

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012621\
 Data File : VX020748.D
 Acq On : 26 Jan 2021 13:10
 Operator : JC/SP
 Sample : M1189-06 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 26 14:40:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

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

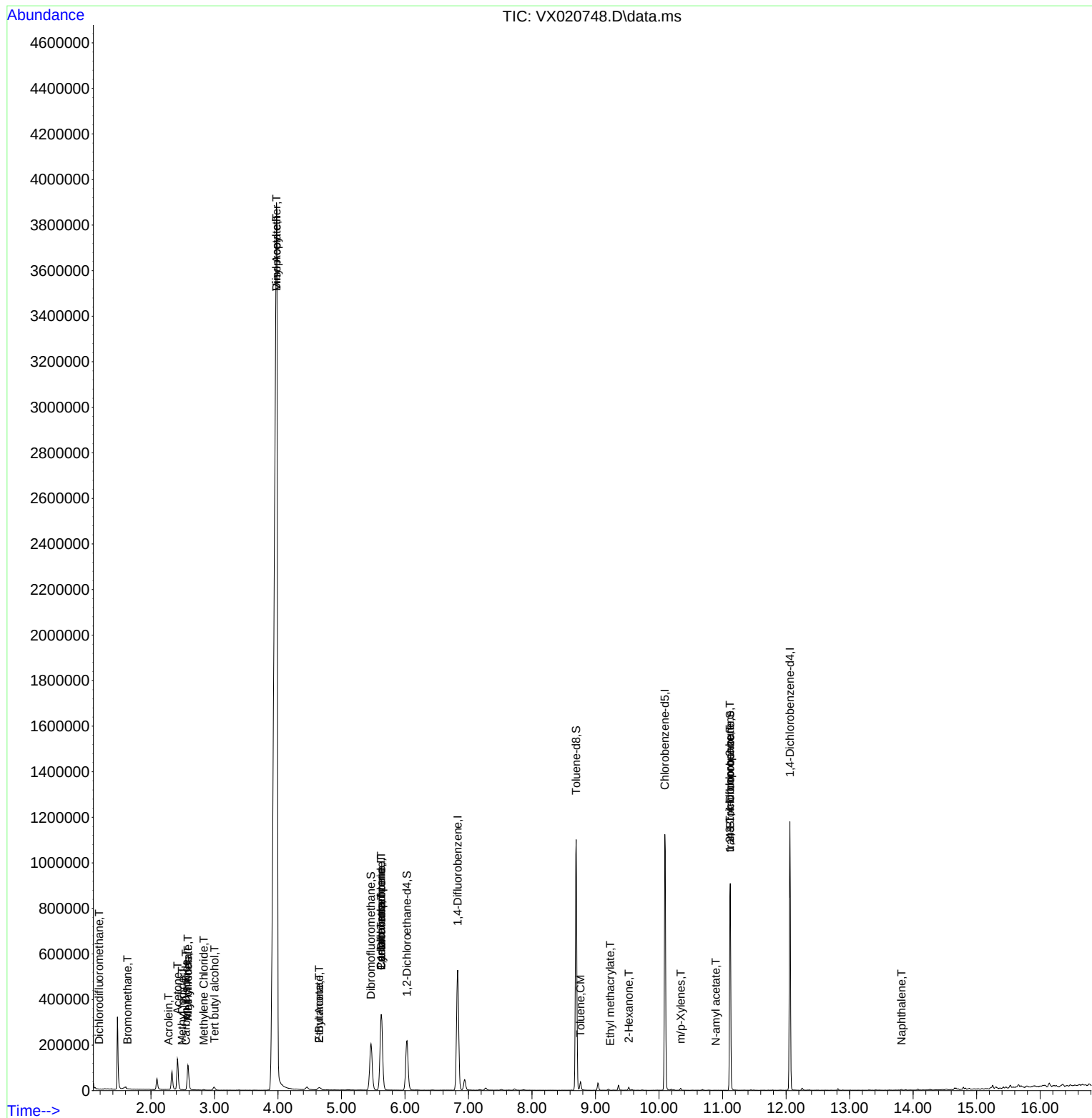
Internal Standards						
1) Pentafluorobenzene	5.623	168	312838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	540117	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	518695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	236888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	211367	49.54	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.08%		
35) Dibromofluoromethane	5.464	113	179599	48.55	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.10%		
50) Toluene-d8	8.696	98	664628	49.00	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.00%		
62) 4-Bromofluorobenzene	11.122	95	249368	47.34	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.68%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	19	1.20	ug/l #	42
5) Bromomethane	1.630	94	767	0.36	ug/l #	66
10) Methyl Iodide	2.489	142	928	0.22	ug/l #	77
11) Tert butyl alcohol	3.001	59	9166	11.51	ug/l #	80
13) Acrolein	2.276	56	651	1.08	ug/l	92
14) Allyl chloride	2.581	41	11409	2.04	ug/l #	64
16) Acetone	2.416	43	140936	87.11	ug/l	99
17) Carbon Disulfide	2.550	76	900	0.99	ug/l #	95
18) Methyl Acetate	2.581	43	29034	7.02	ug/l #	47
20) Methylene Chloride	2.831	84	928	0.23	ug/l	94
22) Diisopropyl ether	3.977	45	377508	34.33	ug/l #	1
23) Vinyl Acetate	3.977	43	843198	93.20	ug/l #	68
25) 2-Butanone	4.648	43	10640	4.20	ug/l	100
31) Cyclohexane	5.623	56	5939	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	25207	4.65	ug/l #	48
37) Ethyl Acetate	4.648	43	10640	2.07	ug/l #	67
38) Carbon Tetrachloride	5.623	117	32756	5.75	ug/l #	17
52) Toluene	8.763	92	13430	1.34	ug/l	98
56) Ethyl methacrylate	9.232	69	53	2.79	ug/l #	29
59) 2-Hexanone	9.525	43	1310	0.34	ug/l #	60
68) m/p-Xylenes	10.342	106	1704	0.23	ug/l	82
74) N-amyl acetate	10.896	43	100	2.03	ug/l #	8
76) 1,2,3-Trichloropropane	11.116	75	122830	22.36	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	122830	62.65	ug/l #	12
95) Naphthalene	13.817	128	1890	2.97	ug/l	95

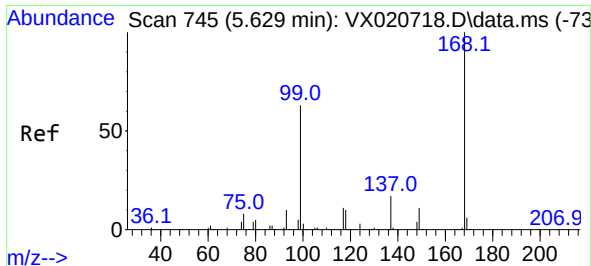
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jan 26 14:40:40 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:38:15 2021
Response via : Initial Calibration

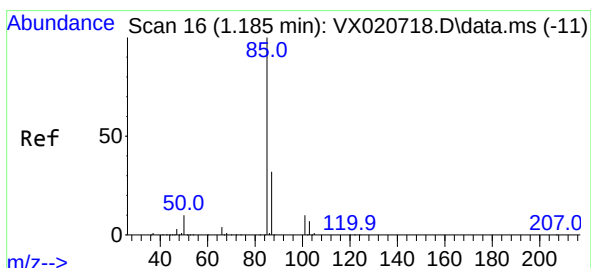
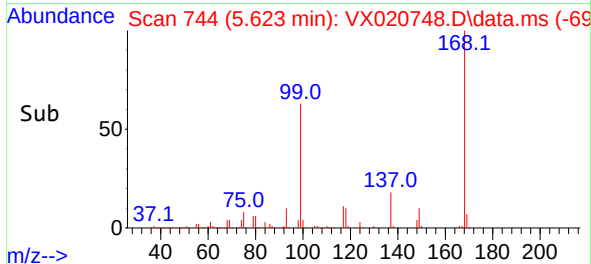
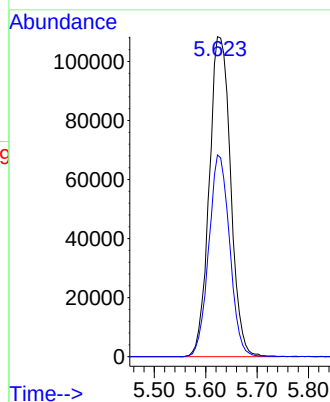
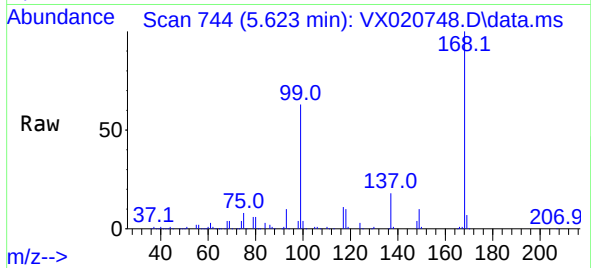




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.006 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

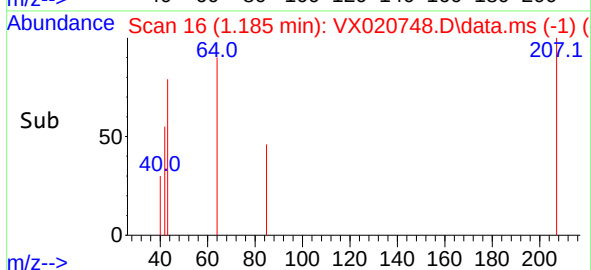
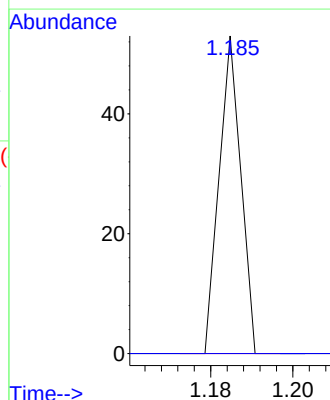
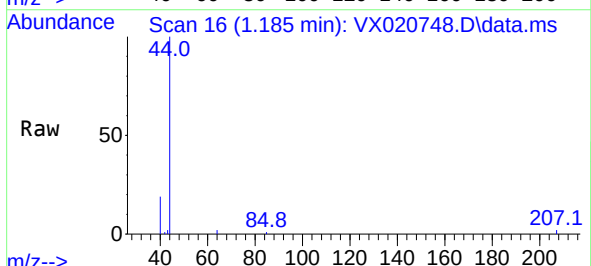
Instrument :
MSVOA_X
ClientSampled :

