

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020283.D
 Acq On : 22 Dec 2020 04:53
 Operator : JC/MD
 Sample : PB133709ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 06:56:54 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)

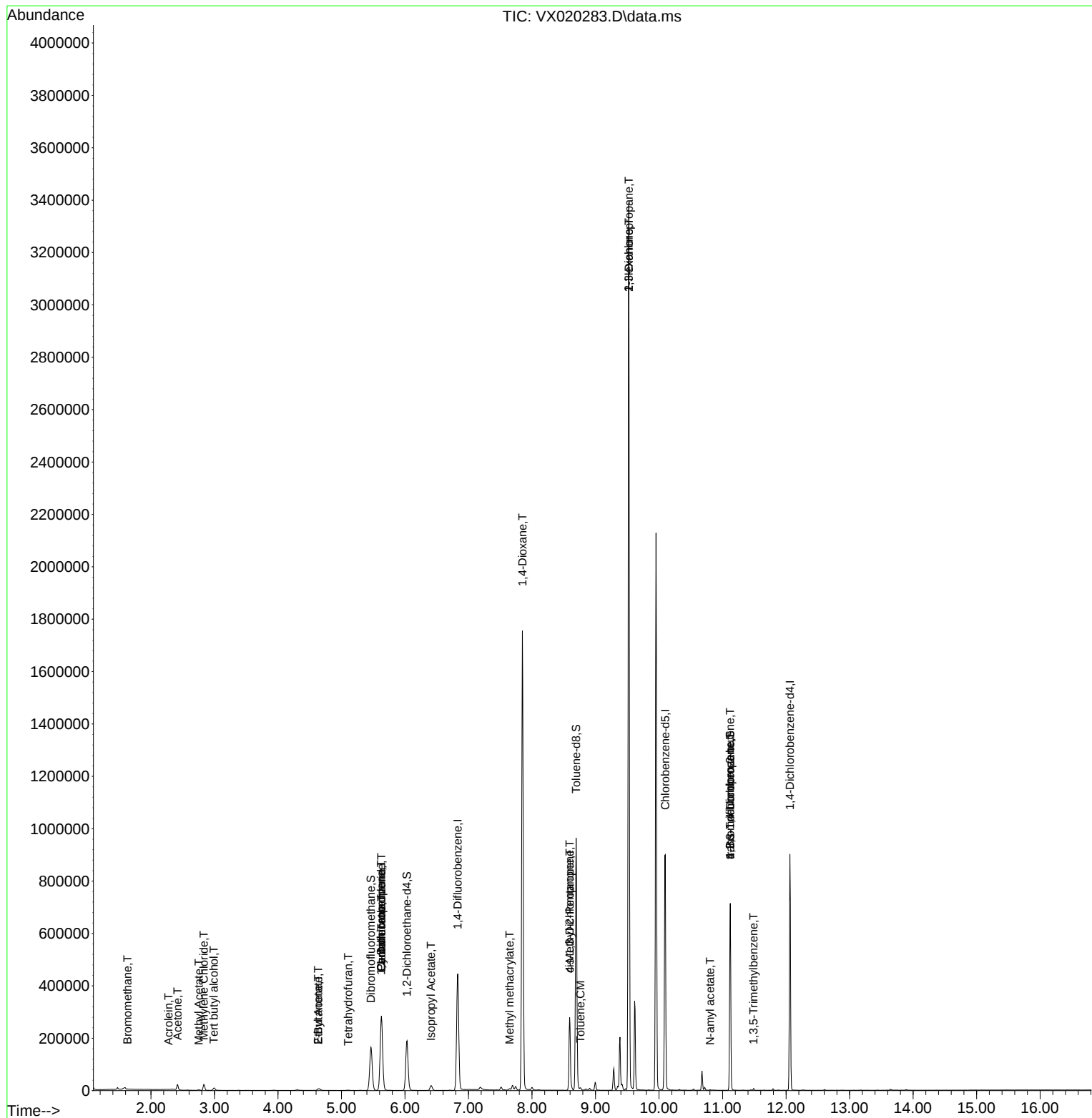
Internal Standards						
1) Pentafluorobenzene	5.629	168	265141	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	449035	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.097	117	425511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.060	152	181944	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	179688	50.56	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.12%			
35) Dibromofluoromethane	5.464	113	144924	50.45	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.90%			
50) Toluene-d8	8.695	98	563483	50.96	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.92%			
62) 4-Bromofluorobenzene	11.122	95	193985	45.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.68%			
Target Compounds					Qvalue	
5) Bromomethane	1.629	94	292	0.25	ug/l #	77
11) Tert butyl alcohol	2.989	59	6236	7.84	ug/l #	73
13) Acrolein	2.276	56	204	0.41	ug/l #	75
16) Acetone	2.416	43	22137	13.66	ug/l	98
18) Methyl Acetate	2.751	43	3088	0.85	ug/l	92
20) Methylene Chloride	2.830	84	10698	2.93	ug/l	97
25) 2-Butanone	4.635	43	9820	4.16	ug/l	95
29) Tetrahydrofuran	5.104	42	1191	0.80	ug/l #	61
31) Cyclohexane	5.629	56	5132	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	20871	4.70	ug/l #	49
37) Ethyl Acetate	4.635	43	9820	2.13	ug/l #	66
38) Carbon Tetrachloride	5.629	117	26280	6.23	ug/l #	16
43) Isopropyl Acetate	6.409	43	24728	3.40	ug/l	98
48) Methyl methacrylate	7.647	41	7287	2.04	ug/l #	10
49) 1,4-Dioxane	7.848	88	277	3.32	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	89191	19.79	ug/l #	47
52) Toluene	8.762	92	2178	0.26	ug/l	98
54) cis-1,3-Dichloropropene	8.592	75	45832	8.34	ug/l #	61
57) 1,3-Dichloropropane	9.524	76	29361	4.96	ug/l #	43
59) 2-Hexanone	9.524	43	364039	105.98	ug/l #	46
74) N-amyl acetate	10.805	43	1142	0.22	ug/l #	47
76) 1,2,3-Trichloropropane	11.122	75	94479	21.08	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.487	105	2955	0.27	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.122	75	94479	62.54	ug/l #	12

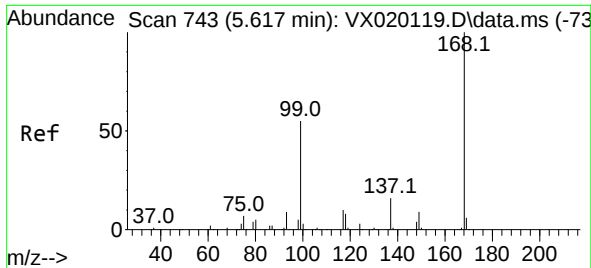
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 22 06:56:54 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

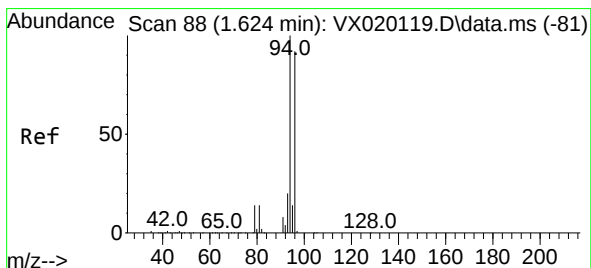
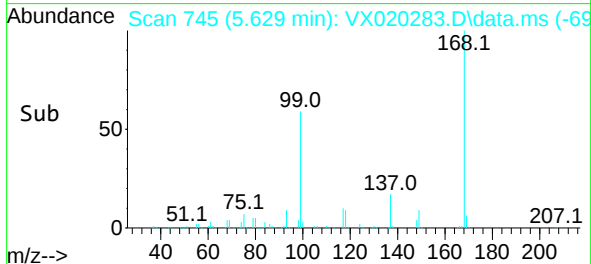
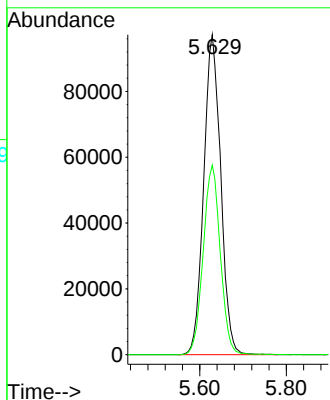
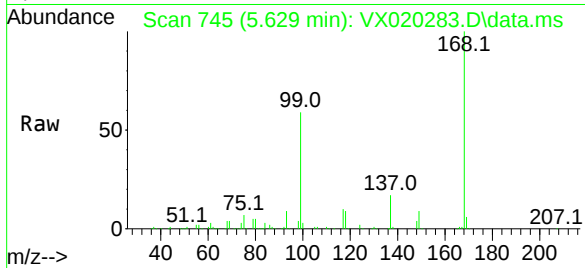




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

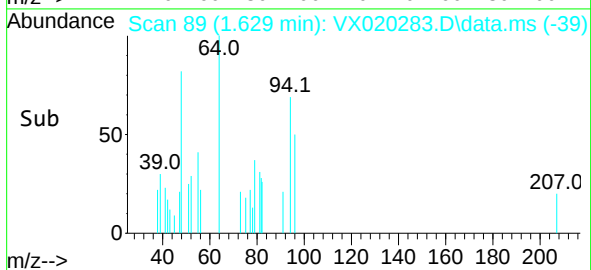
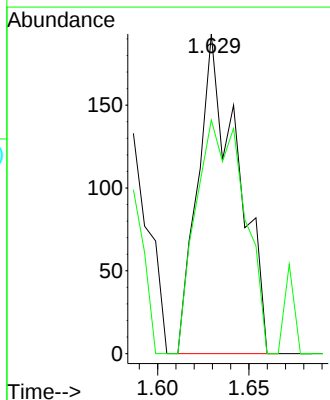
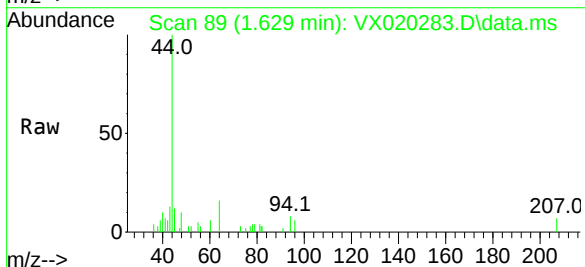
Instrument :
MSVOA_X
ClientSampled :

