_N
 ClientSampleId :

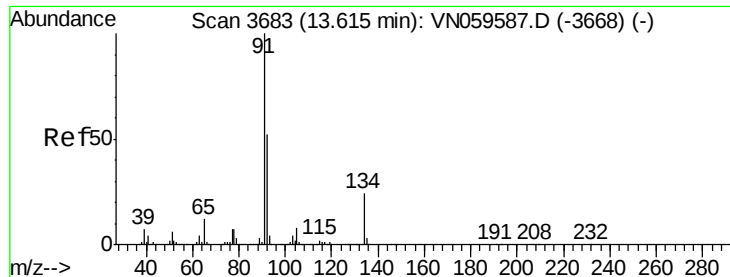
Tot Ion:146 Resp: 21223
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.8 62.2
 148 64.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 4.184 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion:146 Resp: 21620
 Ion Ratio Lower Upper
 146 100
 111 49.6 20.8 62.2
 148 65.3 31.8 95.4





#89

n-Butylbenzene

Concen: 3.750 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

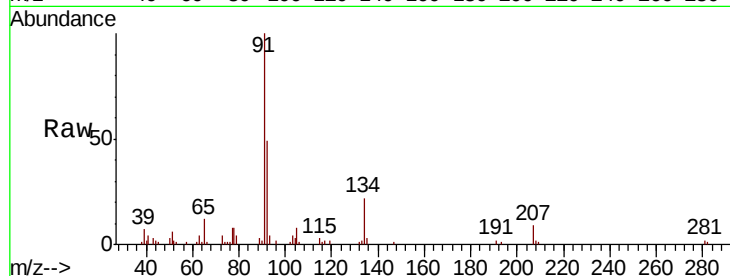
Tot Ion: 91 Resp: 35807

Ion Ratio Lower Upper

91 100

92 48.7 25.9 77.7

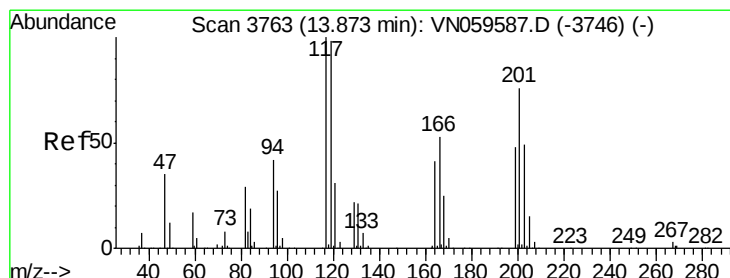
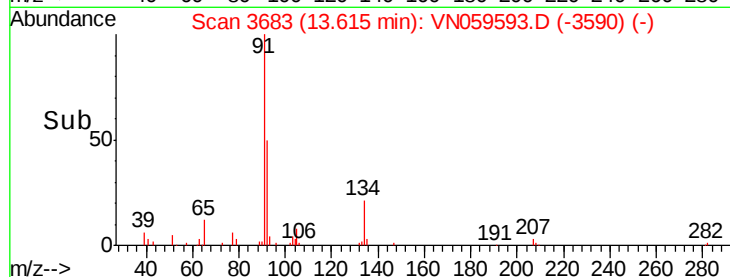
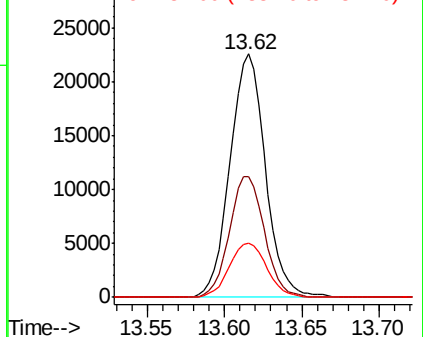
134 23.5 12.3 36.8



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) (-)



