

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012621\
 Data File : VX020759.D
 Acq On : 26 Jan 2021 17:28
 Operator : JC/SP
 Sample : M1189-09 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41052

Quant Time: Jan 27 00:57:53 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	333563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	579872	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	557758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	262697	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	220545	48.47	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.94%
35) Dibromofluoromethane	5.464	113	188567	47.47	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.94%
50) Toluene-d8	8.695	98	718531	49.34	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.68%
62) 4-Bromofluorobenzene	11.122	95	275330	48.69	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.38%

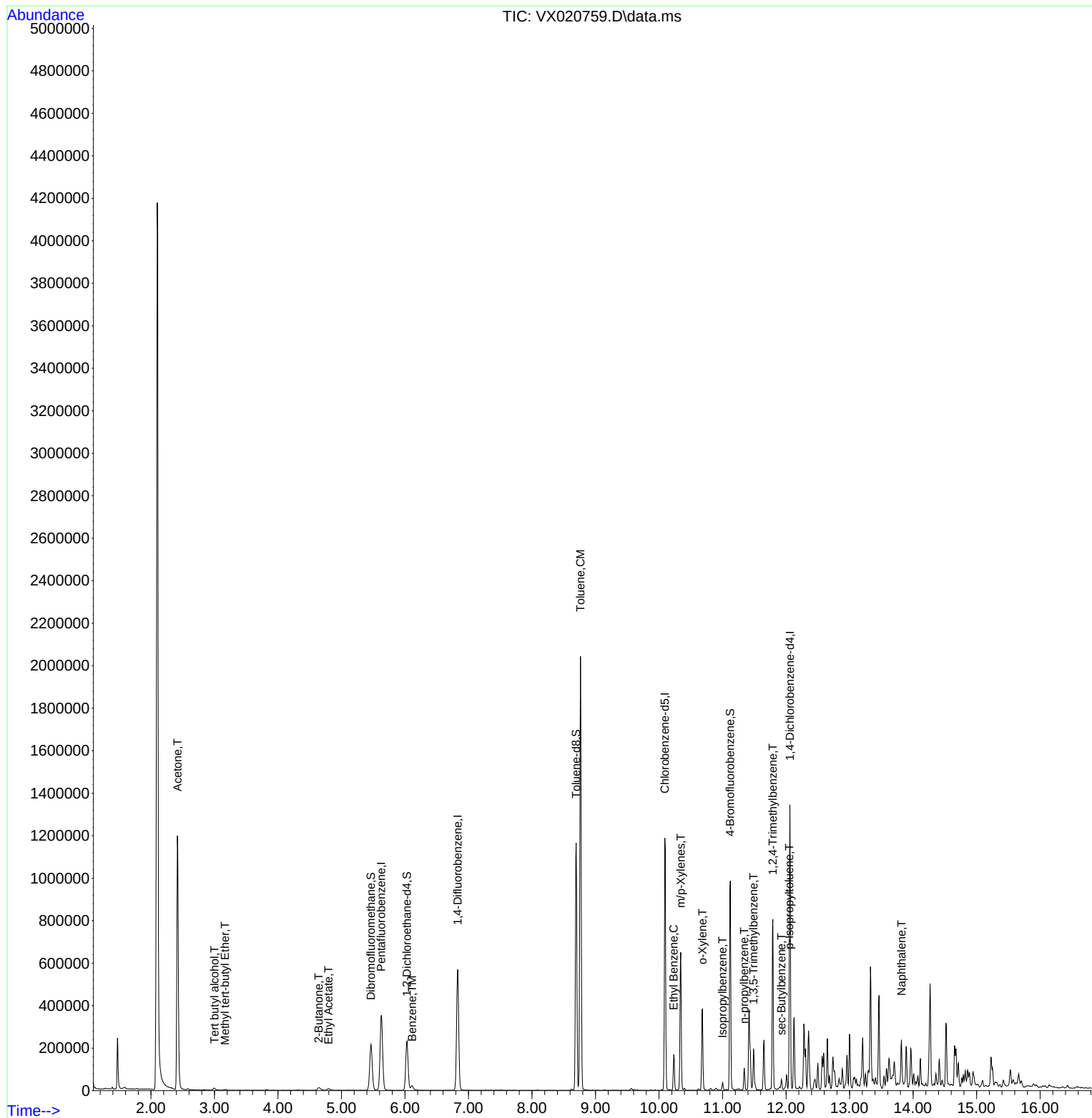
Target Compounds						Qvalue
11) Tert butyl alcohol	3.001	59	7717	9.09	ug/l #	78
16) Acetone	2.416	43	1229608	712.80	ug/l	99
19) Methyl tert-butyl Ether	3.166	73	3409	0.28	ug/l	95
25) 2-Butanone	4.641	43	13288	4.92	ug/l	93
37) Ethyl Acetate	4.794	43	14231	2.58	ug/l #	91
40) Benzene	6.111	78	24794	1.45	ug/l	92
52) Toluene	8.762	92	772680	71.70	ug/l	98
67) Ethyl Benzene	10.232	91	95807	4.58	ug/l	98
68) m/p-Xylenes	10.341	106	150737	19.32	ug/l	97
69) o-Xylene	10.683	106	83933	11.44	ug/l	99
73) Isopropylbenzene	11.000	105	18166	0.96	ug/l	95
78) n-propylbenzene	11.341	91	60379	2.75	ug/l	98
80) 1,3,5-Trimethylbenzene	11.488	105	82161	5.06	ug/l	100
84) 1,2,4-Trimethylbenzene	11.792	105	360447	22.02	ug/l	99
85) sec-Butylbenzene	11.927	105	21870	1.21	ug/l	86
86) p-Isopropyltoluene	12.048	119	14415	0.86	ug/l	95
95) Naphthalene	13.816	128	131036	9.00	ug/l	99

