

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020278.D
 Acq On : 22 Dec 2020 02:56
 Operator : JC/MD
 Sample : PB133709ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 05:18:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

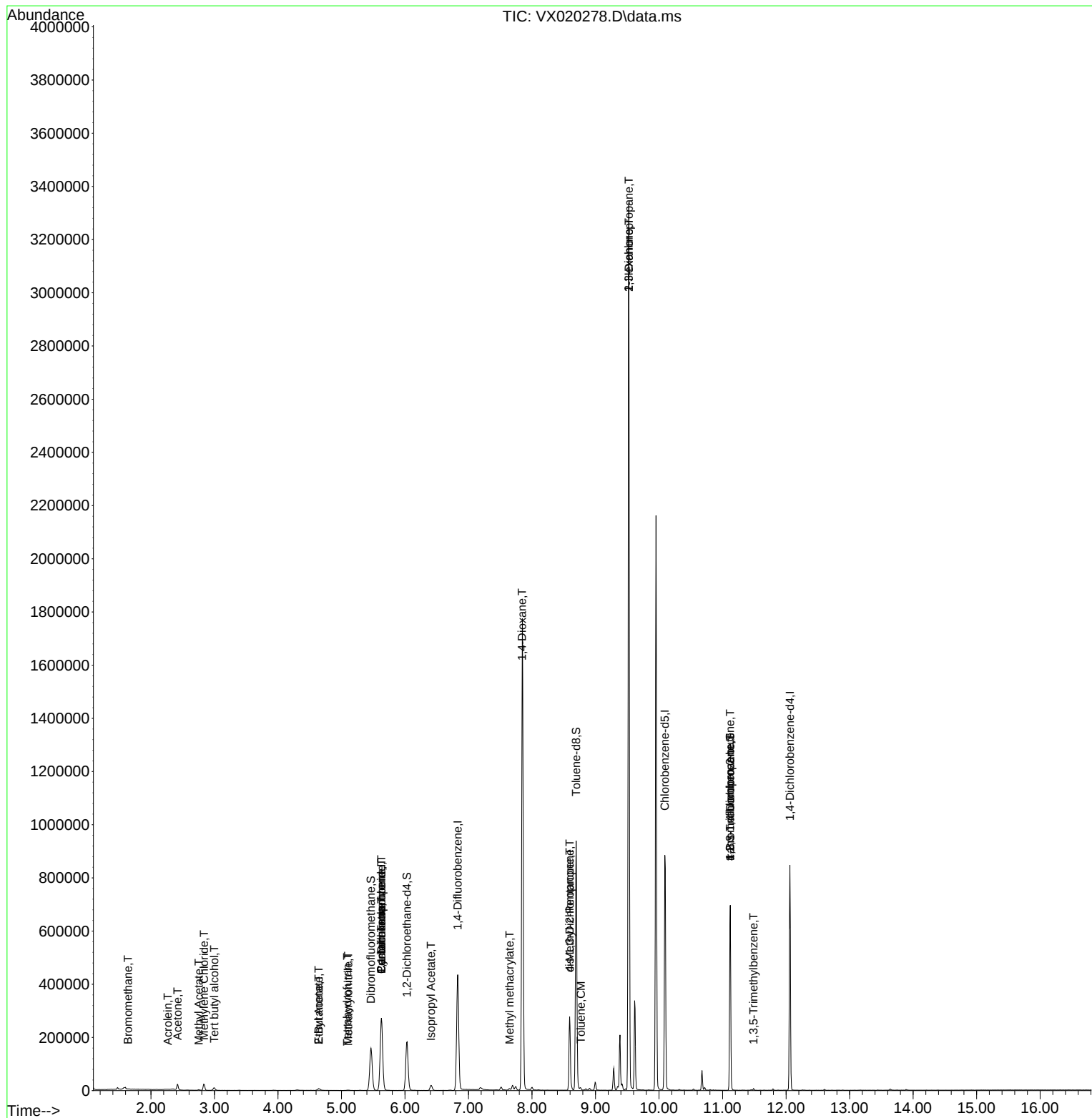
Internal Standards						
1) Pentafluorobenzene	5.629	168	255057	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	433745	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	413715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	167258	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	173690	50.80	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.60%			
35) Dibromofluoromethane	5.464	113	138612	49.96	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.92%			
50) Toluene-d8	8.695	98	549950	51.49	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.98%			
62) 4-Bromofluorobenzene	11.122	95	186106	45.53	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.06%			
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	381	0.34	ug/l #	73
11) Tert butyl alcohol	2.995	59	6643	8.68	ug/l #	76
13) Acrolein	2.264	56	120	0.25	ug/l #	53
16) Acetone	2.416	43	21251	13.63	ug/l	98
18) Methyl Acetate	2.751	43	3169	0.91	ug/l	100
20) Methylene Chloride	2.837	84	10828	3.08	ug/l	96
25) 2-Butanone	4.641	43	9490	4.18	ug/l	100
29) Tetrahydrofuran	5.092	42	1018	0.71	ug/l #	85
31) Cyclohexane	5.629	56	5307	1.13	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20049	4.68	ug/l #	49
37) Ethyl Acetate	4.641	43	9490	2.13	ug/l #	66
38) Carbon Tetrachloride	5.629	117	25323	6.21	ug/l #	18
41) Methacrylonitrile	5.105	41	713	0.30	ug/l #	31
43) Isopropyl Acetate	6.409	43	25250	3.59	ug/l	97
48) Methyl methacrylate	7.647	41	7297	2.12	ug/l #	10
49) 1,4-Dioxane	7.842	88	240	2.97	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	87989	20.21	ug/l #	48
52) Toluene	8.769	92	2155	0.26	ug/l	93
54) cis-1,3-Dichloropropene	8.592	75	45885	8.64	ug/l #	62
57) 1,3-Dichloropropane	9.525	76	29842	5.22	ug/l #	43
59) 2-Hexanone	9.525	43	360963	108.79	ug/l #	46
76) 1,2,3-Trichloropropane	11.122	75	91253	22.15	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2756	0.27	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.122	75	91253	65.71	ug/l #	12

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

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ALS Vial : 45 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :

Quant Time: Dec 22 05:18:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

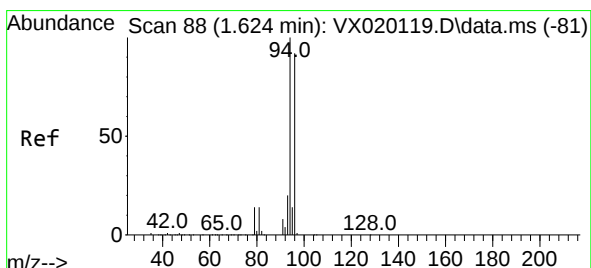
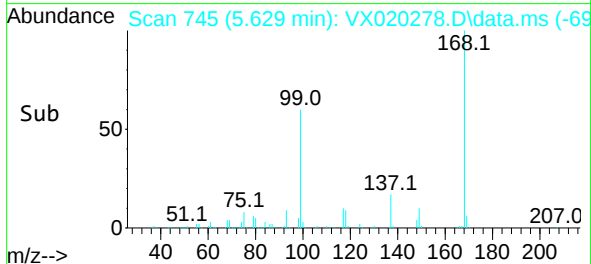
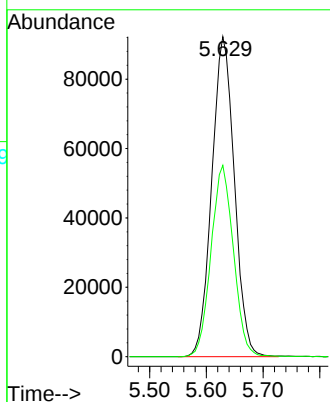
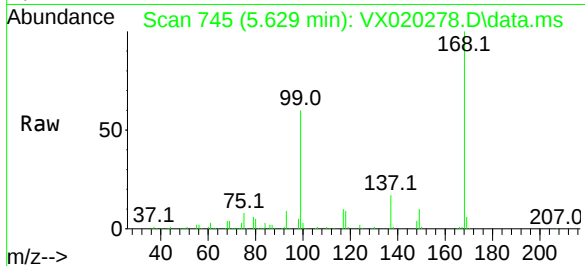




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

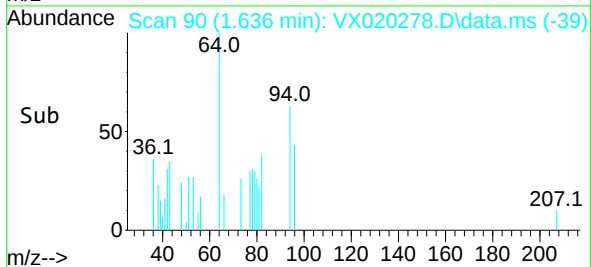
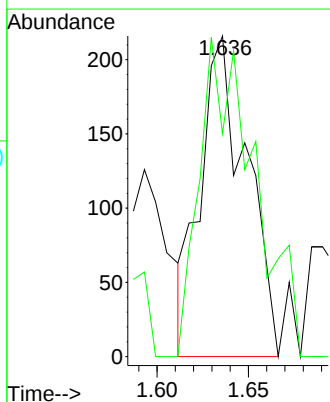
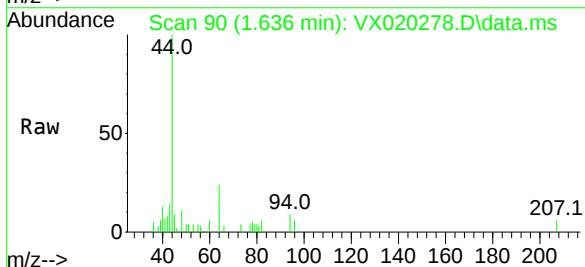
Instrument :
MSVOA_X
ClientSampled :