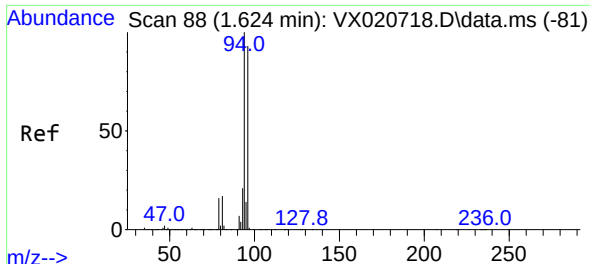
Tgt Ion:168 Resp: 312838
Ion Ratio Lower Upper
168 100
99 63.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.20 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

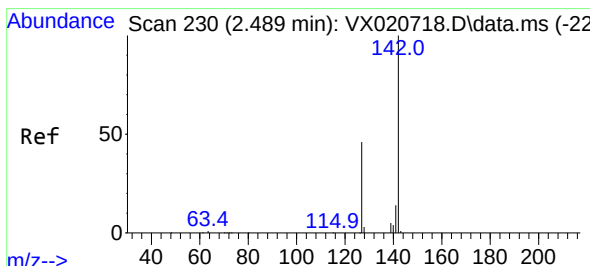
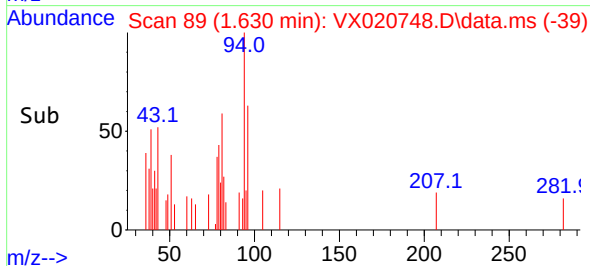
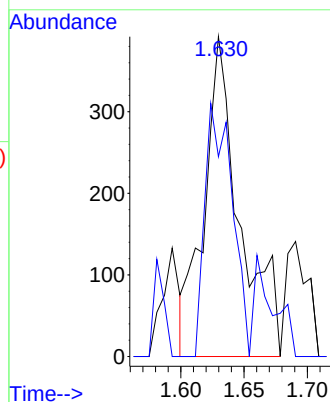
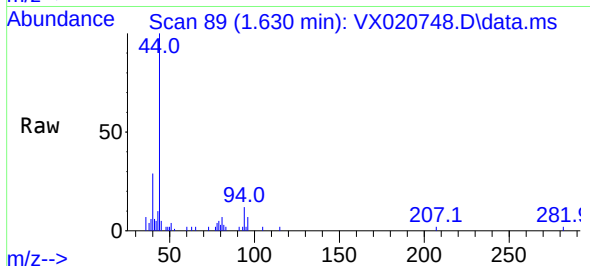




#5
Bromomethane
Concen: 0.36 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

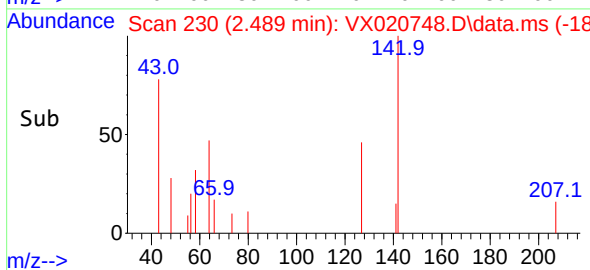
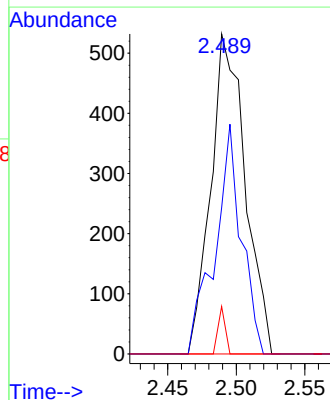
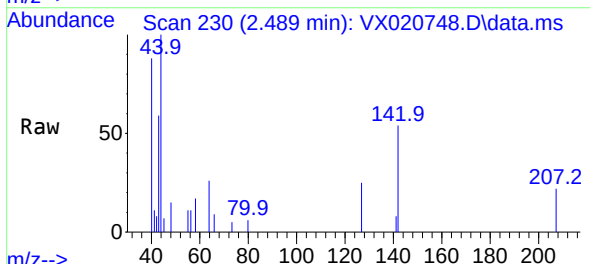
Instrument :
MSVOA_X
ClientSampled :

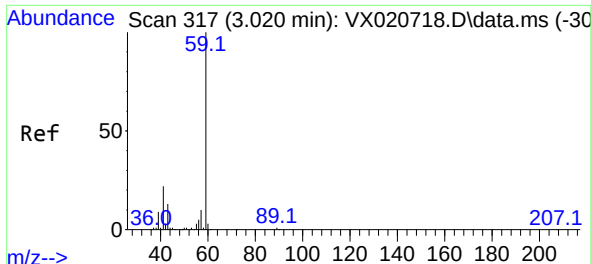
Tgt Ion: 94 Resp: 767
Ion Ratio Lower Upper
94 100
96 62.5 76.4 114.6#



#10
Methyl Iodide
Concen: 0.22 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion:142 Resp: 928
Ion Ratio Lower Upper
142 100
127 55.0 33.3 49.9#
141 3.1 11.4 17.0#



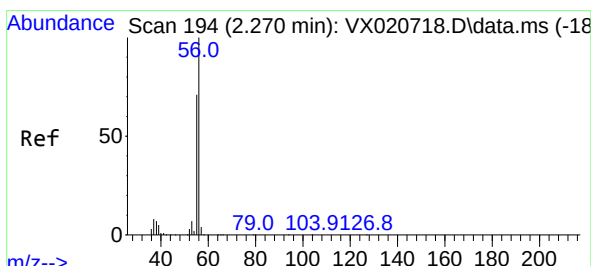
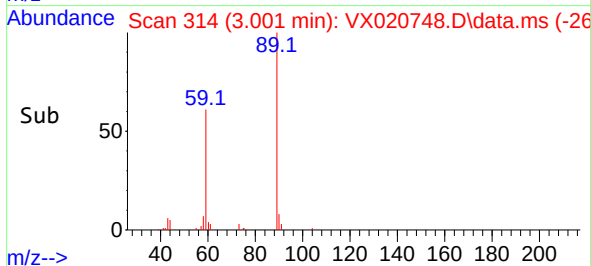
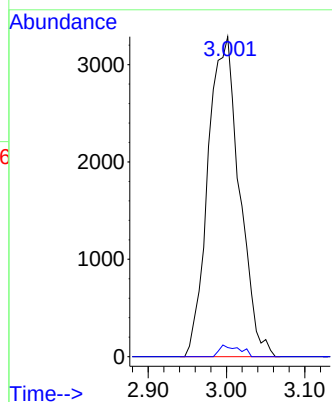
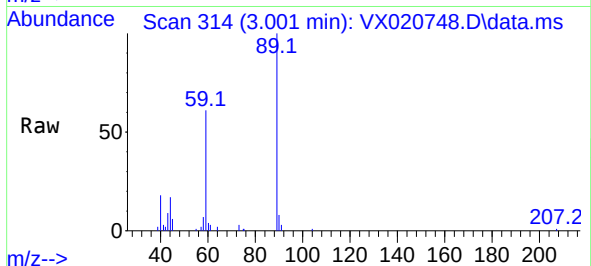


#11

Tert butyl alcohol
Concen: 11.51 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.019 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Instrument :
MSVOA_X
ClientSampled :

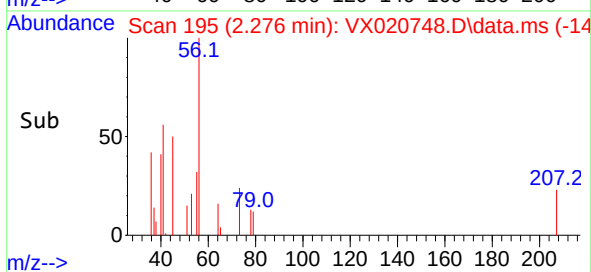
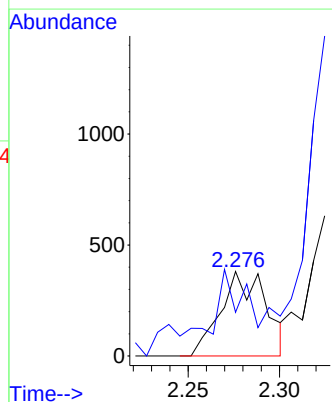
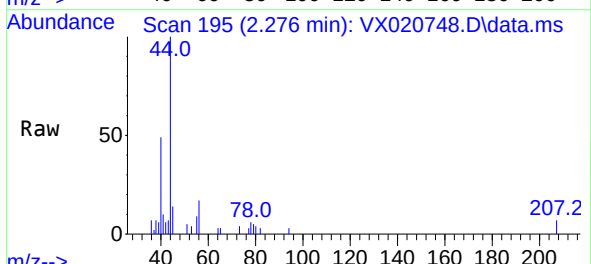
Tgt Ion: 59 Resp: 9166
Ion Ratio Lower Upper
59 100
57 2.3 7.8 11.8#

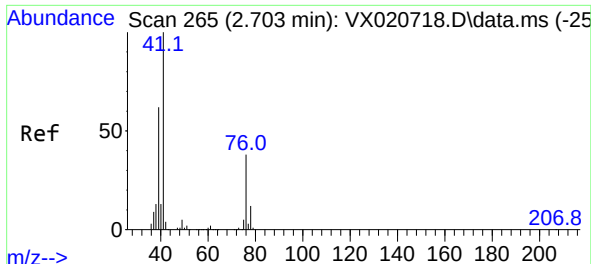


#13

Acrolein
Concen: 1.08 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion: 56 Resp: 651
Ion Ratio Lower Upper
56 100
55 63.9 56.4 84.6