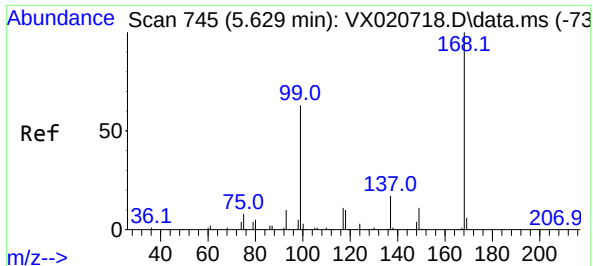
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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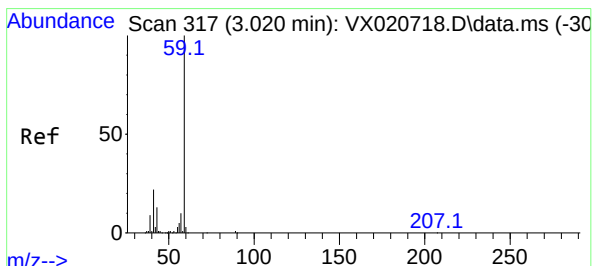
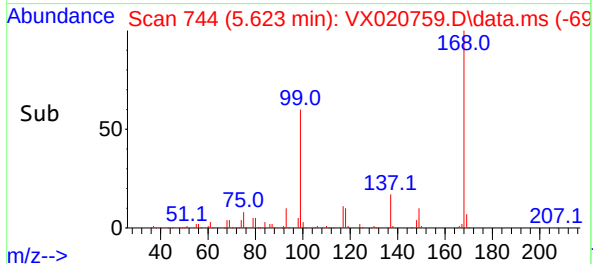
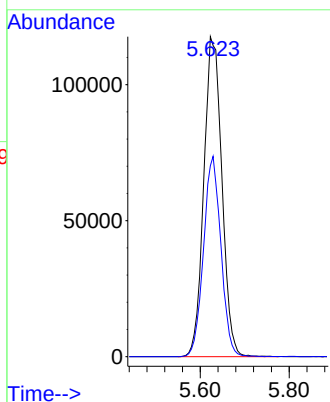
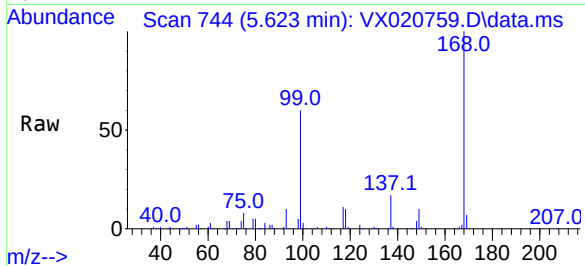




