

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012621\
 Data File : VX020747.D
 Acq On : 26 Jan 2021 12:47
 Operator : JC/SP
 Sample : M1192-05DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

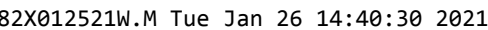
Quant Time: Jan 26 14:40:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

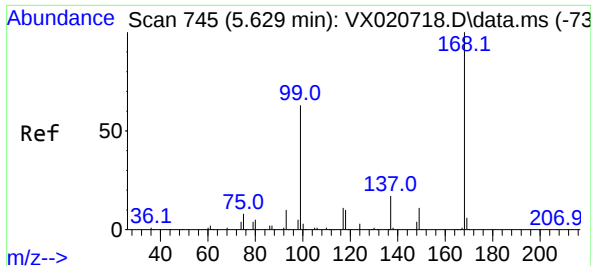
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.623	168	313751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	548696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	525818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	246119	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	214945	50.23	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.46%			
35) Dibromofluoromethane	5.464	113	182966	48.68	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.36%			
50) Toluene-d8	8.696	98	676294	49.08	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.16%			
62) 4-Bromofluorobenzene	11.116	95	254779	47.61	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.22%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	104	1.22	ug/l #	42
5) Bromomethane	1.636	94	589	0.28	ug/l	84
10) Methyl Iodide	2.495	142	1261	0.30	ug/l #	86
11) Tert butyl alcohol	2.995	59	5510	6.90	ug/l #	76
16) Acetone	2.416	43	6314	3.89	ug/l	95
17) Carbon Disulfide	2.550	76	1341	1.04	ug/l	96
25) 2-Butanone	4.641	43	1747	0.69	ug/l #	71
31) Cyclohexane	5.629	56	6388	1.11	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	25200	4.58	ug/l #	49
38) Carbon Tetrachloride	5.623	117	32043	5.53	ug/l #	17
52) Toluene	8.763	92	26544	2.60	ug/l	98
67) Ethyl Benzene	10.232	91	22588	1.15	ug/l	94
68) m/p-Xylenes	10.342	106	32215	4.38	ug/l	100
69) o-Xylene	10.683	106	17383	2.51	ug/l	97
74) N-amyl acetate	10.896	43	250	2.05	ug/l #	44
76) 1,2,3-Trichloropropane	11.116	75	125959	22.07	ug/l #	39
78) n-propylbenzene	11.341	91	10502	0.51	ug/l	98
79) 2-Chlorotoluene	11.415	91	6656	0.53	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.488	105	17637	1.16	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.116	75	125959	61.84	ug/l #	12
83) tert-Butylbenzene	11.793	119	6838	0.47	ug/l #	58
84) 1,2,4-Trimethylbenzene	11.786	105	57795	3.77	ug/l	98
89) n-Butylbenzene	12.366	91	6451	0.46	ug/l #	29
90) Hexachloroethane	12.573	117	1081	0.38	ug/l #	9
95) Naphthalene	13.817	128	18454	3.79	ug/l	99

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

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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

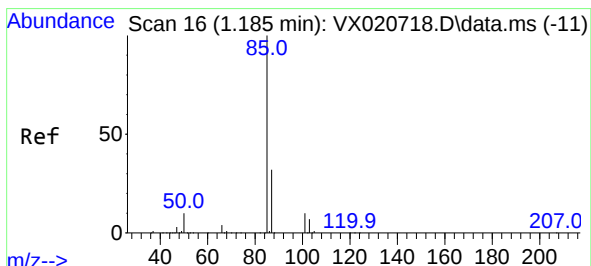
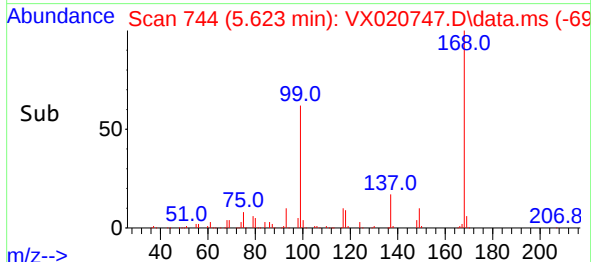
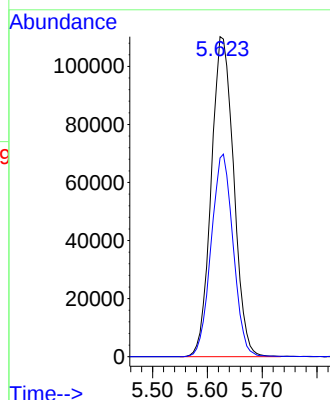
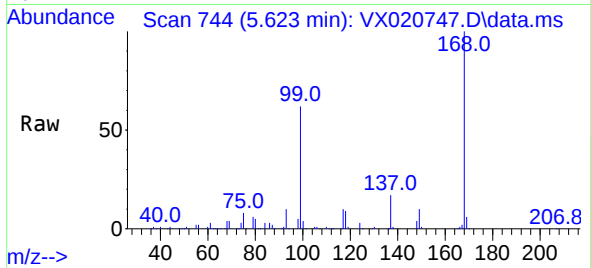




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.006 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

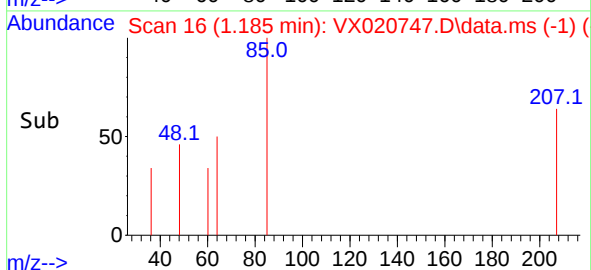
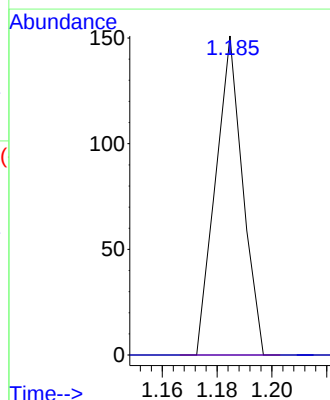
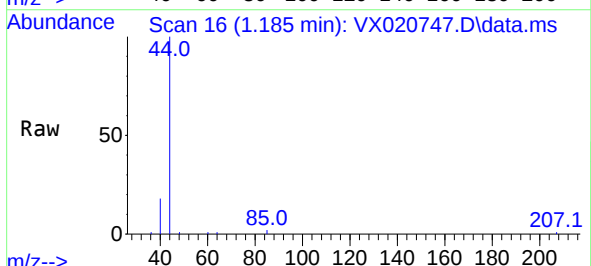
Instrument :
MSVOA_X
ClientSampleId :

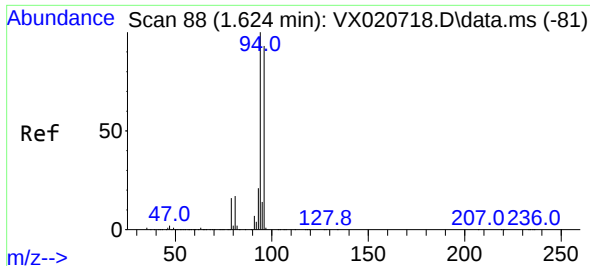
Tgt Ion:168 Resp: 313751
Ion Ratio Lower Upper
168 100
99 62.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.22 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 85 Resp: 104
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

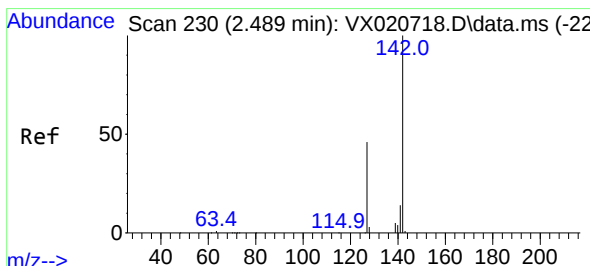
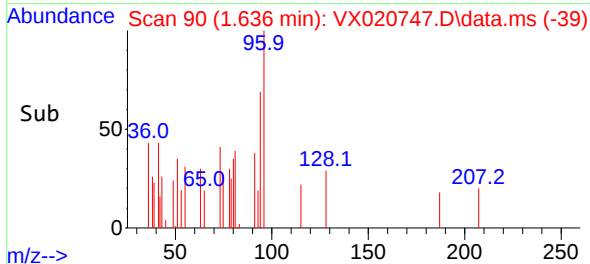
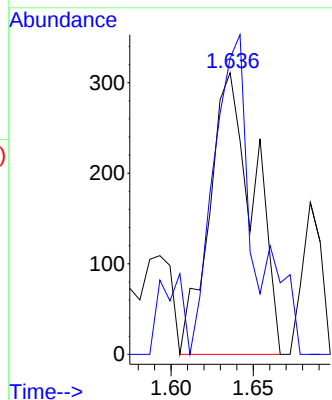
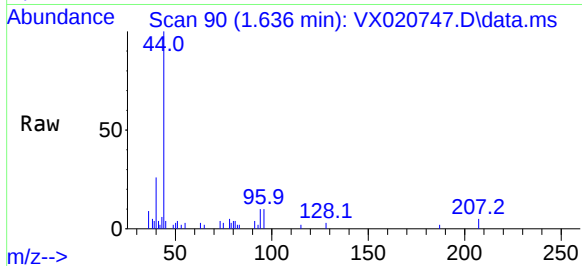