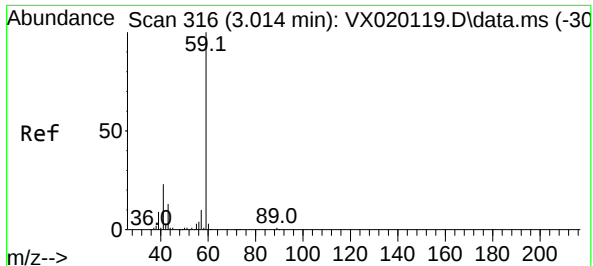
Tgt Ion:168 Resp: 255057
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6



#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 94 Resp: 381
Ion Ratio Lower Upper
94 100
96 69.4 76.4 114.6#

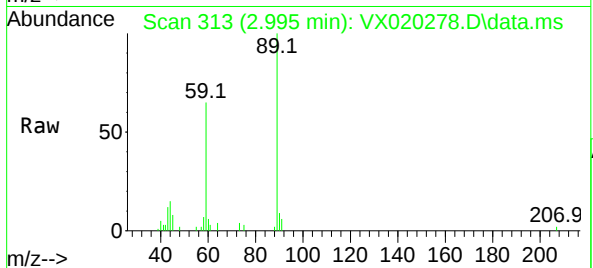




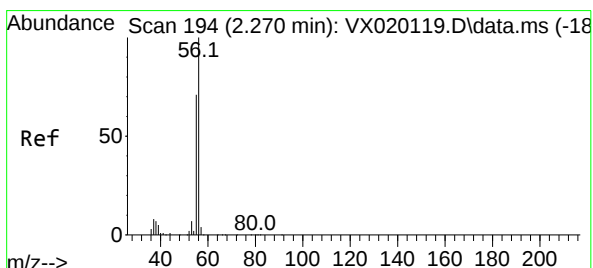
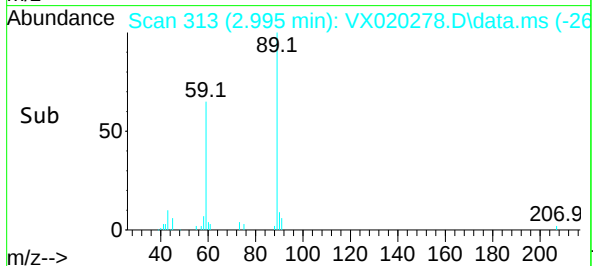
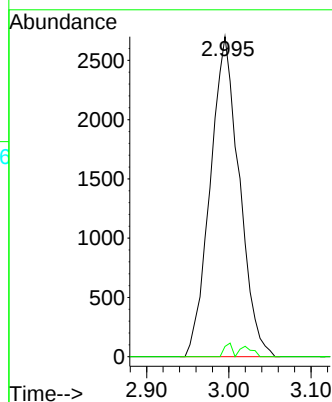
#11

Tert butyl alcohol
Concen: 8.68 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Instrument :
MSVOA_X
ClientSampled :



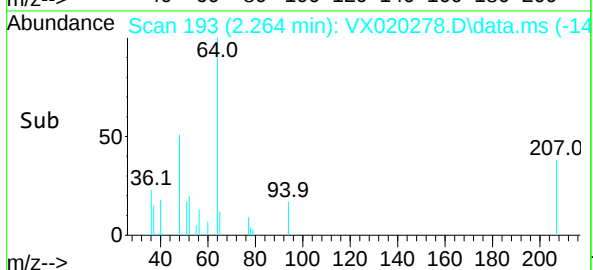
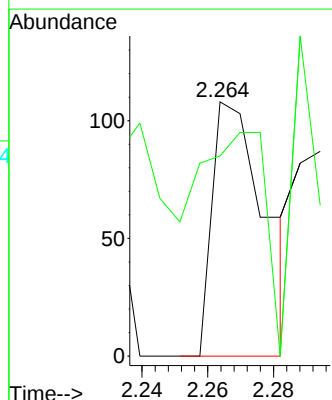
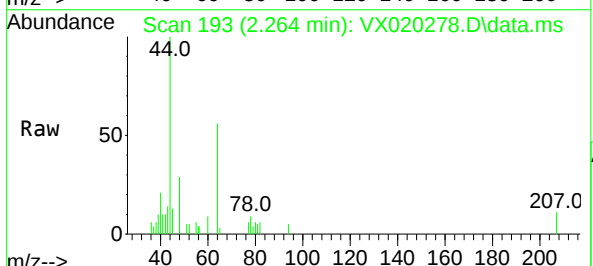
Tgt Ion: 59 Resp: 6643
Ion Ratio Lower Upper
59 100
57 1.1 7.8 11.8#



#13

Acrolein
Concen: 0.25 ug/l
RT: 2.264 min Scan# 193
Delta R.T. -0.006 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 109.2 56.4 84.6#

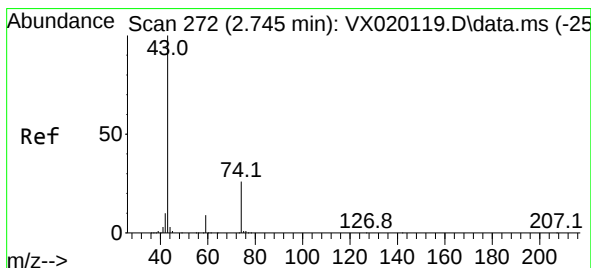
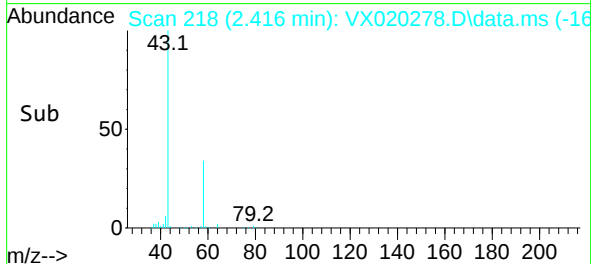
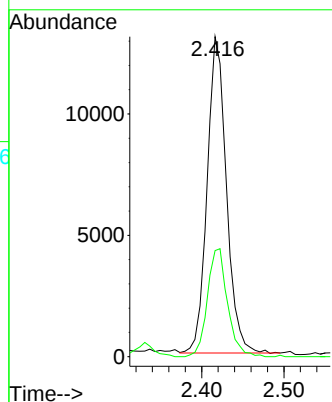
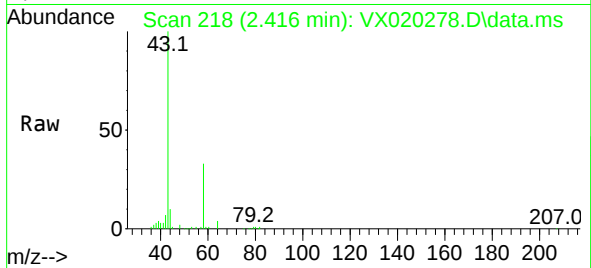




#16
Acetone
Concen: 13.63 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

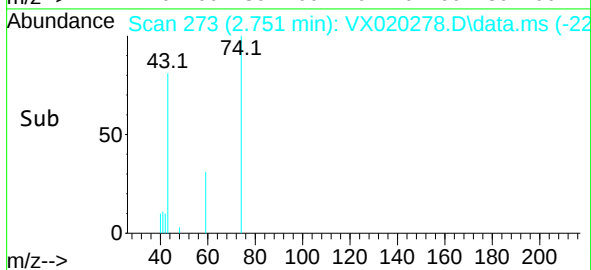
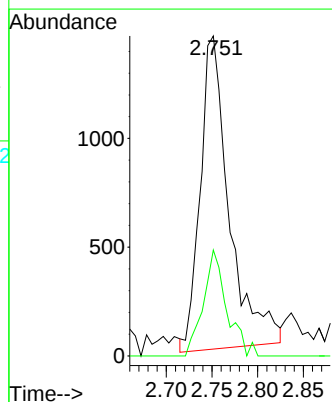
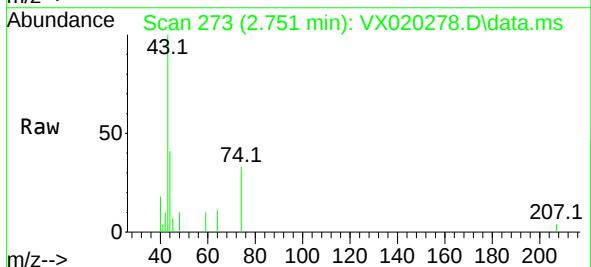
Instrument :
MSVOA_X
ClientSampled :

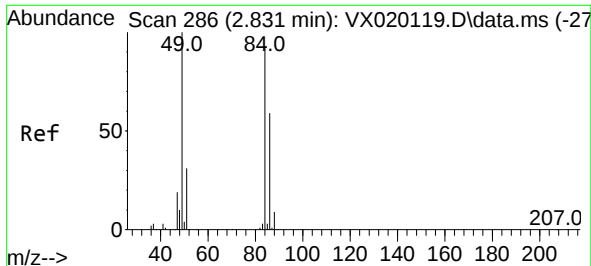
Tgt Ion: 43 Resp: 21251
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.91 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 43 Resp: 3169
Ion Ratio Lower Upper
43 100
74 27.5 21.9 32.9