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.006 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

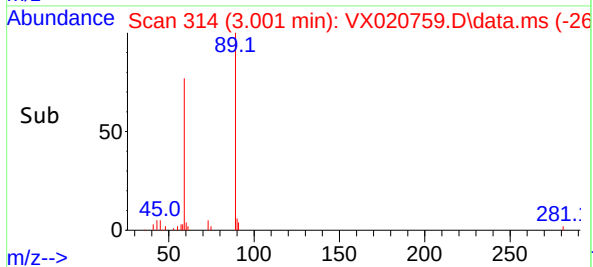
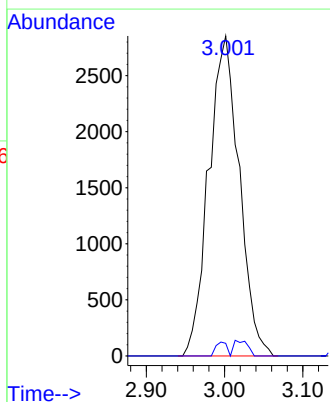
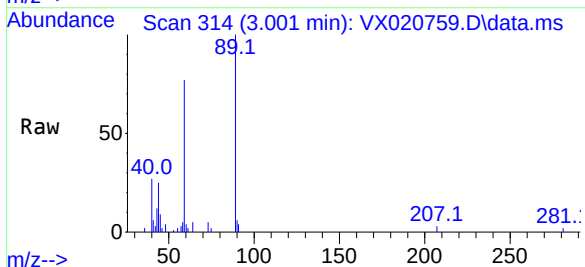
Instrument :
MSVOA_X
ClientSampleId :
41052

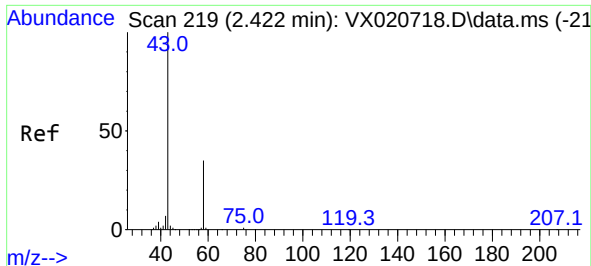
Tgt Ion:168 Resp: 333563
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.6



#11
Tert butyl alcohol
Concen: 9.09 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.019 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Tgt Ion: 59 Resp: 7717
Ion Ratio Lower Upper
59 100
57 1.6 7.8 11.8#

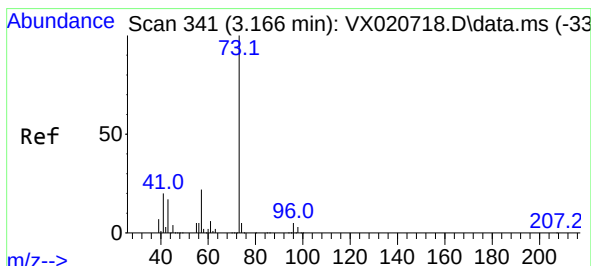
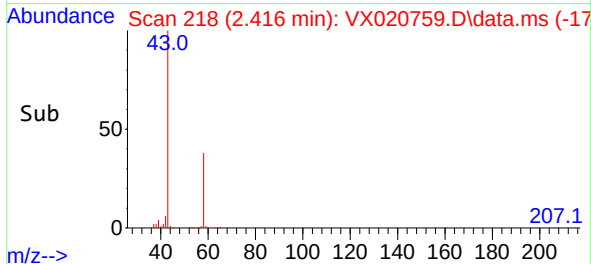
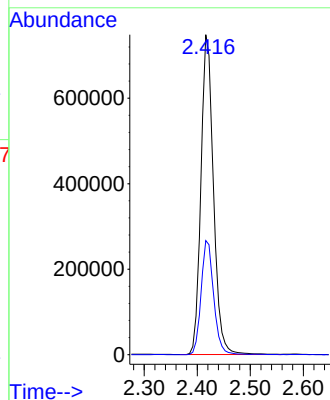
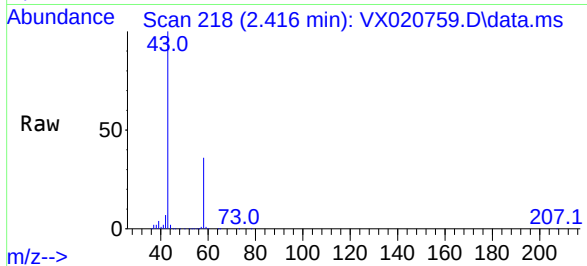




