

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012721\
 Data File : VX020774.D
 Acq On : 27 Jan 2021 16:51
 Operator : JC/SP
 Sample : M1189-14DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 00:45:06 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)

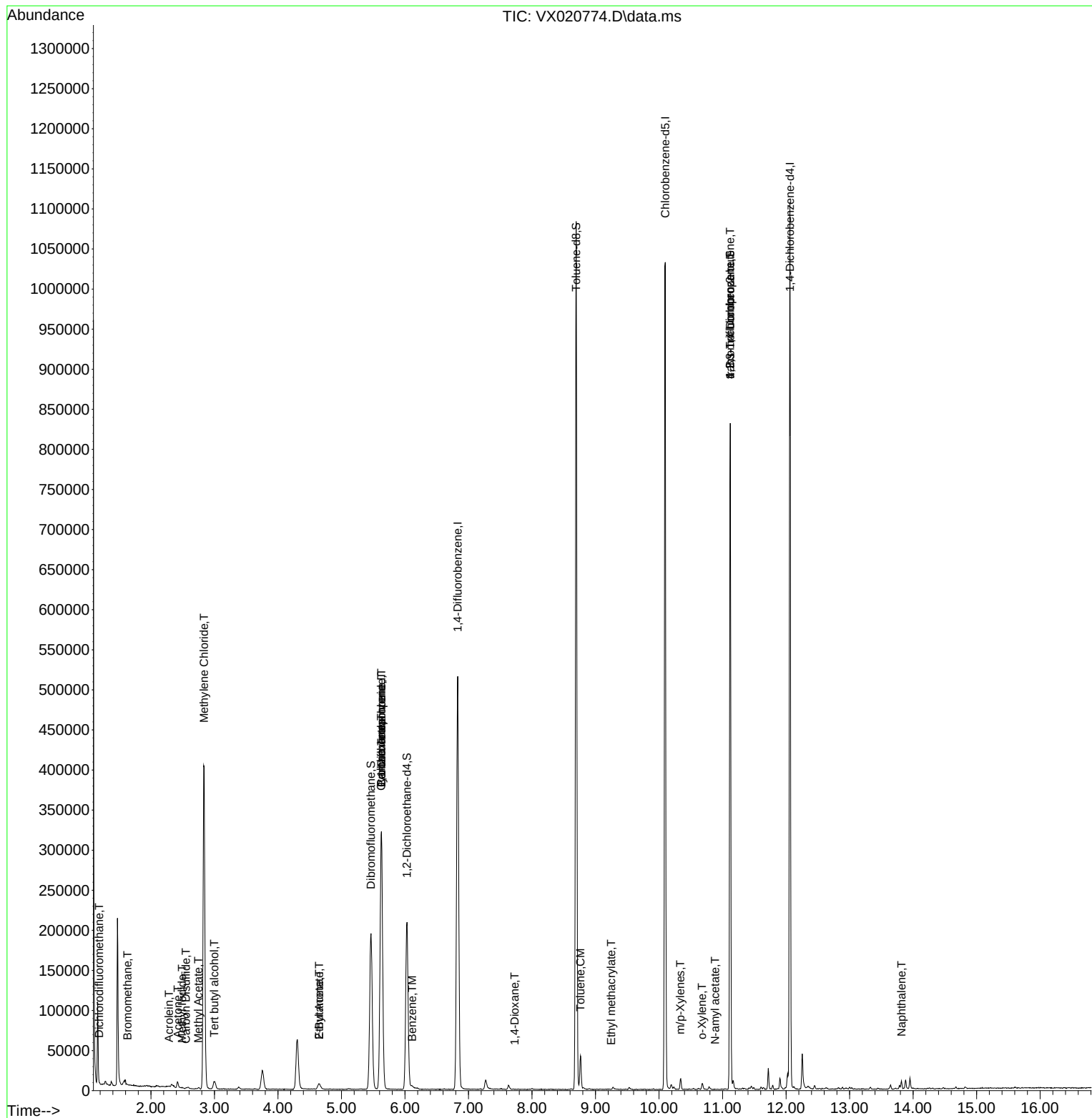
Internal Standards						
1) Pentafluorobenzene	5.629	168	301662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	518068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	492456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	224729	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	202926	49.32	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.64%		
35) Dibromofluoromethane	5.464	113	171724	48.39	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.78%		
50) Toluene-d8	8.695	98	632534	48.62	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.24%		
62) 4-Bromofluorobenzene	11.122	95	229678	45.46	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.92%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	27	1.20	ug/l #	42
5) Bromomethane	1.630	94	766	0.38	ug/l #	72
10) Methyl Iodide	2.489	142	1238	0.30	ug/l #	86
11) Tert butyl alcohol	2.995	59	6503	8.47	ug/l #	84
13) Acrolein	2.282	56	230	0.40	ug/l #	67
16) Acetone	2.422	43	8481	5.44	ug/l	100
17) Carbon Disulfide	2.550	76	990	1.01	ug/l #	77
18) Methyl Acetate	2.745	43	1673	0.42	ug/l	94
20) Methylene Chloride	2.837	84	203211	51.62	ug/l	98
25) 2-Butanone	4.647	43	7523	3.08	ug/l	95
31) Cyclohexane	5.623	56	5730	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	23444	4.51	ug/l #	48
37) Ethyl Acetate	4.647	43	7523	1.53	ug/l #	65
38) Carbon Tetrachloride	5.629	117	31711	5.80	ug/l #	16
40) Benzene	6.111	78	4072	0.27	ug/l	95
49) 1,4-Dioxane	7.726	88	41	0.44	ug/l #	24
52) Toluene	8.763	92	15633	1.62	ug/l	98
56) Ethyl methacrylate	9.244	69	19	2.79	ug/l #	29
68) m/p-Xylenes	10.335	106	3227	0.47	ug/l	99
69) o-Xylene	10.677	106	1483	0.23	ug/l	94
74) N-amyl acetate	10.884	43	102	2.03	ug/l #	35
76) 1,2,3-Trichloropropane	11.122	75	112513	21.59	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	112513	60.49	ug/l #	12
95) Naphthalene	13.817	128	5945	3.20	ug/l	98

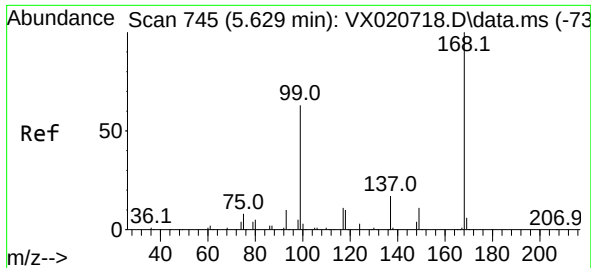
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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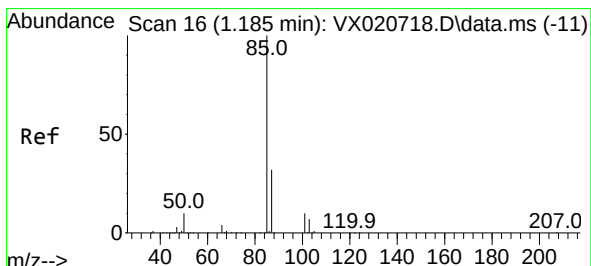
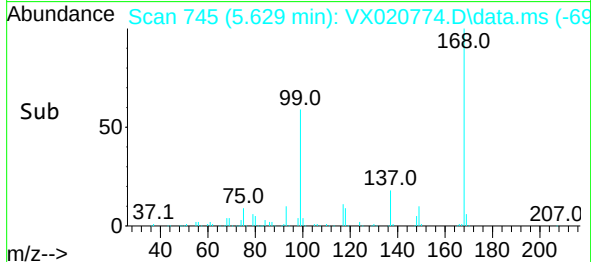
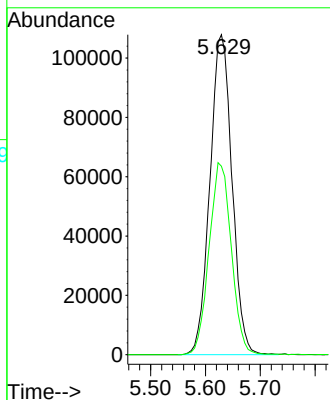
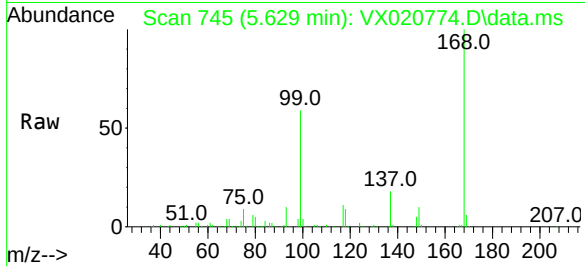




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

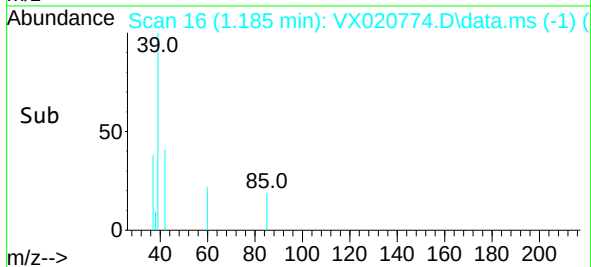
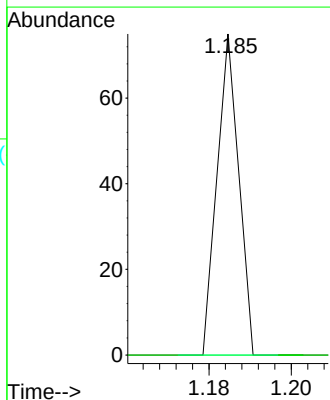
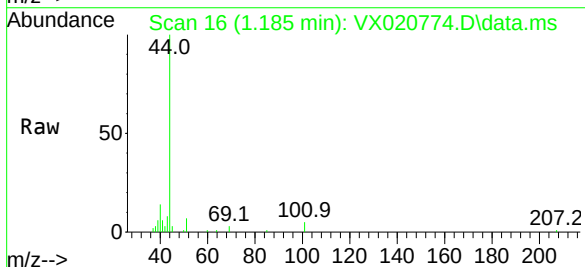
Instrument :
MSVOA_X
ClientSampled :