#14

Allyl chloride

Concen: 2.04 ug/l

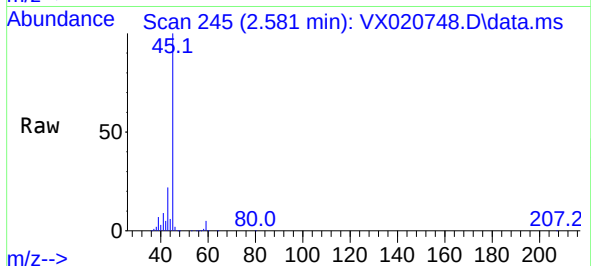
RT: 2.581 min Scan# 245

Delta R.T. -0.122 min

Lab File: VX020748.D

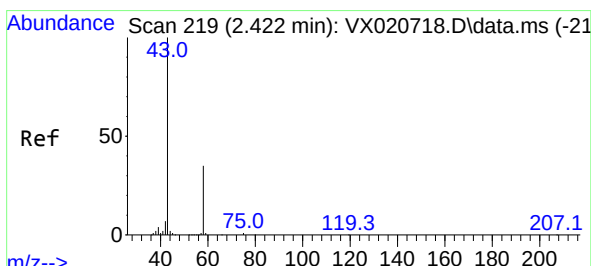
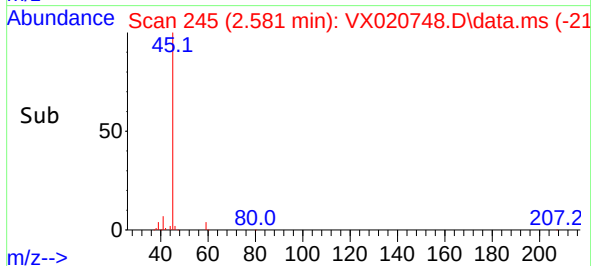
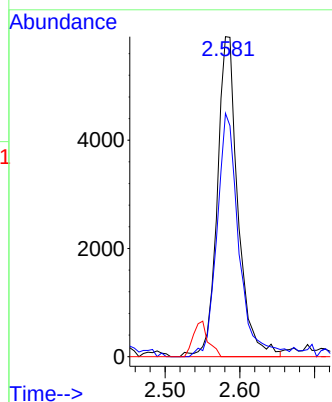
Acq: 26 Jan 2021 13:10

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 41 Resp: 11409

Ion	Ratio	Lower	Upper
41	100		
39	80.4	51.6	77.4#
76	0.0	30.5	45.7#



#16

Acetone

Concen: 87.11 ug/l

RT: 2.416 min Scan# 218

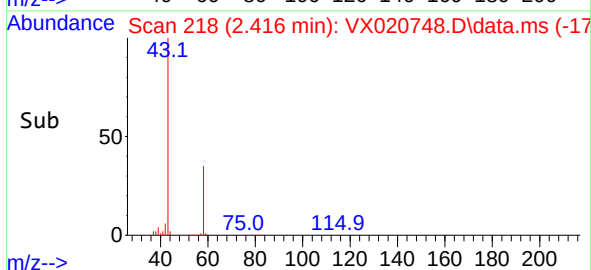
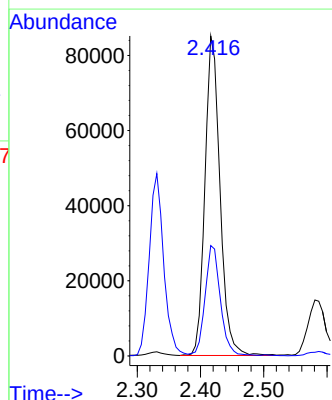
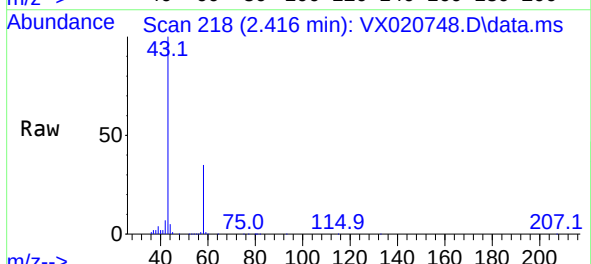
Delta R.T. -0.006 min

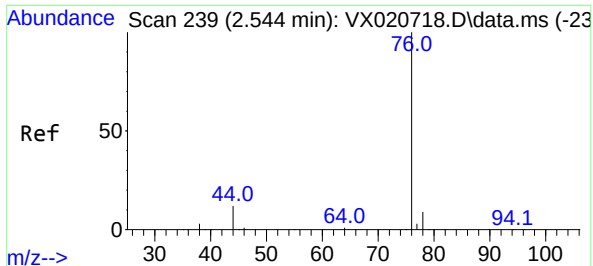
Lab File: VX020748.D

Acq: 26 Jan 2021 13:10

Tgt Ion: 43 Resp: 140936

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.8	41.8





#17

Carbon Disulfide

Concen: 0.99 ug/l

RT: 2.550 min Scan# 240

Delta R.T. 0.006 min

Lab File: VX020748.D

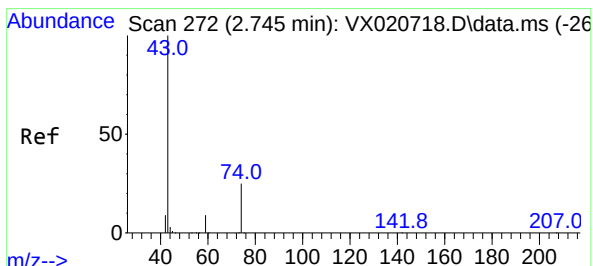
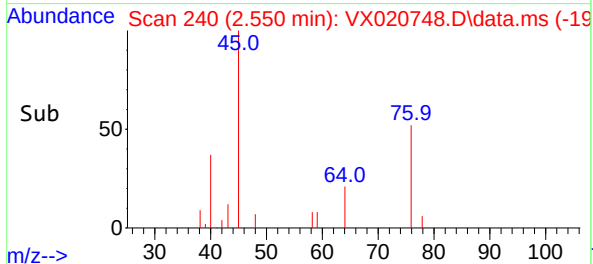
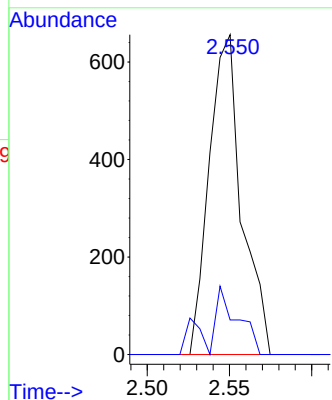
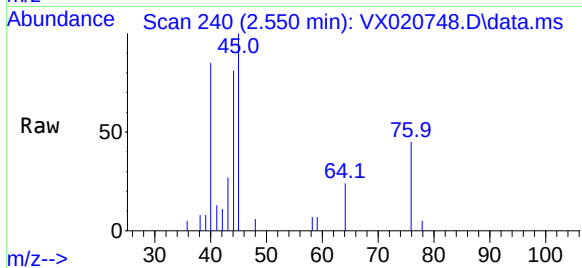
Acq: 26 Jan 2021 13:10

Tgt Ion: 76 Resp: 900

Ion Ratio Lower Upper

76 100

78 10.8 7.2 10.8#



#18

Methyl Acetate

Concen: 7.02 ug/l

RT: 2.581 min Scan# 245

Delta R.T. -0.164 min

Lab File: VX020748.D

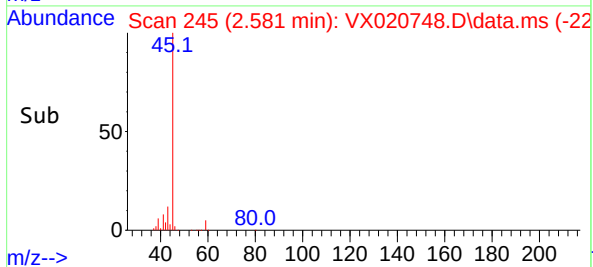
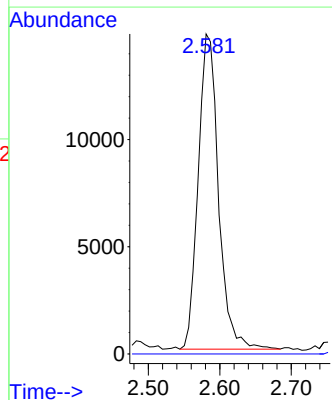
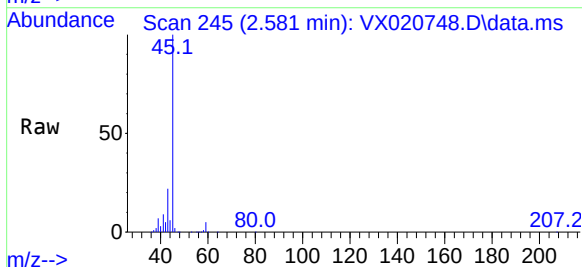
Acq: 26 Jan 2021 13:10