#16
Acetone
Concen: 712.80 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

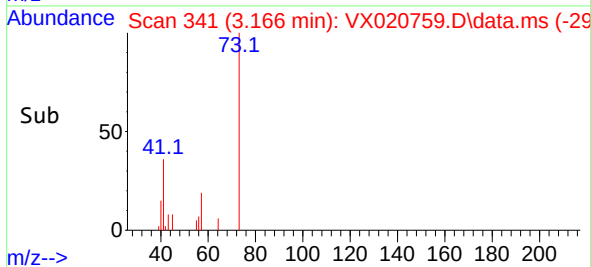
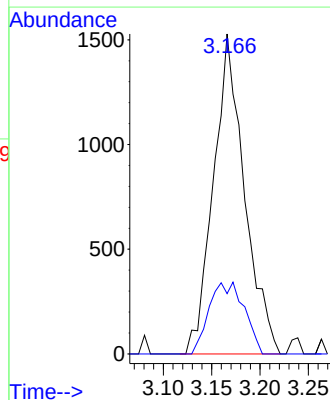
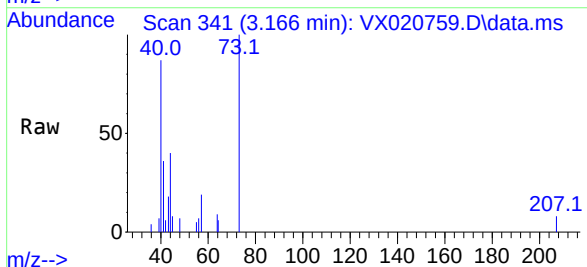
Instrument :
MSVOA_X
ClientSampleId :
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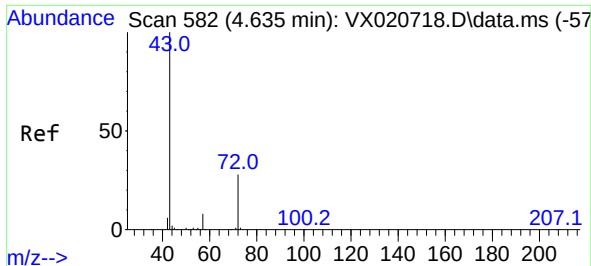
Tgt Ion: 43 Resp: 1229608
Ion Ratio Lower Upper
43 100
58 35.7 27.8 41.8



#19
Methyl tert-butyl Ether
Concen: 0.28 ug/l
RT: 3.166 min Scan# 341
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Tgt Ion: 73 Resp: 3409
Ion Ratio Lower Upper
73 100
57 18.8 17.1 25.7

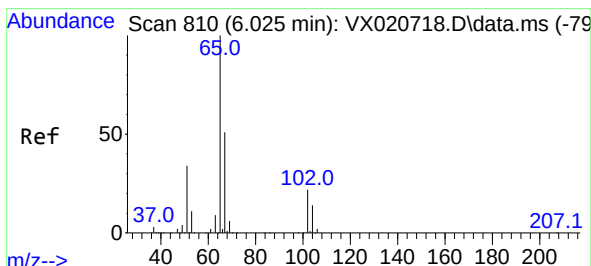
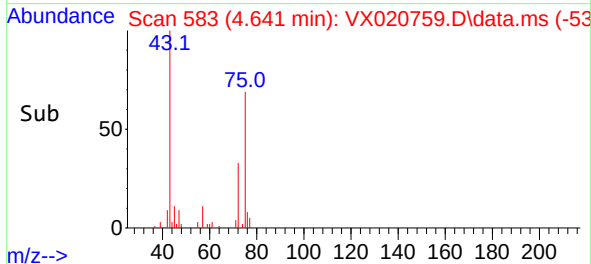
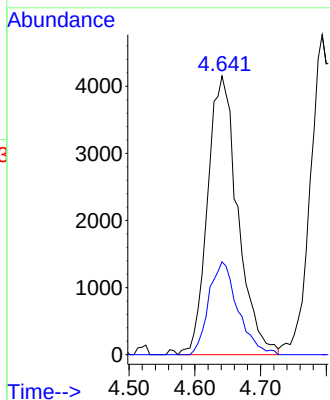
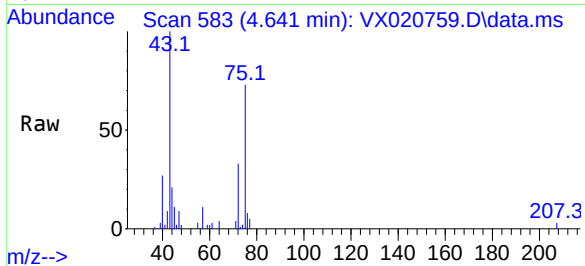