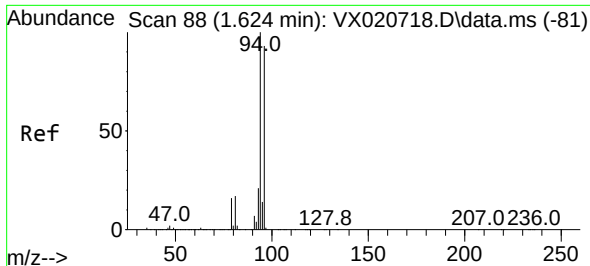
Tgt Ion:168 Resp: 301662
Ion Ratio Lower Upper
168 100
99 58.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.20 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Tgt Ion: 85 Resp: 27
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

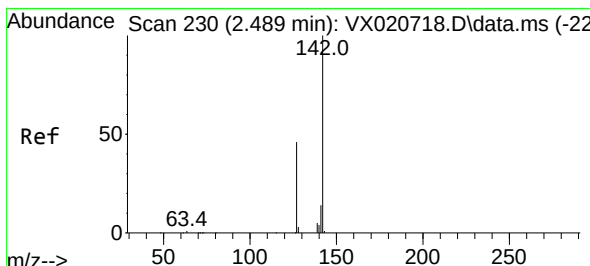
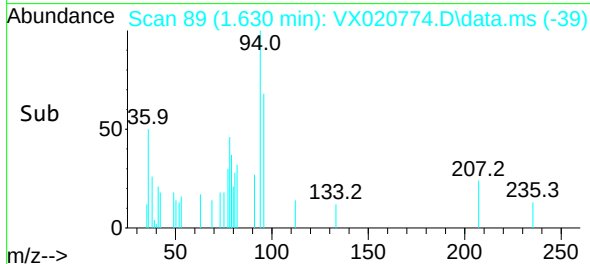
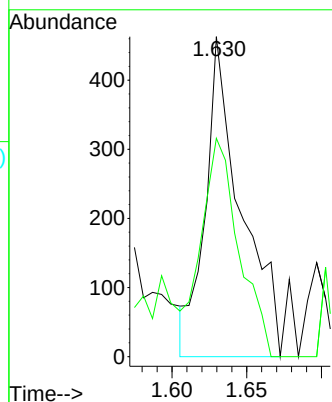
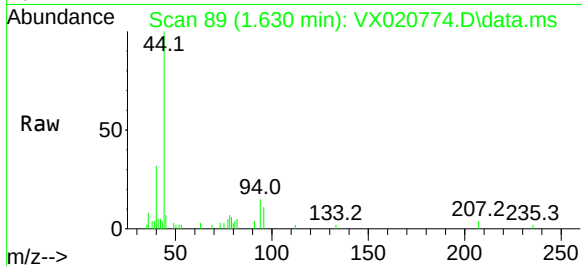




#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

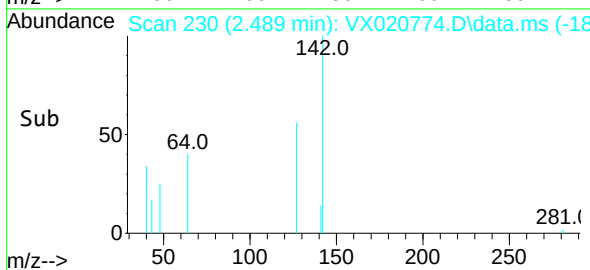
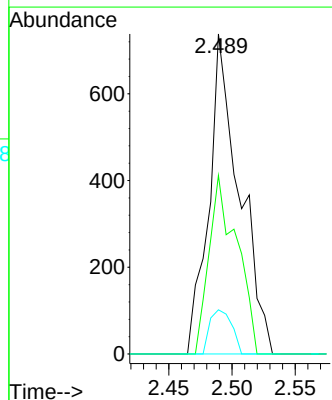
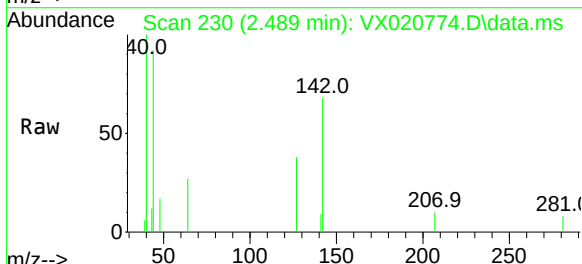
Instrument :
MSVOA_X
ClientSampled :

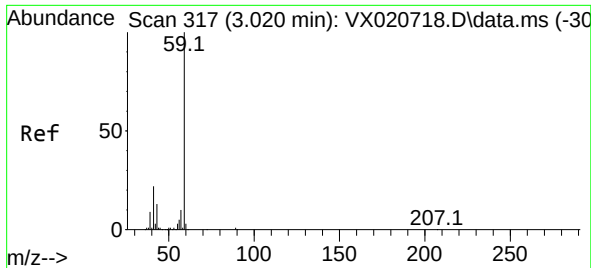
Tgt Ion: 94 Resp: 766
Ion Ratio Lower Upper
94 100
96 68.3 76.4 114.6#



#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Tgt Ion: 142 Resp: 1238
Ion Ratio Lower Upper
142 100
127 51.0 33.3 49.9#
141 9.9 11.4 17.0#

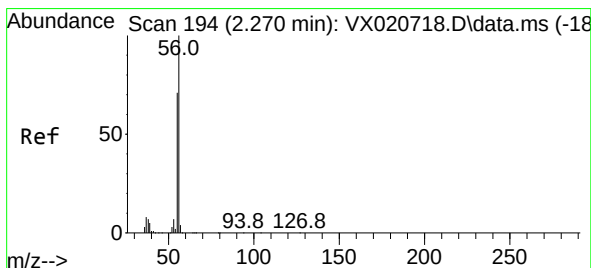
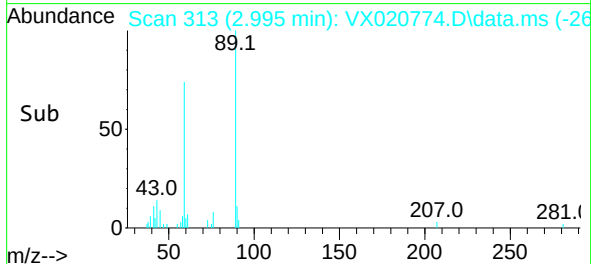
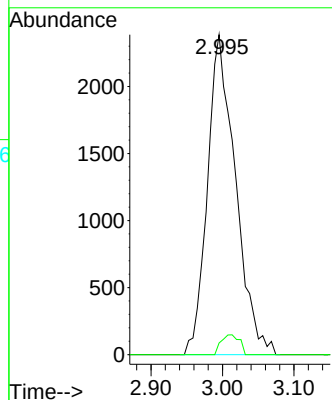
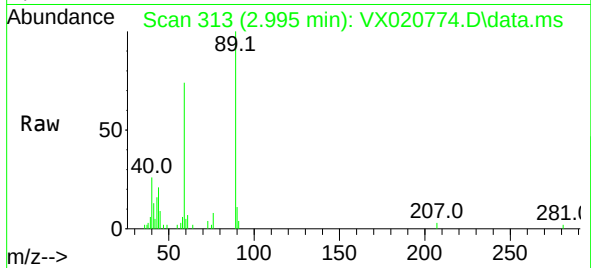




#11
Tert butyl alcohol
Concen: 8.47 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.025 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

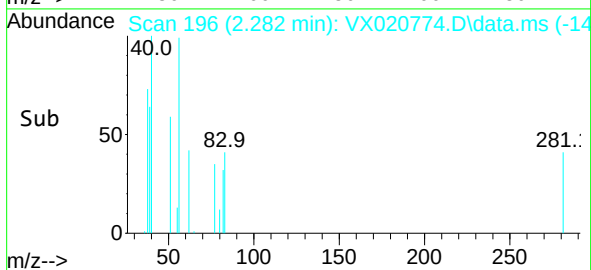
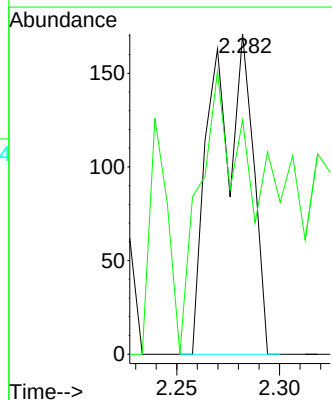
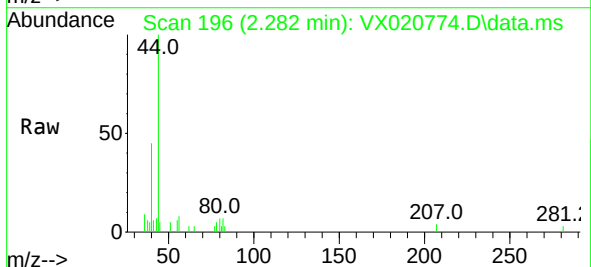
Instrument :
MSVOA_X
ClientSampled :