#20

Methylene Chloride

Concen: 3.08 ug/l

RT: 2.837 min Scan# 287

Delta R.T. 0.006 min

Lab File: VX020278.D

Acq: 22 Dec 2020 02:56

Tgt Ion: 84 Resp: 10828

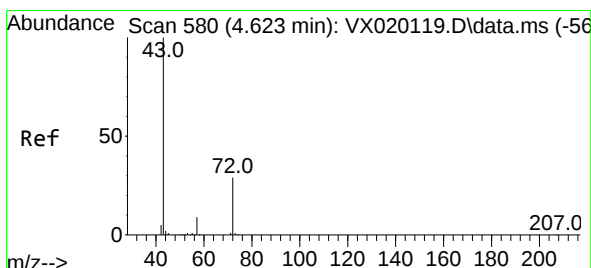
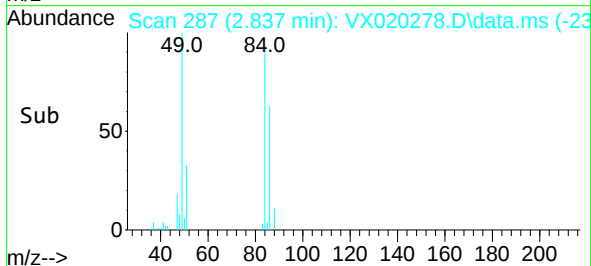
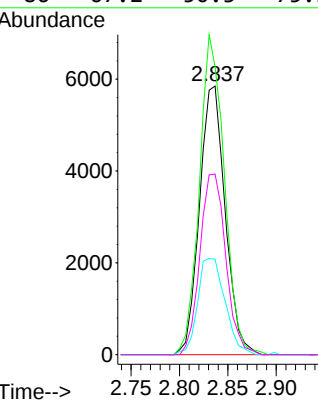
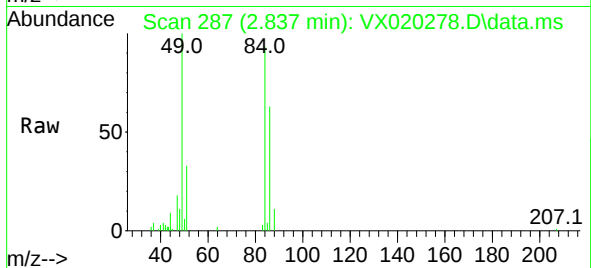
Ion Ratio Lower Upper

84 100

49 107.2 88.6 132.8

51 35.5 27.0 40.6

86 67.2 50.3 75.5



#25

2-Butanone

Concen: 4.18 ug/l

RT: 4.641 min Scan# 583

Delta R.T. 0.018 min

Lab File: VX020278.D

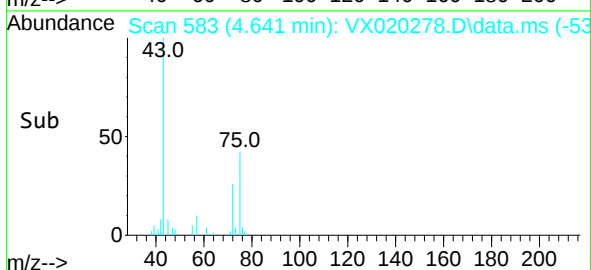
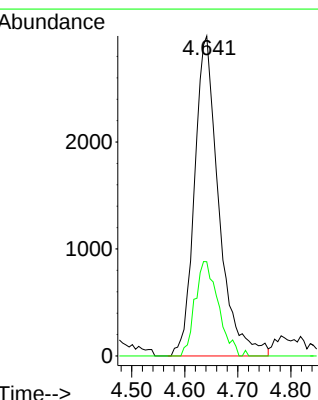
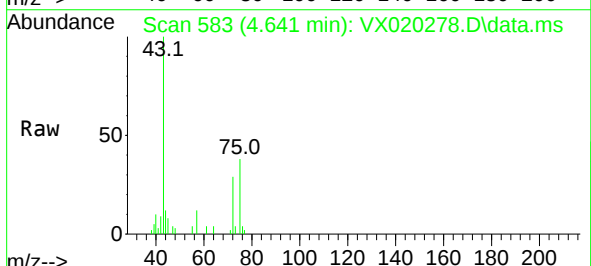
Acq: 22 Dec 2020 02:56

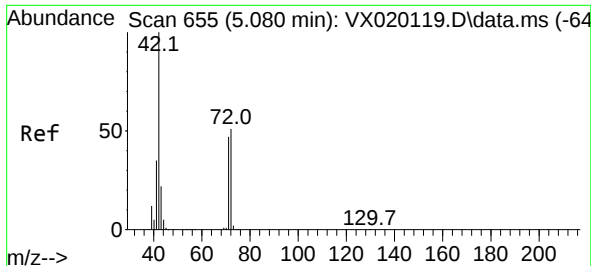
Tgt Ion: 43 Resp: 9490

Ion Ratio Lower Upper

43 100

72 29.4 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.71 ug/l

RT: 5.092 min Scan# 657

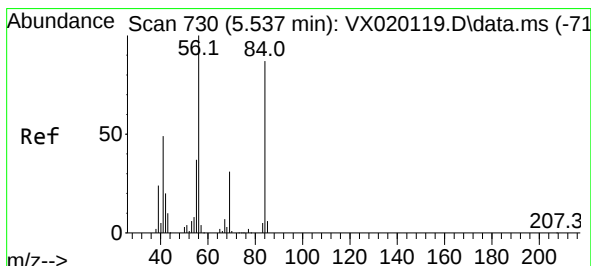
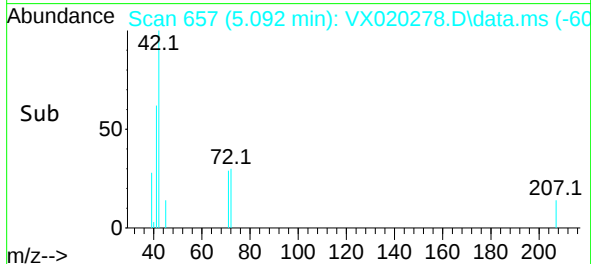
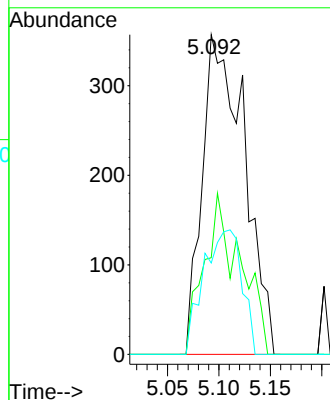
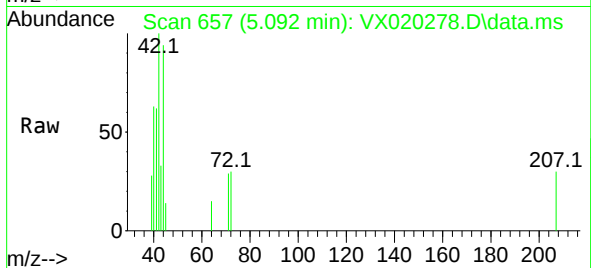
Delta R.T. 0.012 min

Lab File: VX020278.D

Acq: 22 Dec 2020 02:56

Tgt Ion:	42	Resp:	1018
Ion	Ratio	Lower	Upper
42	100		
72	43.2	41.7	62.5
71	35.5	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.13 ug/l

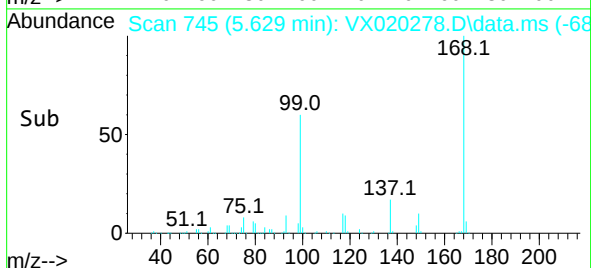
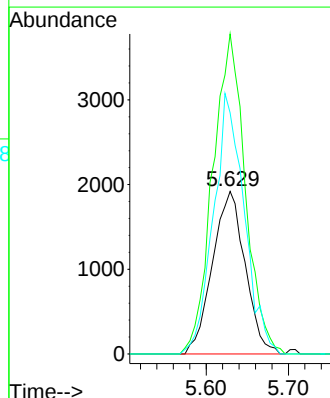
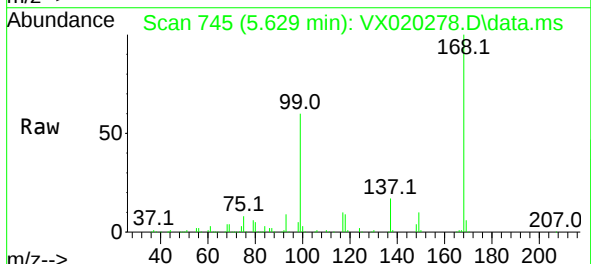
RT: 5.629 min Scan# 745

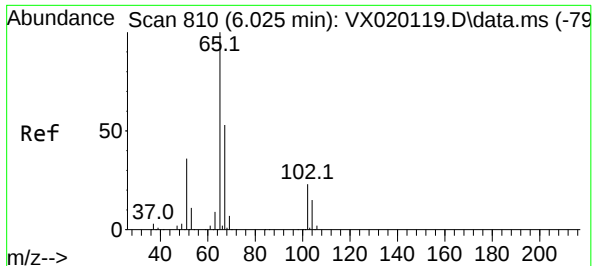
Delta R.T. 0.092 min

Lab File: VX020278.D

Acq: 22 Dec 2020 02:56

Tgt Ion:	56	Resp:	5307
Ion	Ratio	Lower	Upper
56	100		
69	196.8	25.3	37.9#
84	148.2	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.80 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020278.D