#25
2-Butanone
Concen: 4.92 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.006 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

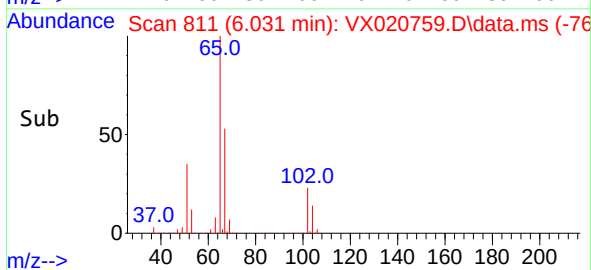
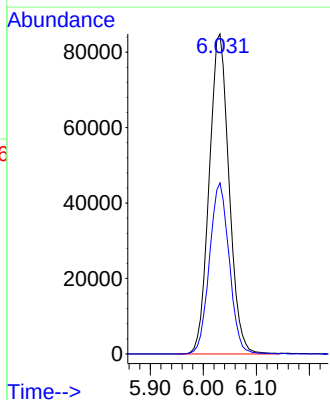
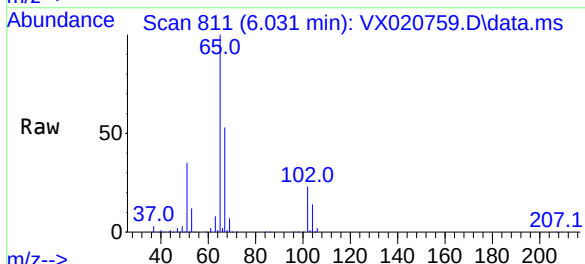
Instrument :
MSVOA_X
ClientSampled :
41052

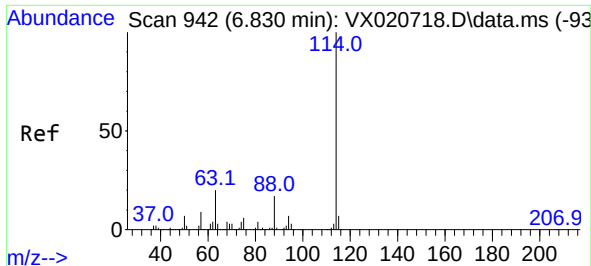
Tgt Ion: 43 Resp: 13288
Ion Ratio Lower Upper
43 100
72 33.3 23.7 35.5



#33
1,2-Dichloroethane-d4
Concen: 48.47 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

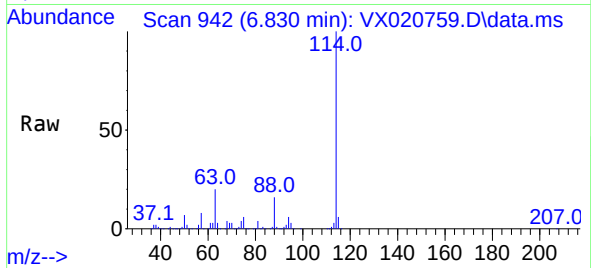
Tgt Ion: 65 Resp: 220545
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4