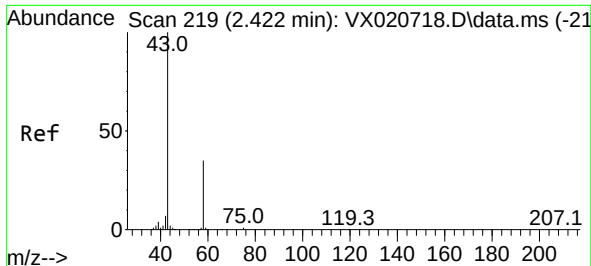
Tgt Ion: 59 Resp: 6503
Ion Ratio Lower Upper
59 100
57 4.0 7.8 11.8#



#13
Acrolein
Concen: 0.40 ug/l
RT: 2.282 min Scan# 196
Delta R.T. 0.012 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 97.4 56.4 84.6#

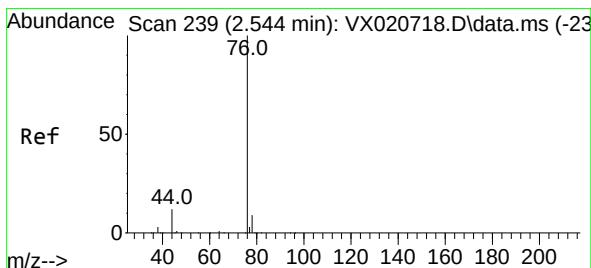
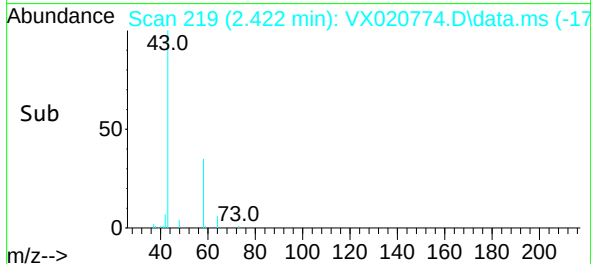
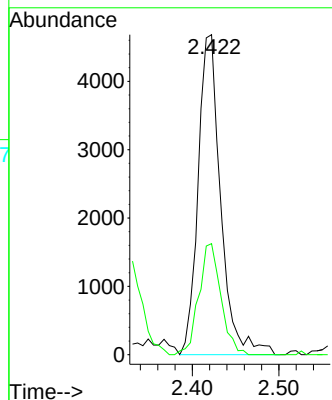
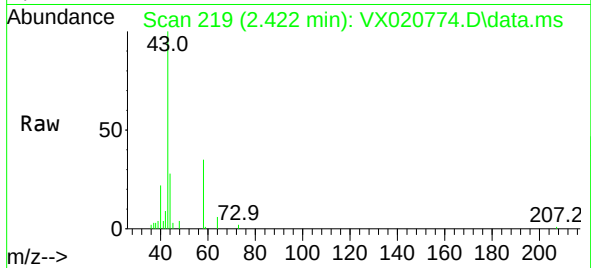




#16
Acetone
Concen: 5.44 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

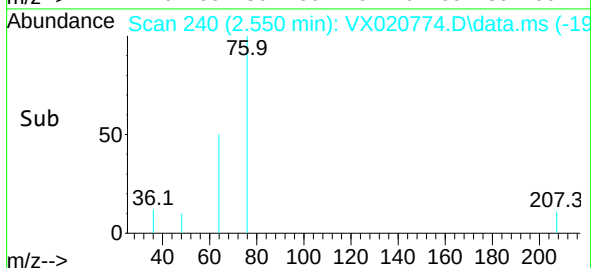
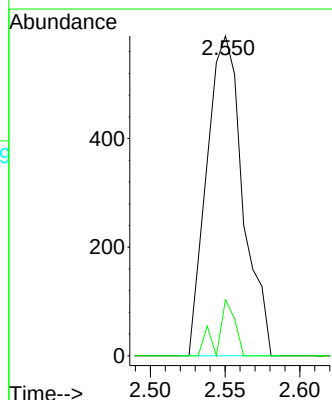
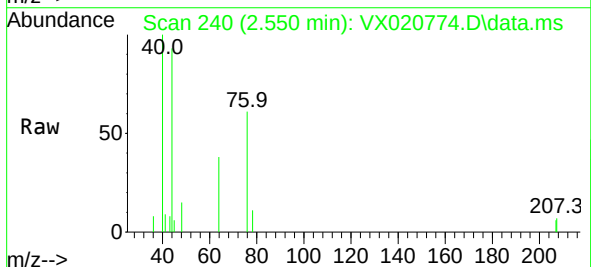
Instrument :
MSVOA_X
ClientSampled :

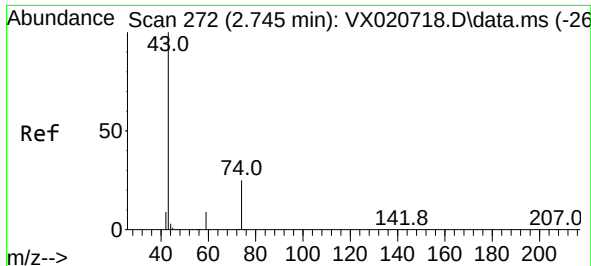
Tgt Ion: 43 Resp: 8481
Ion Ratio Lower Upper
43 100
58 34.7 27.8 41.8



#17
Carbon Disulfide
Concen: 1.01 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Tgt Ion: 76 Resp: 990
Ion Ratio Lower Upper
76 100
78 17.5 7.2 10.8#





#18

Methyl Acetate

Concen: 0.42 ug/l

RT: 2.745 min Scan# 272

Delta R.T. 0.000 min

Lab File: VX020774.D

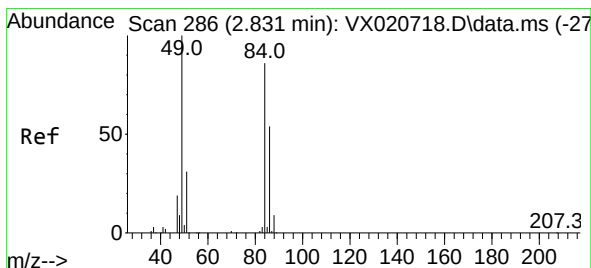
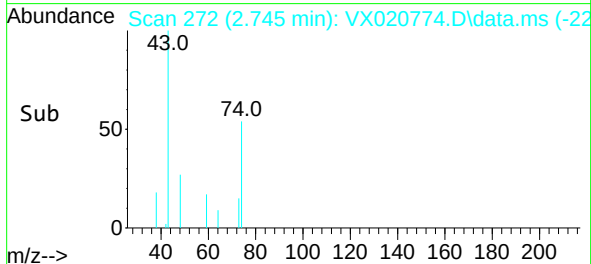
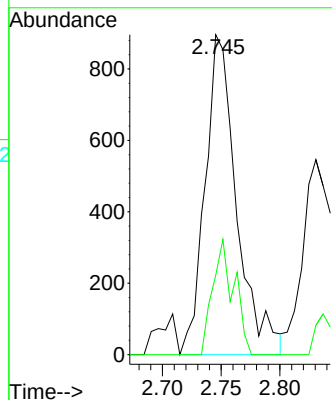
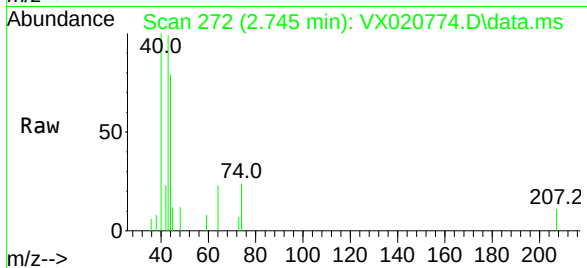
Acq: 27 Jan 2021 16:51

Tgt Ion: 43 Resp: 1673

Ion Ratio Lower Upper

43 100

74 24.5 21.9 32.9



#20

Methylene Chloride

Concen: 51.62 ug/l

RT: 2.837 min Scan# 287

Delta R.T. 0.006 min

Lab File: VX020774.D

Acq: 27 Jan 2021 16:51

Tgt Ion: 84 Resp: 203211

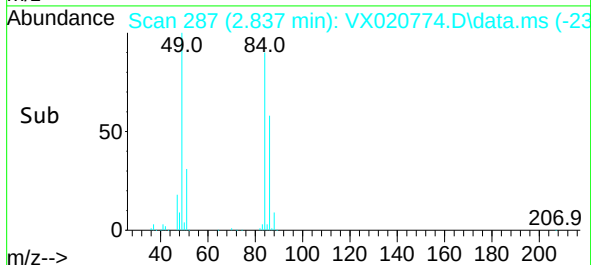
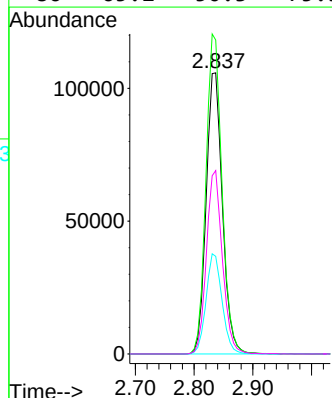
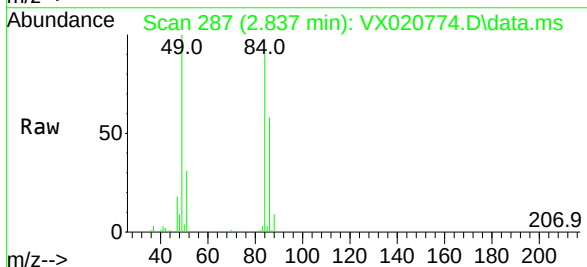
Ion Ratio Lower Upper