#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

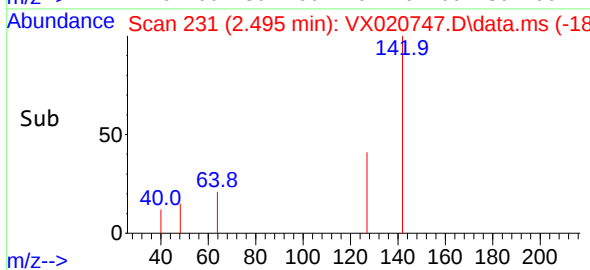
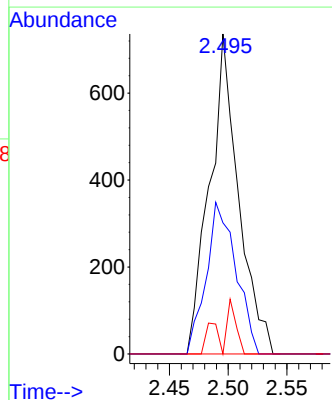
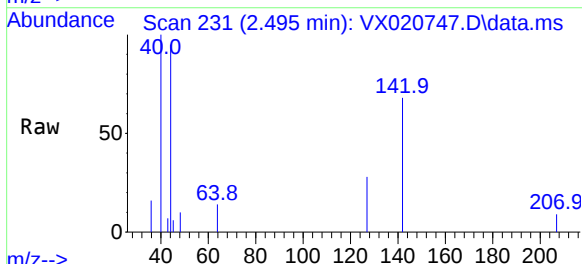
Instrument :
MSVOA_X
ClientSampled :

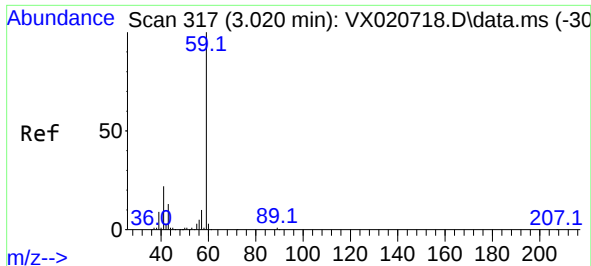
Tgt Ion: 94 Resp: 589
Ion Ratio Lower Upper
94 100
96 79.7 76.4 114.6



#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 142 Resp: 1261
Ion Ratio Lower Upper
142 100
127 48.7 33.3 49.9
141 5.3 11.4 17.0#



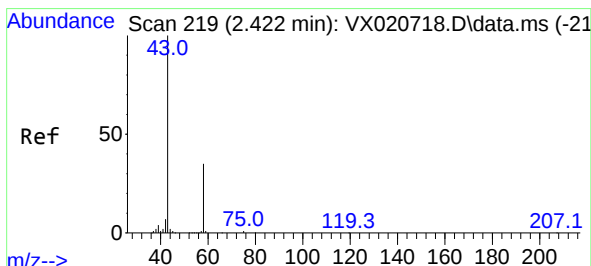
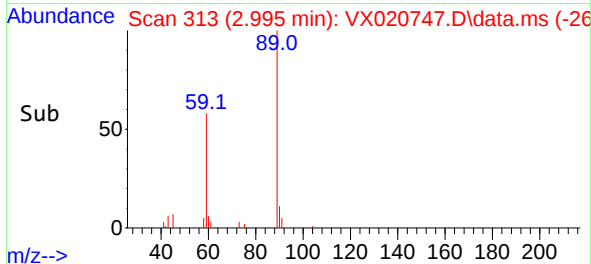
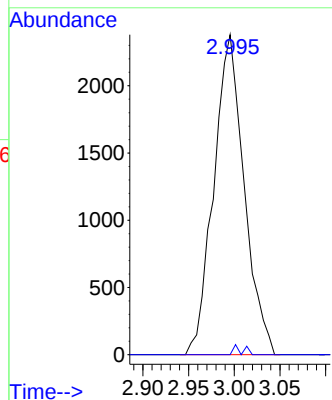
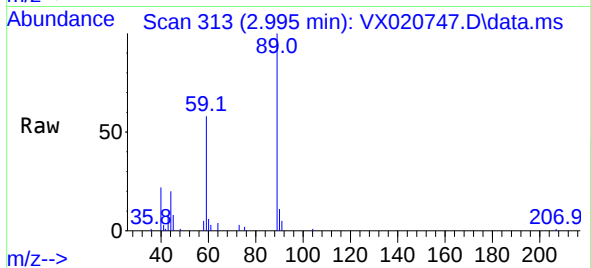


#11

Tert butyl alcohol
Concen: 6.90 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.025 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Instrument :
MSVOA_X
ClientSampled :

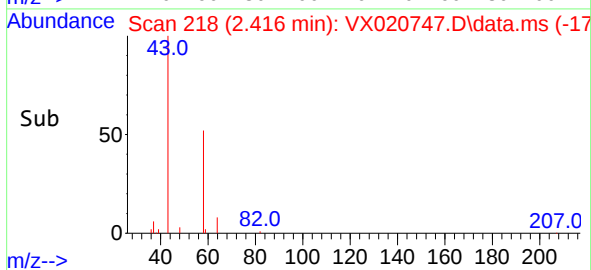
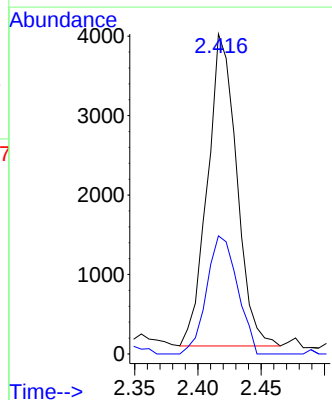
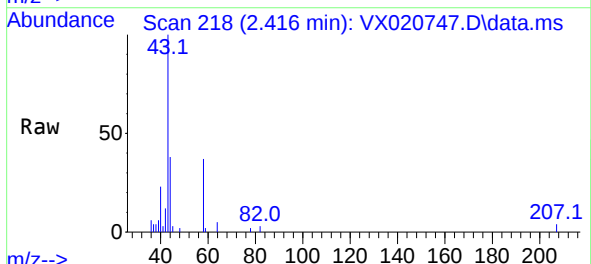
Tgt Ion: 59 Resp: 5510
Ion Ratio Lower Upper
59 100
57 0.9 7.8 11.8#

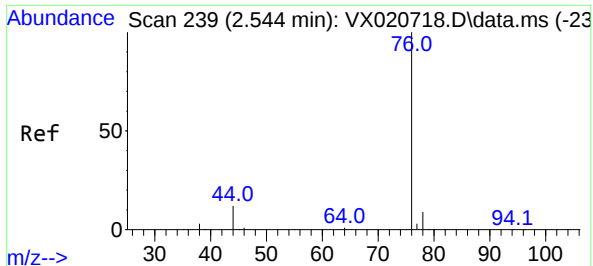


#16

Acetone
Concen: 3.89 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 43 Resp: 6314
Ion Ratio Lower Upper
43 100
58 37.8 27.8 41.8

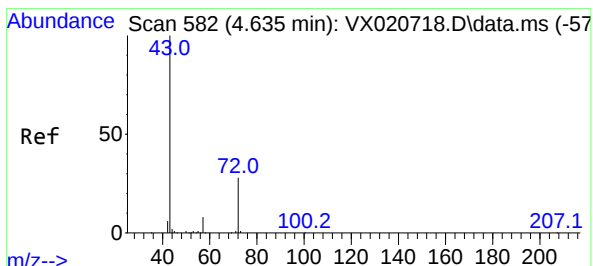
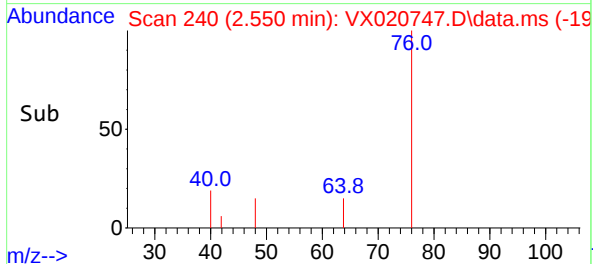
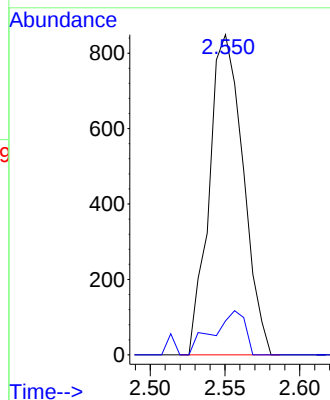
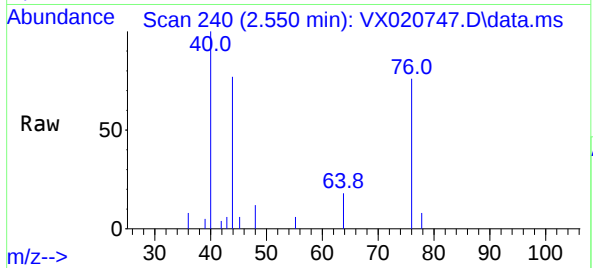




#17
Carbon Disulfide
Concen: 1.04 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