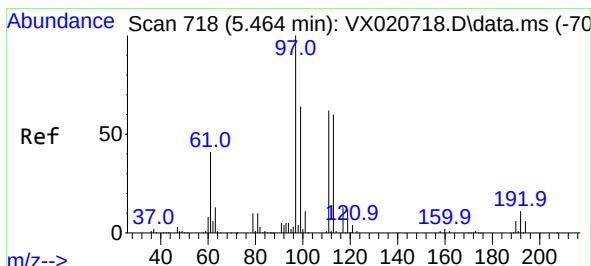
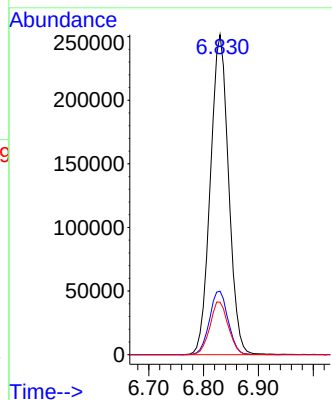
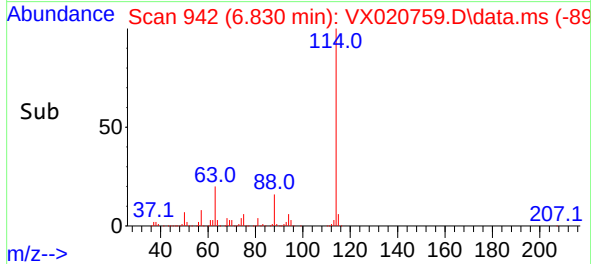


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

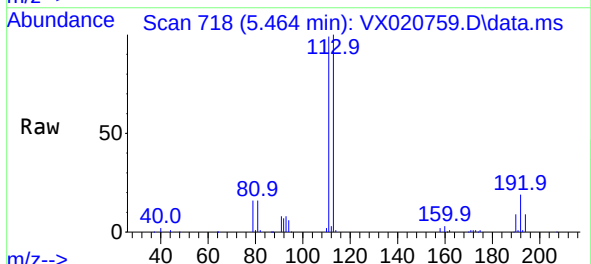
Instrument :
MSVOA_X
ClientSampleId :
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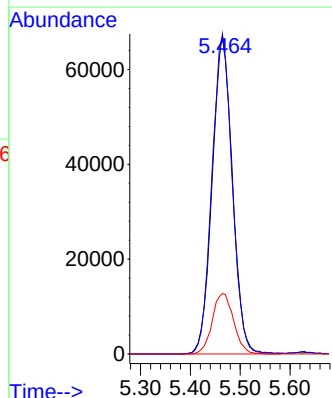
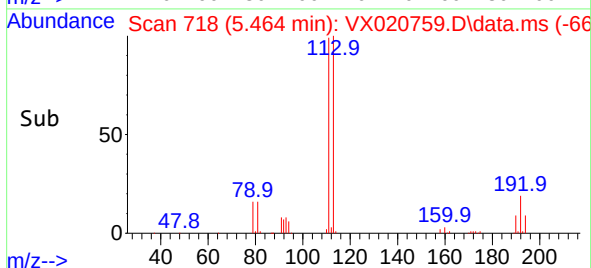
Tgt Ion:114 Resp: 579872
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 16.4 0.0 32.8

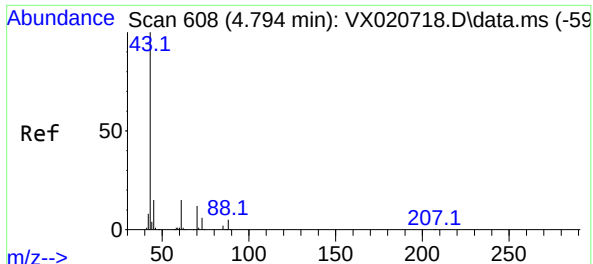


#35
Dibromofluoromethane
Concen: 47.47 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28



Tgt Ion:113 Resp: 188567
Ion Ratio Lower Upper
113 100
111 100.8 81.9 122.9
192 20.0 16.7 25.1