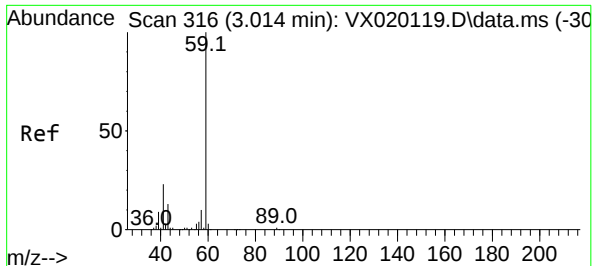
Tgt Ion:168 Resp: 265141
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.6



#5
Bromomethane
Concen: 0.25 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.005 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 94 Resp: 292
Ion Ratio Lower Upper
94 100
96 73.1 76.4 114.6#



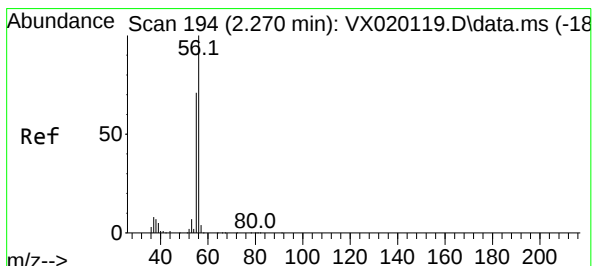
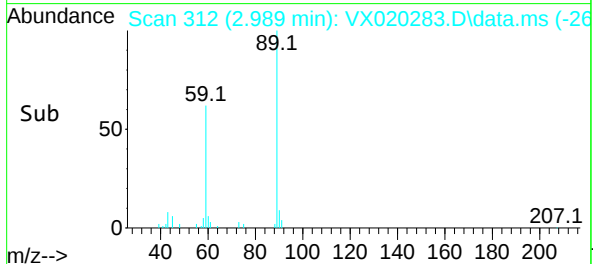
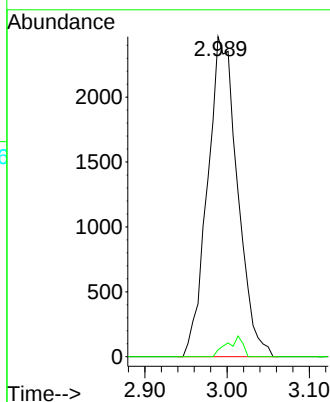
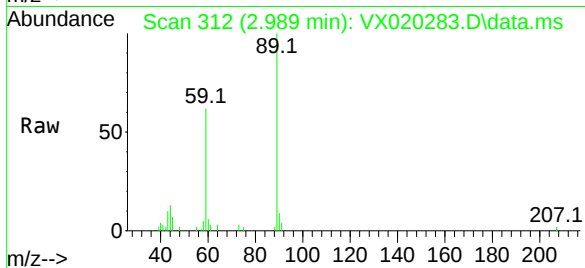


#11

Tert butyl alcohol
Concen: 7.84 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Instrument :
MSVOA_X
ClientSampled :

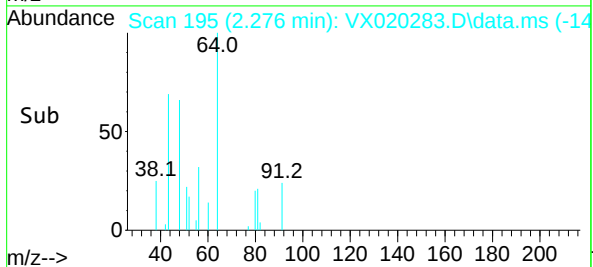
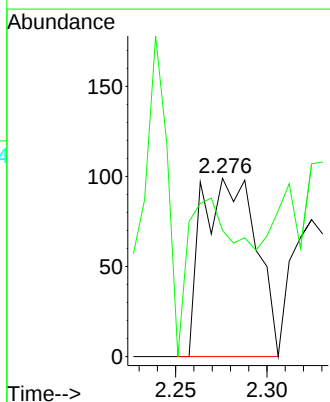
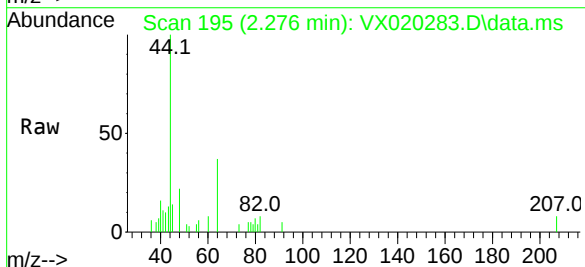
Tgt Ion: 59 Resp: 6236
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

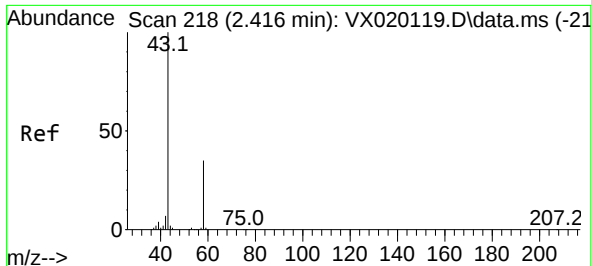


#13

Acrolein
Concen: 0.41 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 90.7 56.4 84.6#

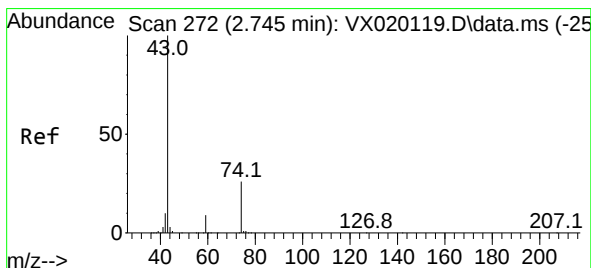
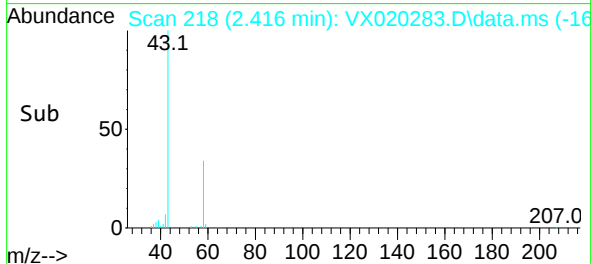
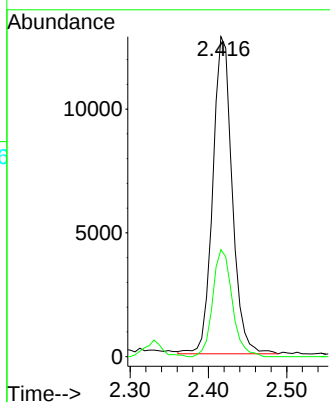
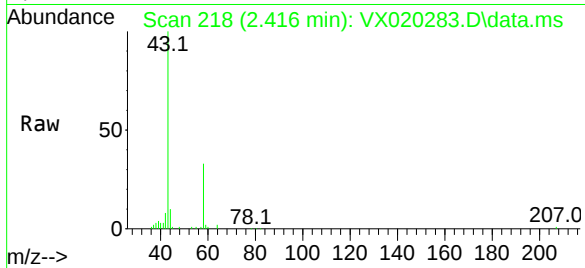




#16
Acetone
Concen: 13.66 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

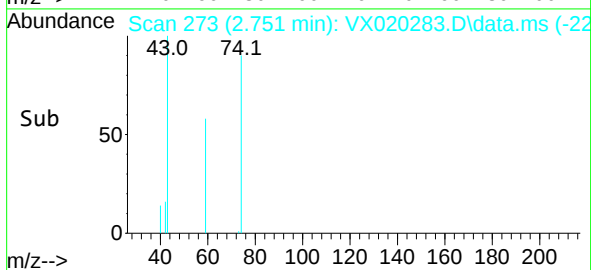
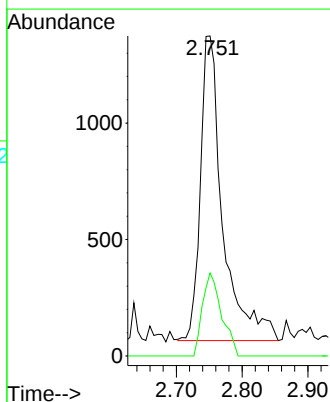
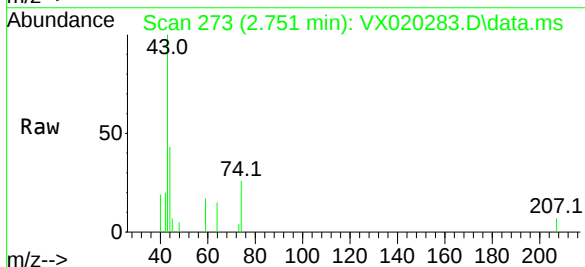
Instrument :
MSVOA_X
ClientSampled :