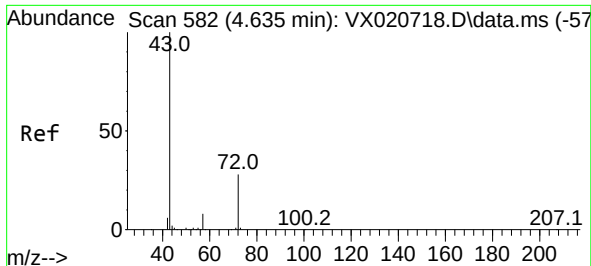
84 100

49 111.6 88.6 132.8

51 34.7 27.0 40.6

86 65.2 50.3 75.5

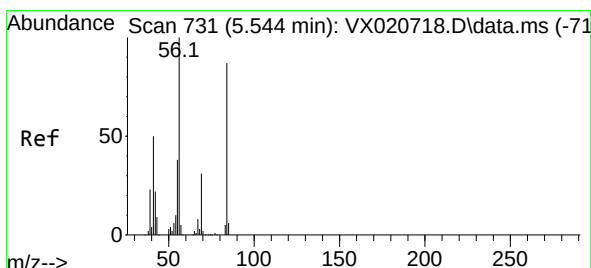
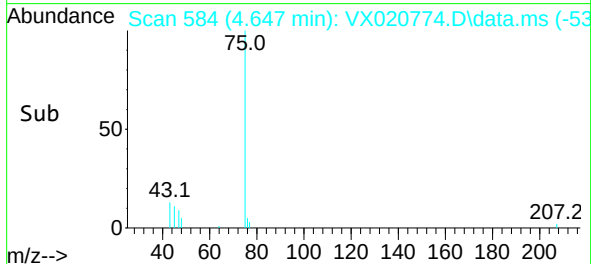
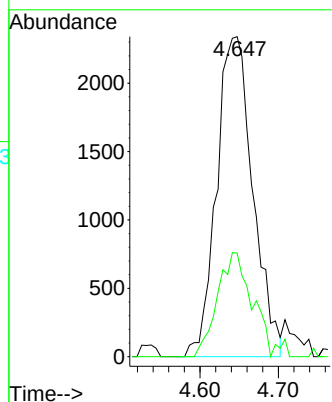
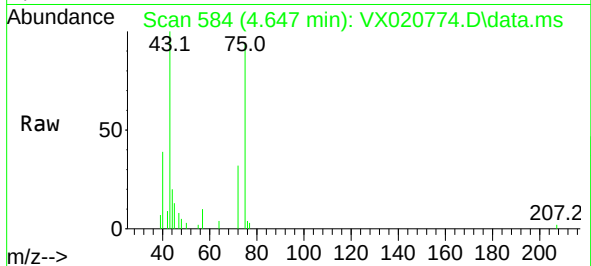




#25
2-Butanone
Concen: 3.08 ug/l
RT: 4.647 min Scan# 584
Delta R.T. 0.012 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

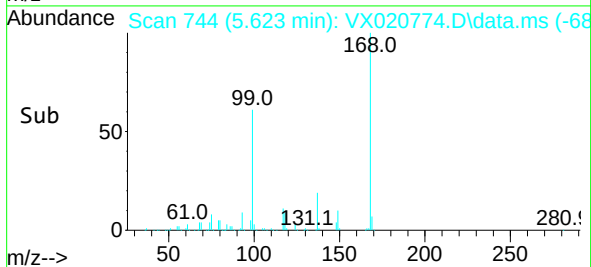
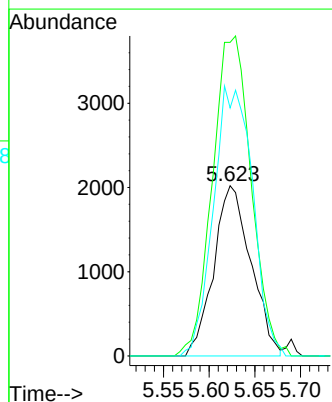
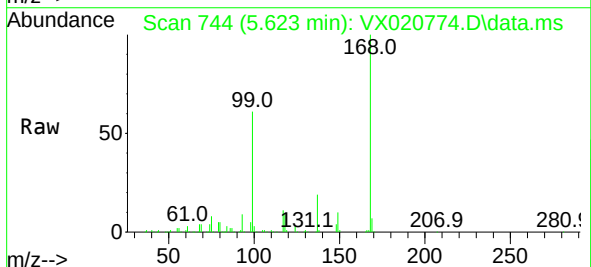
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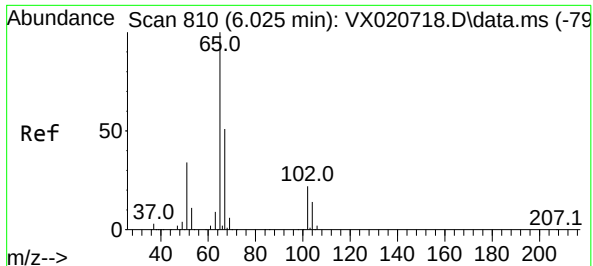
Tgt Ion: 43 Resp: 7523
Ion Ratio Lower Upper
43 100
72 32.4 23.7 35.5



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.079 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Tgt Ion: 56 Resp: 5730
Ion Ratio Lower Upper
56 100
69 181.7 25.3 37.9#
84 145.7 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.32 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020774.D

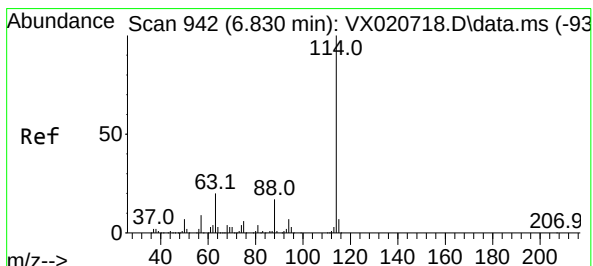
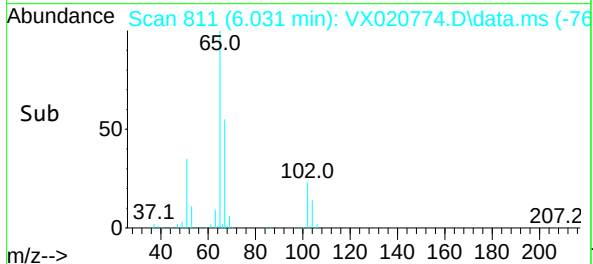
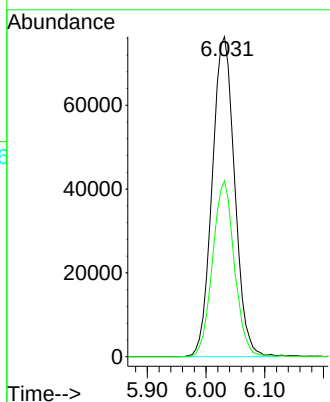
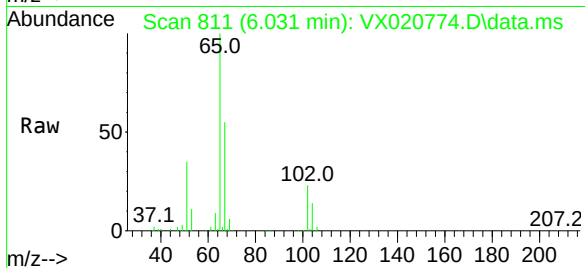
Acq: 27 Jan 2021 16:51

Tgt Ion: 65 Resp: 202926

Ion Ratio Lower Upper

65 100

67 53.3 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: VX020774.D

Acq: 27 Jan 2021 16:51

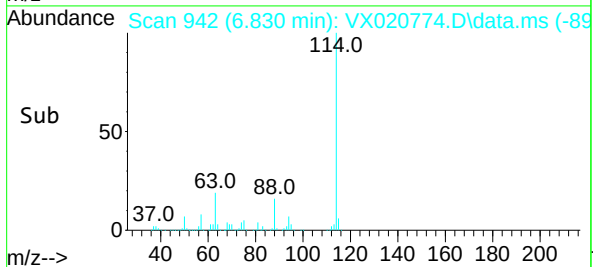
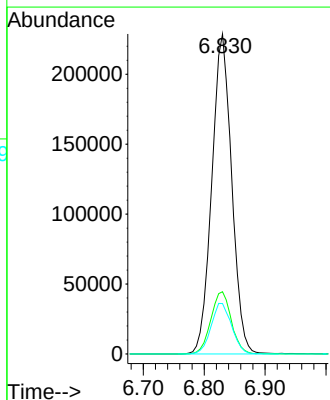
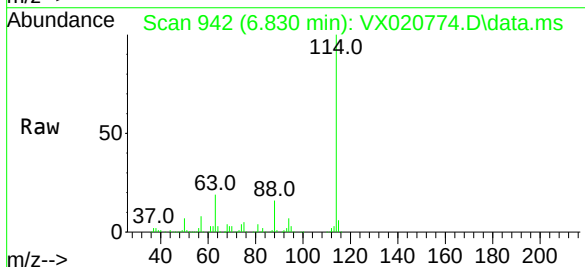
Tgt Ion: 114 Resp: 518068

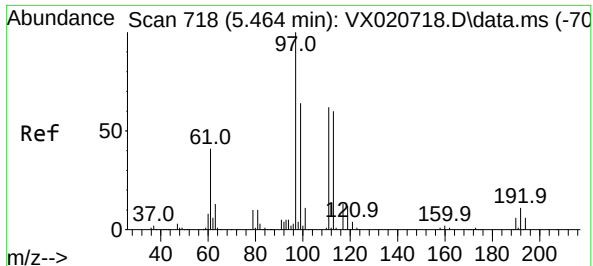
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