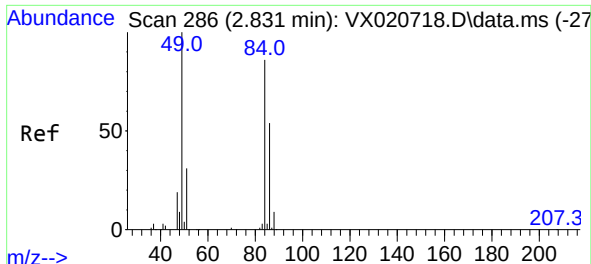
Tgt Ion: 43 Resp: 29034

Ion Ratio Lower Upper

43 100

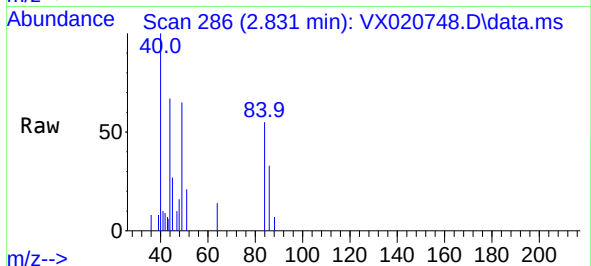
74 0.0 21.9 32.9#





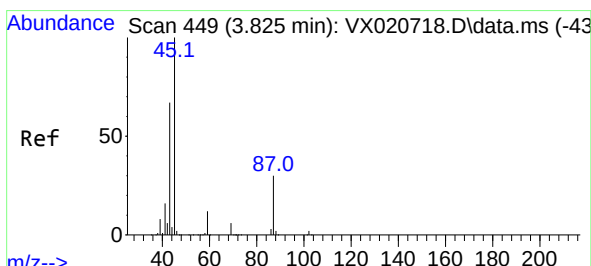
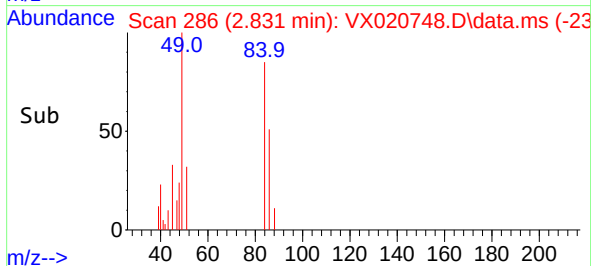
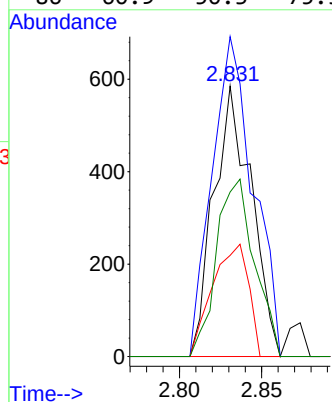
#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 928

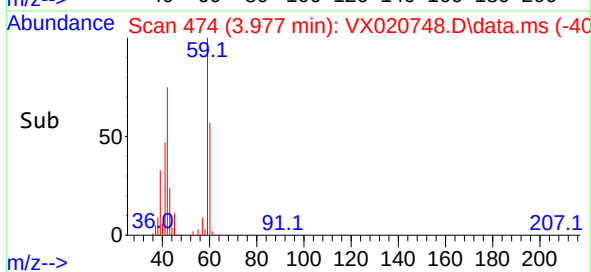
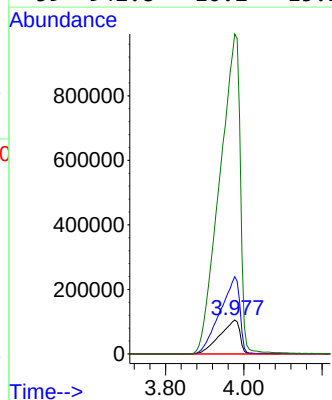
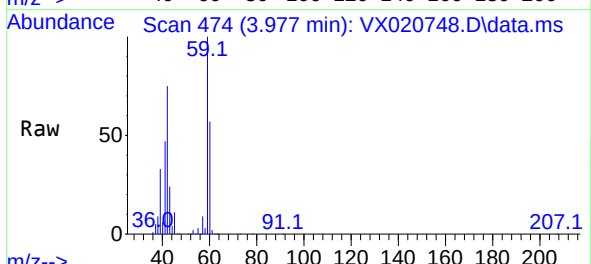
Ion	Ratio	Lower	Upper
84	100		
49	118.3	88.6	132.8
51	37.4	27.0	40.6
86	60.9	50.3	75.5

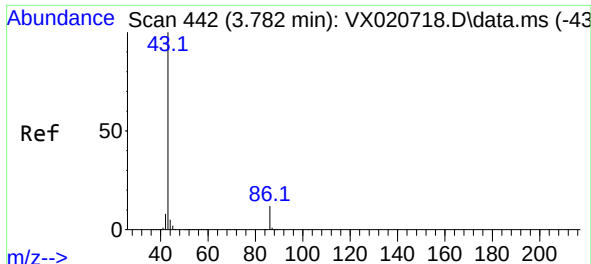


#22
Diisopropyl ether
Concen: 34.33 ug/l
RT: 3.977 min Scan# 474
Delta R.T. 0.152 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion: 45 Resp: 377508

Ion	Ratio	Lower	Upper
45	100		
43	227.8	58.0	87.0#
87	0.0	25.4	38.0#
59	942.8	10.2	15.2#

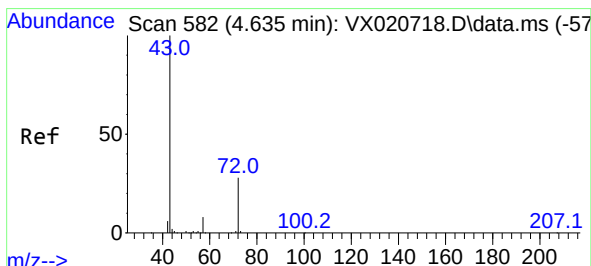
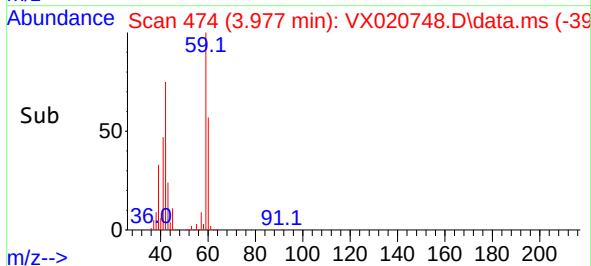
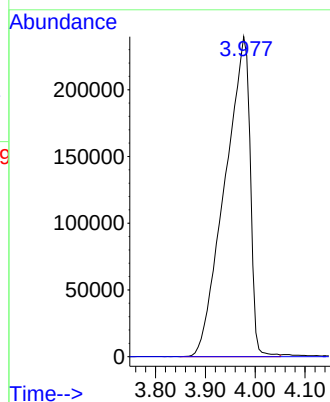
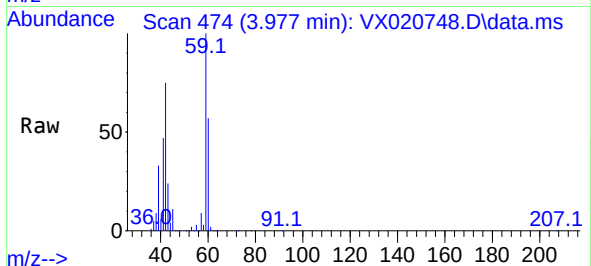




#23
 Vinyl Acetate
 Concen: 93.20 ug/l
 RT: 3.977 min Scan# 474
 Delta R.T. 0.195 min
 Lab File: VX020748.D
 Acq: 26 Jan 2021 13:10

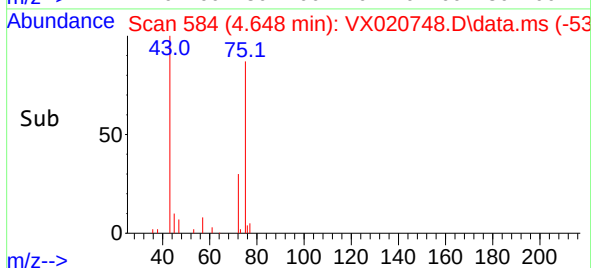
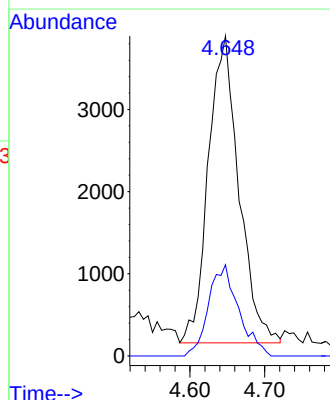
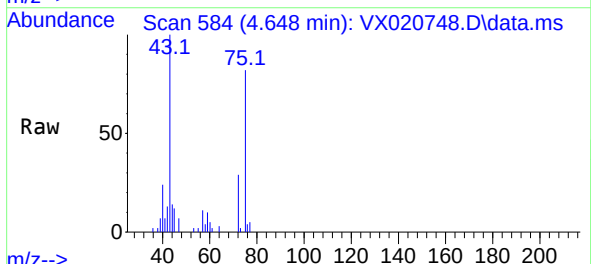
Instrument :
 MSVOA_X
 ClientSampled :

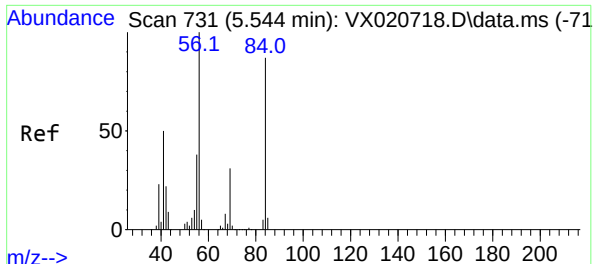
Tgt Ion: 43 Resp: 843198
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 4.20 ug/l
 RT: 4.648 min Scan# 584
 Delta R.T. 0.013 min
 Lab File: VX020748.D
 Acq: 26 Jan 2021 13:10

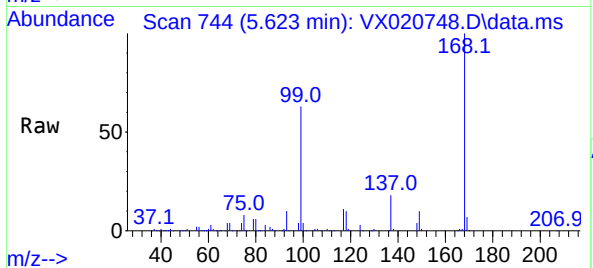
Tgt Ion: 43 Resp: 10640
 Ion Ratio Lower Upper
 43 100
 72 29.7 23.7 35.5