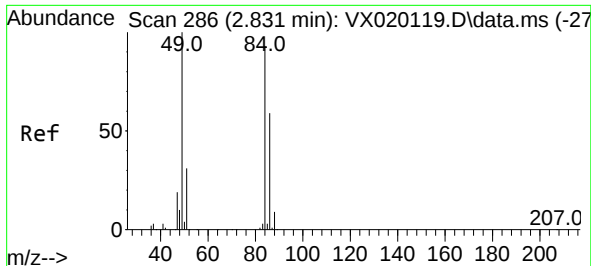
Tgt Ion: 43 Resp: 22137
Ion Ratio Lower Upper
43 100
58 33.8 27.8 41.8



#18
Methyl Acetate
Concen: 0.85 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

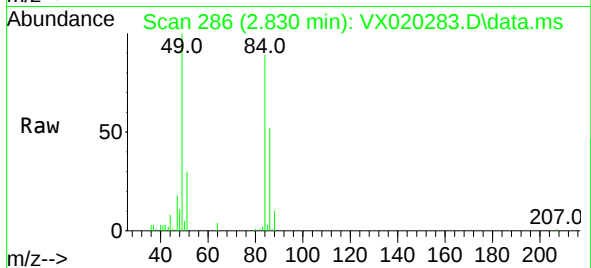
Tgt Ion: 43 Resp: 3088
Ion Ratio Lower Upper
43 100
74 23.3 21.9 32.9





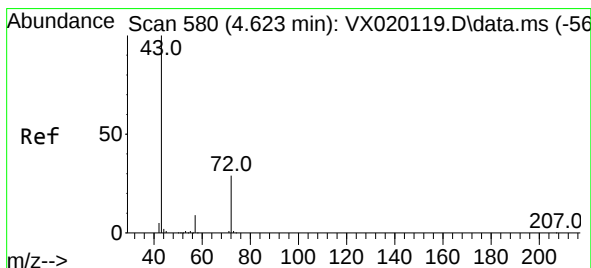
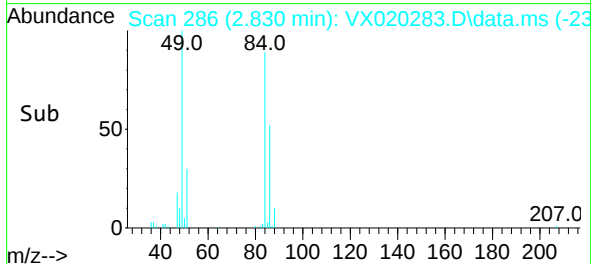
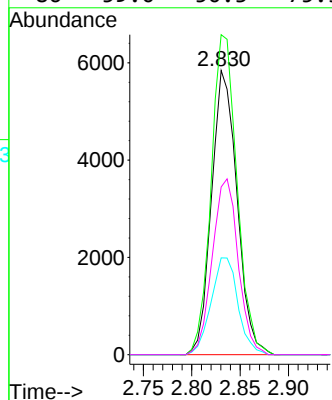
#20
Methylene Chloride
Concen: 2.93 ug/l
RT: 2.830 min Scan# 286
Delta R.T. -0.001 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 10698

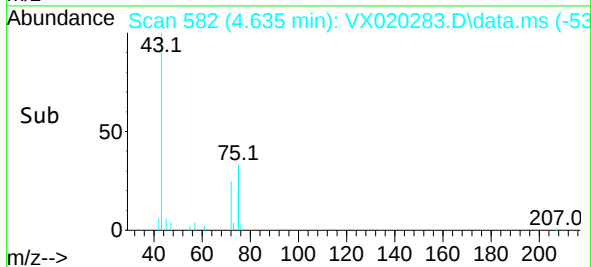
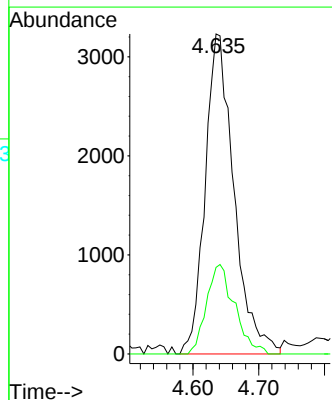
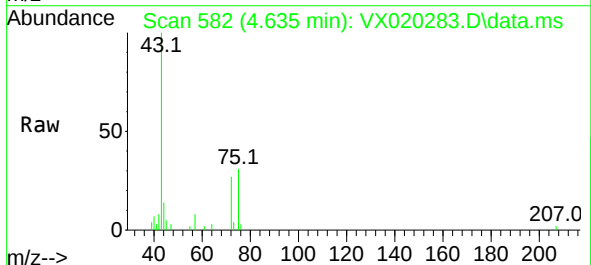
Ion	Ratio	Lower	Upper
84	100		
49	112.6	88.6	132.8
51	34.1	27.0	40.6
86	59.0	50.3	75.5

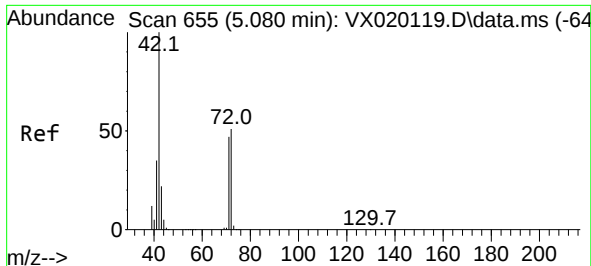


#25
2-Butanone
Concen: 4.16 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 43 Resp: 9820

Ion	Ratio	Lower	Upper
43	100		
72	27.1	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.80 ug/l

RT: 5.104 min Scan# 659

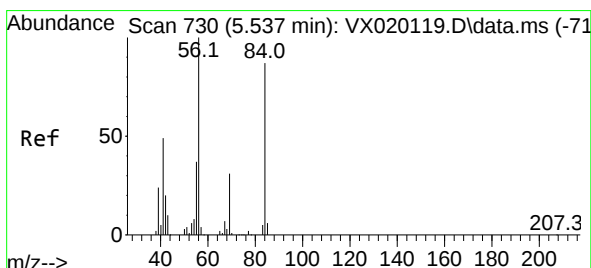
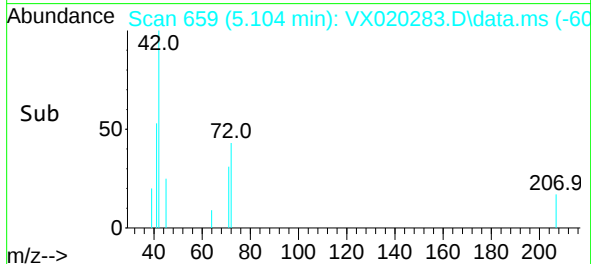
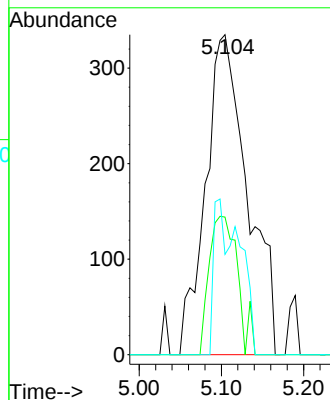
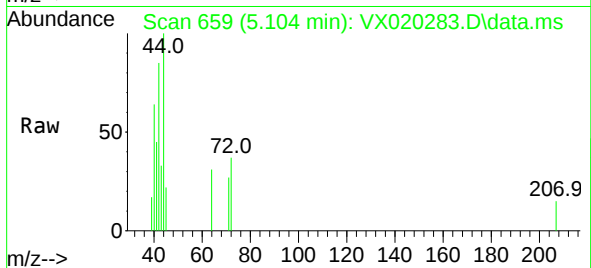
Delta R.T. 0.024 min

Lab File: VX020283.D

Acq: 22 Dec 2020 04:53

Tgt Ion:	42	Resp:	1191
Ion	Ratio	Lower	Upper
42	100		
72	29.2	41.7	62.5#
71	16.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.05 ug/l

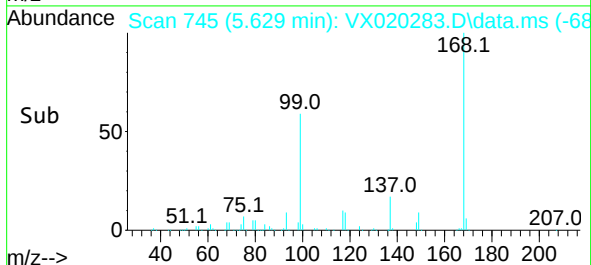
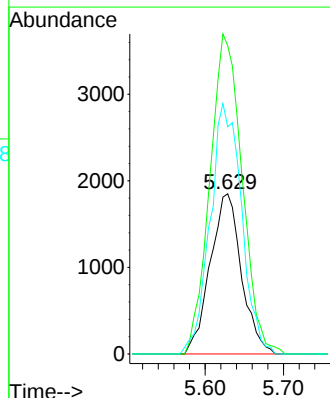
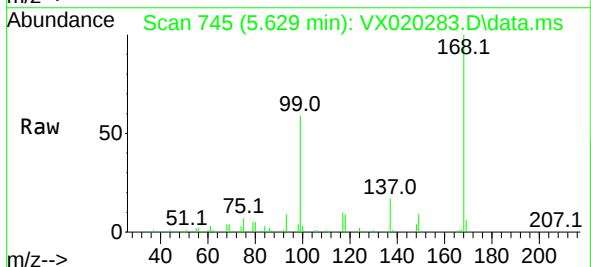
RT: 5.629 min Scan# 745