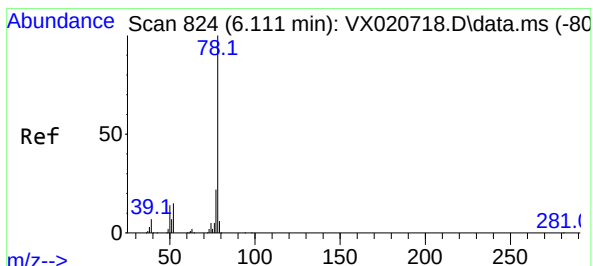
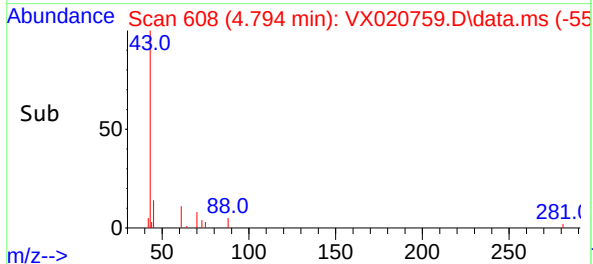
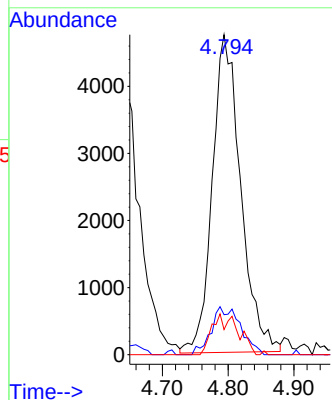
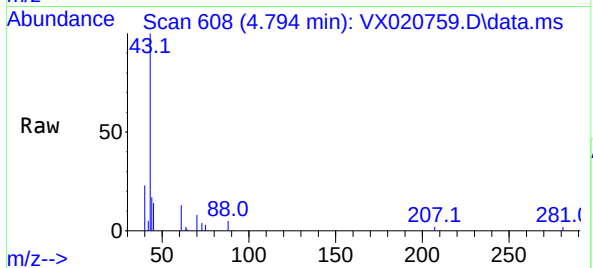




#37
Ethyl Acetate
Concen: 2.58 ug/l
RT: 4.794 min Scan# 608
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

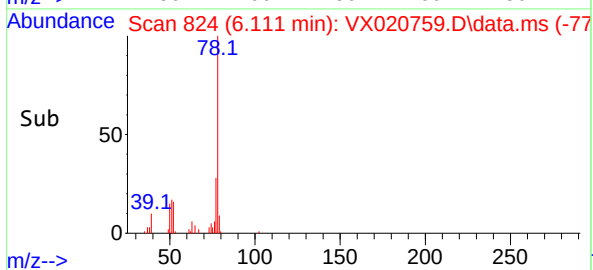
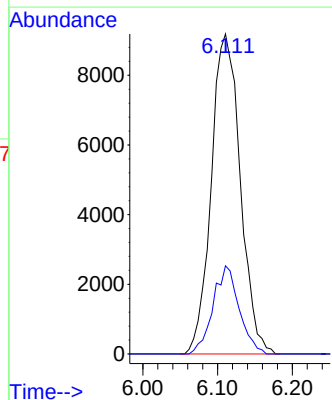
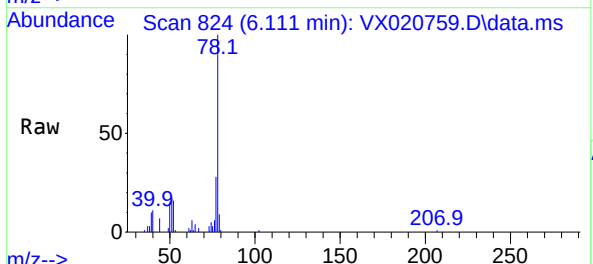
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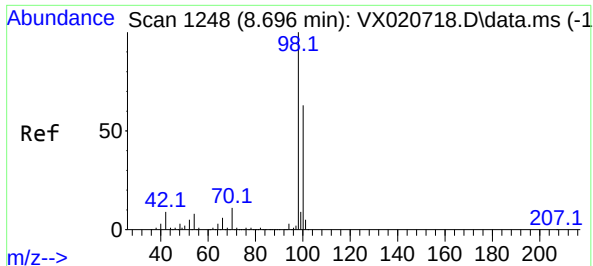
Tgt Ion: 43 Resp: 14231
Ion Ratio Lower Upper
43 100
61 15.6 12.8 19.2
70 5.7 10.5 15.7#