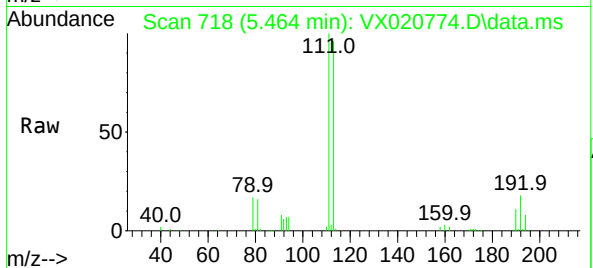
88 15.7 0.0 32.8



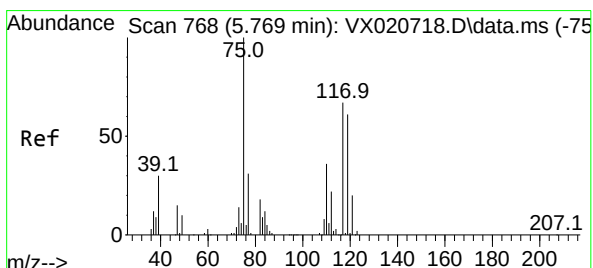
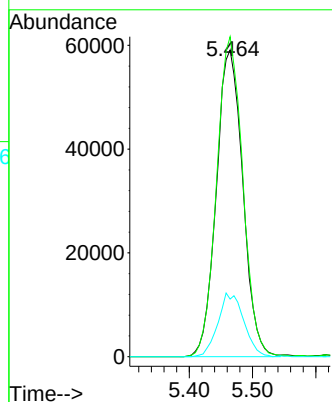
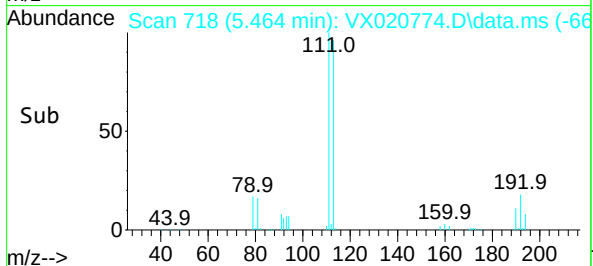


#35
Dibromofluoromethane
Concen: 48.39 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

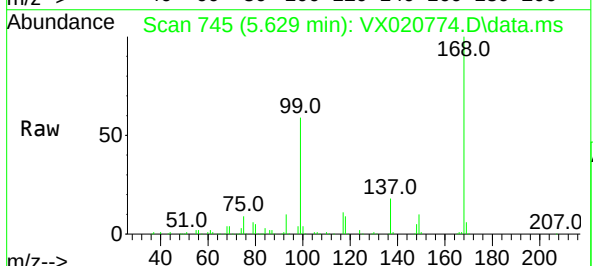
Instrument :
MSVOA_X
ClientSampled :



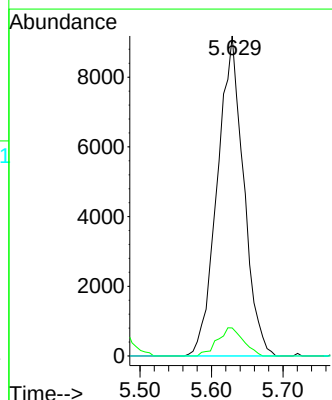
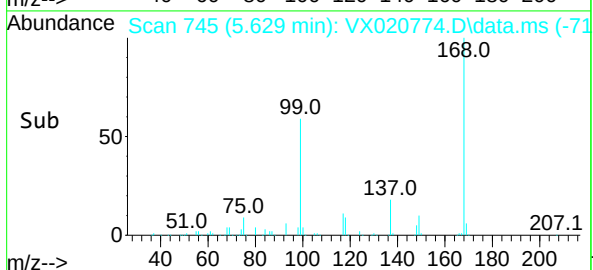
Tgt Ion:113 Resp: 171724
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.2 16.7 25.1

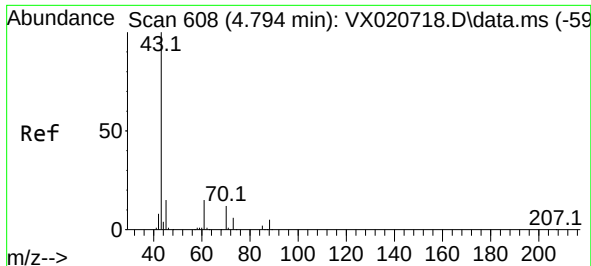


#36
1,1-Dichloropropene
Concen: 4.51 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51



Tgt Ion: 75 Resp: 23444
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.53 ug/l

RT: 4.647 min Scan# 584

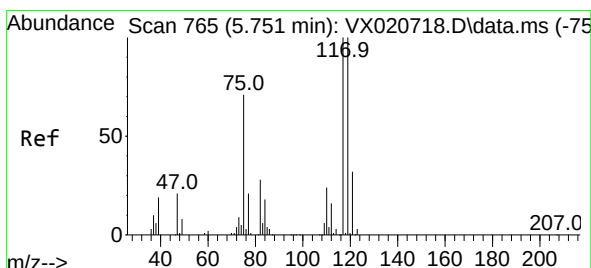
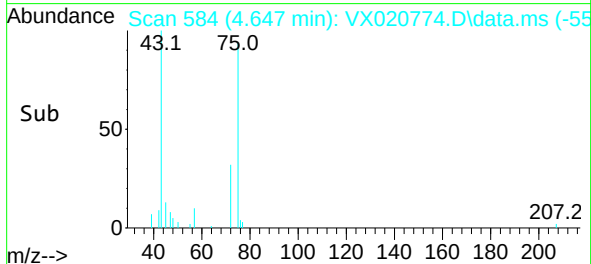
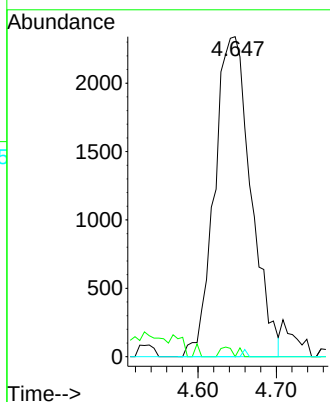
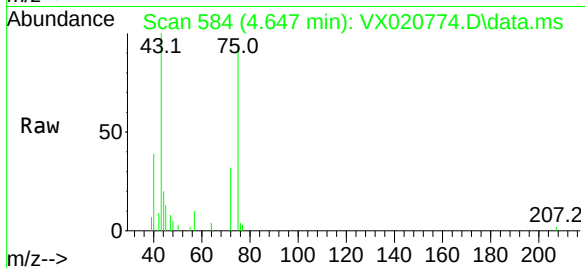
Delta R.T. -0.147 min

Lab File: VX020774.D

Acq: 27 Jan 2021 16:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	43	Resp:	7523
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.3	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.80 ug/l

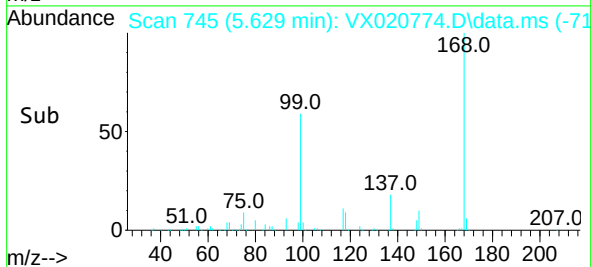
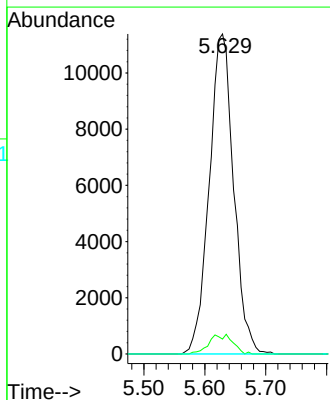
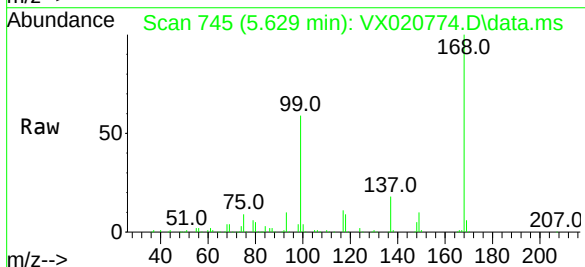
RT: 5.629 min Scan# 745

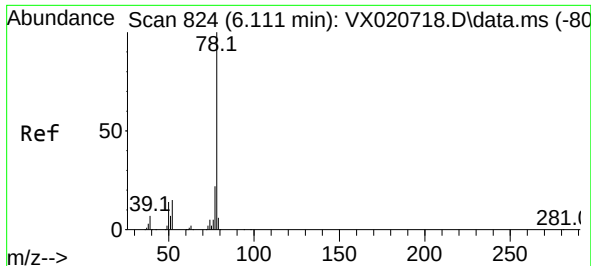
Delta R.T. -0.122 min

Lab File: VX020774.D

Acq: 27 Jan 2021 16:51

Tgt Ion:	117	Resp:	31711
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.2	114.2#
121	0.0	24.8	37.2#