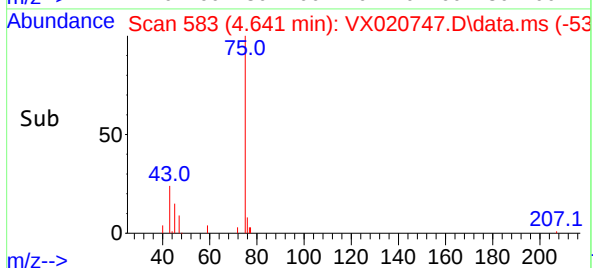
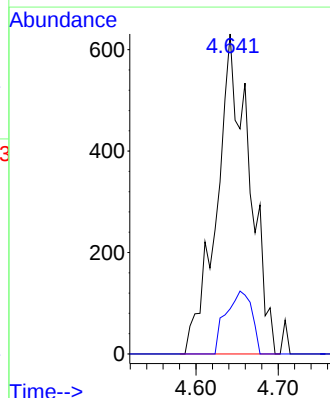
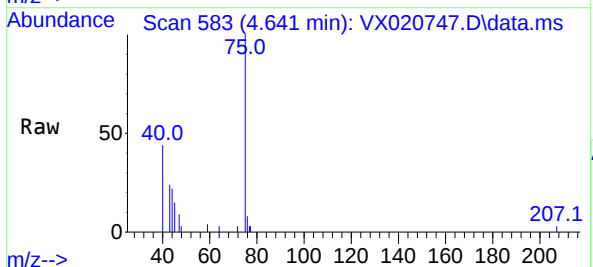
Instrument :
MSVOA_X
ClientSampled :

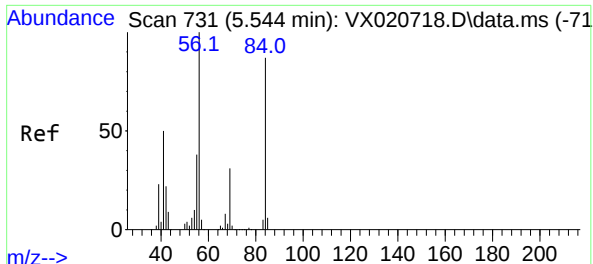
Tgt Ion: 76 Resp: 1341
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8



#25
2-Butanone
Concen: 0.69 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.006 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

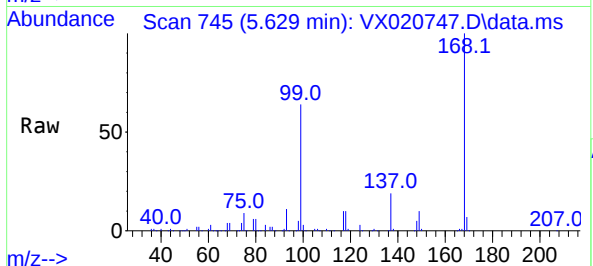
Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
72 14.1 23.7 35.5#



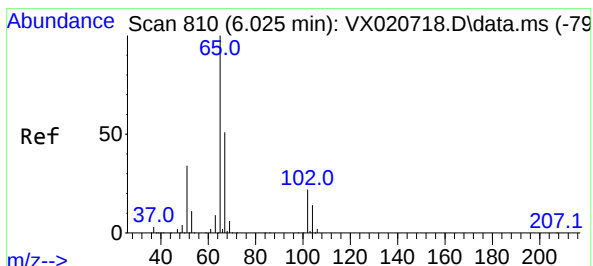
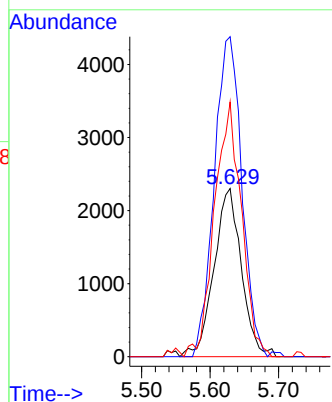
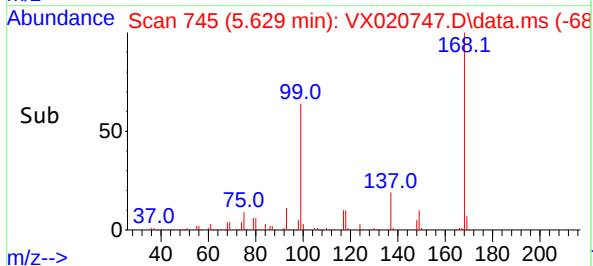


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.085 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

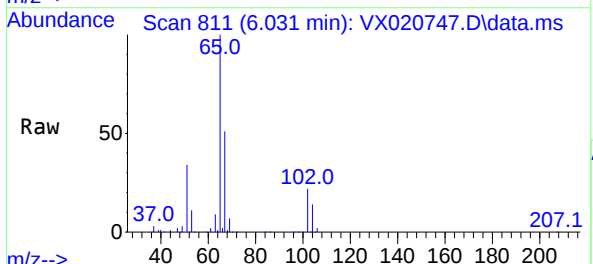
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MSVOA_X
ClientSampleId :



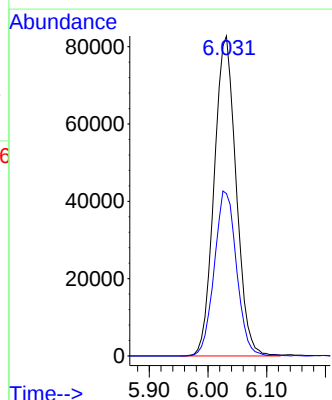
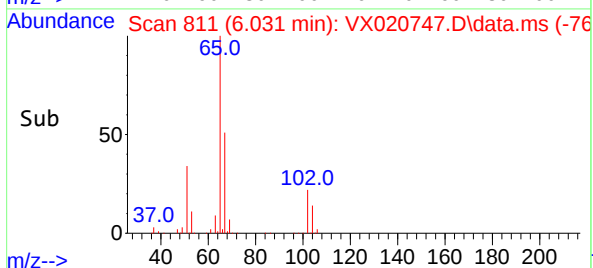
Tgt Ion: 56 Resp: 6388
Ion Ratio Lower Upper
56 100
69 190.4 25.3 37.9#
84 151.5 71.4 107.0#

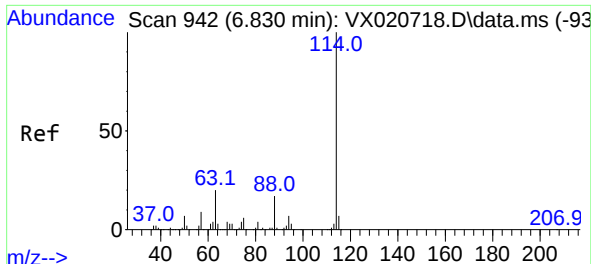


#33
1,2-Dichloroethane-d4
Concen: 50.23 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47



Tgt Ion: 65 Resp: 214945
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4

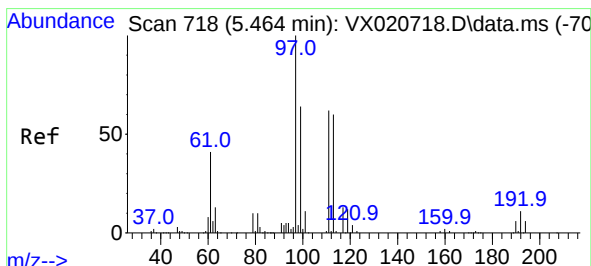
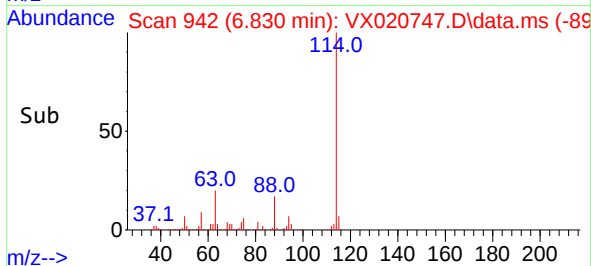
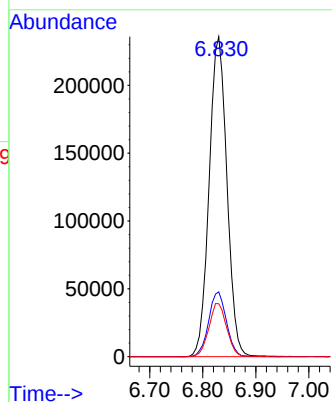
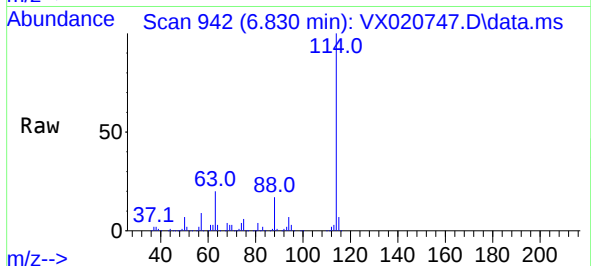