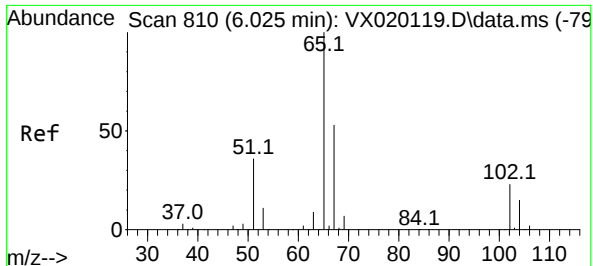
Delta R.T. 0.092 min

Lab File: VX020283.D

Acq: 22 Dec 2020 04:53

Tgt Ion:	56	Resp:	5132
Ion	Ratio	Lower	Upper
56	100		
69	192.4	25.3	37.9#
84	141.8	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.56 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020283.D

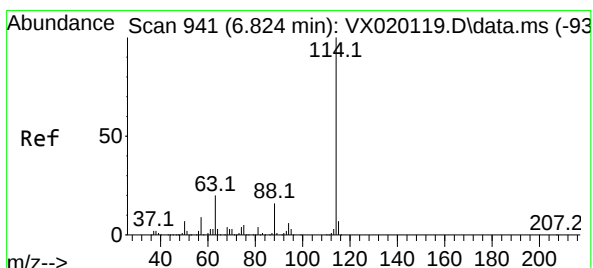
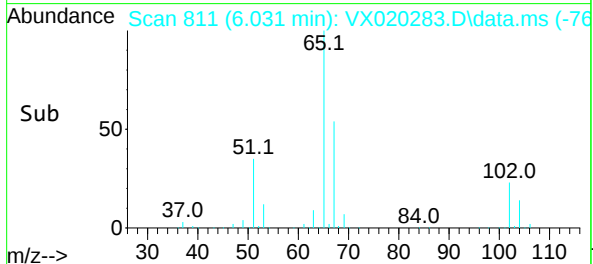
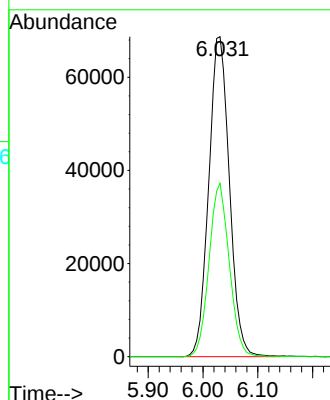
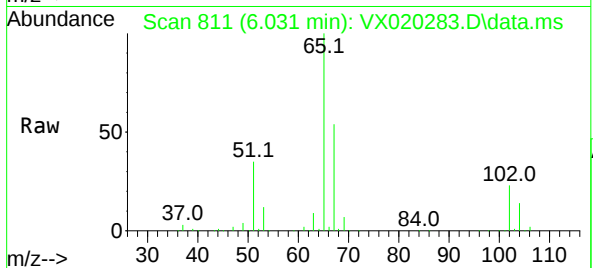
Acq: 22 Dec 2020 04:53

Tgt Ion: 65 Resp: 179688

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: VX020283.D

Acq: 22 Dec 2020 04:53

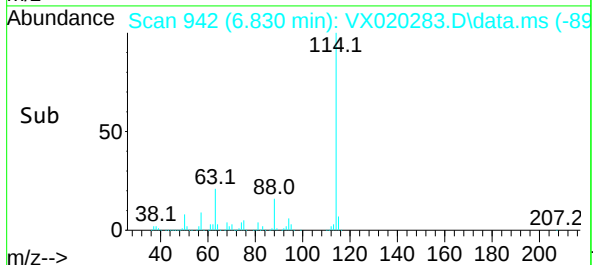
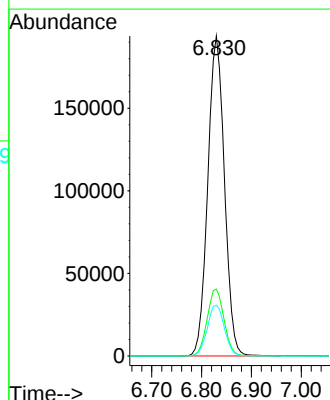
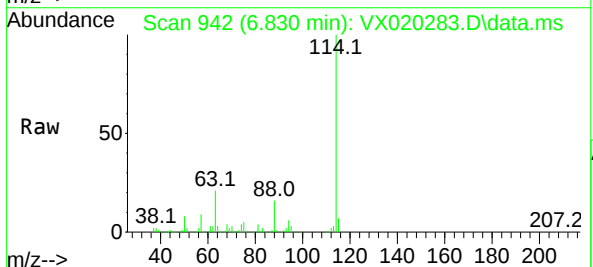
Tgt Ion: 114 Resp: 449035

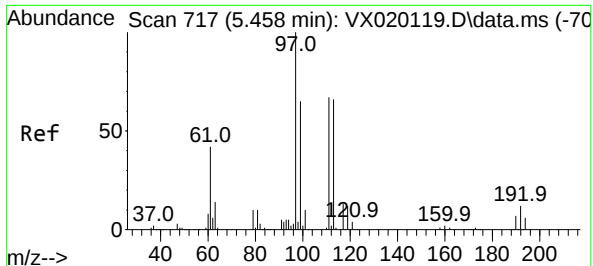
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 15.9 0.0 32.8

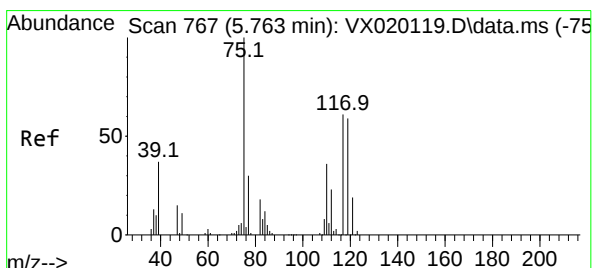
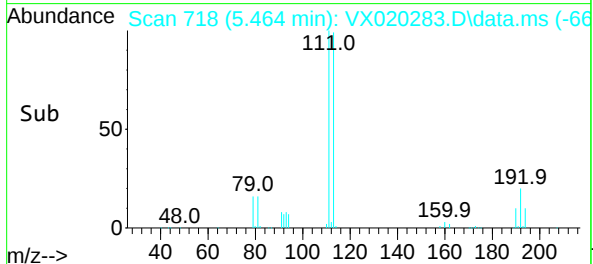
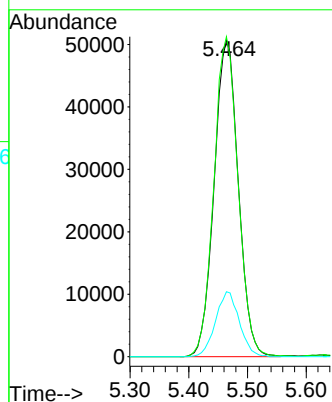
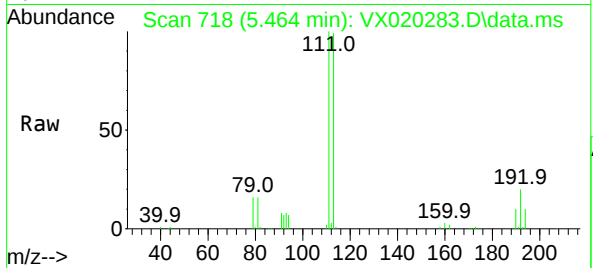




#35
Dibromofluoromethane
Concen: 50.45 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

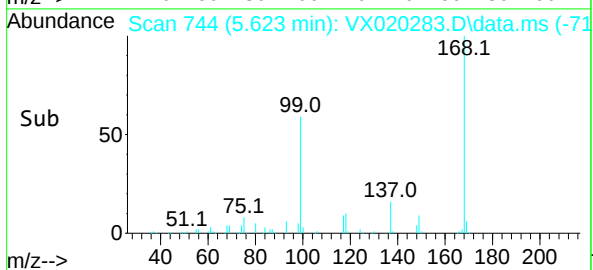
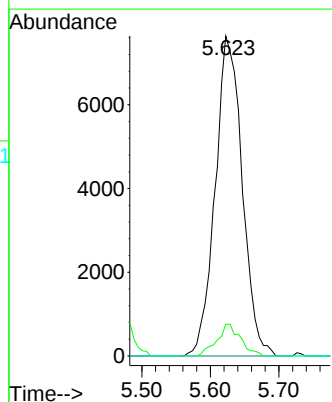
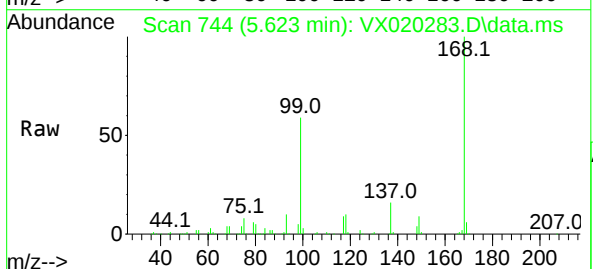
Instrument :
MSVOA_X
ClientSampled :

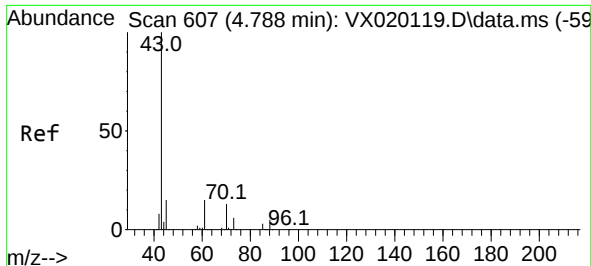
Tgt Ion:113 Resp: 144924
Ion Ratio Lower Upper
113 100
111 101.1 81.9 122.9
192 20.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 75 Resp: 20871
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.13 ug/l