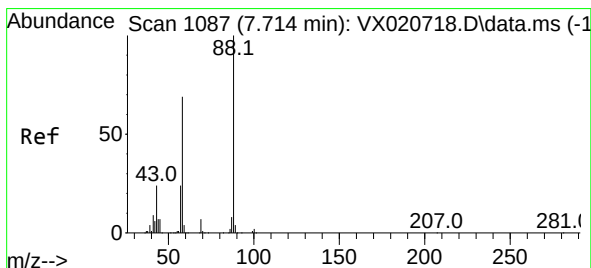
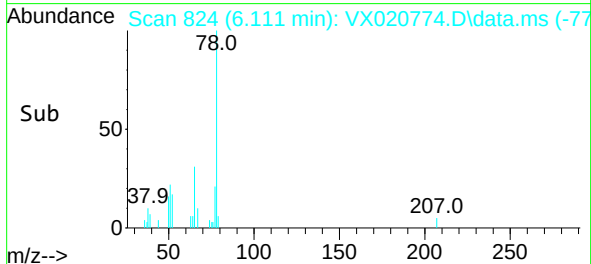
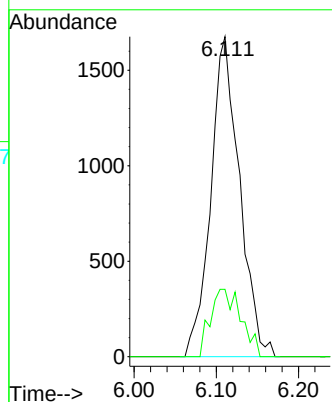
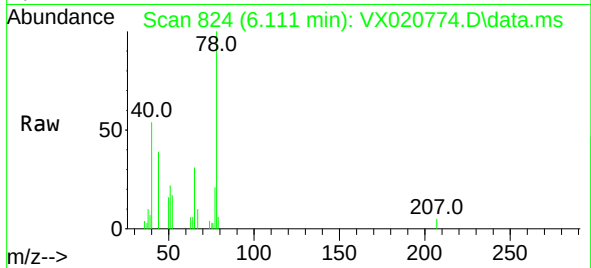




#40
Benzene
Concen: 0.27 ug/l
RT: 6.111 min Scan# 824
Delta R.T. -0.000 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

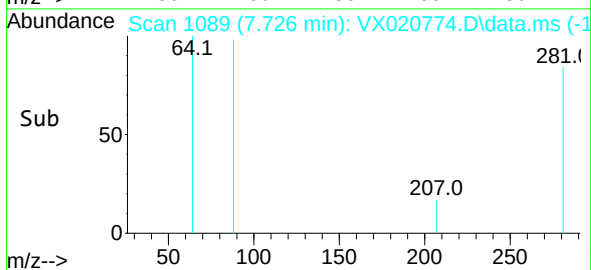
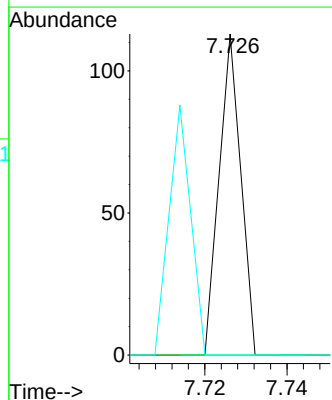
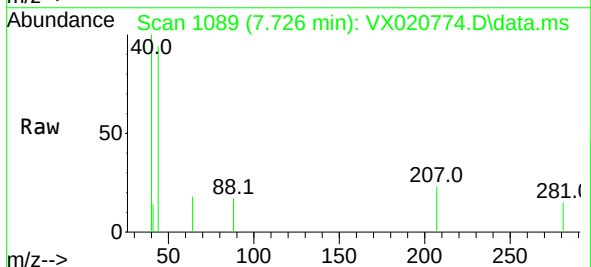
Instrument :
MSVOA_X
ClientSampled :

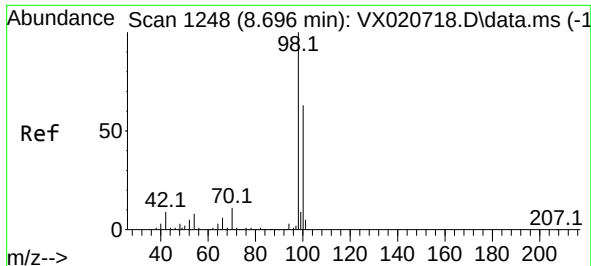
Tgt Ion: 78 Resp: 4072
Ion Ratio Lower Upper
78 100
77 21.1 18.9 28.3



#49
1,4-Dioxane
Concen: 0.44 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.012 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#

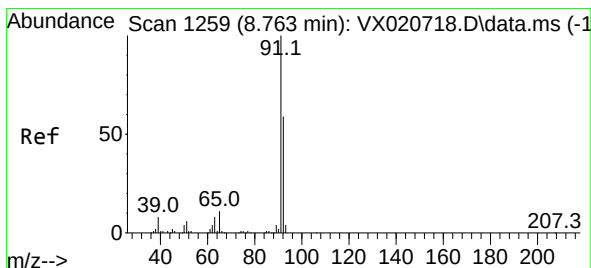
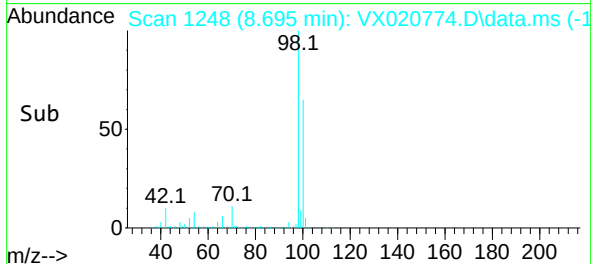
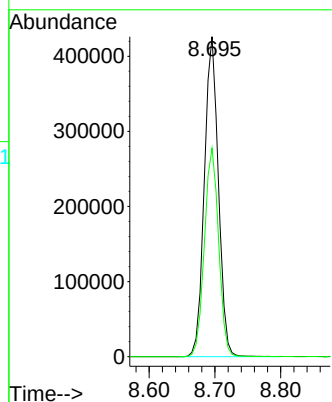
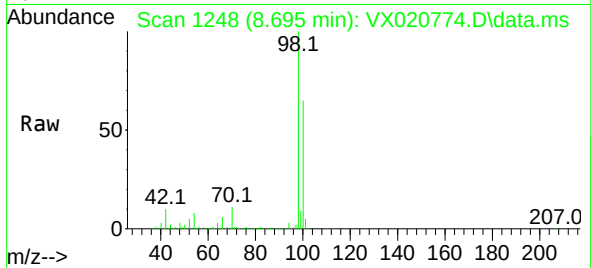




#50
Toluene-d8
Concen: 48.62 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

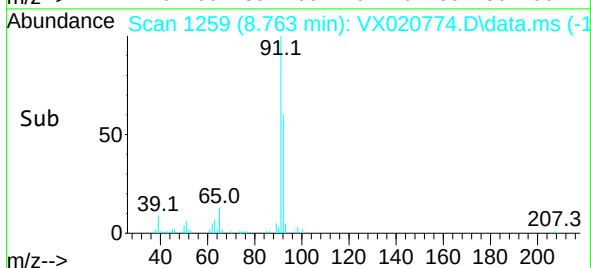
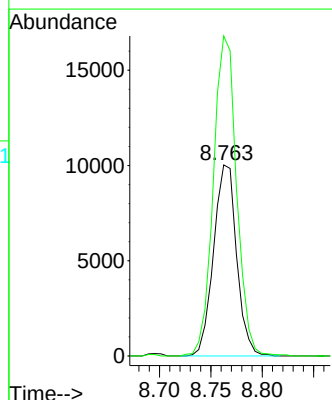
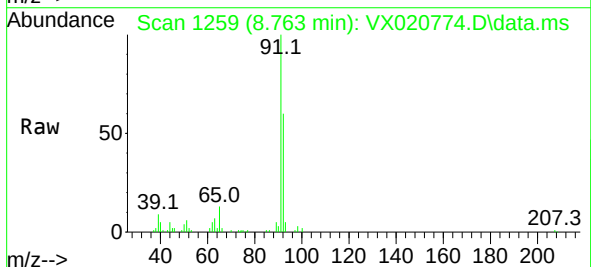
Instrument :
MSVOA_X
ClientSampleId :

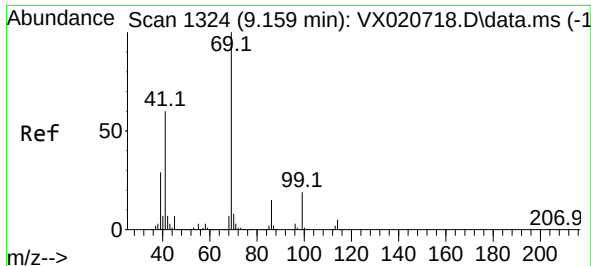
Tgt Ion: 98 Resp: 632534
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#52
Toluene
Concen: 1.62 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

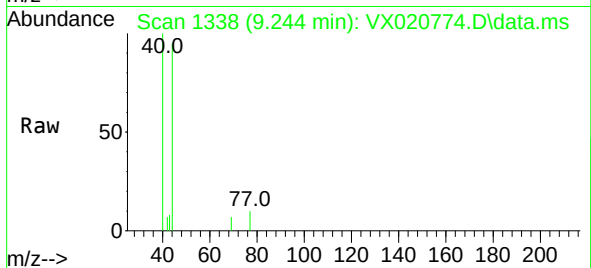
Tgt Ion: 92 Resp: 15633
Ion Ratio Lower Upper
92 100
91 169.0 137.1 205.7



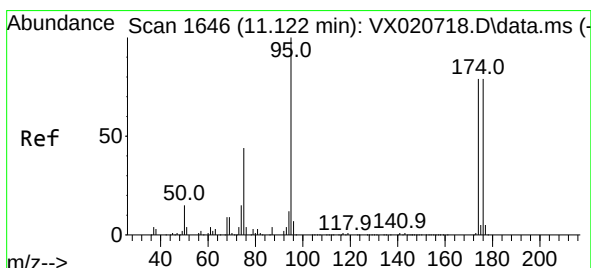
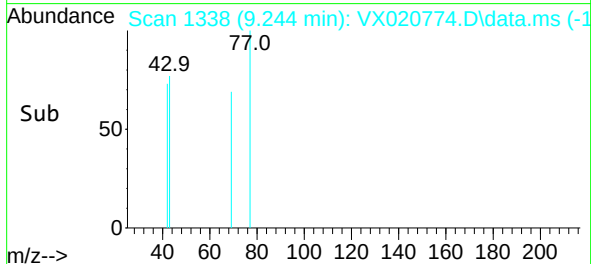
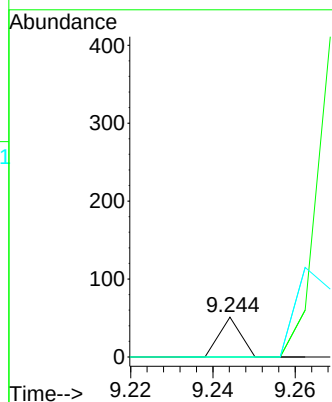