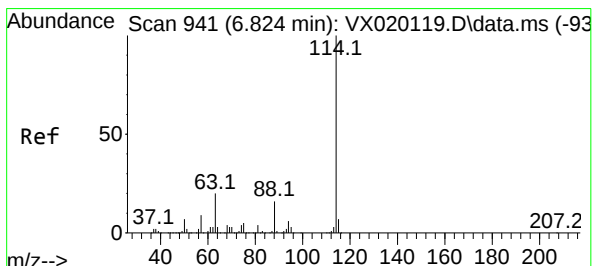
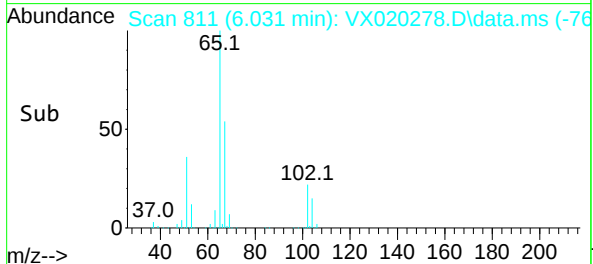
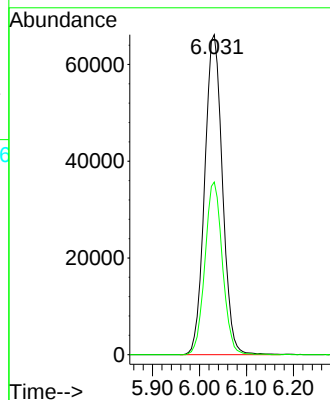
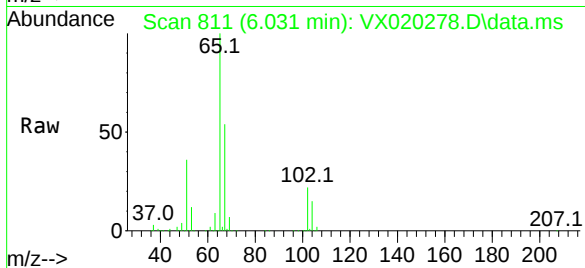
Acq: 22 Dec 2020 02:56

Tgt Ion: 65 Resp: 173690

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020278.D

Acq: 22 Dec 2020 02:56

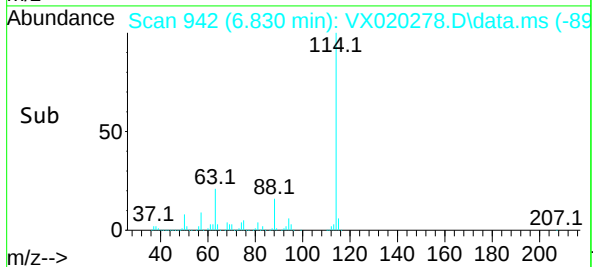
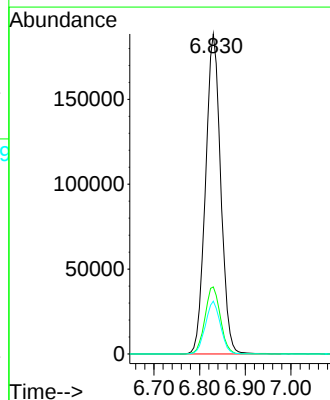
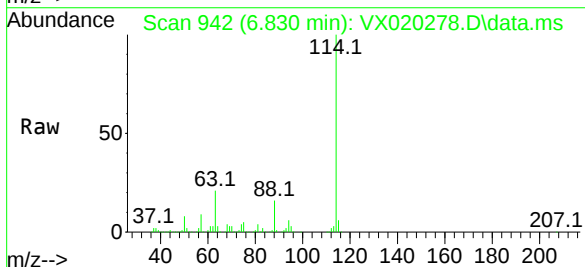
Tgt Ion: 114 Resp: 433745

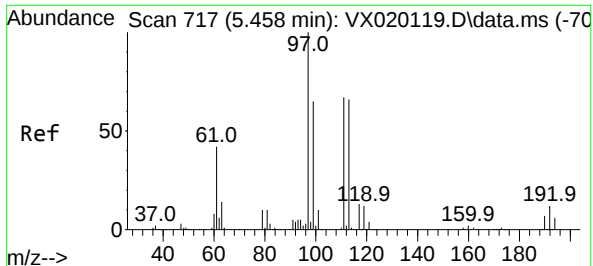
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.96 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX020278.D

Acq: 22 Dec 2020 02:56

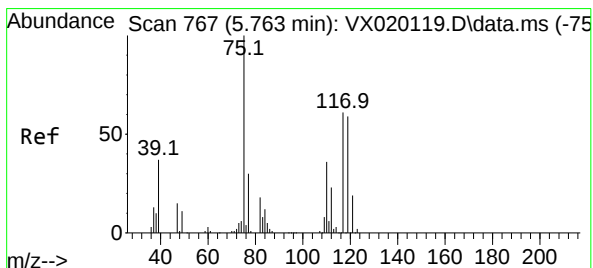
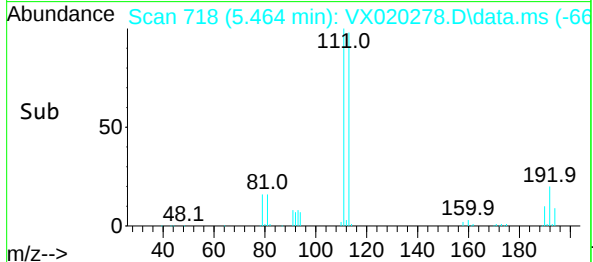
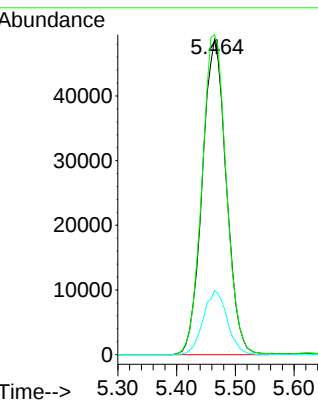
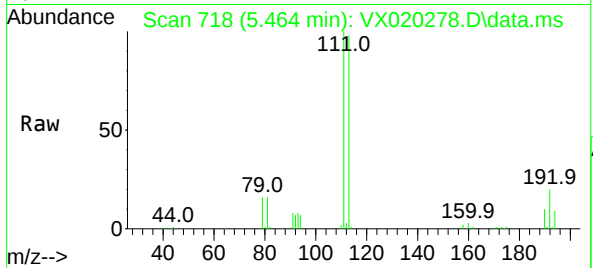
Tgt Ion:113 Resp: 138612

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

192 20.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.68 ug/l

RT: 5.629 min Scan# 745

Delta R.T. -0.134 min

Lab File: VX020278.D

Acq: 22 Dec 2020 02:56

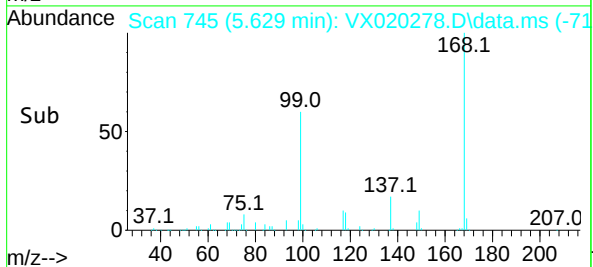
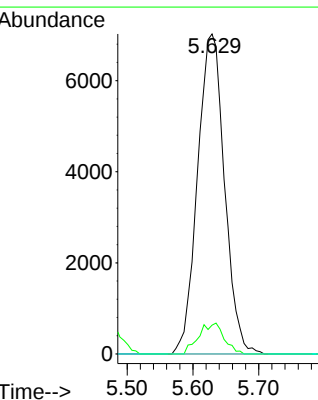
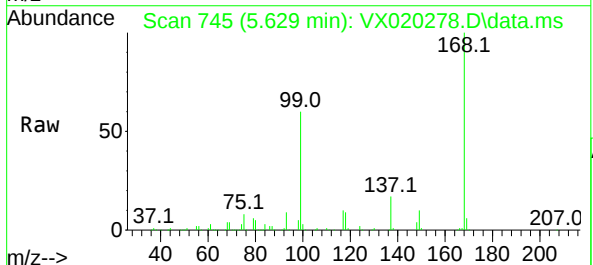
Tgt Ion: 75 Resp: 20049

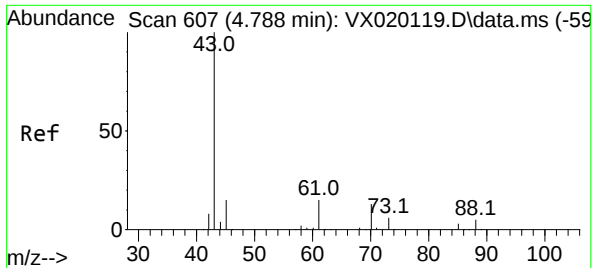
Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.13 ug/l