#90

Hexachloroethane

Concen: 4.342 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN059593.D

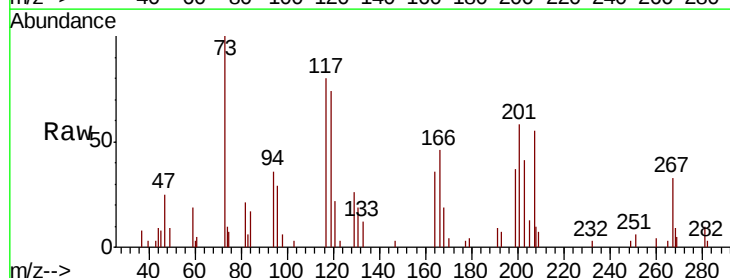
Acq: 13 Dec 2019 18:56

Tgt Ion: 117 Resp: 8128

Ion Ratio Lower Upper

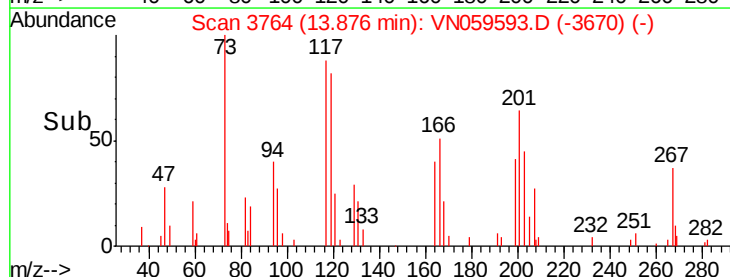
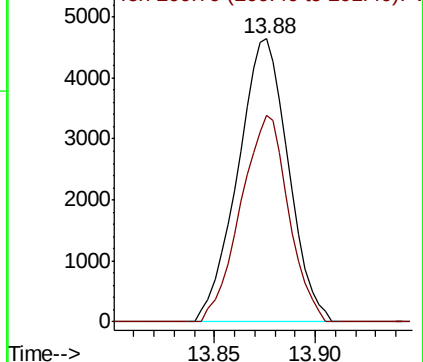
117 100