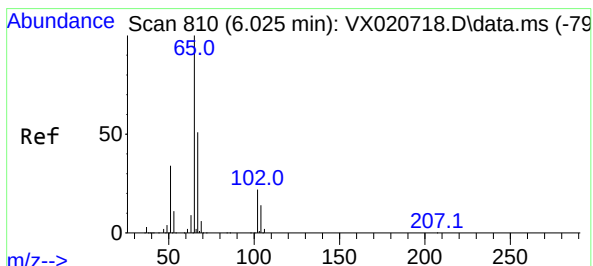
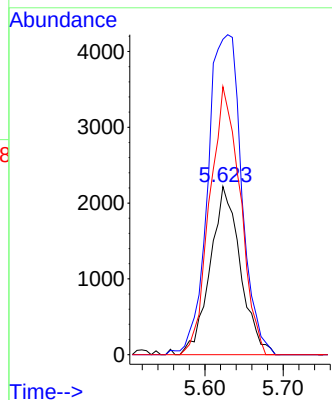
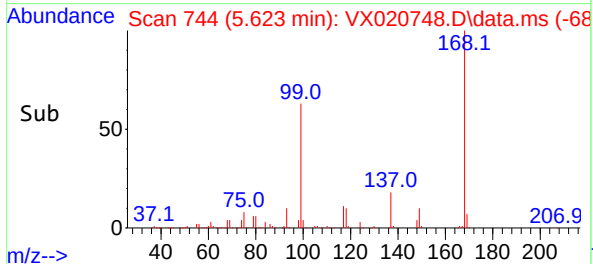


#31
Cyclohexane
Concen: 1.04 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.079 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

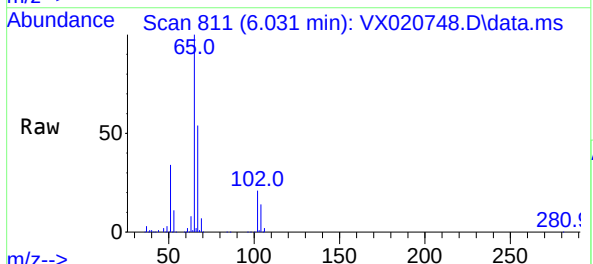
Instrument :
MSVOA_X
ClientSampled :



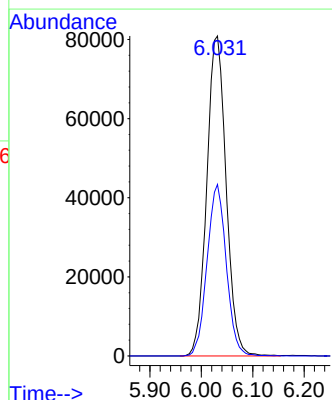
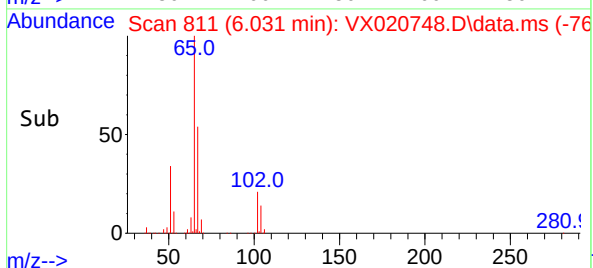
Tgt Ion: 56 Resp: 5939
Ion Ratio Lower Upper
56 100
69 187.6 25.3 37.9#
84 159.4 71.4 107.0#

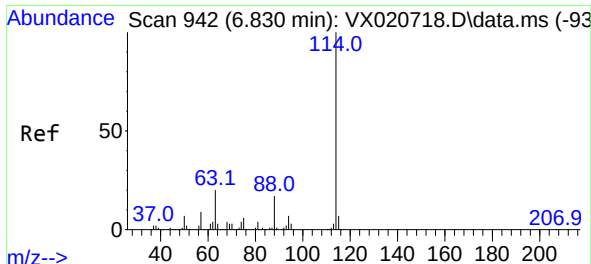


#33
1,2-Dichloroethane-d4
Concen: 49.54 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10



Tgt Ion: 65 Resp: 211367
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4

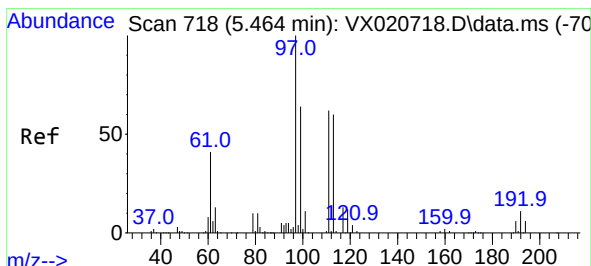
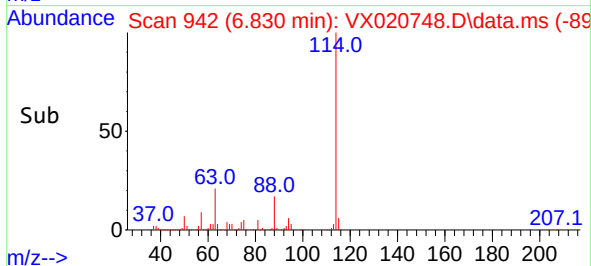
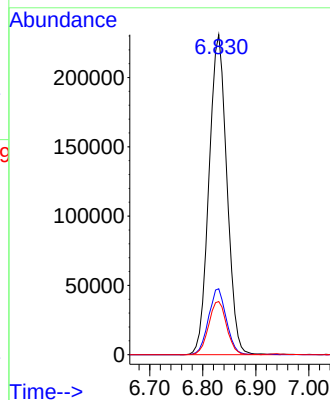
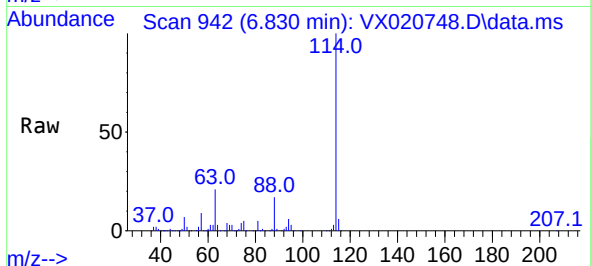




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

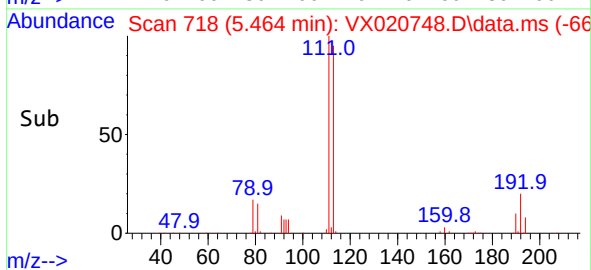
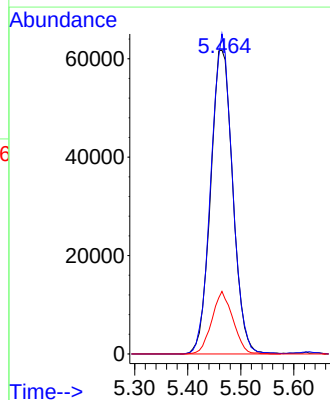
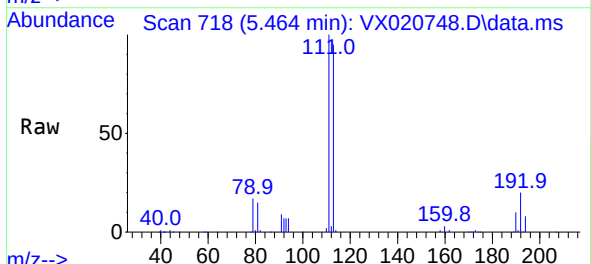
Instrument :
MSVOA_X
ClientSampled :

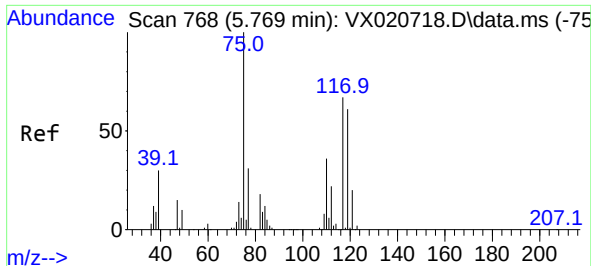
Tgt Ion:114 Resp: 540117
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.55 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion:113 Resp: 179599
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 19.6 16.7 25.1

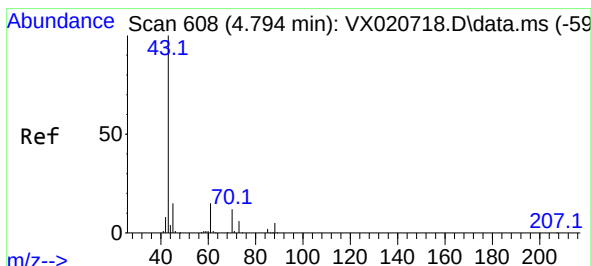
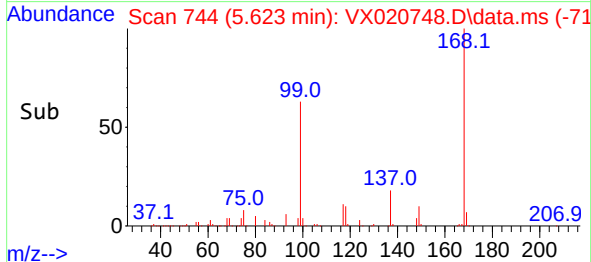
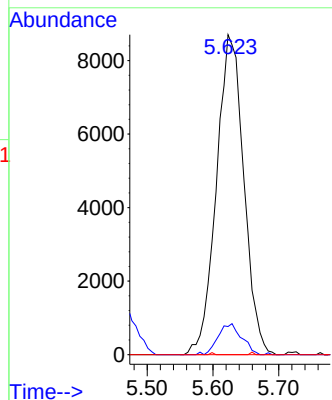
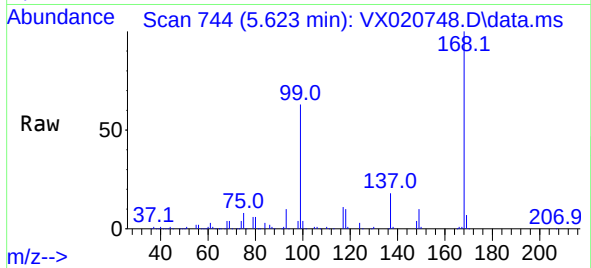