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

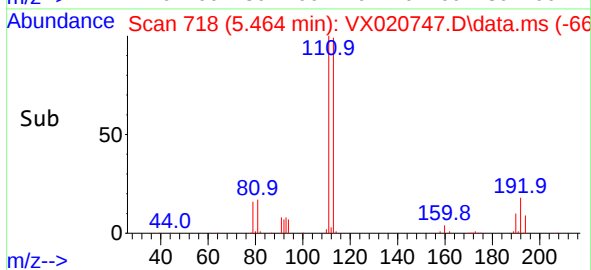
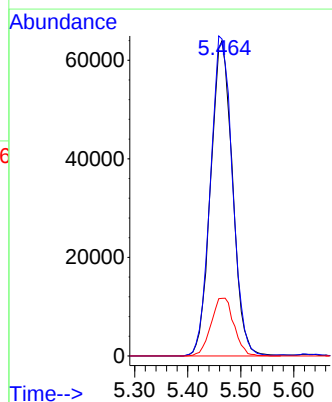
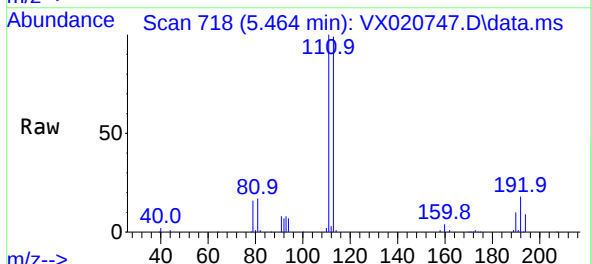
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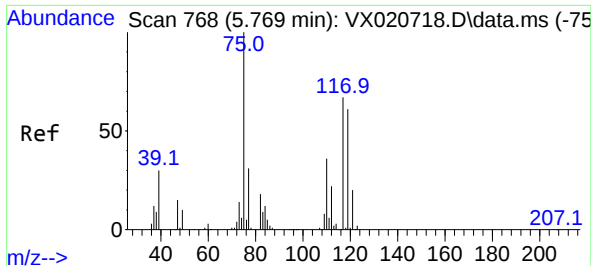
Tgt Ion:114 Resp: 548696
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.68 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion:113 Resp: 182966
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 19.2 16.7 25.1

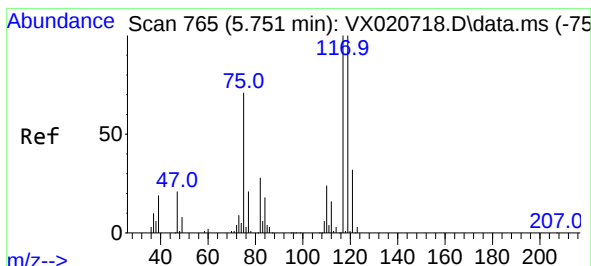
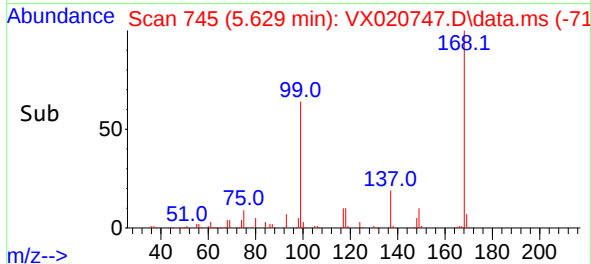
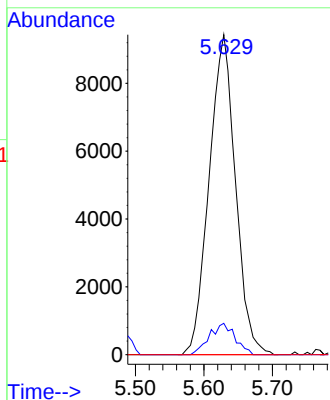
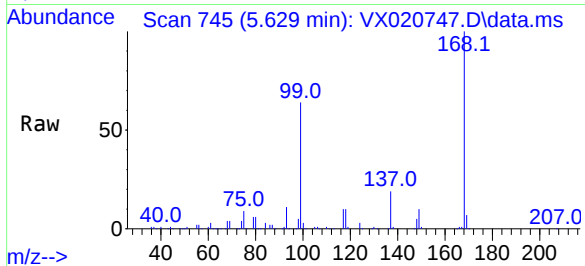




#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

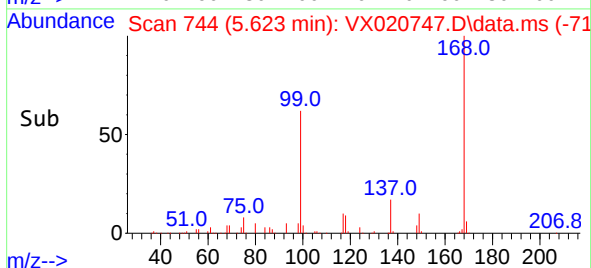
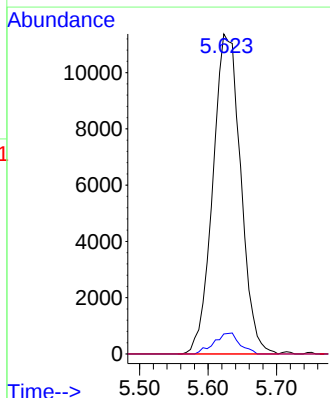
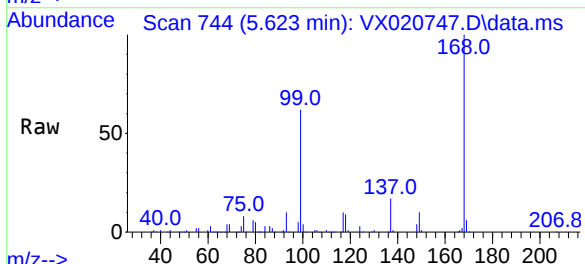
Instrument :
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ClientSampled :

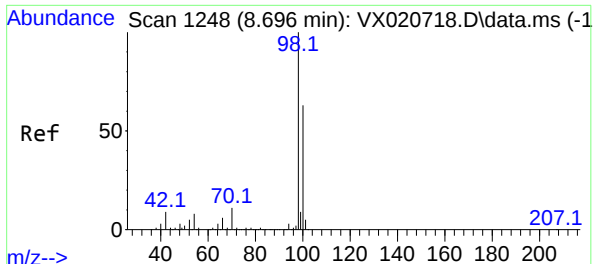
Tgt Ion: 75 Resp: 25200
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.53 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 117 Resp: 32043
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

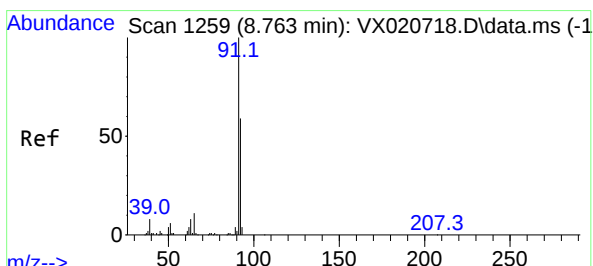
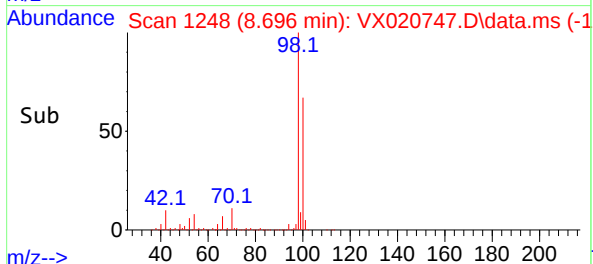
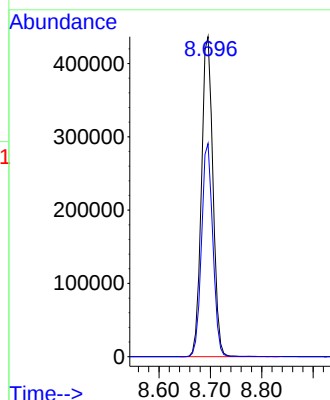
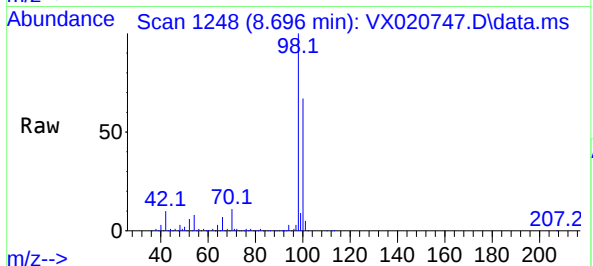




#50
Toluene-d8
Concen: 49.08 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

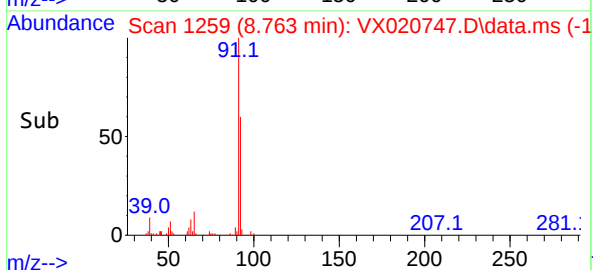
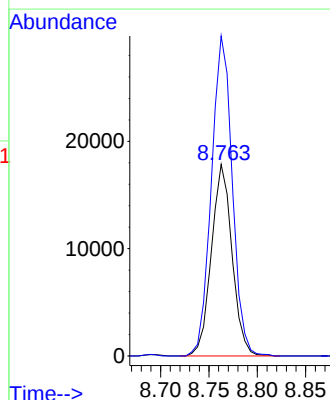
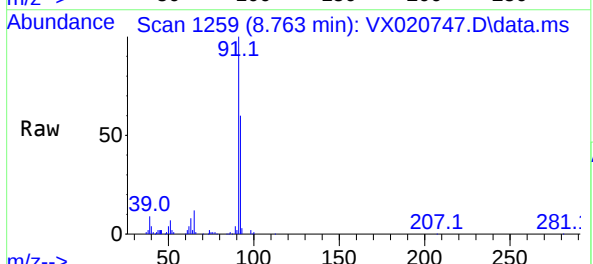
Instrument :
MSVOA_X
ClientSampled :