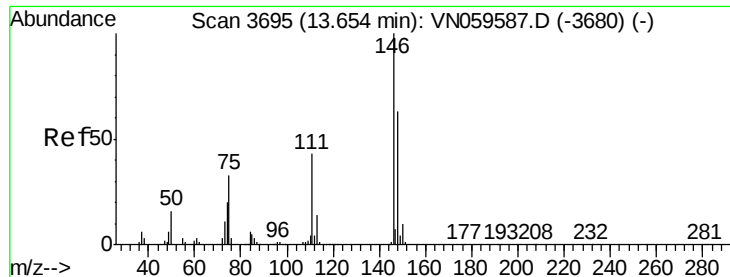
201 69.1 37.8 113.4



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

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





#91

1,2-Dichlorobenzene

Concen: 4.173 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

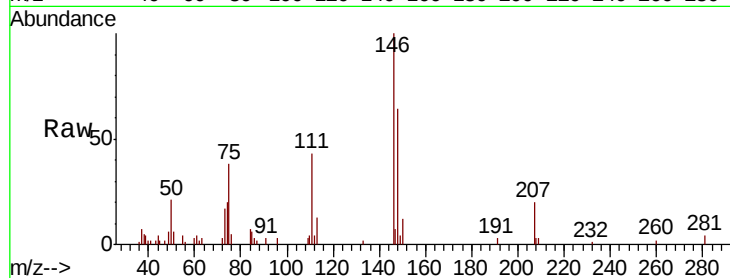
Tot Ion:146 Resp: 20790

Ion Ratio Lower Upper

146 100

111 43.7 21.6 64.8

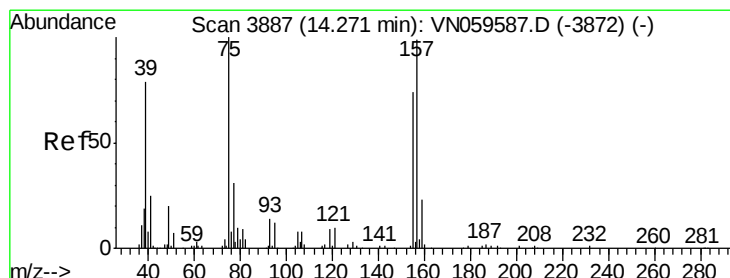
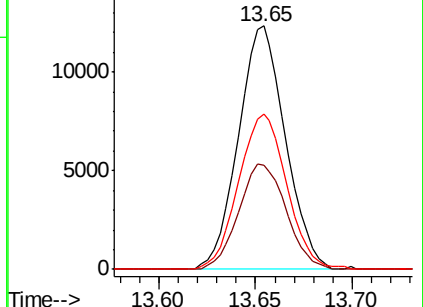
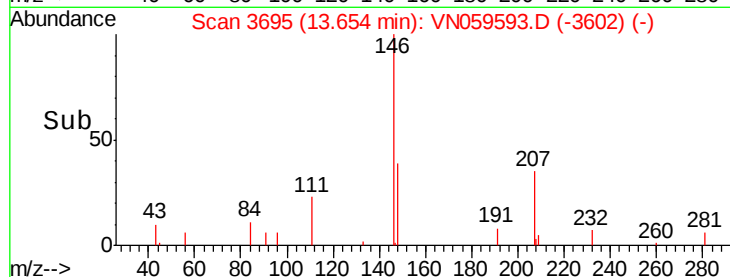
148 65.5 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.291 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

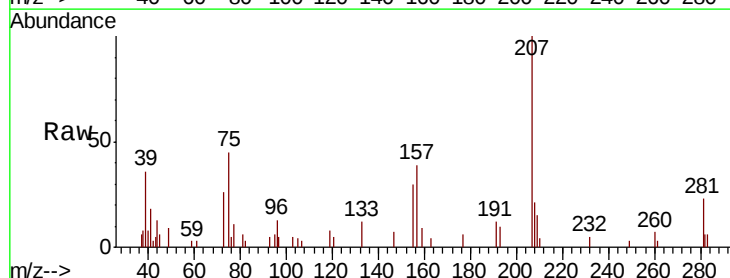
Tgt Ion: 75 Resp: 4272

Ion Ratio Lower Upper

75 100

155 62.5 37.0 110.9

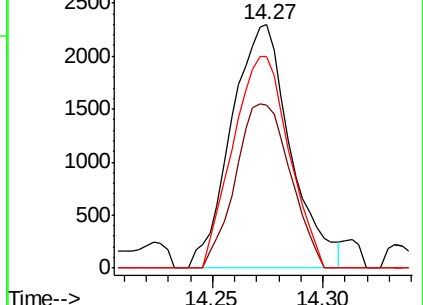
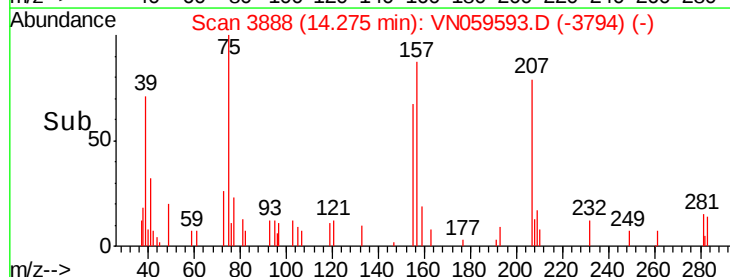
157 82.1 48.4 145.2