#56
Ethyl methacrylate
Concen: 2.79 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.085 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Instrument :
MSVOA_X
ClientSampleId :

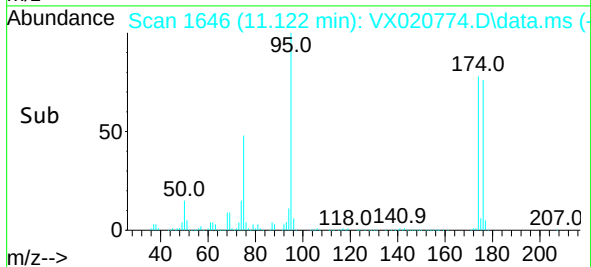
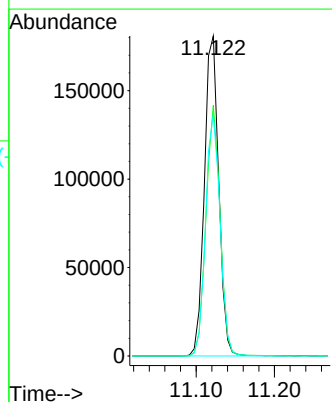
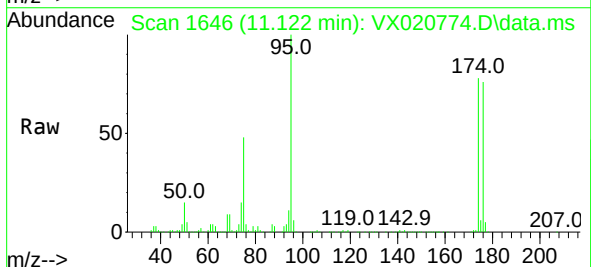


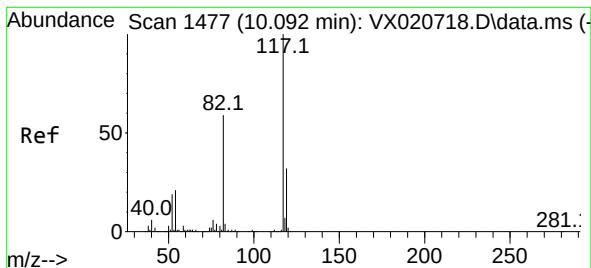
Tgt Ion: 69	Resp: 19
Ion Ratio	Lower Upper
69	100
41	0.0 46.8 70.2#
39	0.0 24.7 37.1#



#62
4-Bromofluorobenzene
Concen: 45.46 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Tgt Ion: 95	Resp: 229678
Ion Ratio	Lower Upper
95	100
174	77.1 0.0 154.6
176	76.4 0.0 155.8

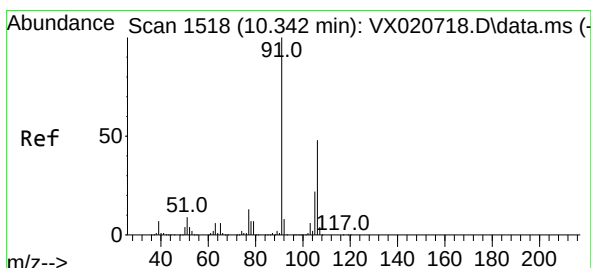
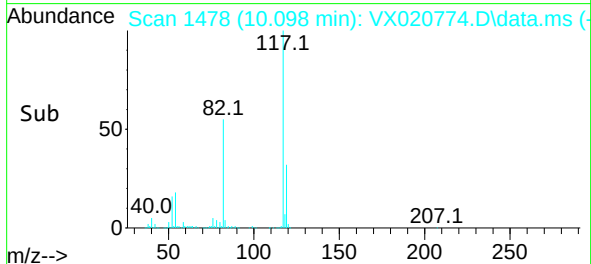
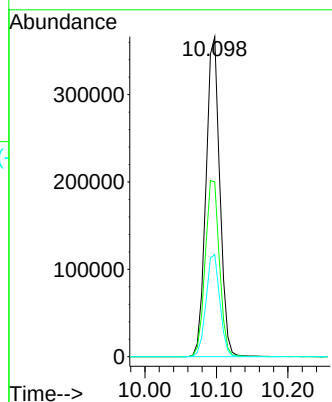
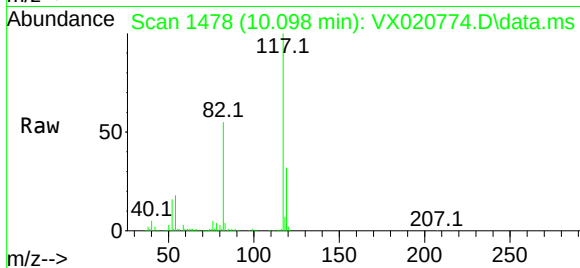




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

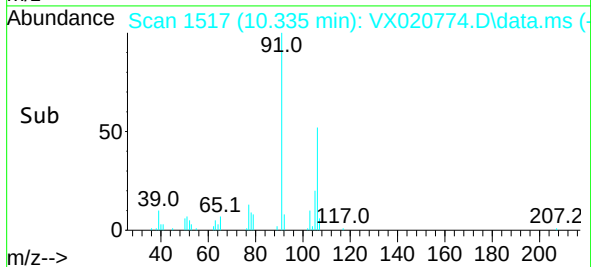
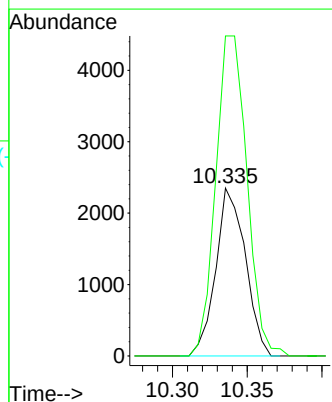
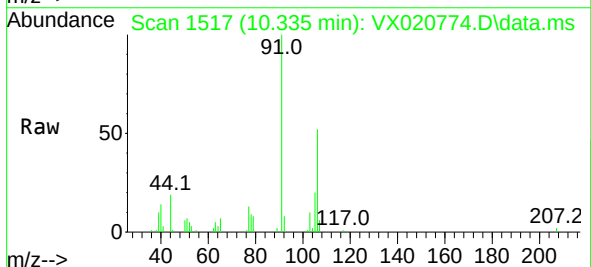
Instrument :
MSVOA_X
ClientSampled :

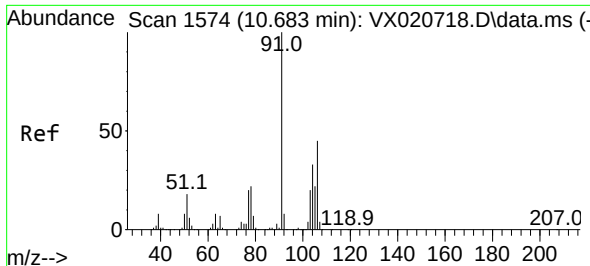
Tgt Ion:117 Resp: 492456
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 32.0 26.6 39.8



#68
m/p-Xylenes
Concen: 0.47 ug/l
RT: 10.335 min Scan# 1517
Delta R.T. -0.007 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Tgt Ion:106 Resp: 3227
Ion Ratio Lower Upper
106 100
91 202.0 162.8 244.2

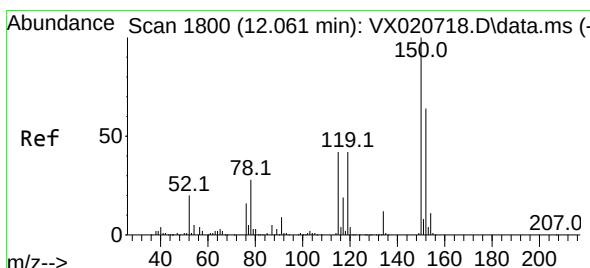
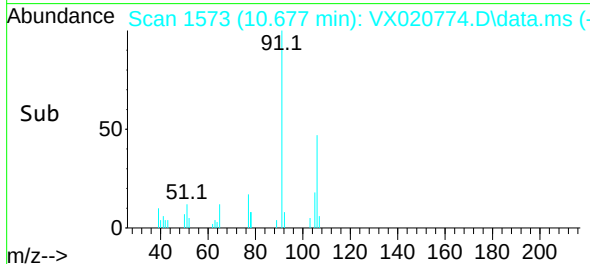
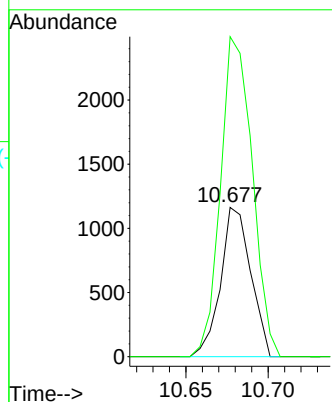
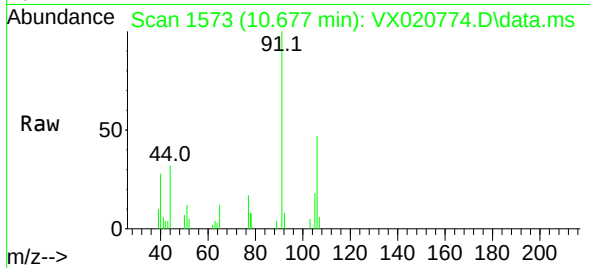