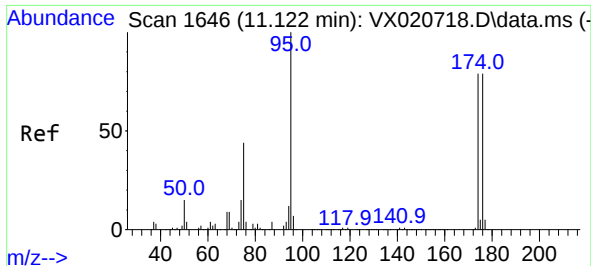
Tgt Ion: 98 Resp: 676294
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



#52
Toluene
Concen: 2.60 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 92 Resp: 26544
Ion Ratio Lower Upper
92 100
91 168.7 137.1 205.7

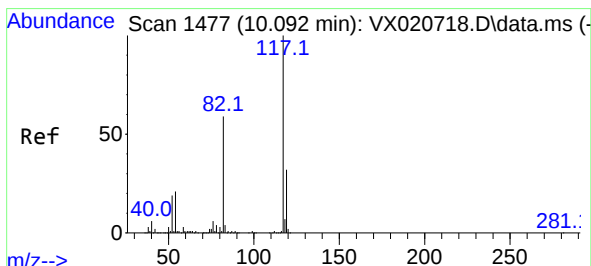
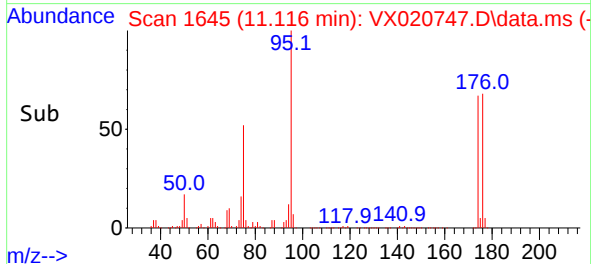
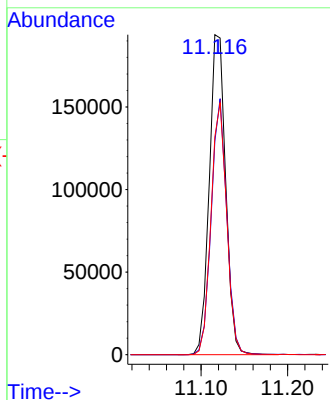
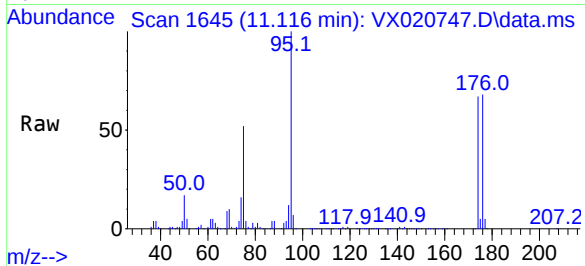




#62
4-Bromofluorobenzene
Concen: 47.61 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.006 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

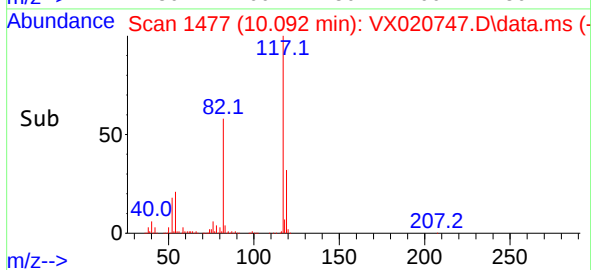
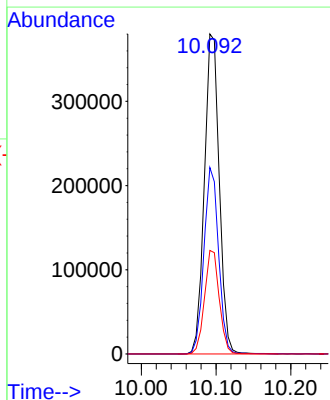
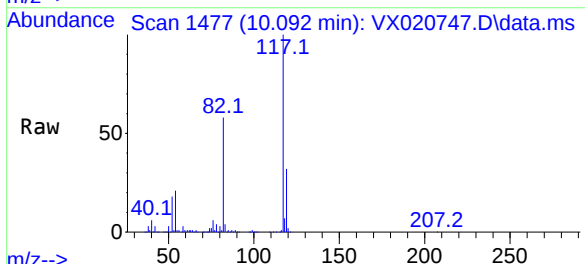
Instrument :
MSVOA_X
ClientSampleId :

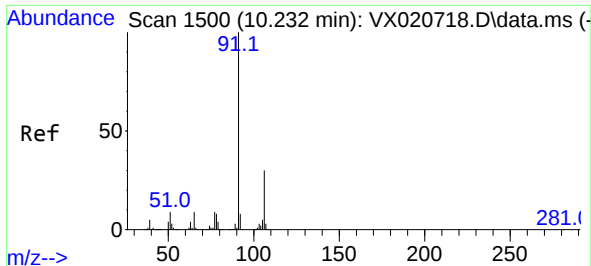
Tgt Ion: 95 Resp: 254779
Ion Ratio Lower Upper
95 100
174 75.7 0.0 154.6
176 75.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 117 Resp: 525818
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.3 26.6 39.8

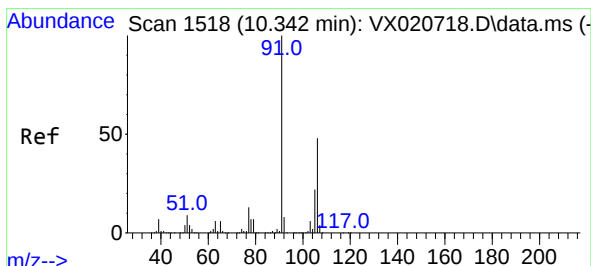
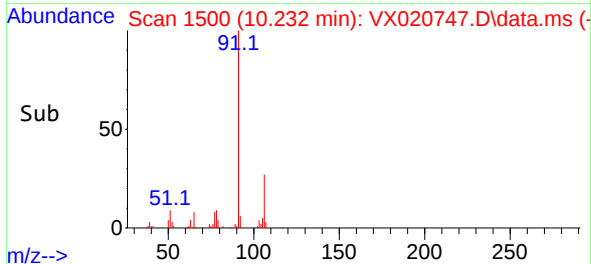
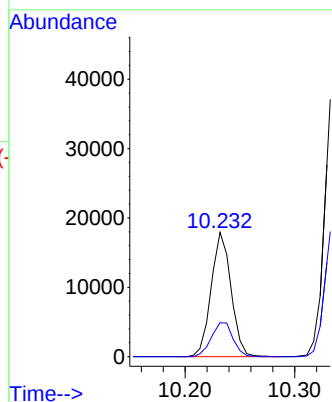
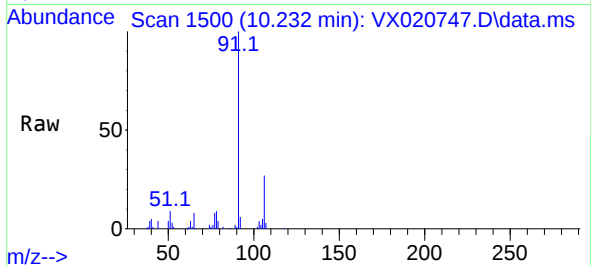




#67
Ethyl Benzene
Concen: 1.15 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

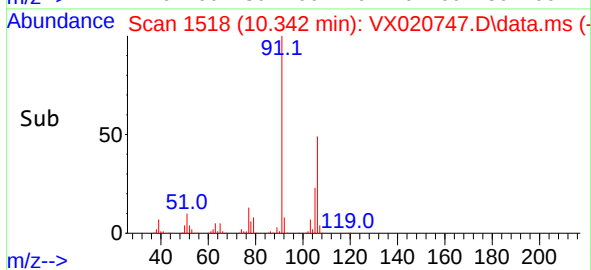
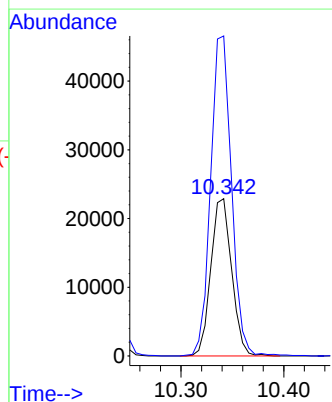
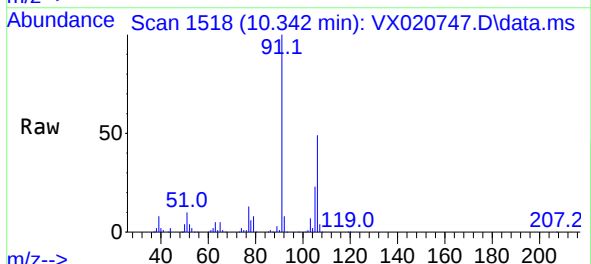
Instrument :
MSVOA_X
ClientSampled :