RT: 4.635 min Scan# 582

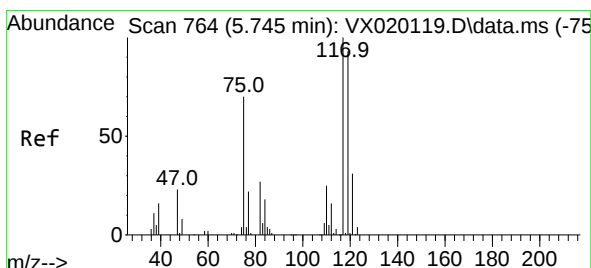
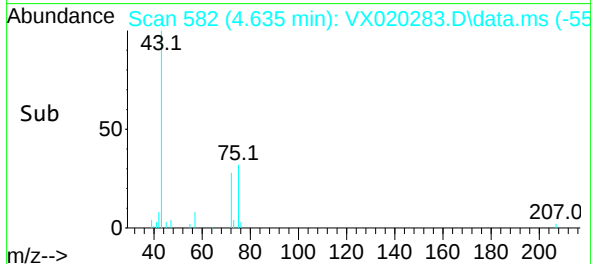
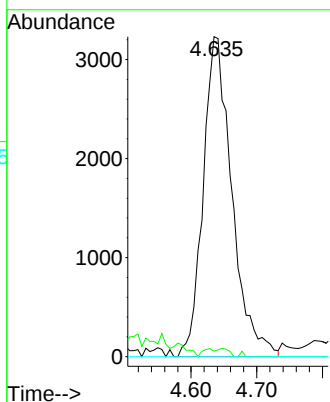
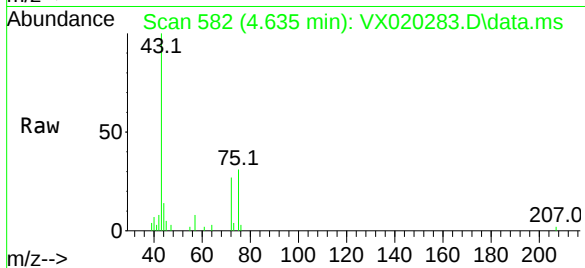
Delta R.T. -0.153 min

Lab File: VX020283.D

Acq: 22 Dec 2020 04:53

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43	Resp: 9820
Ion Ratio	Lower Upper
43 100	
61 1.0	12.8 19.2#
70 0.0	10.5 15.7#



#38

Carbon Tetrachloride

Concen: 6.23 ug/l

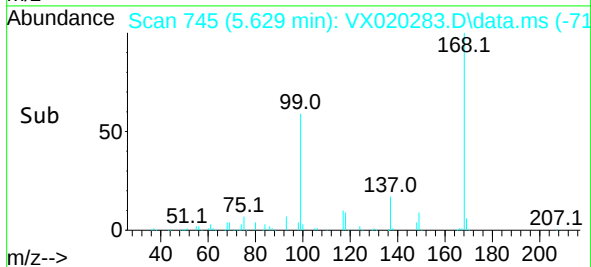
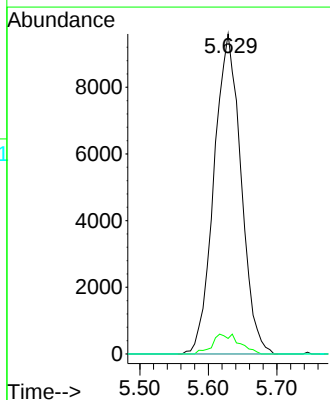
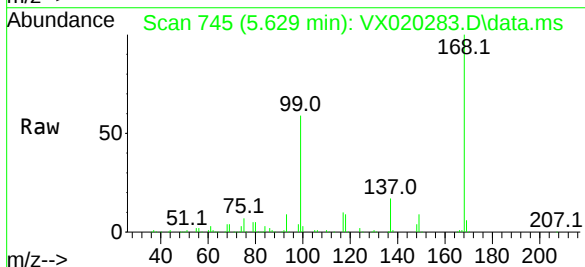
RT: 5.629 min Scan# 745

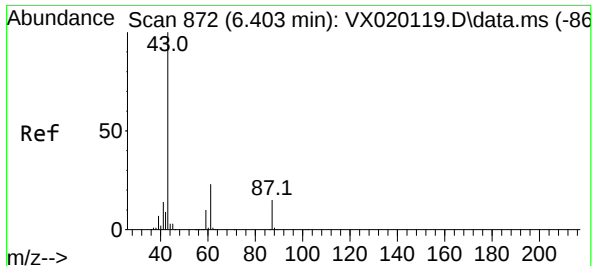
Delta R.T. -0.116 min

Lab File: VX020283.D

Acq: 22 Dec 2020 04:53

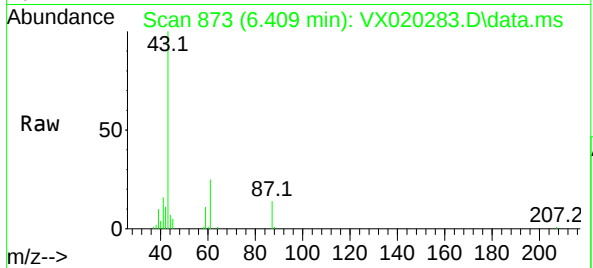
Tgt Ion: 117	Resp: 26280
Ion Ratio	Lower Upper
117 100	
119 4.9	76.2 114.2#
121 0.0	24.8 37.2#



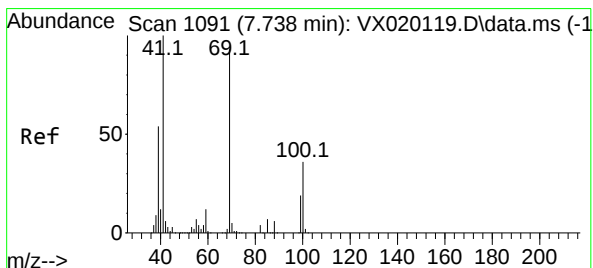
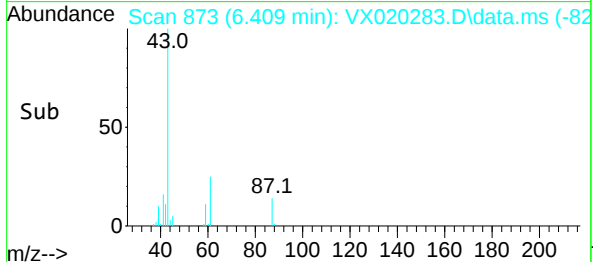
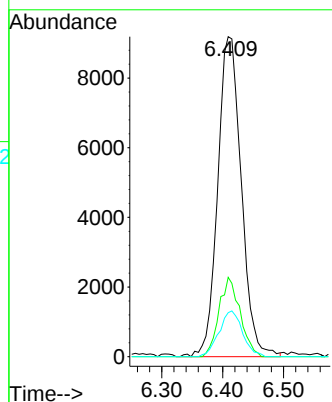


#43
Isopropyl Acetate
Concen: 3.40 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Instrument :
MSVOA_X
ClientSampled :

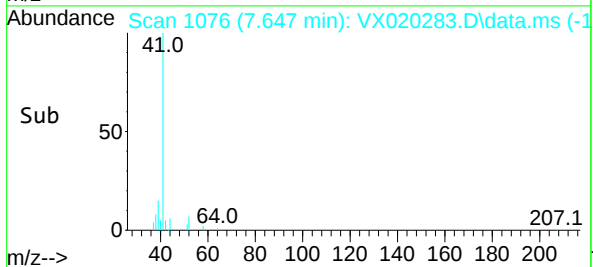
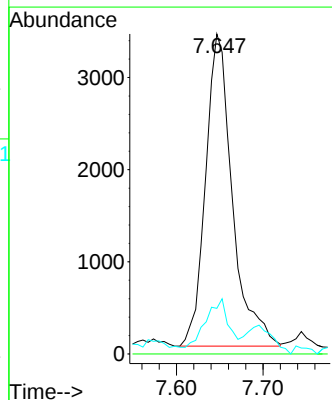
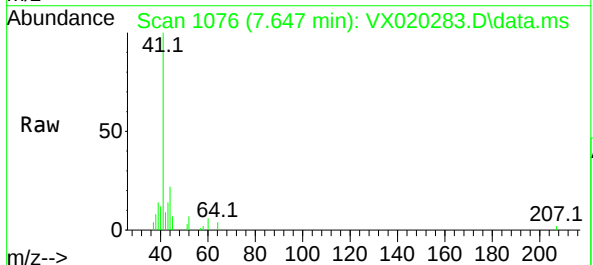


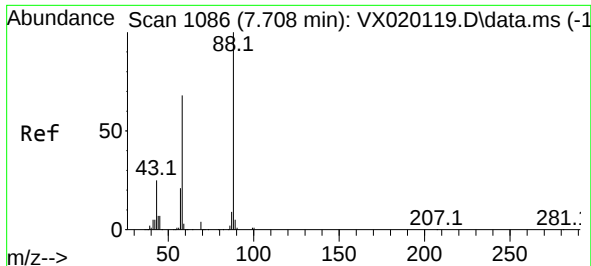
Tgt Ion: 43 Resp: 24728
Ion Ratio Lower Upper
43 100
61 22.2 18.2 27.4
87 14.2 12.5 18.7



#48
Methyl methacrylate
Concen: 2.04 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 41 Resp: 7287
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