#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

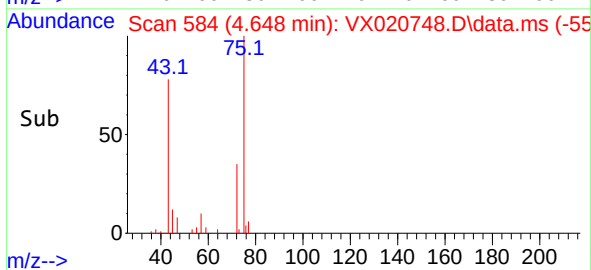
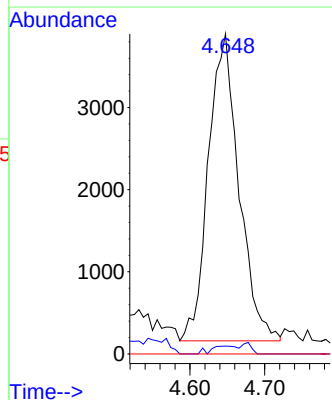
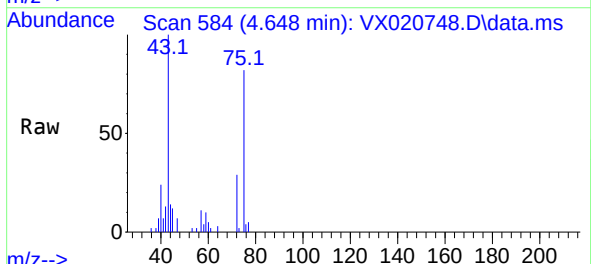
Instrument :
MSVOA_X
ClientSampleId :

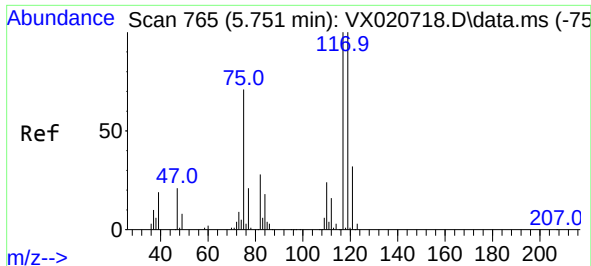
Tgt Ion: 75 Resp: 25207
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 2.07 ug/l
RT: 4.648 min Scan# 584
Delta R.T. -0.146 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

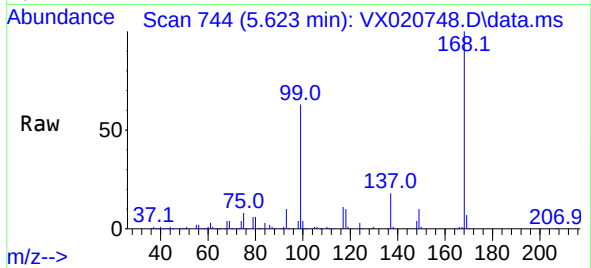
Tgt Ion: 43 Resp: 10640
Ion Ratio Lower Upper
43 100
61 2.3 12.8 19.2#
70 0.0 10.5 15.7#



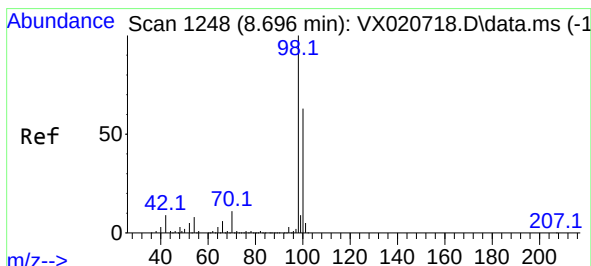
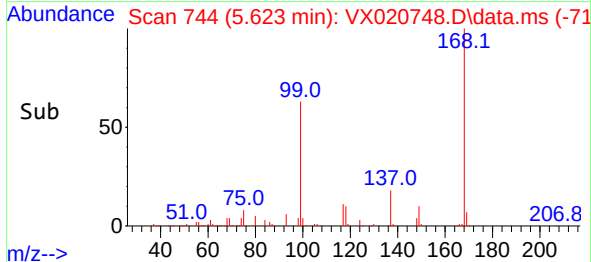
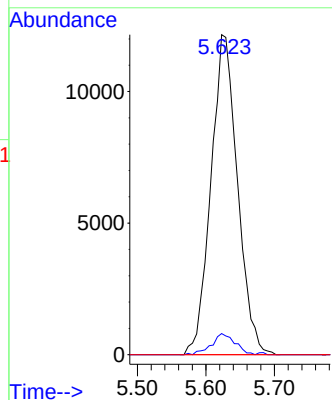


#38
Carbon Tetrachloride
Concen: 5.75 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Instrument :
MSVOA_X
ClientSampled :

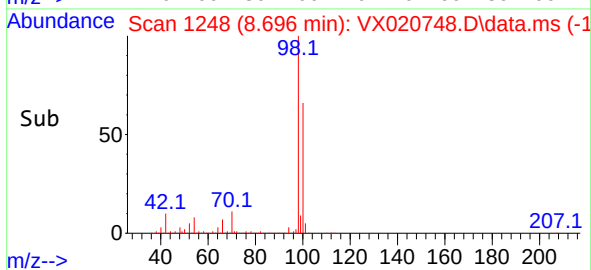
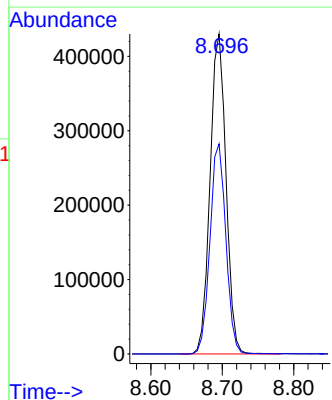
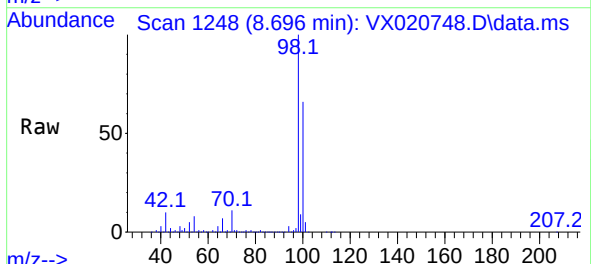


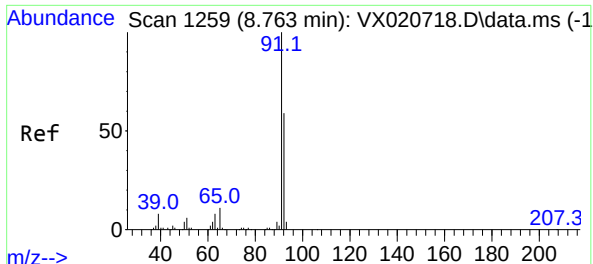
Tgt Ion:117 Resp: 32756
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.00 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion: 98 Resp: 664628
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

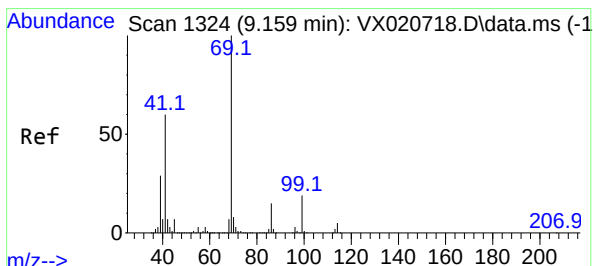
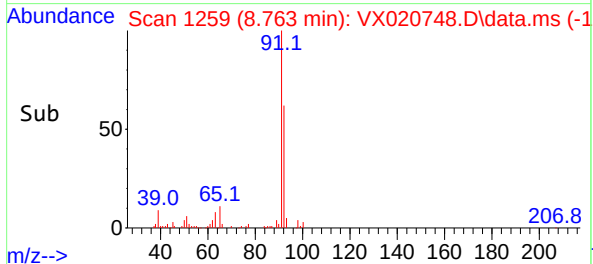
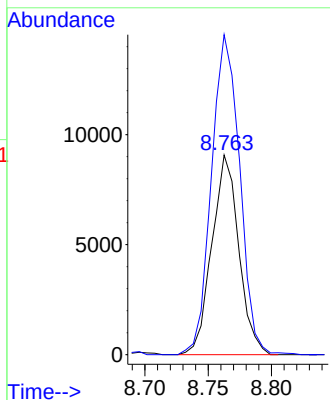
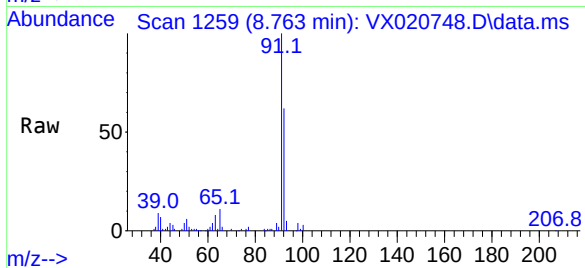