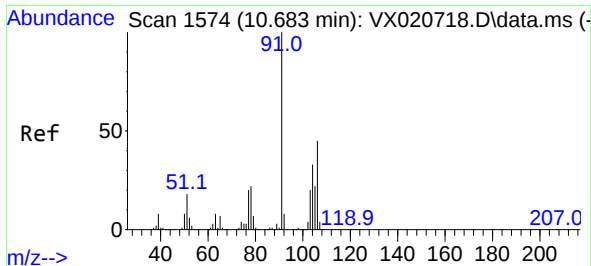
Tgt Ion: 91 Resp: 22588
Ion Ratio Lower Upper
91 100
106 27.3 24.6 37.0



#68
m/p-Xylenes
Concen: 4.38 ug/l
RT: 10.342 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 106 Resp: 32215
Ion Ratio Lower Upper
106 100
91 203.7 162.8 244.2

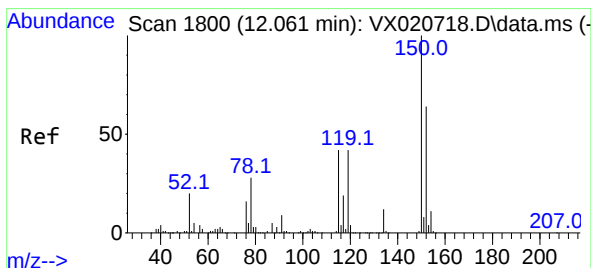
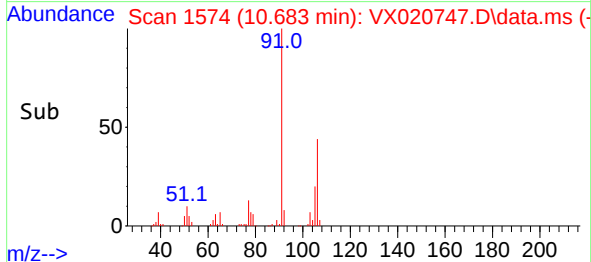
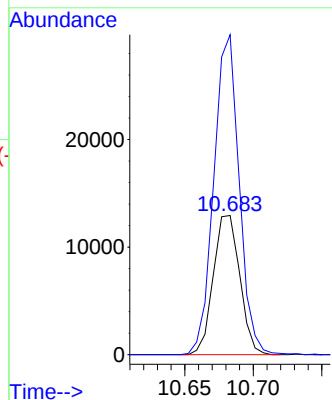
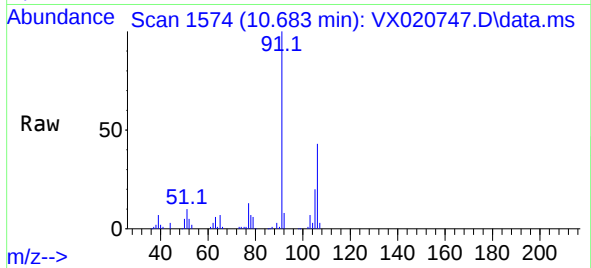




#69
o-Xylene
Concen: 2.51 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

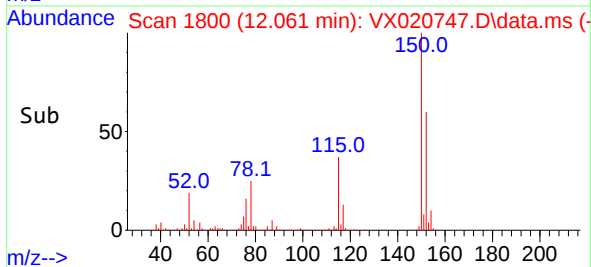
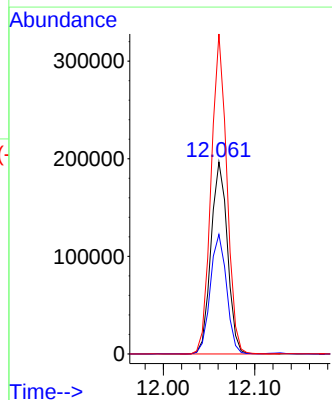
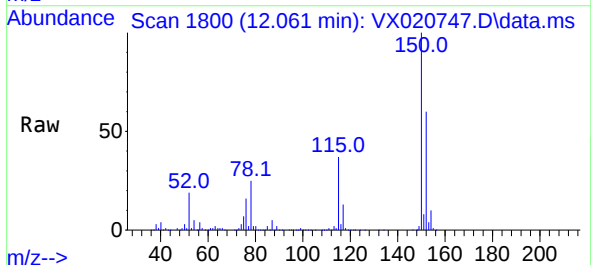
Instrument :
MSVOA_X
ClientSampled :

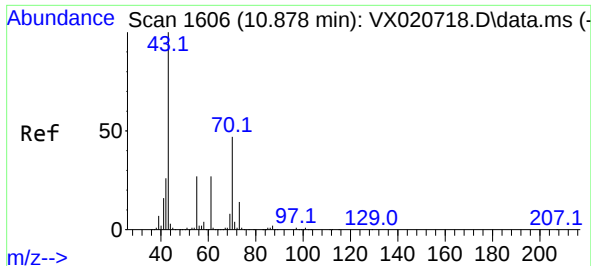
Tgt Ion:106 Resp: 17383
Ion Ratio Lower Upper
106 100
91 220.7 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

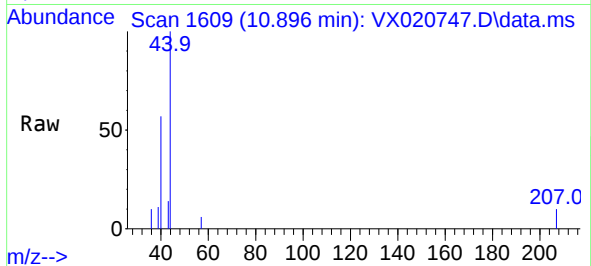
Tgt Ion:152 Resp: 246119
Ion Ratio Lower Upper
152 100
115 61.6 41.1 123.3
150 158.7 0.0 349.0





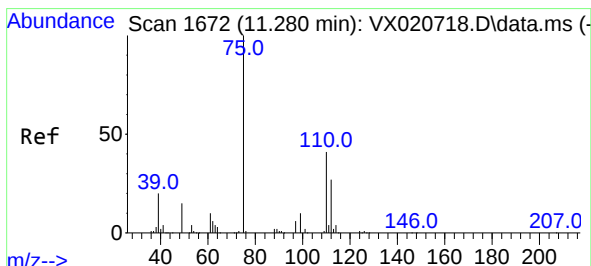
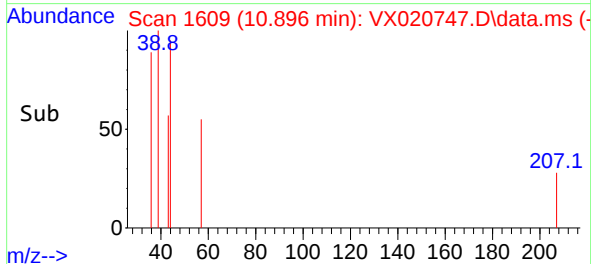
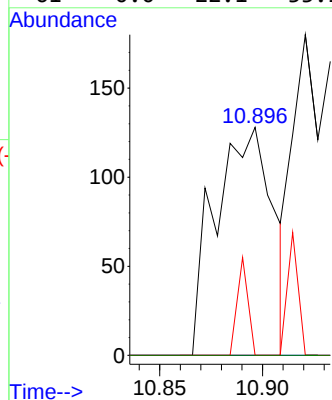
#74
N-amy1 acetate
Concen: 2.05 ug/l
RT: 10.896 min Scan# 1609
Delta R.T. 0.018 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 43 Resp: 250

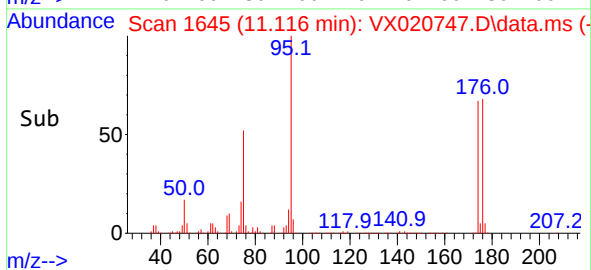
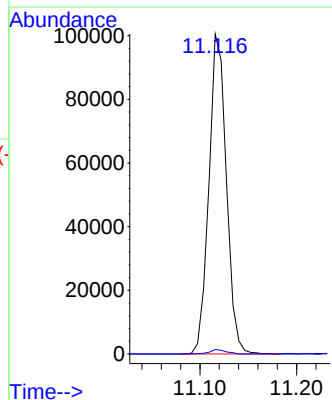
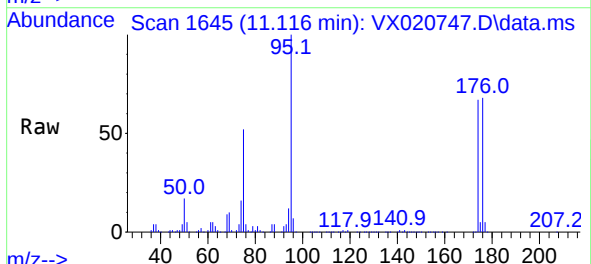
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	10.0	21.5	32.3#
61	0.0	22.1	33.1#