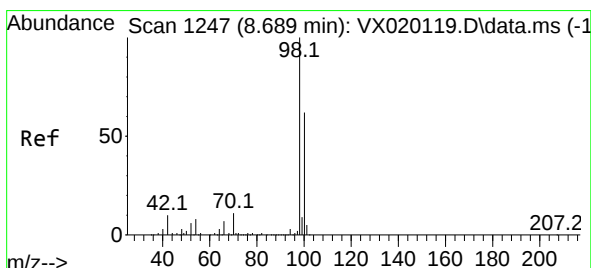
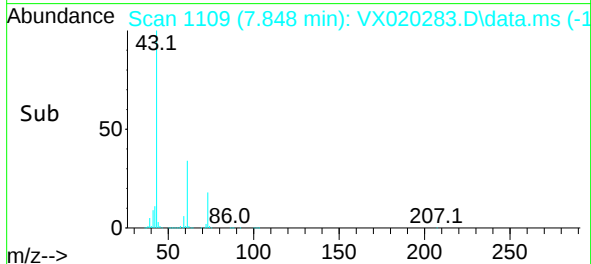
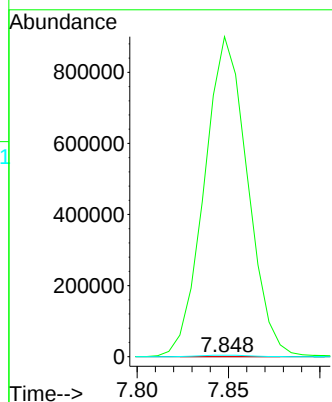
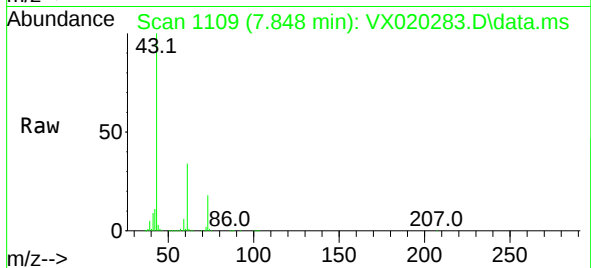




#49
1,4-Dioxane
Concen: 3.32 ug/l
RT: 7.848 min Scan# 1109
Delta R.T. 0.140 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

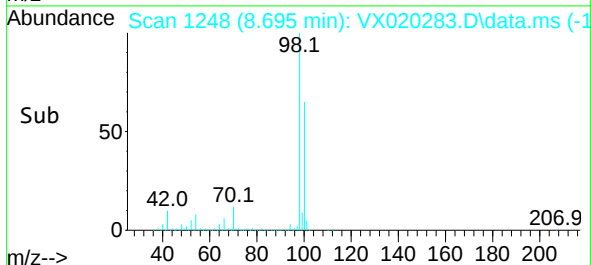
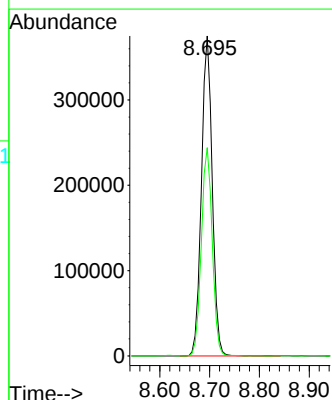
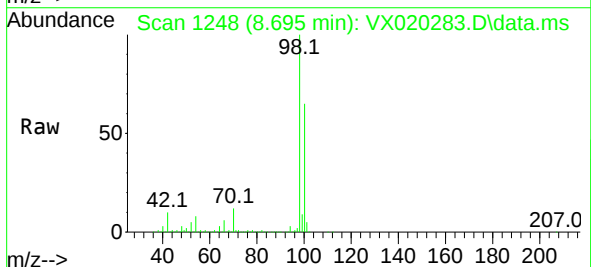
Instrument :
MSVOA_X
ClientSampled :

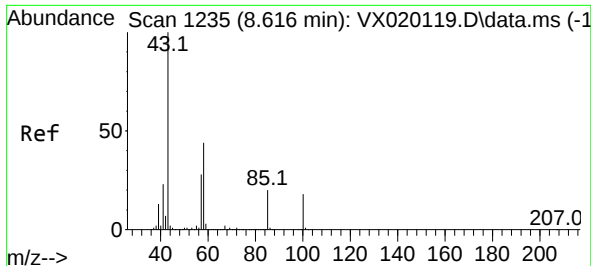
Tgt Ion: 88 Resp: 277
Ion Ratio Lower Upper
88 100
43 538567.1 23.2 34.8#
58 2985.2 55.0 82.4#



#50
Toluene-d8
Concen: 50.96 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 98 Resp: 563483
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9

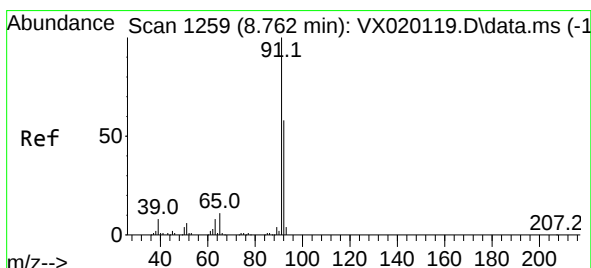
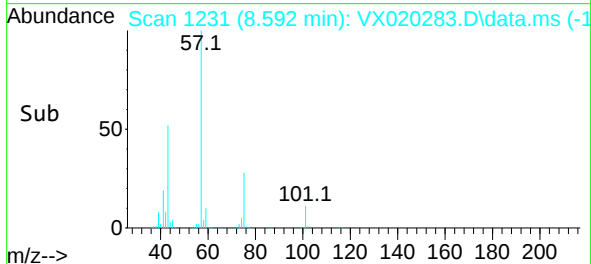
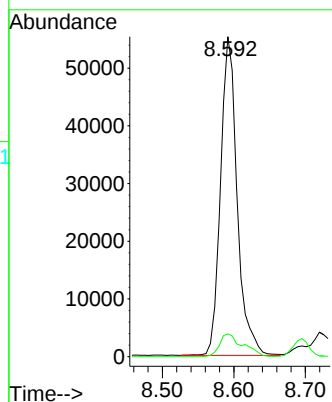
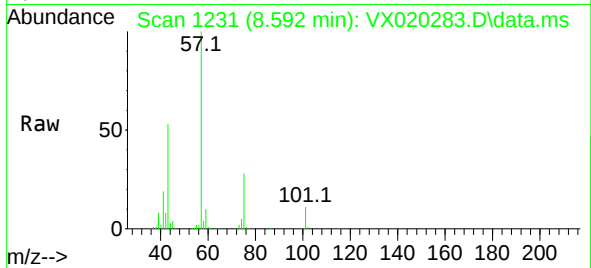




#51
4-Methyl-2-Pentanone
Concen: 19.79 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

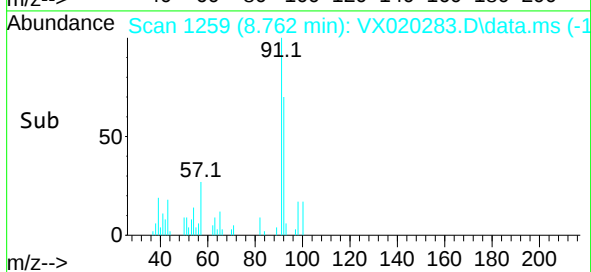
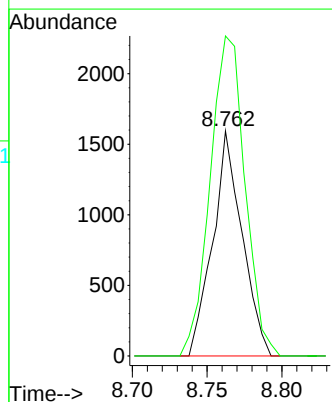
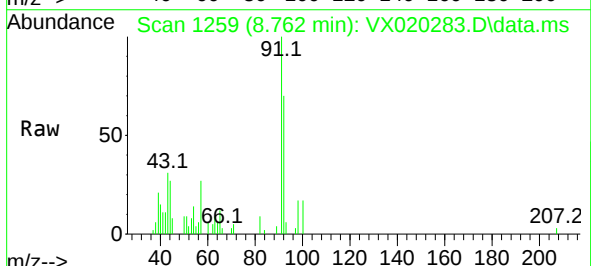
Instrument :
MSVOA_X
ClientSampled :

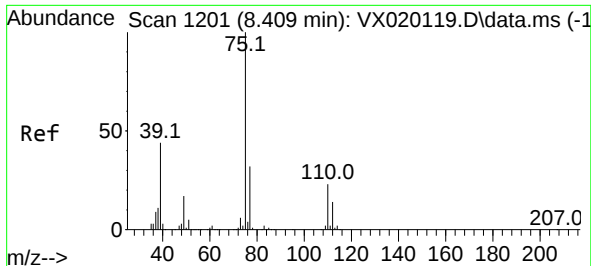
Tgt Ion: 43 Resp: 89191
Ion Ratio Lower Upper
43 100
58 10.1 35.4 53.0#



#52
Toluene
Concen: 0.26 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 92 Resp: 2178
Ion Ratio Lower Upper
92 100
91 168.8 137.1 205.7