#52
Toluene
Concen: 1.34 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

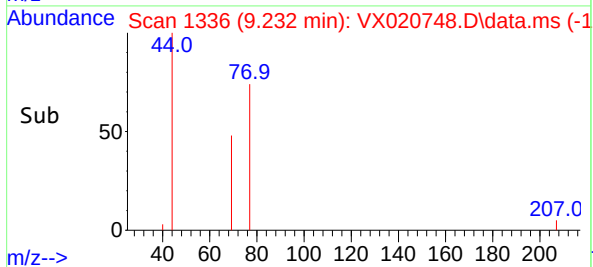
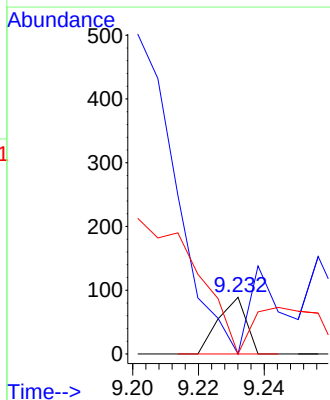
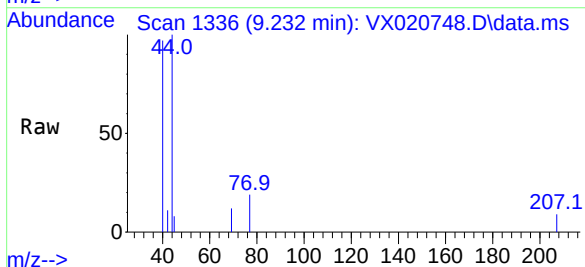
Instrument :
MSVOA_X
ClientSampled :

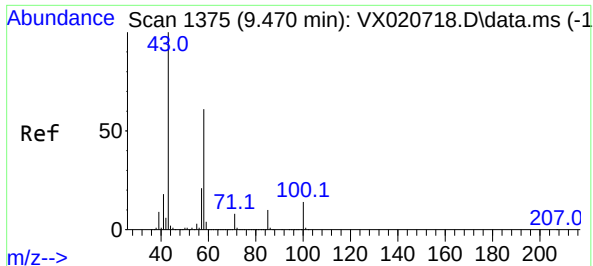
Tgt Ion: 92 Resp: 13430
Ion Ratio Lower Upper
92 100
91 168.1 137.1 205.7



#56
Ethyl methacrylate
Concen: 2.79 ug/l
RT: 9.232 min Scan# 1336
Delta R.T. 0.073 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion: 69 Resp: 53
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#

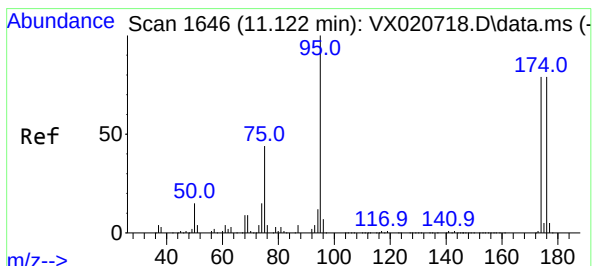
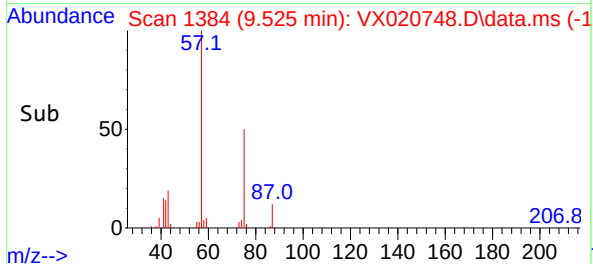
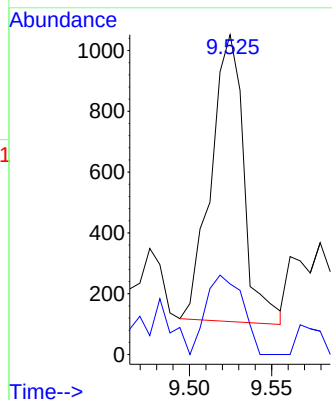
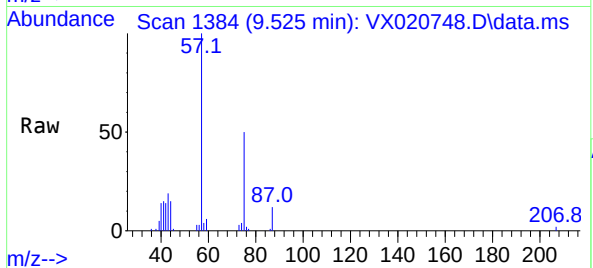




#59
2-Hexanone
Concen: 0.34 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

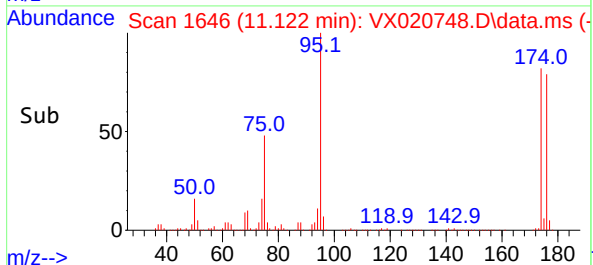
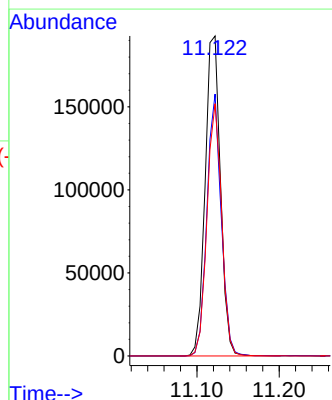
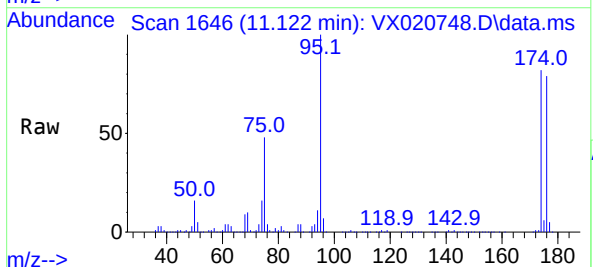
Instrument :
MSVOA_X
ClientSampled :

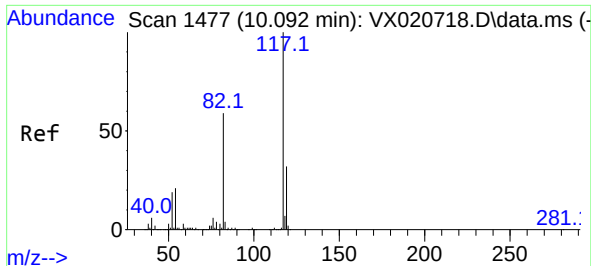
Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
58 30.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.34 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion: 95 Resp: 249368
Ion Ratio Lower Upper
95 100
174 76.6 0.0 154.6
176 75.4 0.0 155.8

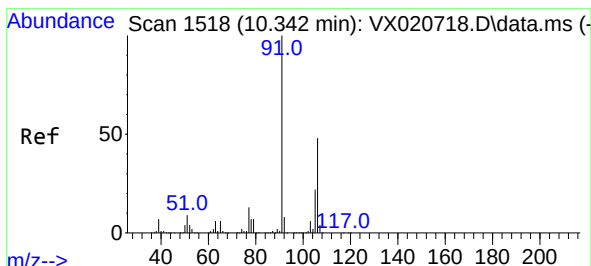
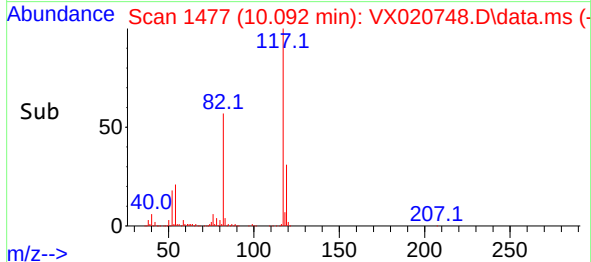
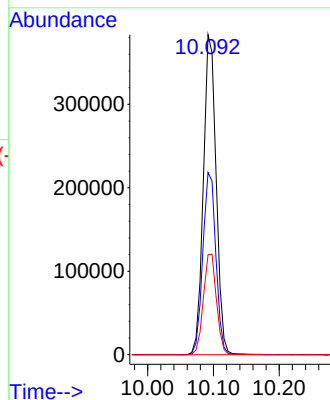
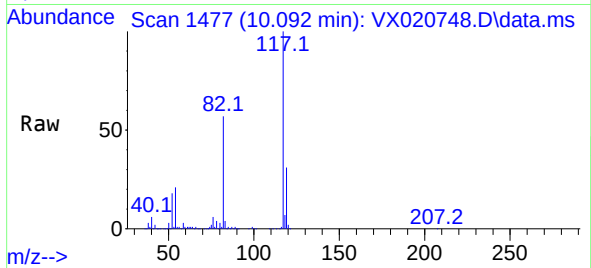




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

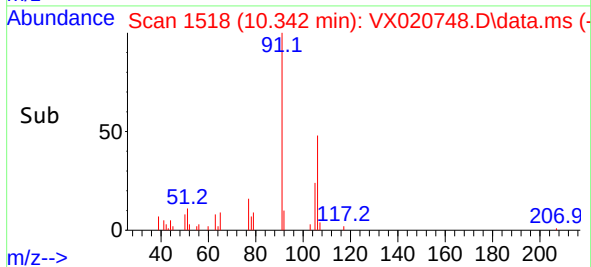
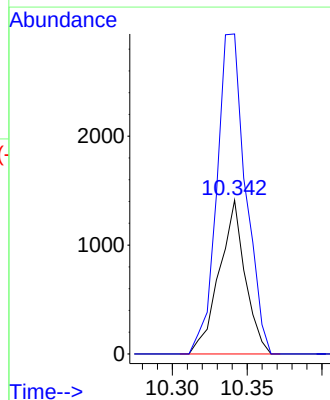
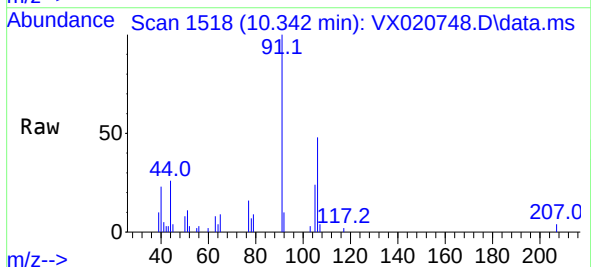
Instrument :
MSVOA_X
ClientSampleId :