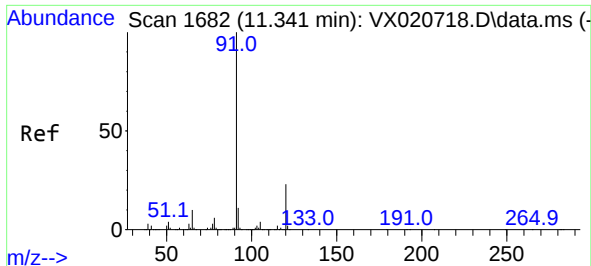


#76
1,2,3-Trichloropropane
Concen: 22.07 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 75 Resp: 125959

Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.1	57.5#

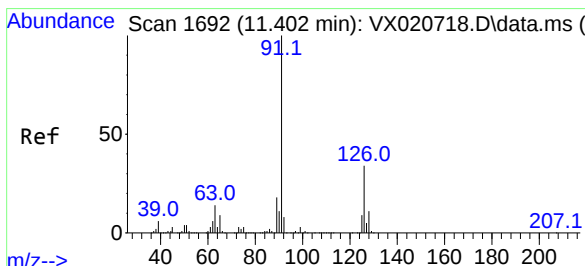
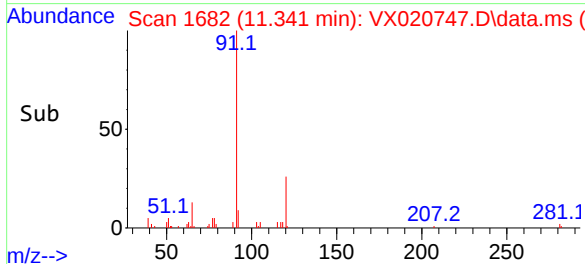
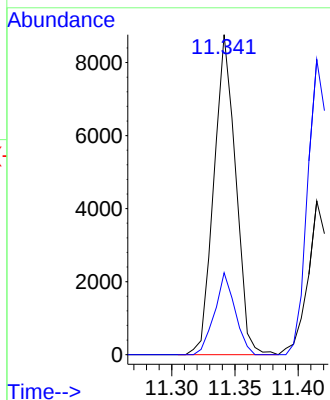
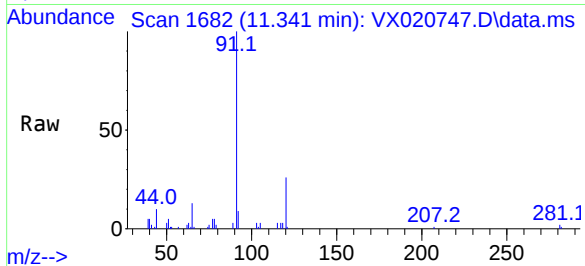




#78
n-propylbenzene
Concen: 0.51 ug/l
RT: 11.341 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

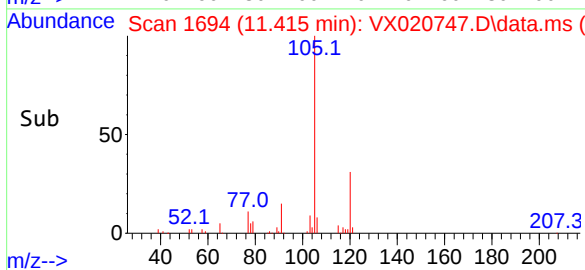
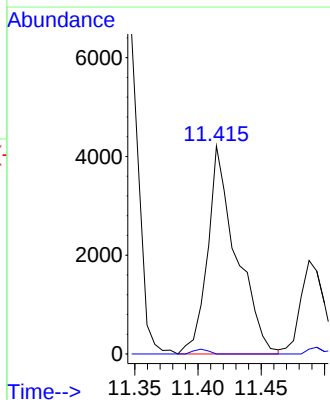
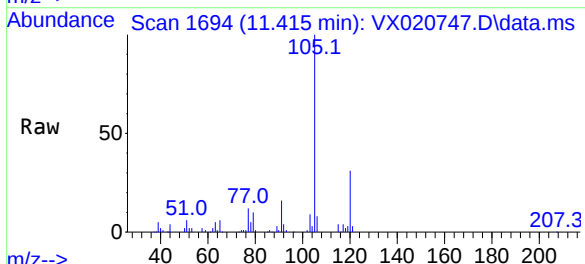
Instrument :
MSVOA_X
ClientSampled :

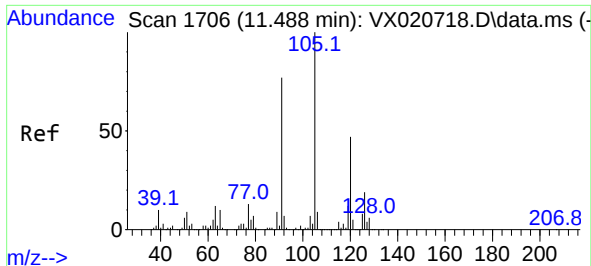
Tgt Ion: 91 Resp: 10502
Ion Ratio Lower Upper
91 100
120 23.9 11.5 34.5



#79
2-Chlorotoluene
Concen: 0.53 ug/l
RT: 11.415 min Scan# 1694
Delta R.T. 0.013 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 91 Resp: 6656
Ion Ratio Lower Upper
91 100
126 1.2 16.6 49.8#

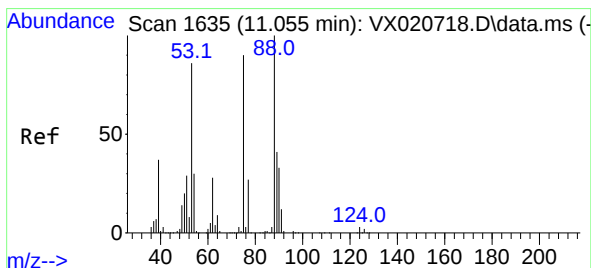
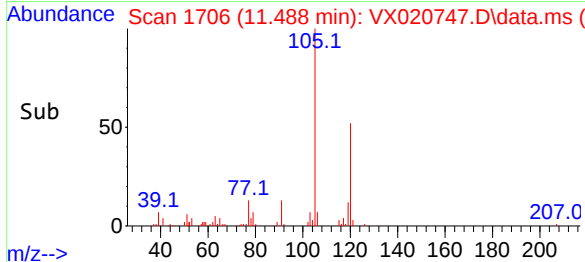
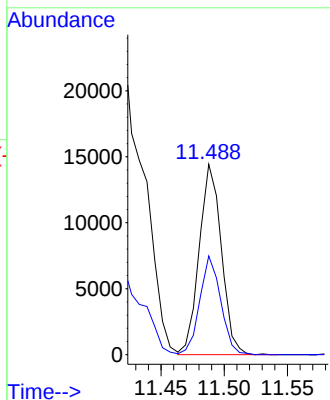
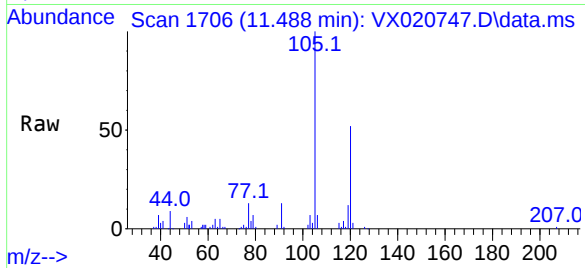




#80
1,3,5-Trimethylbenzene
Concen: 1.16 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

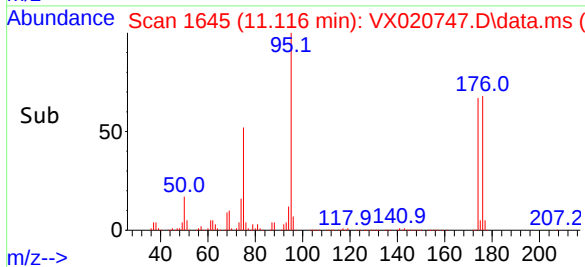
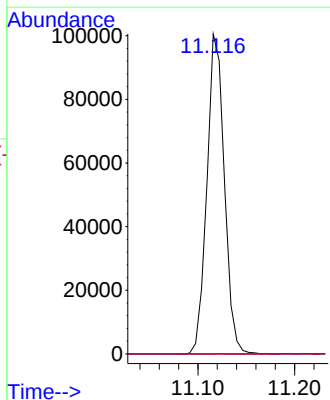
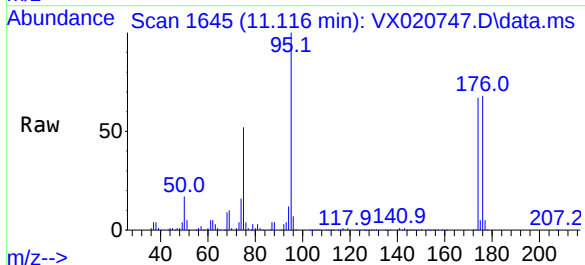
Instrument :
MSVOA_X
ClientSampled :

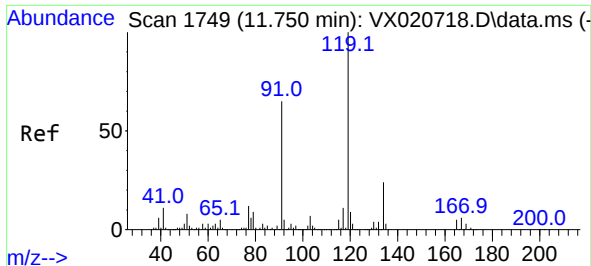
Tgt Ion:105 Resp: 17637
Ion Ratio Lower Upper
105 100
120 48.9 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 61.84 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 75 Resp: 125959
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