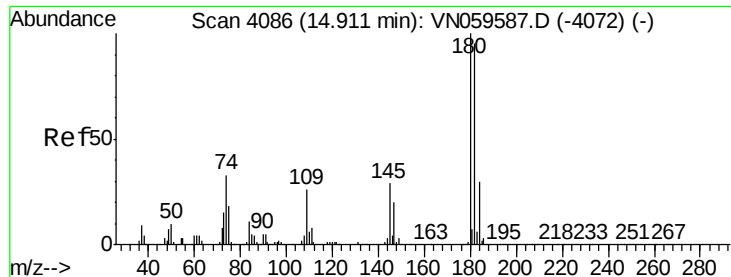


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

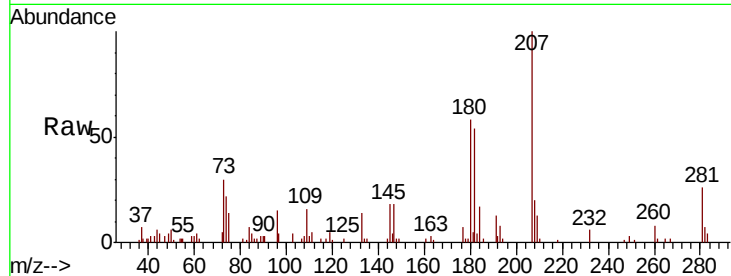




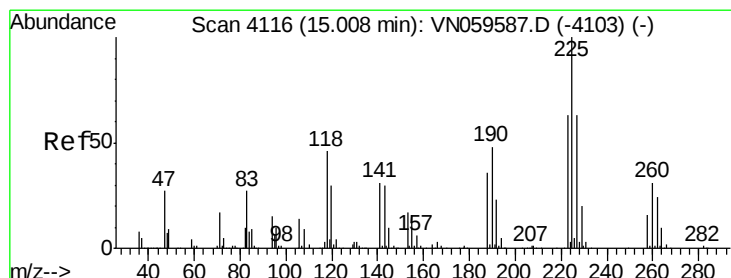
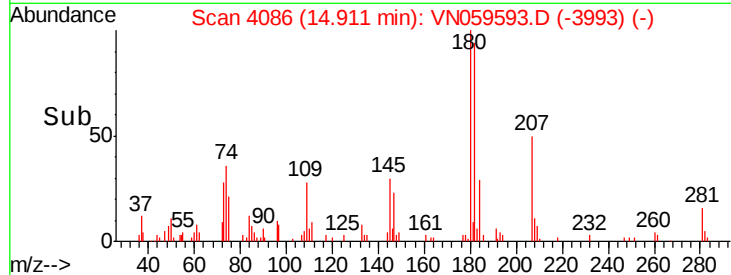
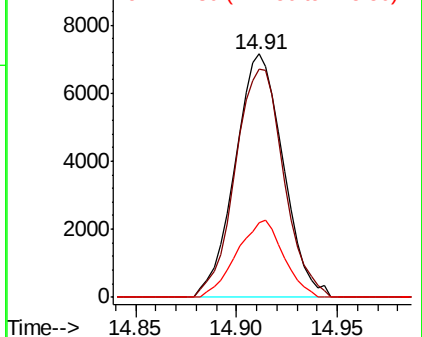
#93
 1,2,4-Trichlorobenzene
 Concen: 3.510 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 11894
 Ion Ratio Lower Upper
 180 100
 182 95.0 46.9 140.7
 145 30.8 15.0 45.1

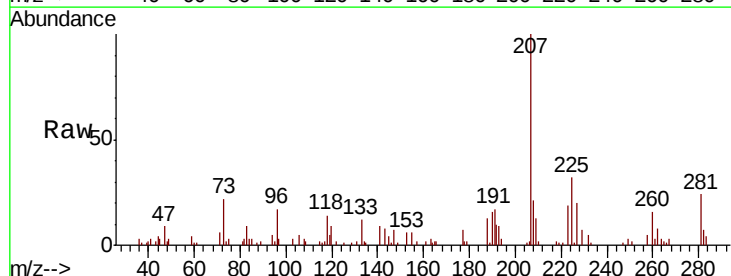


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

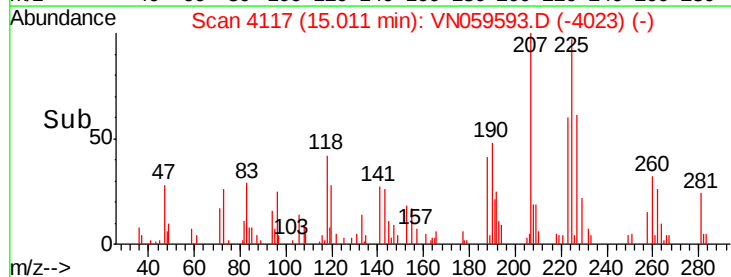
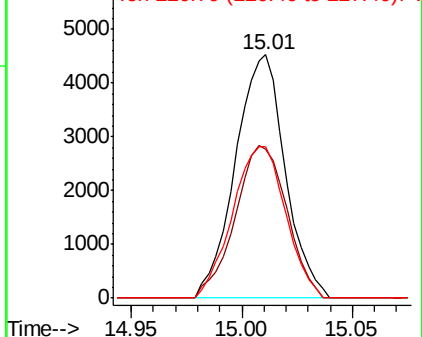