RT: 4.641 min Scan# 583

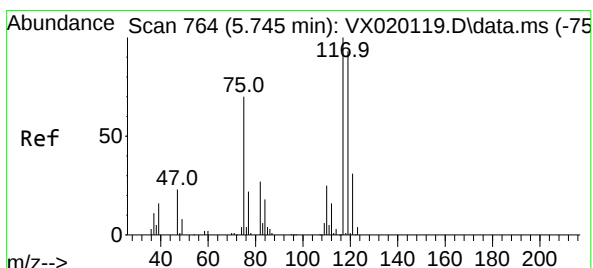
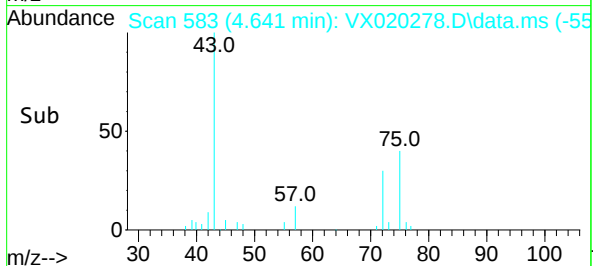
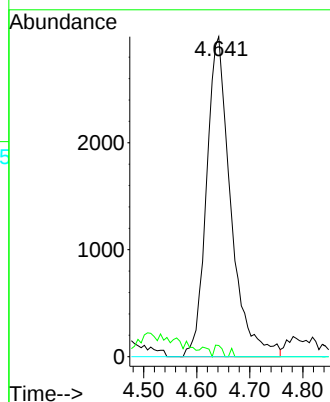
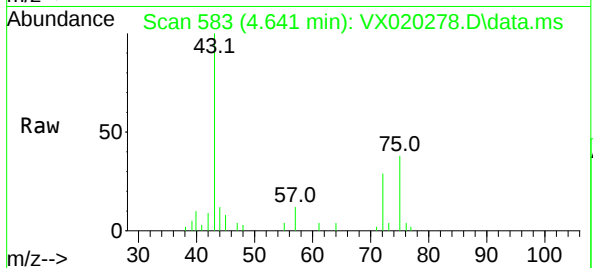
Delta R.T. -0.147 min

Lab File: VX020278.D

Acq: 22 Dec 2020 02:56

Tgt Ion:	43	Resp:	9490
Ion	Ratio	Lower	Upper
43	100		
61	1.1	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.21 ug/l

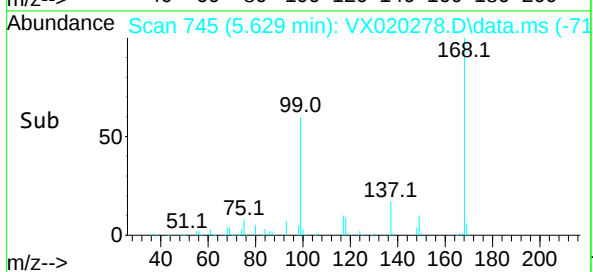
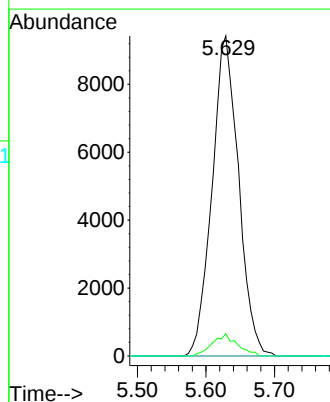
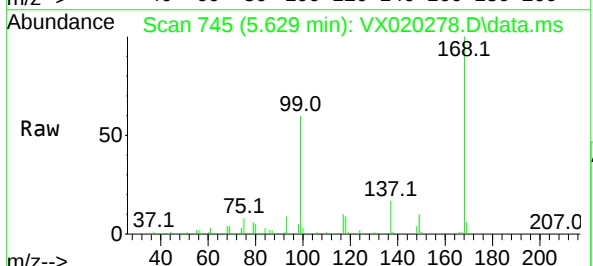
RT: 5.629 min Scan# 745

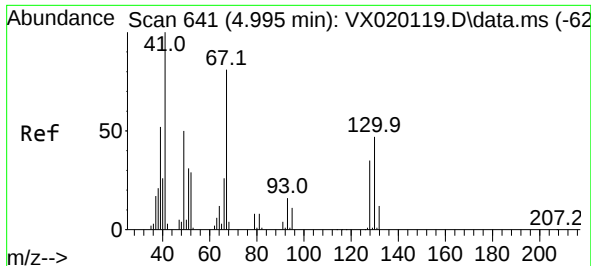
Delta R.T. -0.116 min

Lab File: VX020278.D

Acq: 22 Dec 2020 02:56

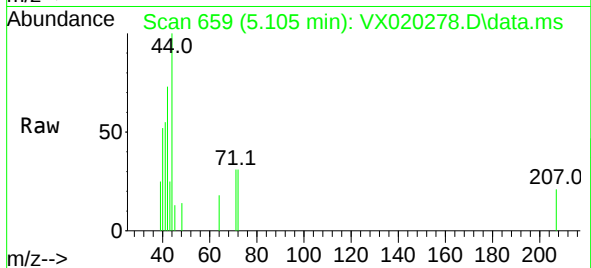
Tgt Ion:	117	Resp:	25323
Ion	Ratio	Lower	Upper
117	100		
119	6.9	76.2	114.2#
121	0.0	24.8	37.2#



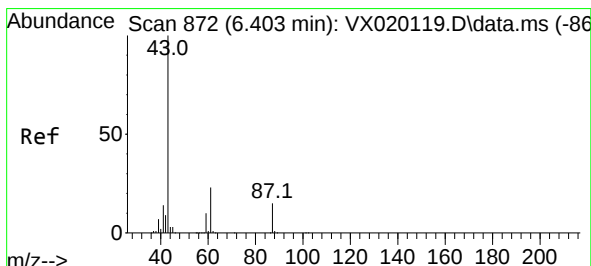
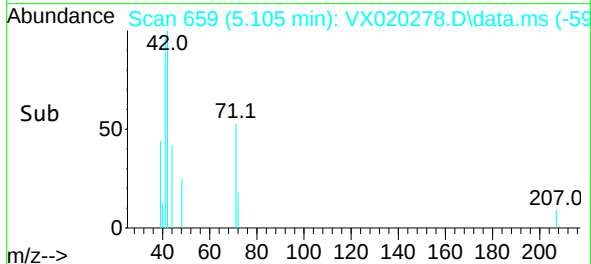
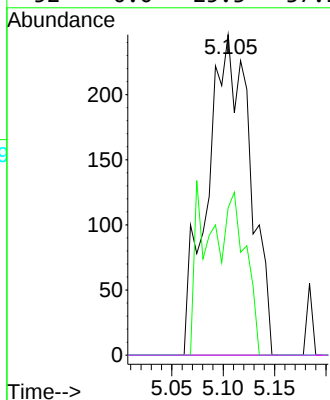


#41
Methacrylonitrile
Concen: 0.30 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.110 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Instrument :
MSVOA_X
ClientSampleId :

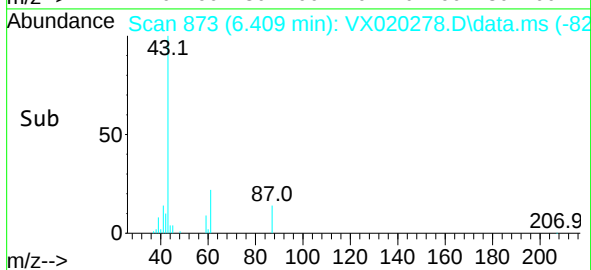
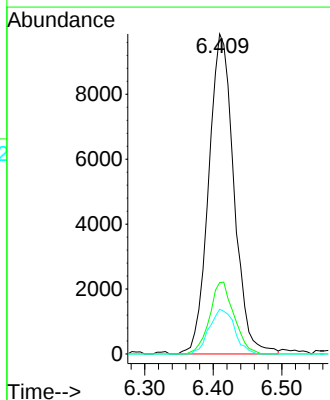
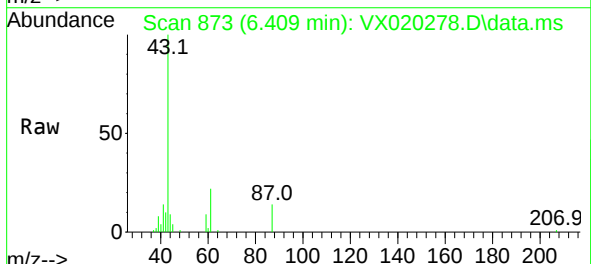


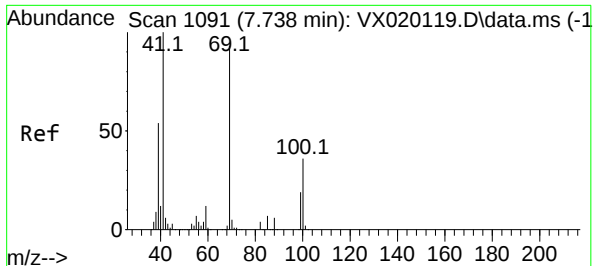
Tgt Ion:	41	Resp:	713
Ion	Ratio	Lower	Upper
41	100		
39	23.3	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 3.59 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion:	43	Resp:	25250
Ion	Ratio	Lower	Upper
43	100		
61	21.7	18.2	27.4
87	13.9	12.5	18.7