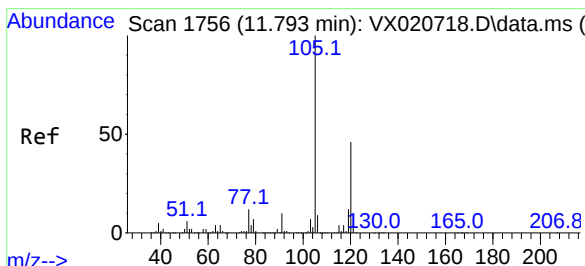
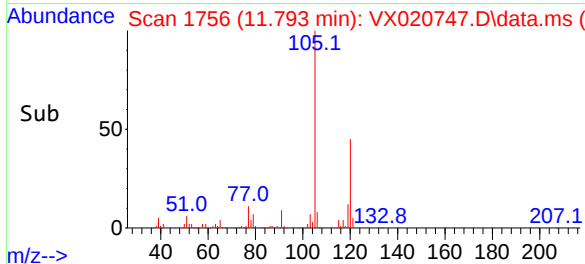
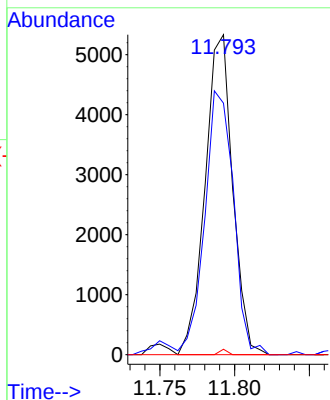
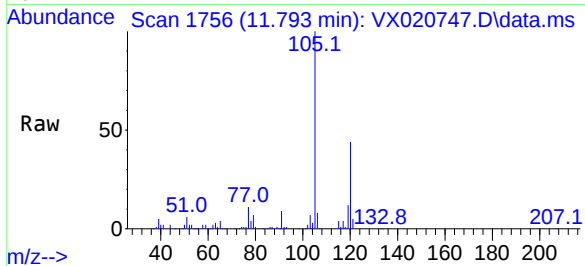




#83
tert-Butylbenzene
Concen: 0.47 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. 0.043 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

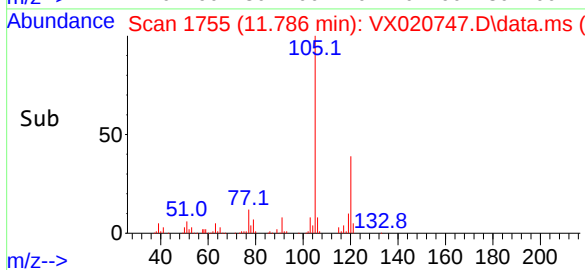
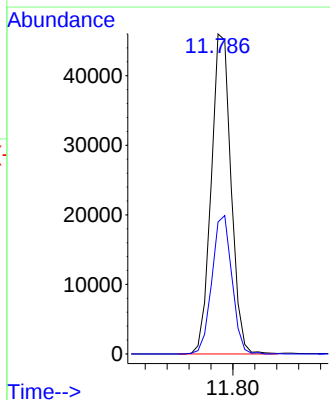
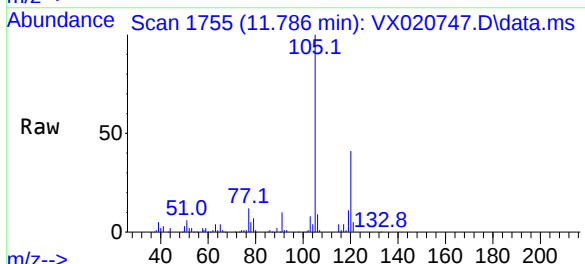
Instrument :
MSVOA_X
ClientSampleId :

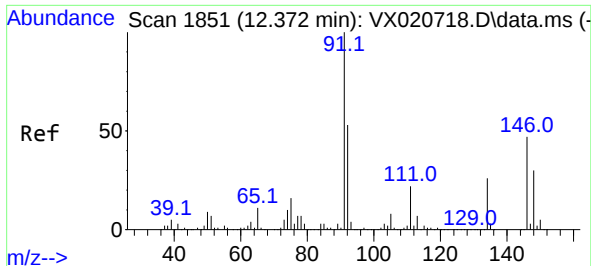
Tgt Ion:119 Resp: 6838
Ion Ratio Lower Upper
119 100
91 85.6 27.9 83.7#
134 0.5 11.3 33.9#



#84
1,2,4-Trimethylbenzene
Concen: 3.77 ug/l
RT: 11.786 min Scan# 1755
Delta R.T. -0.007 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion:105 Resp: 57795
Ion Ratio Lower Upper
105 100
120 43.5 22.4 67.3

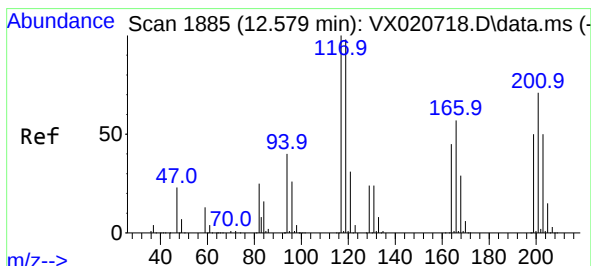
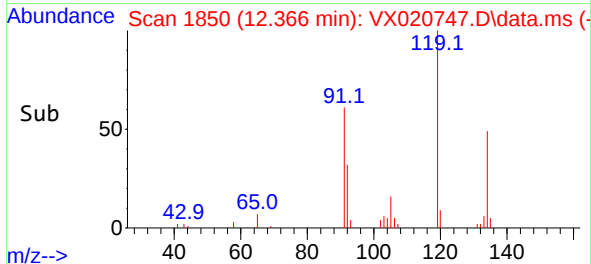
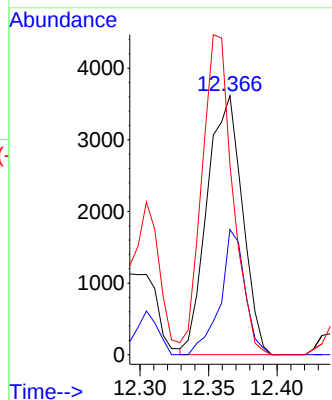
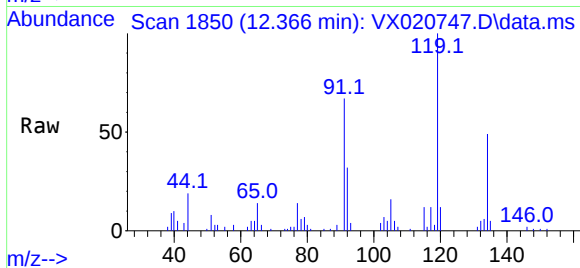




#89
n-Butylbenzene
Concen: 0.46 ug/l
RT: 12.366 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

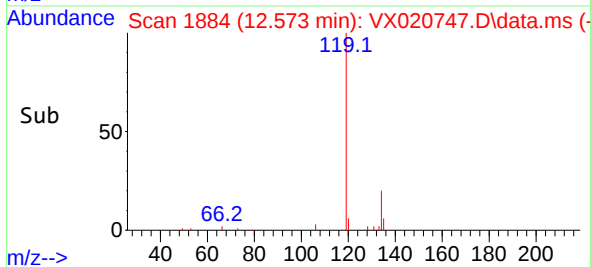
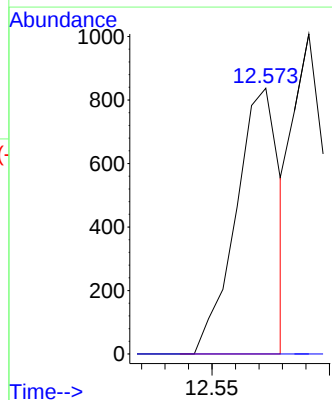
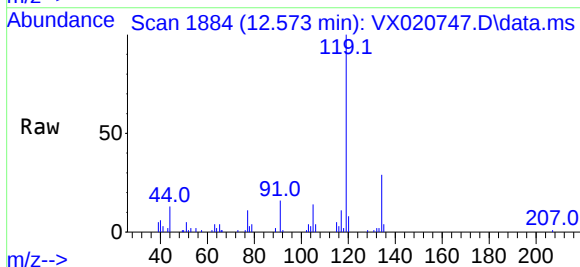
Instrument :
MSVOA_X
ClientSampled :

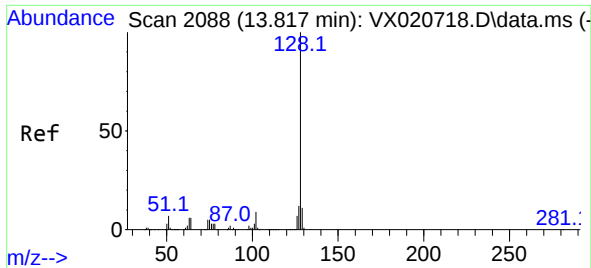
Tgt Ion: 91 Resp: 6451
Ion Ratio Lower Upper
91 100
92 34.0 27.4 82.0
134 107.8 13.2 39.5#



#90
Hexachloroethane
Concen: 0.38 ug/l
RT: 12.573 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Tgt Ion: 117 Resp: 1081
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 3.79 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020747.D
Acq: 26 Jan 2021 12:47

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 18454
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 11.2 8.8 13.2