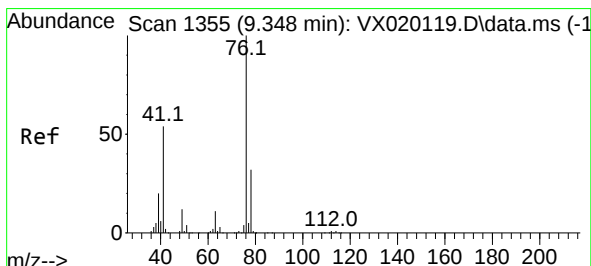
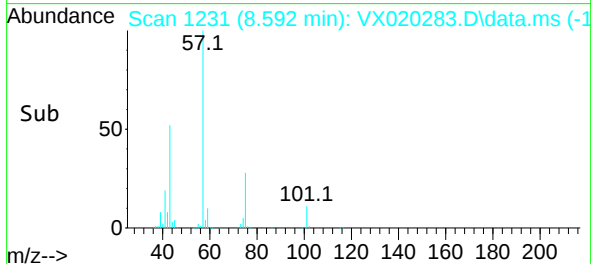
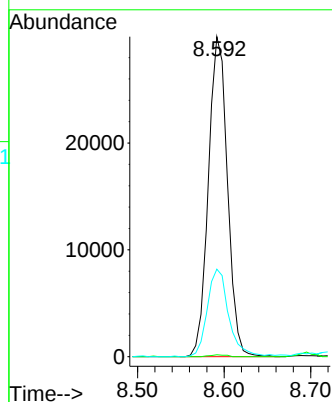
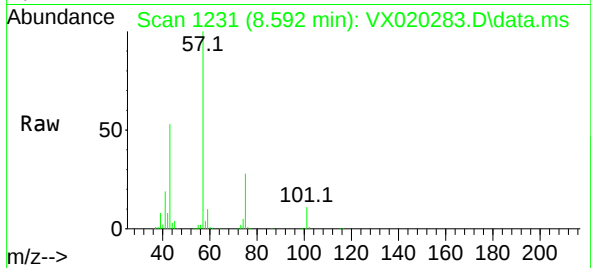




#54
cis-1,3-Dichloropropene
Concen: 8.34 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

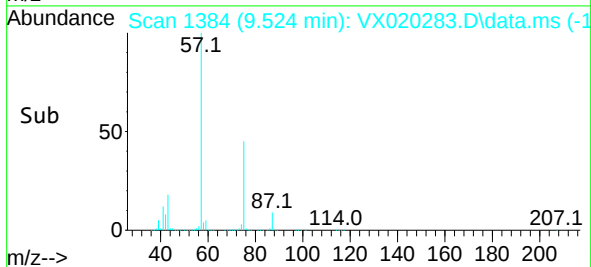
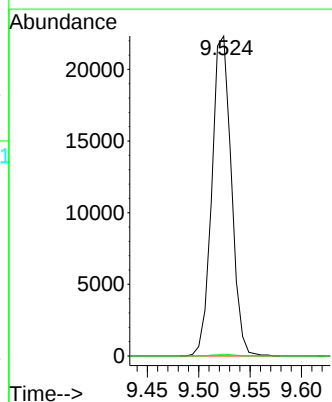
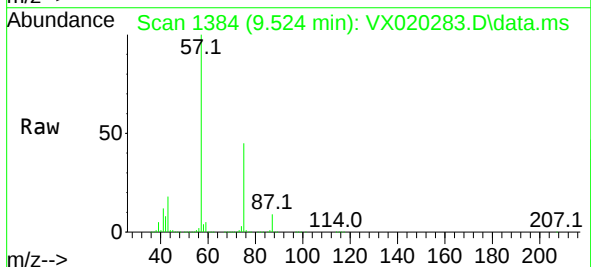
Instrument :
MSVOA_X
ClientSampled :

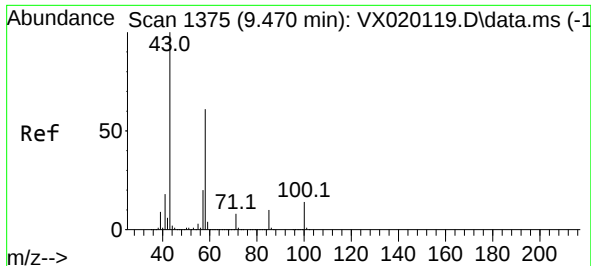
Tgt Ion: 75 Resp: 45832
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 27.3 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 4.96 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.176 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 76 Resp: 29361
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

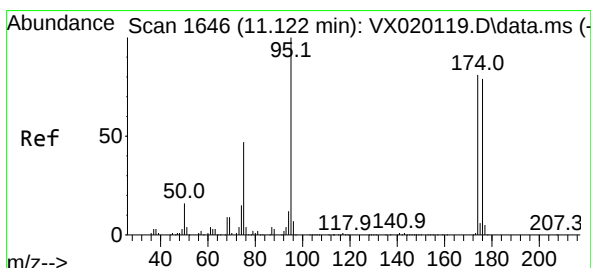
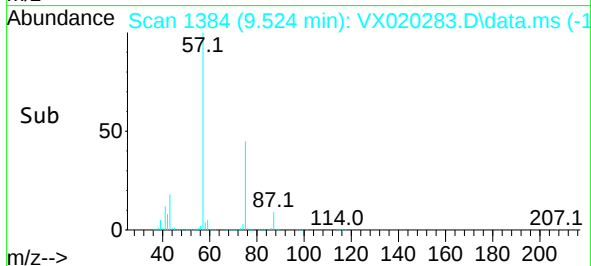
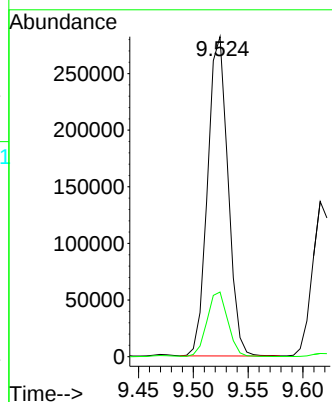
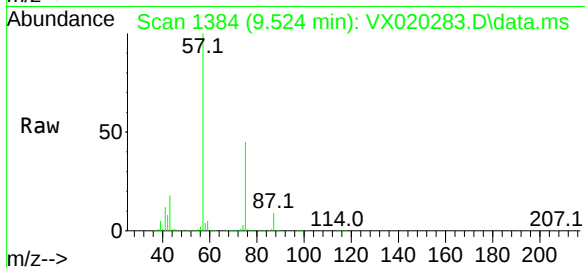




#59
2-Hexanone
Concen: 105.98 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.054 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

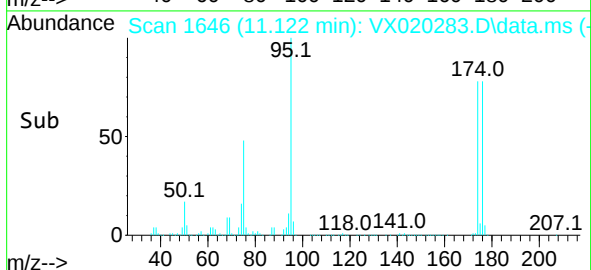
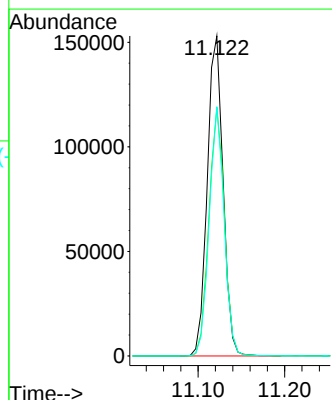
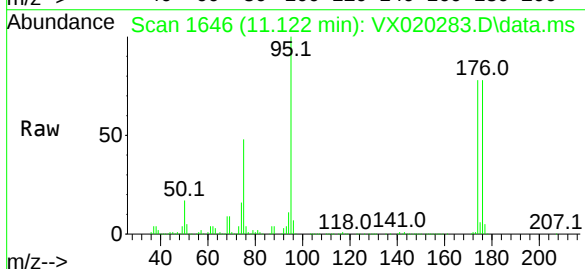
Instrument :
MSVOA_X
ClientSampled :

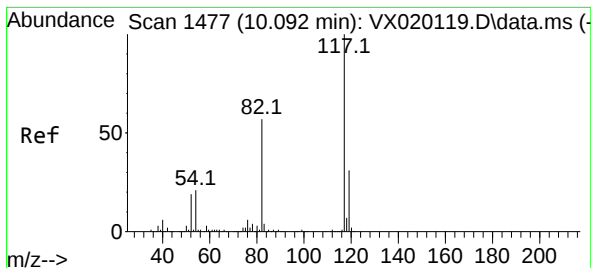
Tgt Ion: 43 Resp: 364039
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.84 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 95 Resp: 193985
Ion Ratio Lower Upper
95 100
174 76.5 0.0 154.6
176 73.3 0.0 155.8

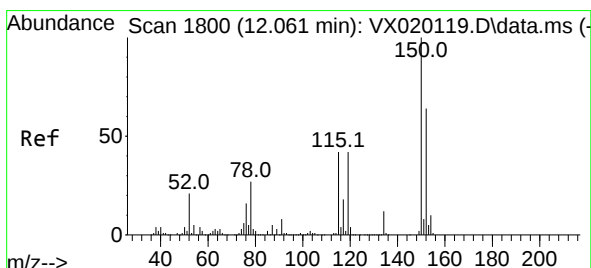
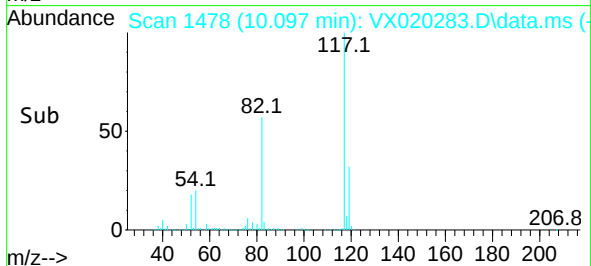
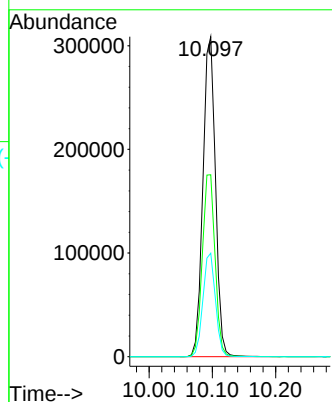
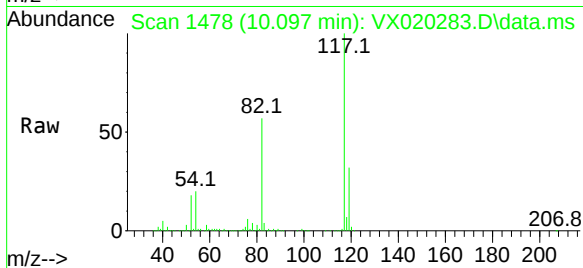