#69
o-Xylene
Concen: 0.23 ug/l
RT: 10.677 min Scan# 1573
Delta R.T. -0.006 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

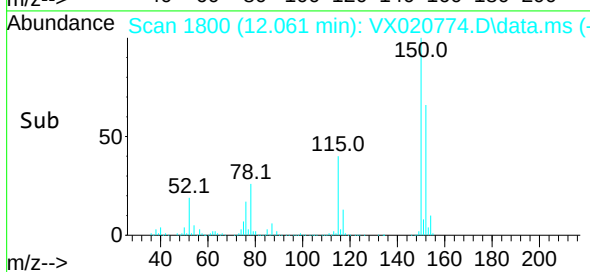
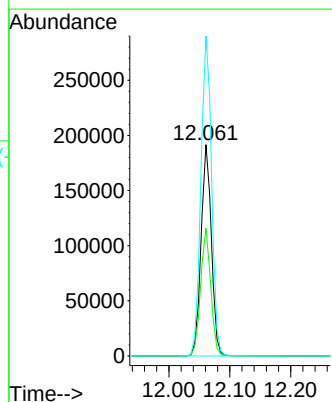
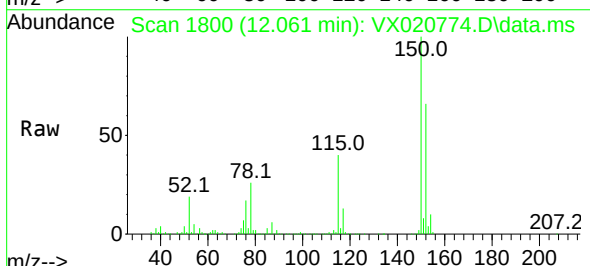
Instrument :
MSVOA_X
ClientSampled :

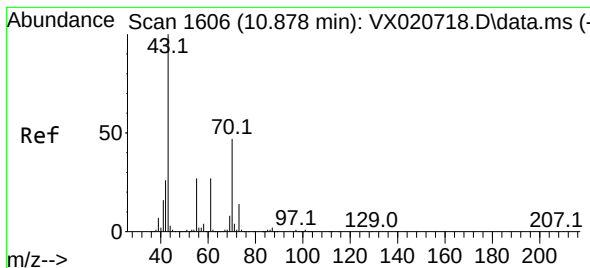
Tgt Ion:106 Resp: 1483
Ion Ratio Lower Upper
106 100
91 226.1 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

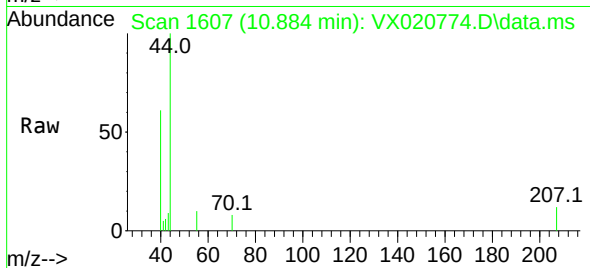
Tgt Ion:152 Resp: 224729
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 156.5 0.0 349.0



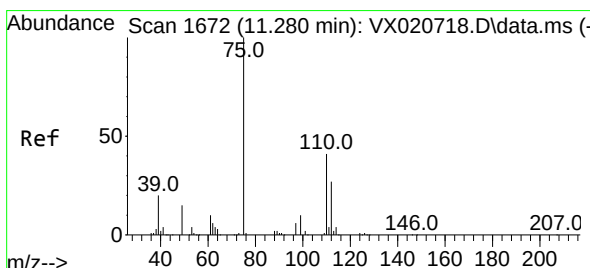
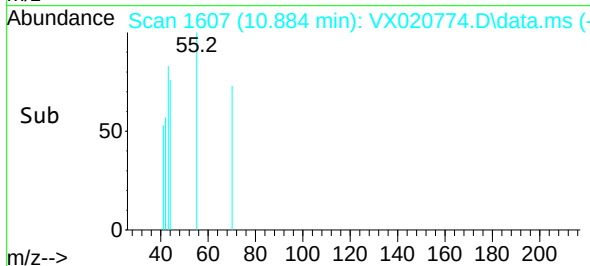
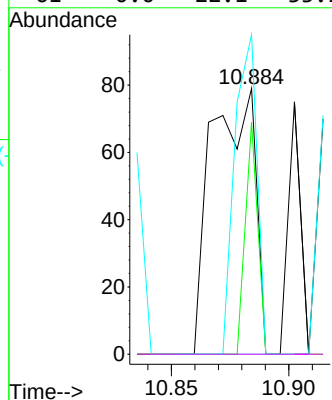


#74
N-amy1 acetate
Concen: 2.03 ug/l
RT: 10.884 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Instrument :
MSVOA_X
ClientSampleId :

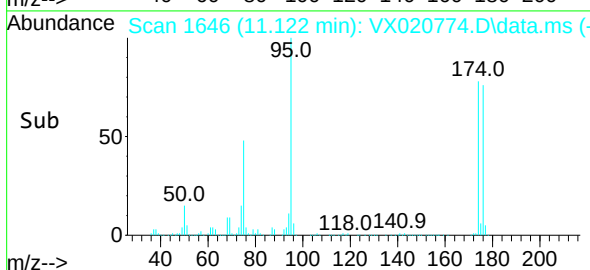
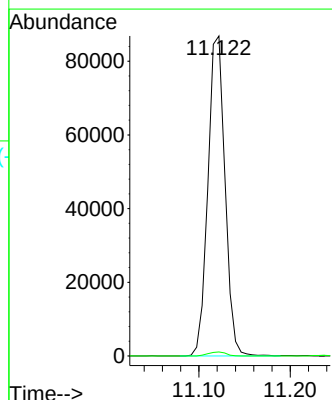
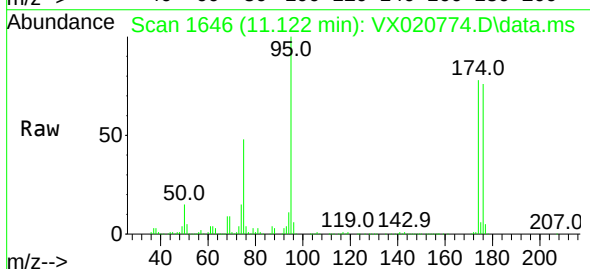


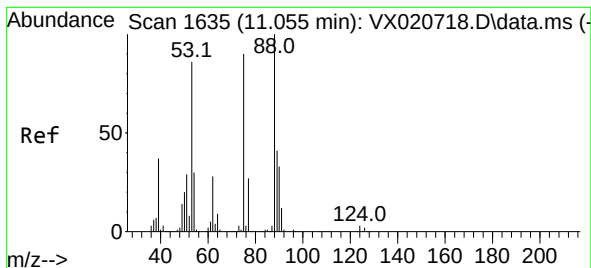
Tgt Ion: 43	Resp: 102
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	60.8 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.59 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

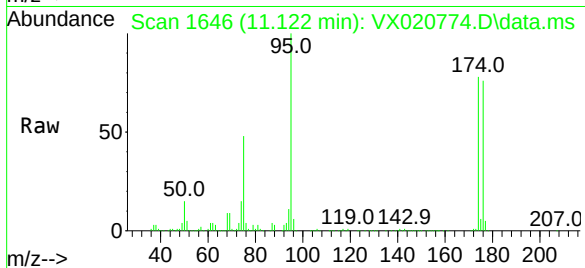
Tgt Ion: 75	Resp: 112513
Ion Ratio	Lower Upper
75	100
77	1.3 19.1 57.5#



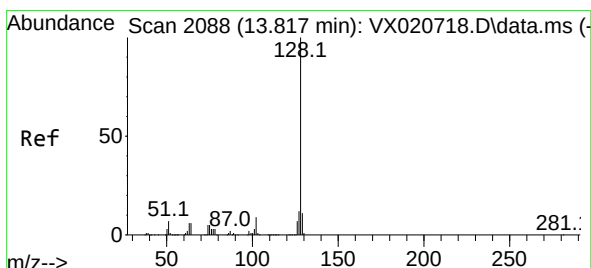
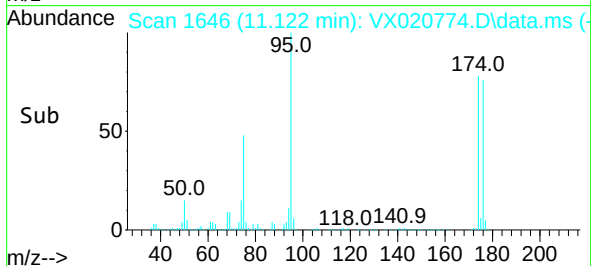
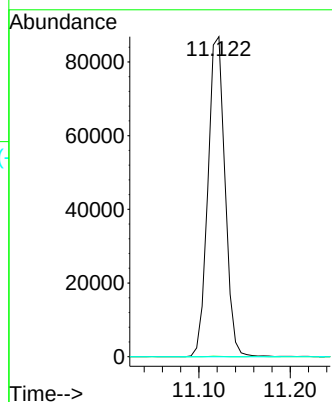


#81
trans-1,4-Dichloro-2-butene
Concen: 60.49 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 112513
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 3.20 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.001 min
Lab File: VX020774.D
Acq: 27 Jan 2021 16:51

Tgt Ion: 128 Resp: 5945
Ion Ratio Lower Upper
128 100
127 14.0 10.3 15.5
129 10.9 8.8 13.2