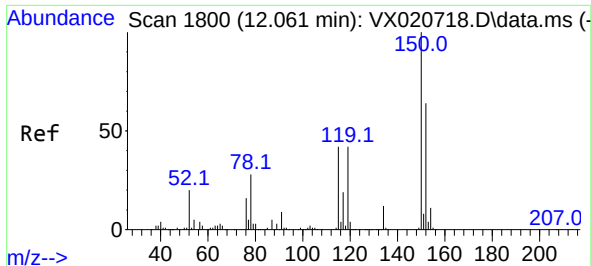
Tgt Ion:117 Resp: 518695
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 31.2 26.6 39.8



#68
m/p-Xylenes
Concen: 0.23 ug/l
RT: 10.342 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion:106 Resp: 1704
Ion Ratio Lower Upper
106 100
91 231.7 162.8 244.2

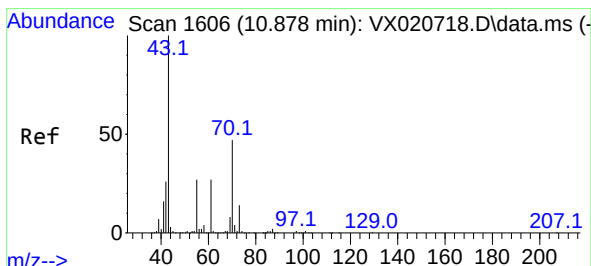
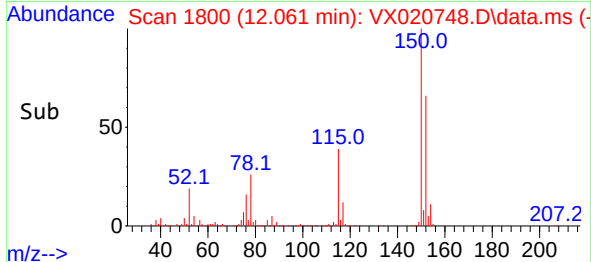
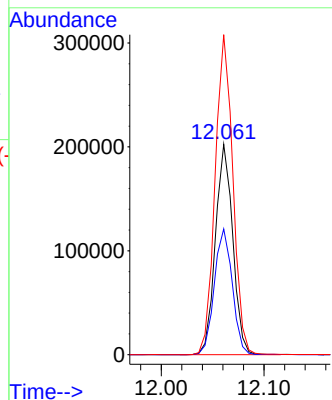
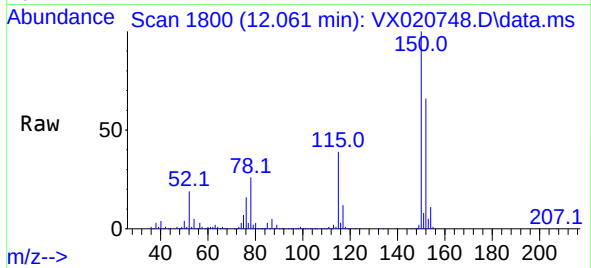




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

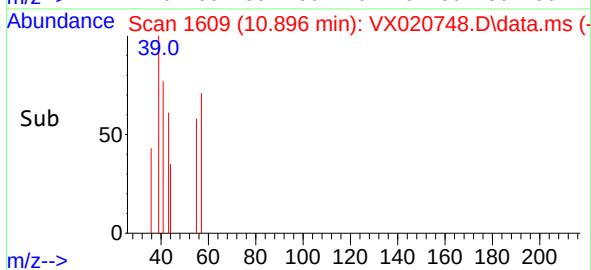
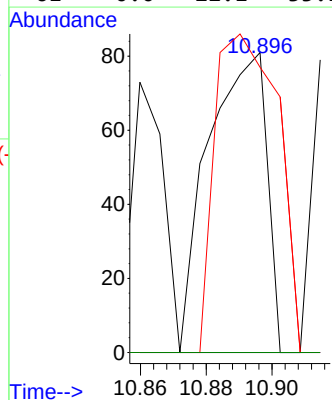
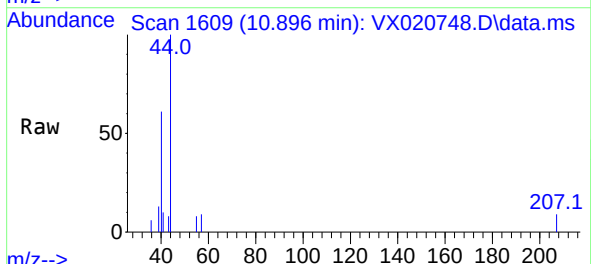
Instrument :
MSVOA_X
ClientSampled :

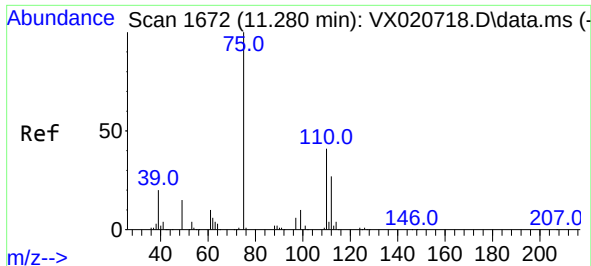
Tgt Ion:152 Resp: 236888
Ion Ratio Lower Upper
152 100
115 61.7 41.1 123.3
150 155.5 0.0 349.0



#74
N-ethyl acetate
Concen: 2.03 ug/l
RT: 10.896 min Scan# 1609
Delta R.T. 0.018 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 115.0 21.5 32.3#
61 0.0 22.1 33.1#

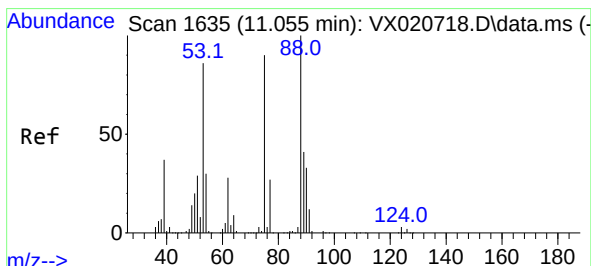
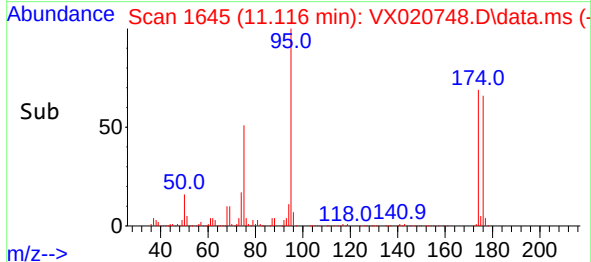
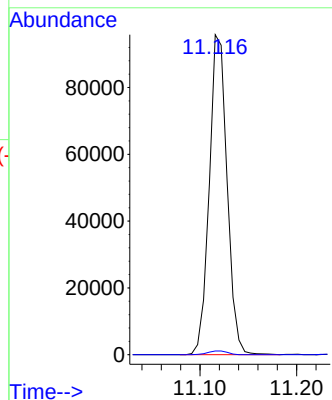
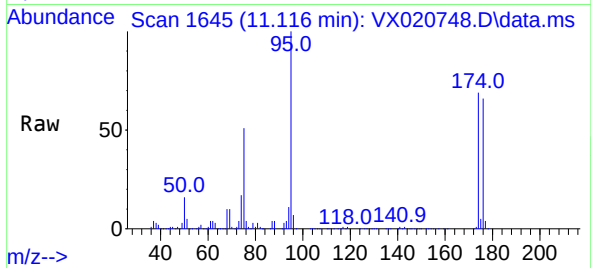




#76
1,2,3-Trichloropropane
Concen: 22.36 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

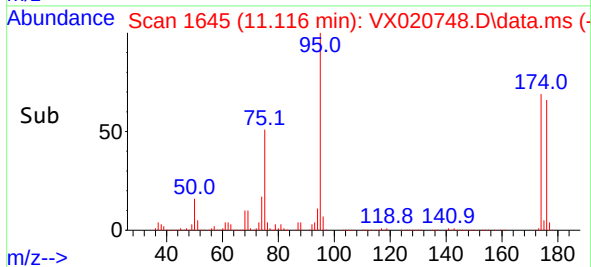
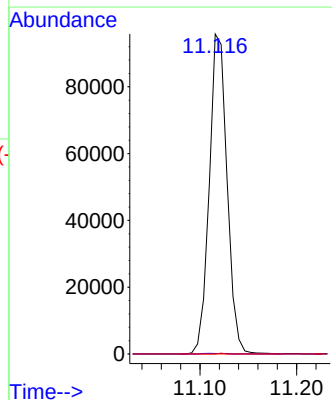
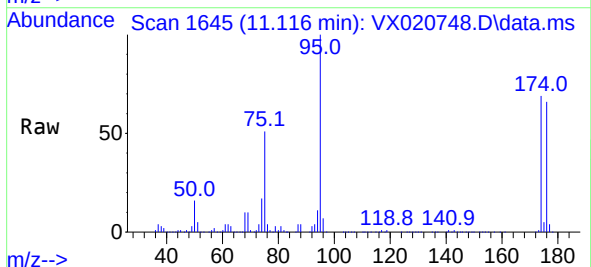
Instrument :
MSVOA_X
ClientSampled :

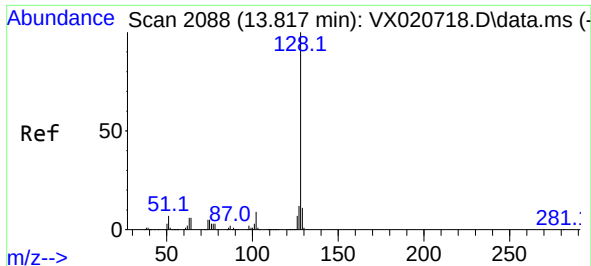
Tgt Ion: 75 Resp: 122830
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.65 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Tgt Ion: 75 Resp: 122830
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 2.97 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020748.D
Acq: 26 Jan 2021 13:10

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	128	Resp:	1890
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.3	15.5
129	12.7	8.8	13.2