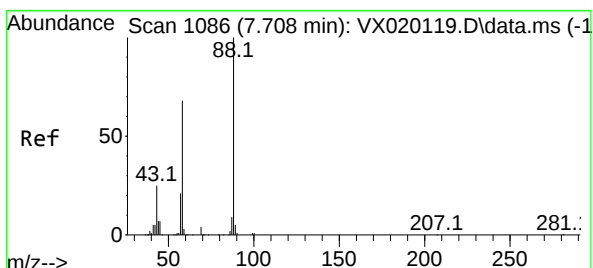
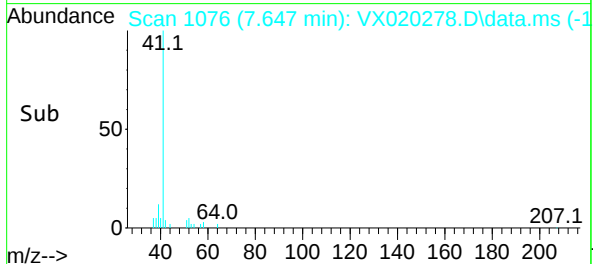
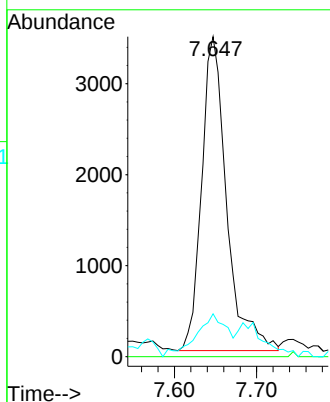
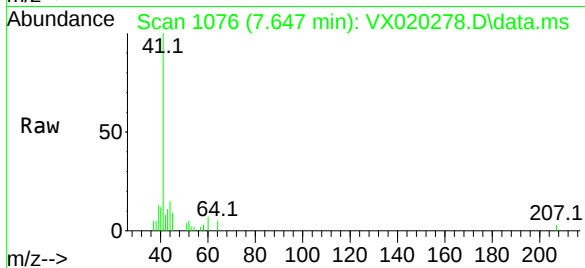




#48
Methyl methacrylate
Concen: 2.12 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

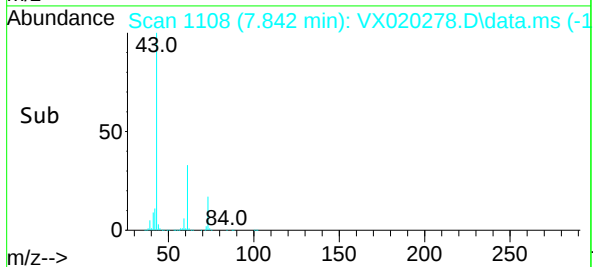
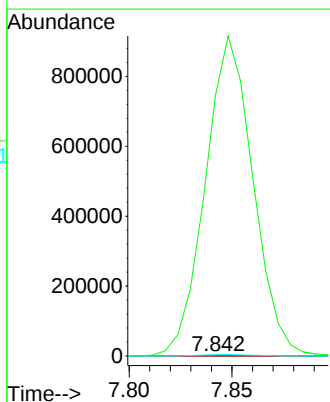
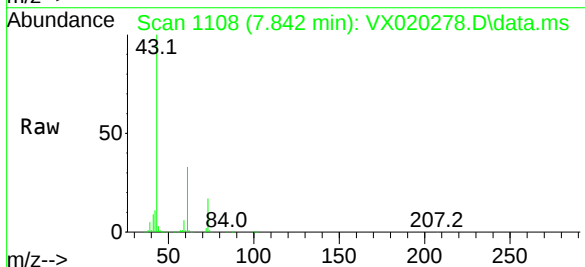
Instrument :
MSVOA_X
ClientSampled :

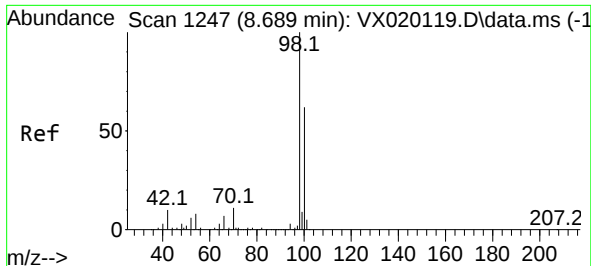
Tgt Ion: 41 Resp: 7297
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.97 ug/l
RT: 7.842 min Scan# 1108
Delta R.T. 0.134 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 619227.9 23.2 34.8#
58 3280.4 55.0 82.4#

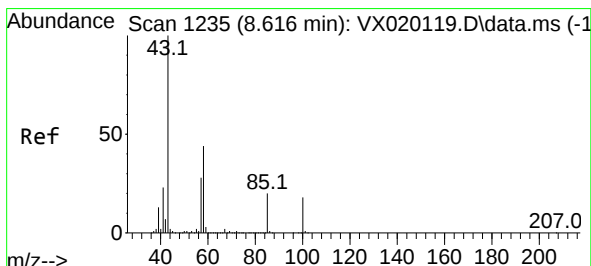
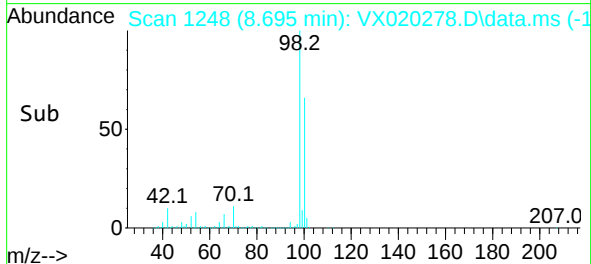
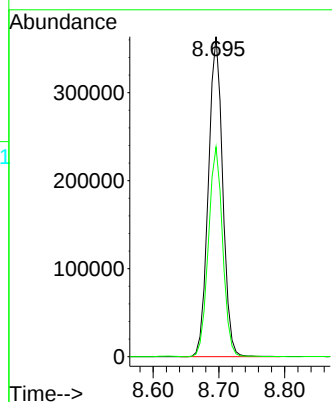
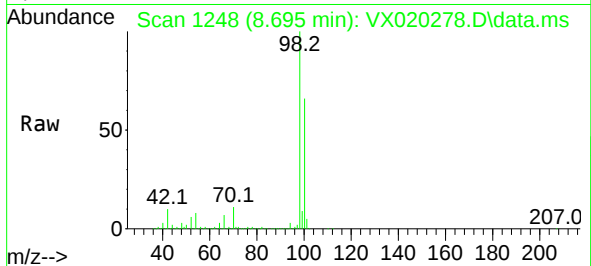




#50
Toluene-d8
Concen: 51.49 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

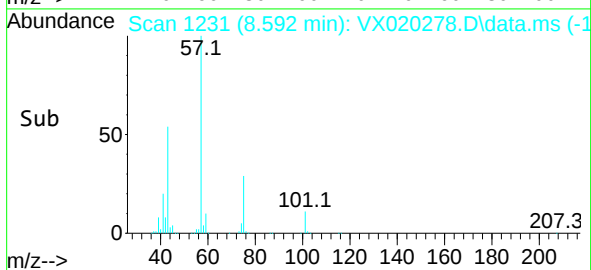
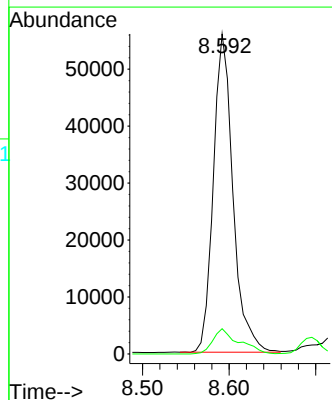
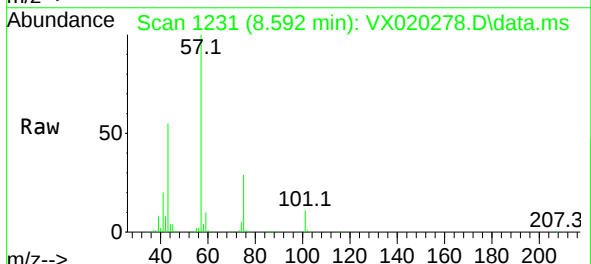
Instrument :
MSVOA_X
ClientSampled :

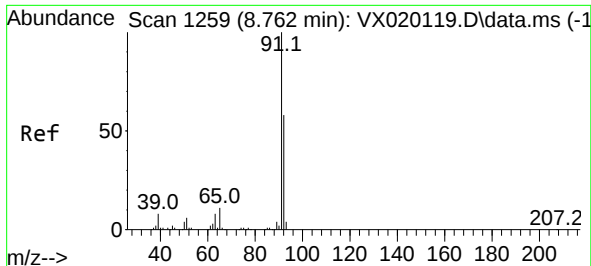
Tgt Ion: 98 Resp: 549950
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.21 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 43 Resp: 87989
Ion Ratio Lower Upper
43 100
58 10.5 35.4 53.0#

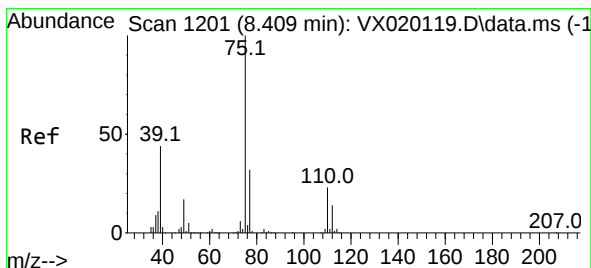
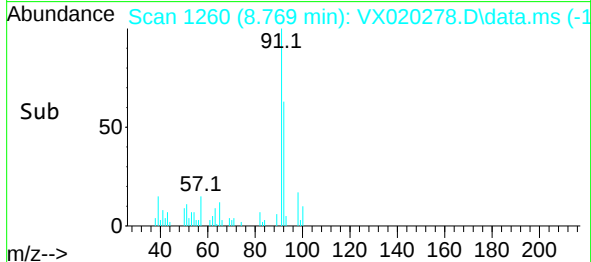
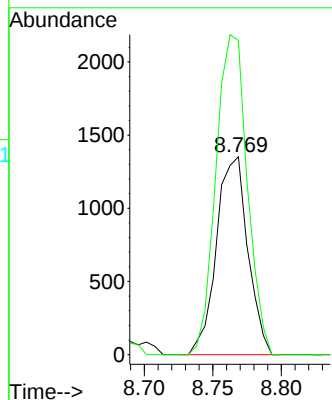
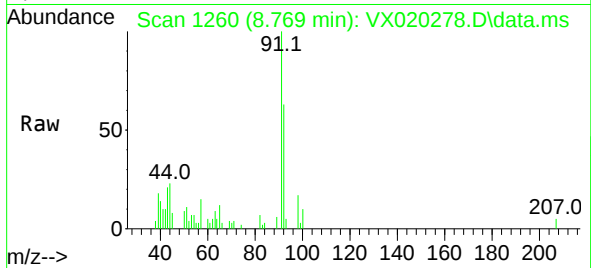