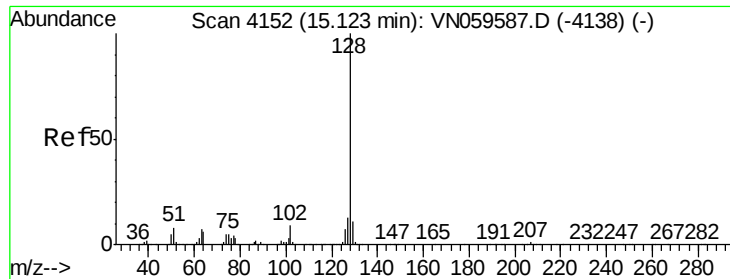
#94
 Hexachlorobutadiene
 Concen: 4.157 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion:225 Resp: 7112
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.8 95.3
 227 66.4 32.1 96.5



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





#95

Naphthalene

Concen: 3.332 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampled :

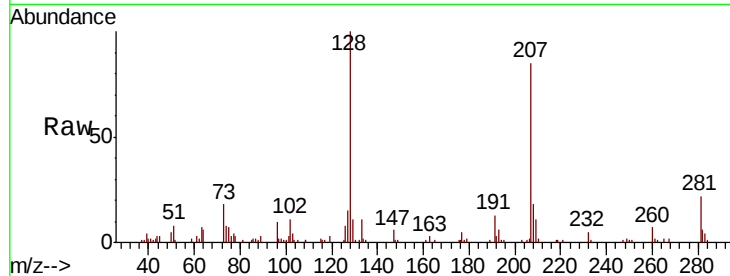
Tot Ion:128 Resp: 33267

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

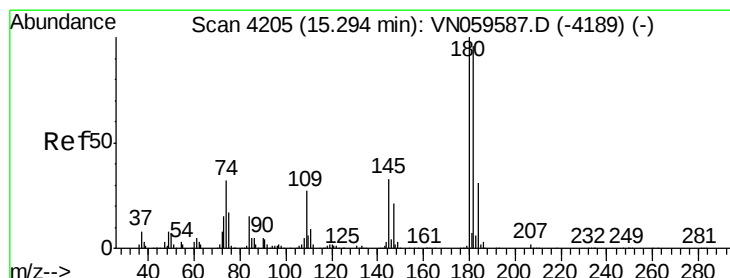
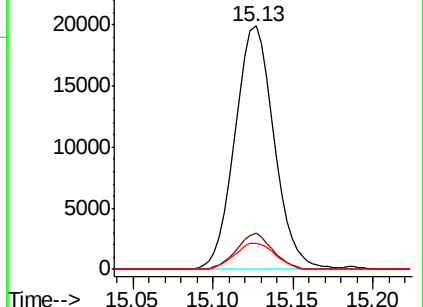
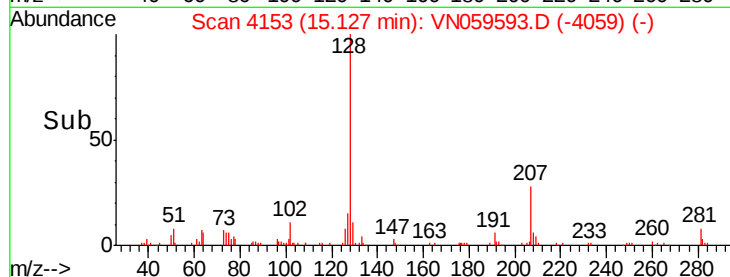
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.583 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

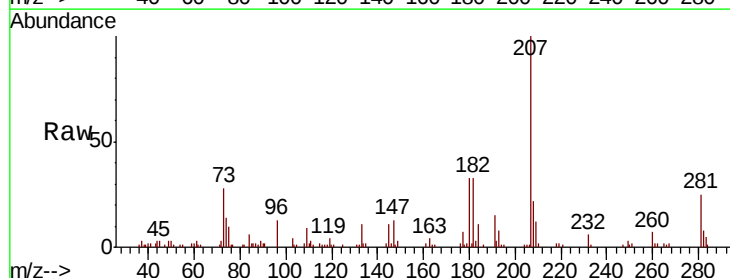
Tgt Ion:180 Resp: 12479

Ion Ratio Lower Upper

180 100

182 94.2 47.4 142.3

145 34.9 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