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.097 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

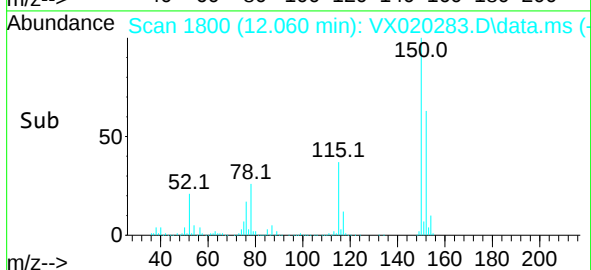
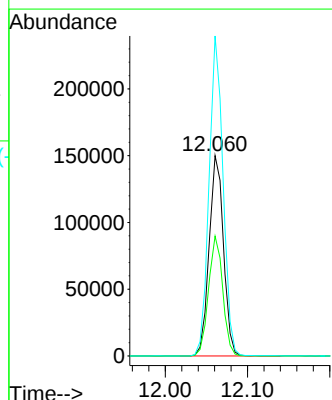
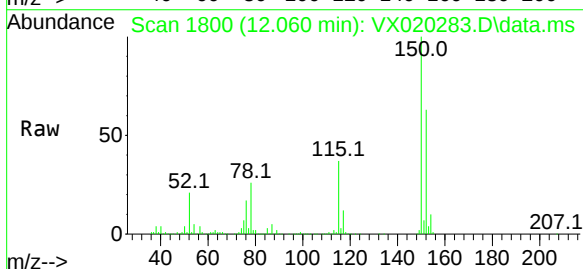
Instrument :
MSVOA_X
ClientSampleId :

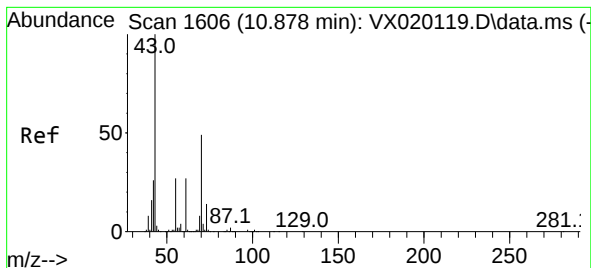
Tgt Ion:117 Resp: 425511
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.060 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion:152 Resp: 181944
Ion Ratio Lower Upper
152 100
115 59.2 41.1 123.3
150 155.8 0.0 349.0

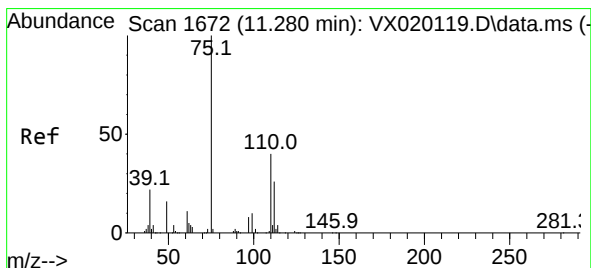
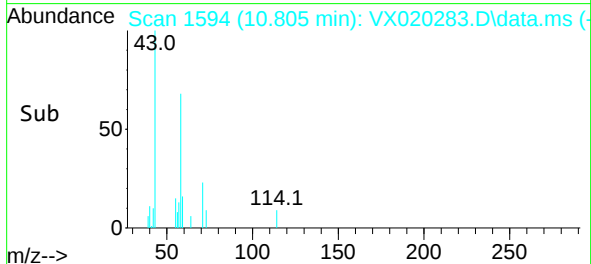
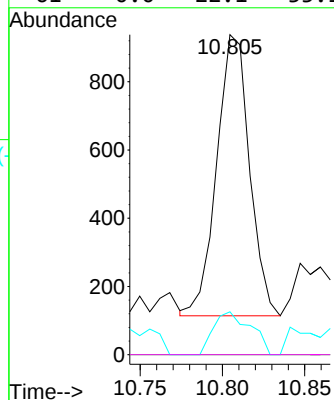
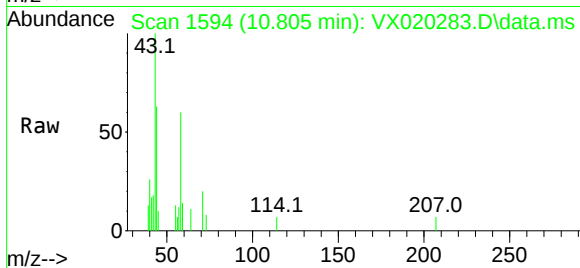




#74
N-amy1 acetate
Concen: 0.22 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

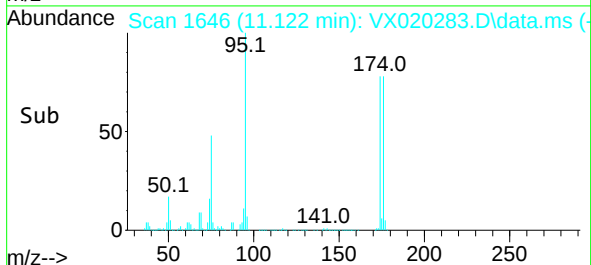
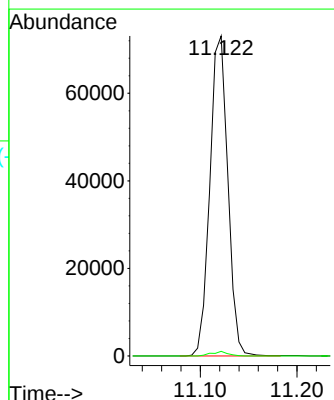
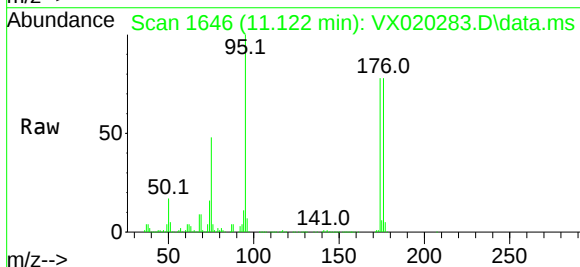
Instrument :
MSVOA_X
ClientSampleId :

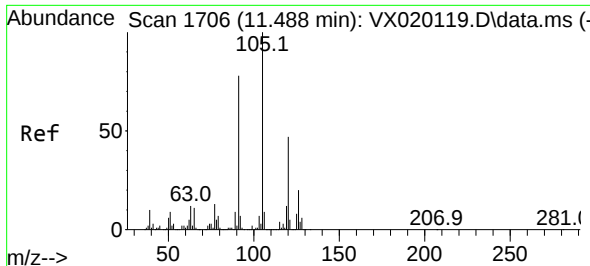
Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 17.4 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.08 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 75 Resp: 94479
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

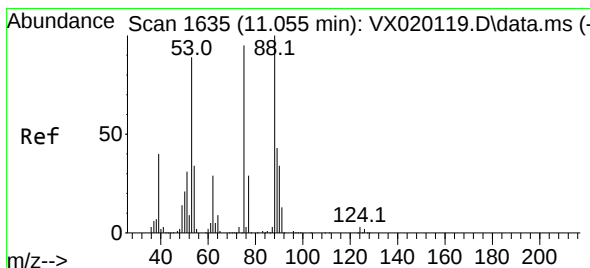
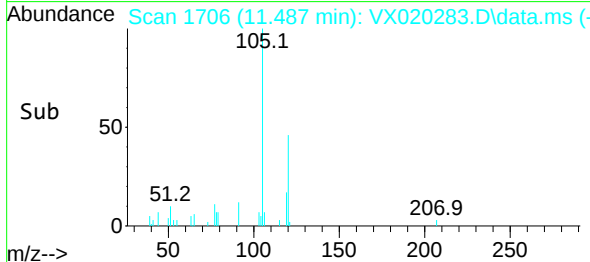
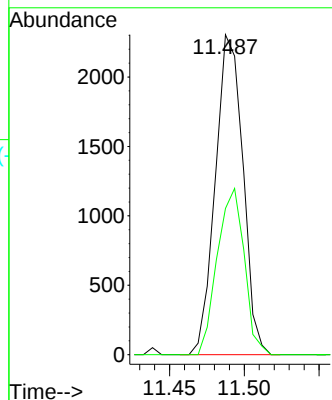
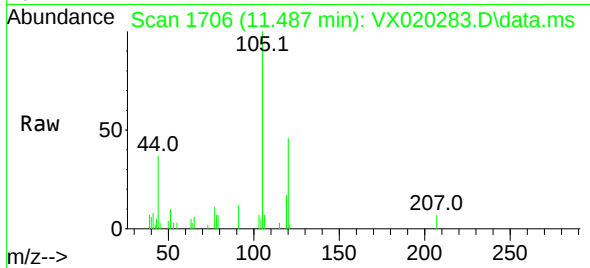




#80
1,3,5-Trimethylbenzene
Concen: 0.27 ug/l
RT: 11.487 min Scan# 1706
Delta R.T. -0.001 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 2955
Ion Ratio Lower Upper
105 100
120 50.7 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 62.54 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020283.D
Acq: 22 Dec 2020 04:53

Tgt Ion: 75 Resp: 94479
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