#52
Toluene
Concen: 0.26 ug/l
RT: 8.769 min Scan# 1260
Delta R.T. 0.007 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

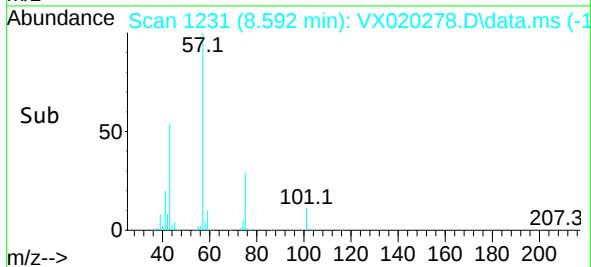
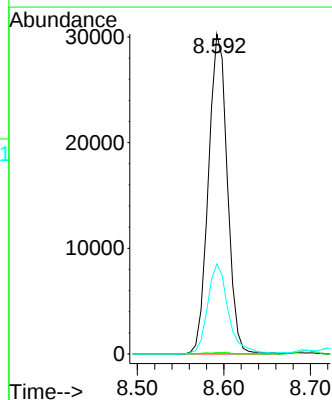
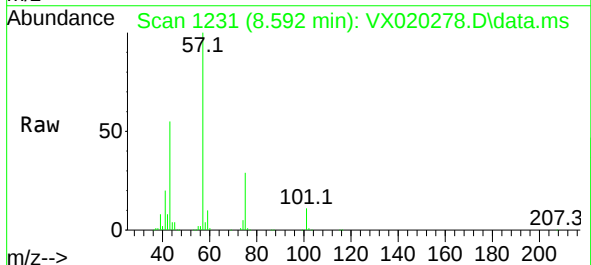
Instrument :
MSVOA_X
ClientSampled :

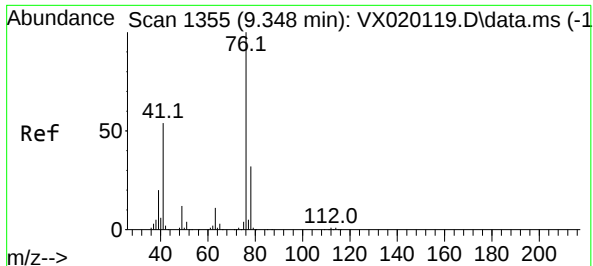
Tgt Ion: 92 Resp: 2155
Ion Ratio Lower Upper
92 100
91 161.2 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 8.64 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 75 Resp: 45885
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 28.1 35.1 52.7#

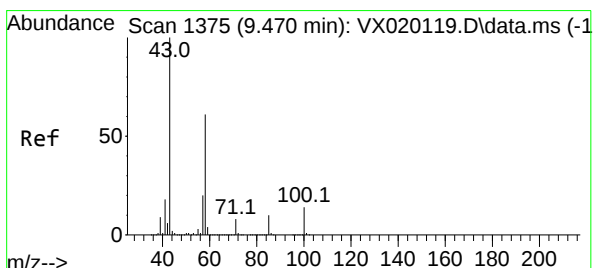
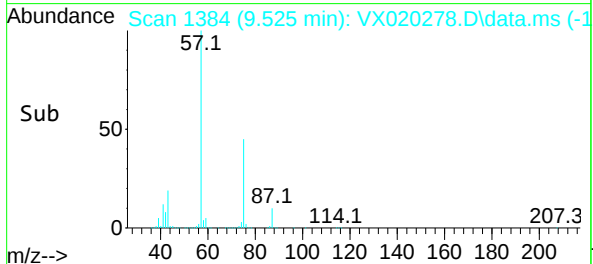
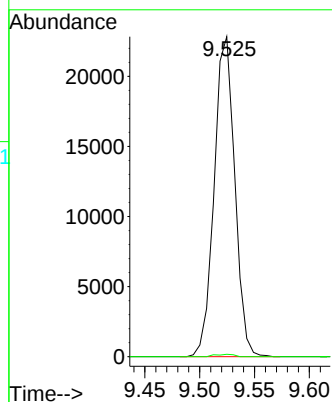
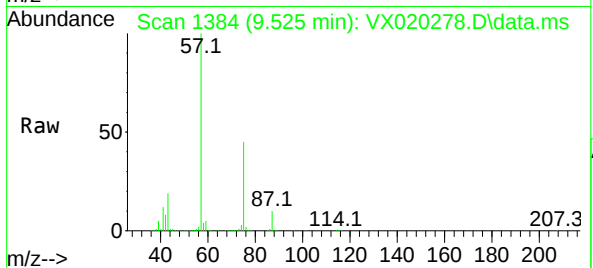




#57
1,3-Dichloropropane
Concen: 5.22 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

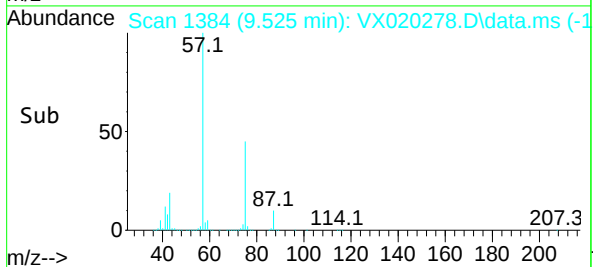
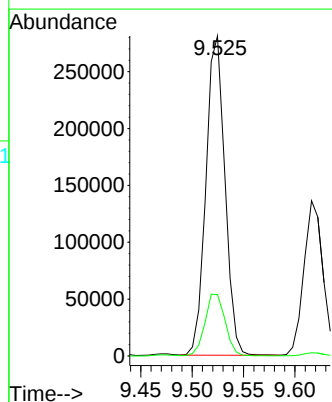
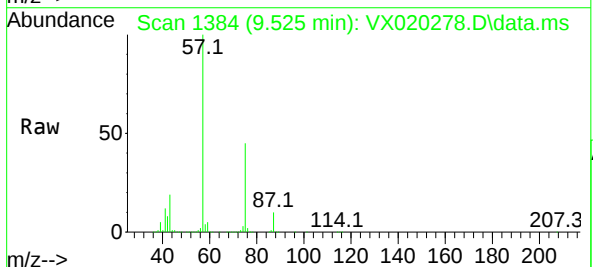
Instrument :
MSVOA_X
ClientSampled :

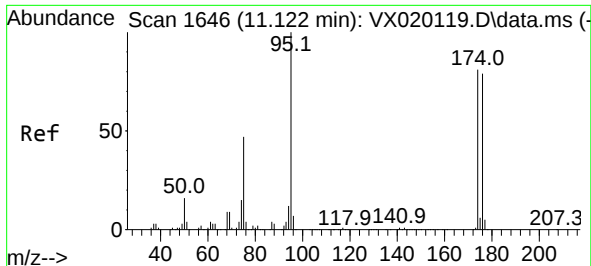
Tgt Ion: 76 Resp: 29842
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.2#



#59
2-Hexanone
Concen: 108.79 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 43 Resp: 360963
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#

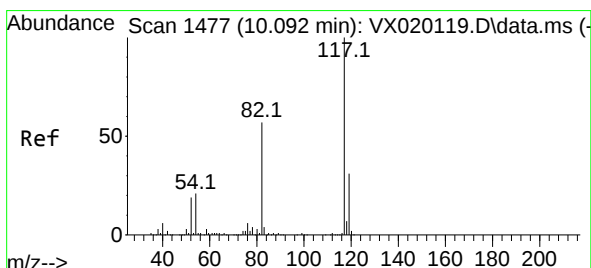
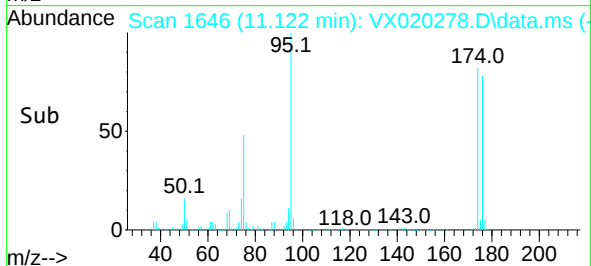
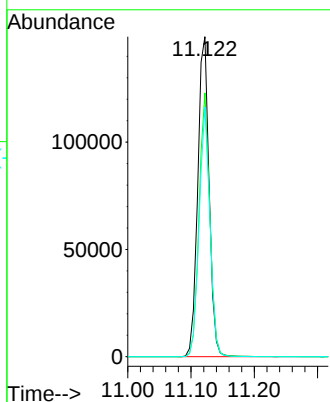
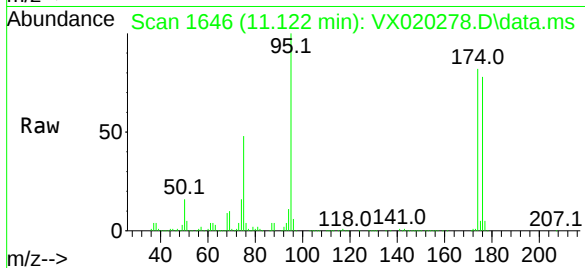




#62
4-Bromofluorobenzene
Concen: 45.53 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

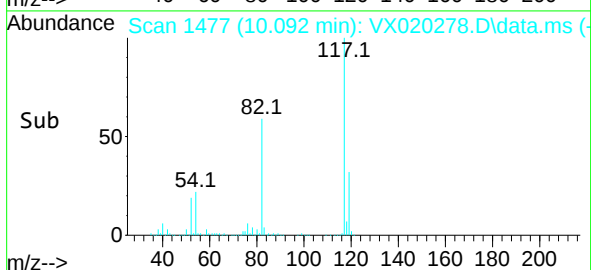
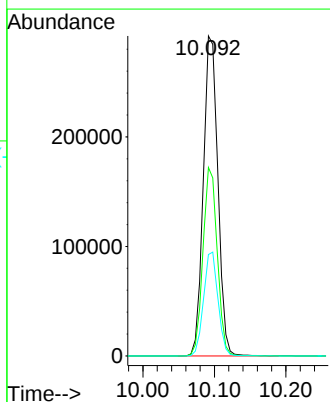
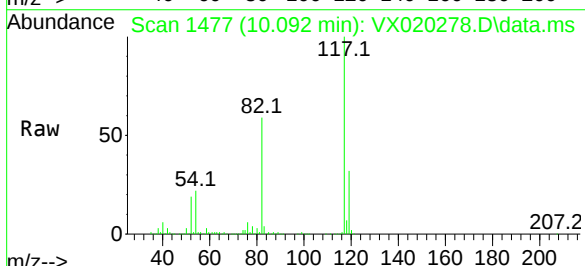
Instrument :
MSVOA_X
ClientSampleId :

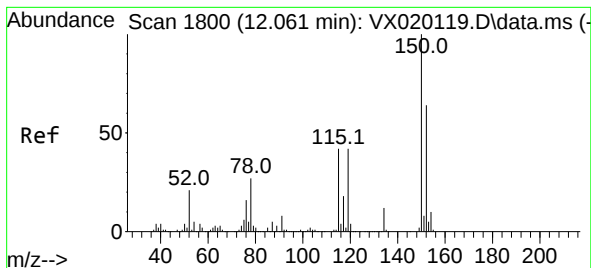
Tgt Ion: 95 Resp: 186106
Ion Ratio Lower Upper
95 100
174 78.4 0.0 154.6
176 74.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 117 Resp: 413715
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.7 26.6 39.8

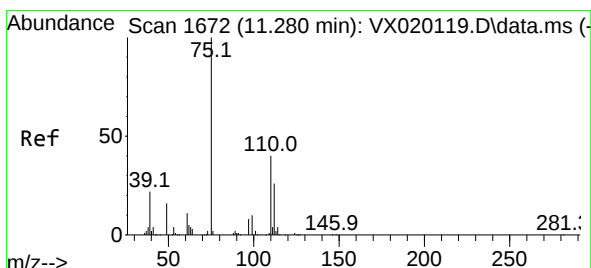
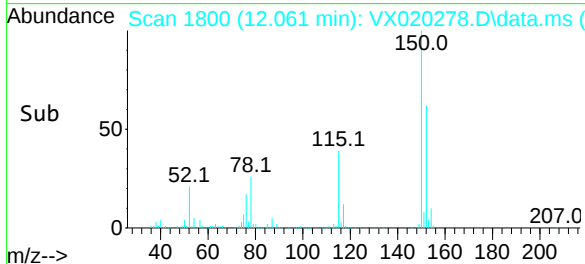
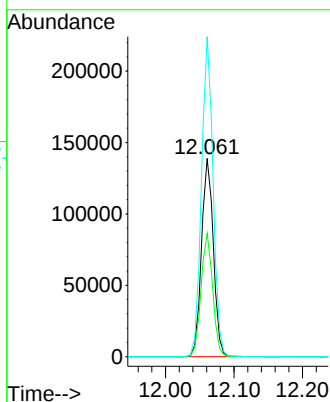
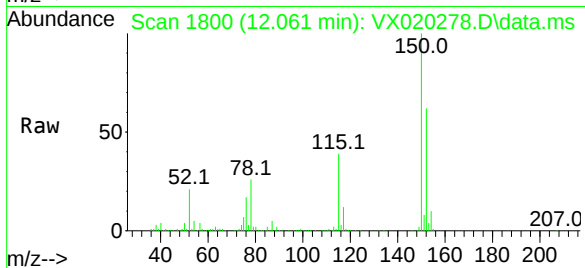




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

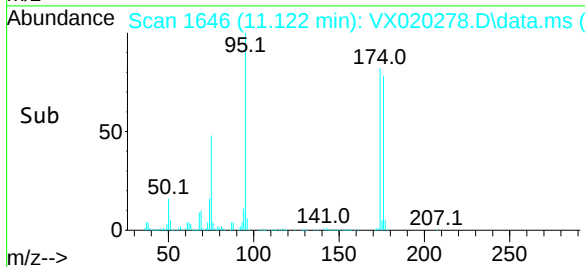
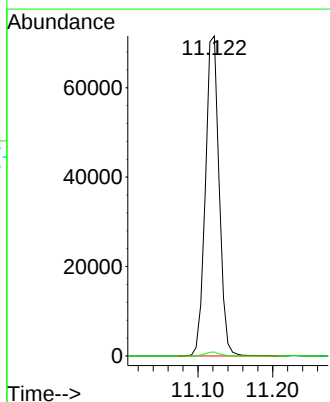
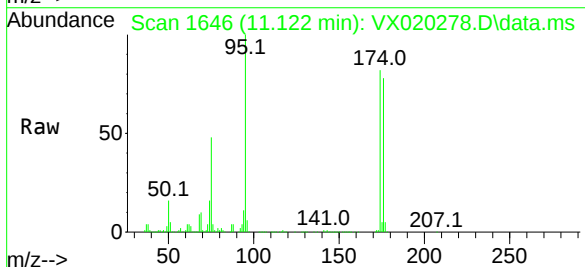
Instrument :
MSVOA_X
ClientSampleId :

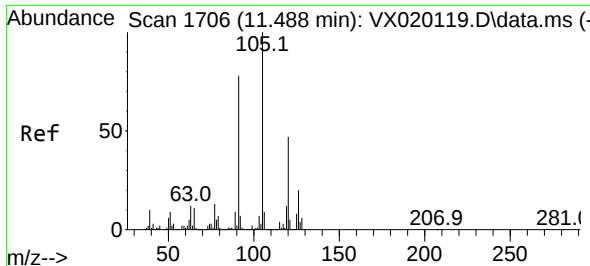
Tgt Ion:152 Resp: 167258
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 157.2 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 22.15 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 75 Resp: 91253
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

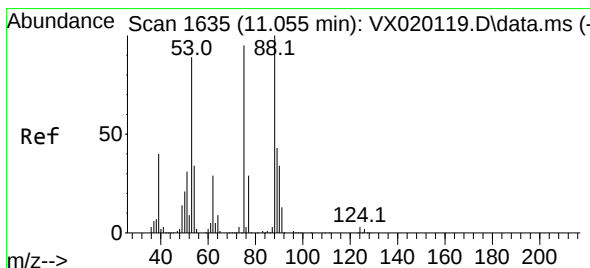
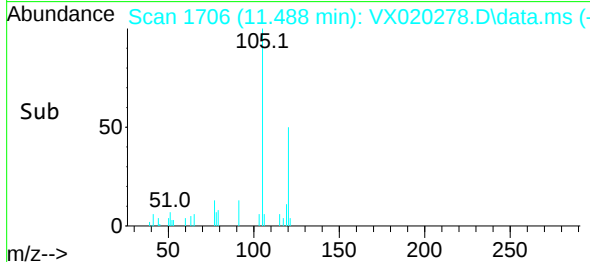
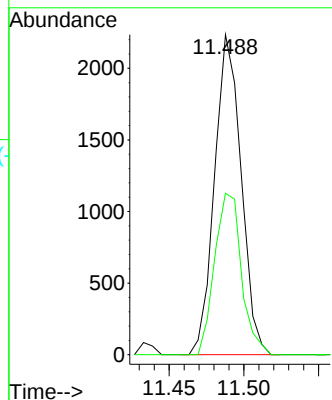
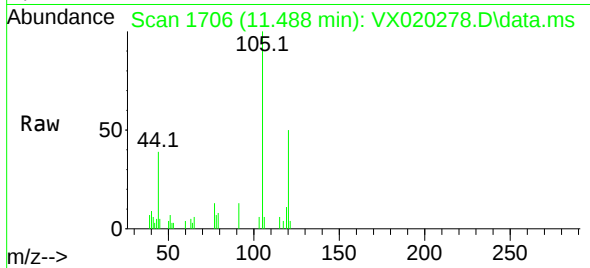




#80
1,3,5-Trimethylbenzene
Concen: 0.27 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 2756
Ion Ratio Lower Upper
105 100
120 51.0 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 65.71 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020278.D
Acq: 22 Dec 2020 02:56

Tgt Ion: 75 Resp: 91253
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