#40
Benzene
Concen: 1.45 ug/l
RT: 6.111 min Scan# 824
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Tgt Ion: 78 Resp: 24794
Ion Ratio Lower Upper
78 100
77 27.5 18.9 28.3

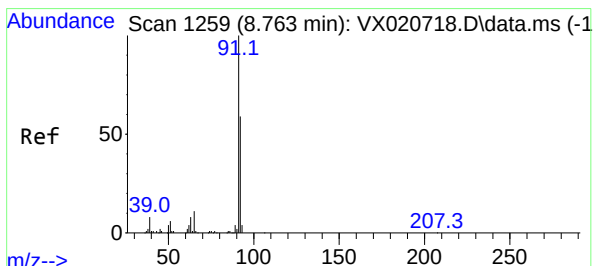
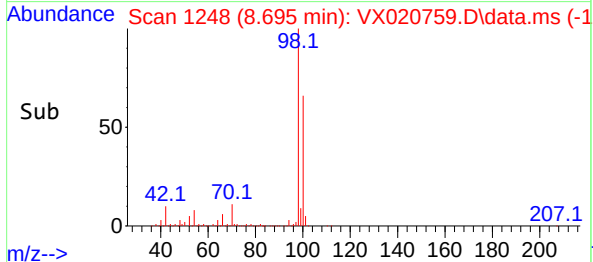
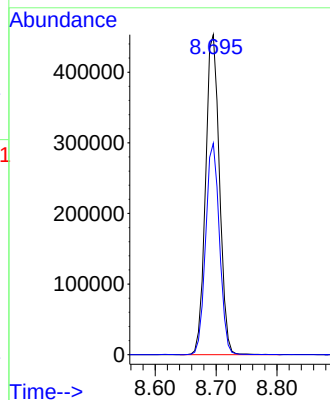
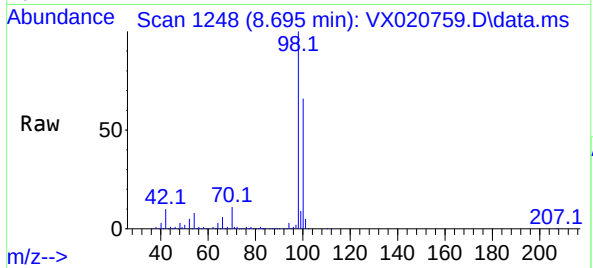




#50
Toluene-d8
Concen: 49.34 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

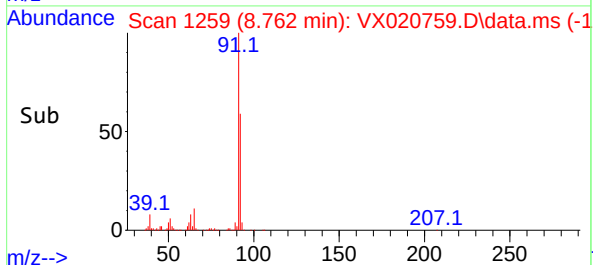
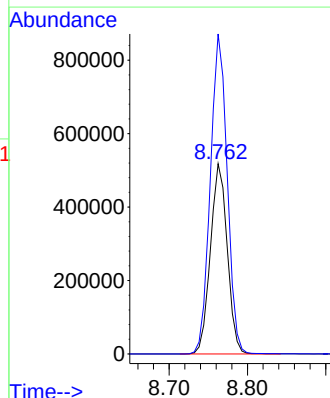
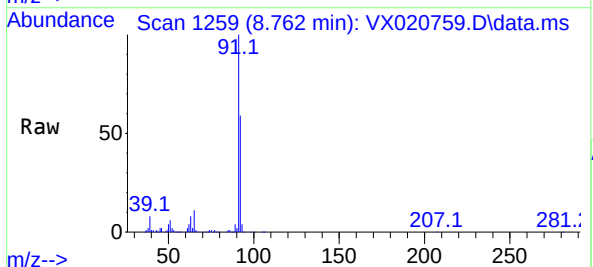
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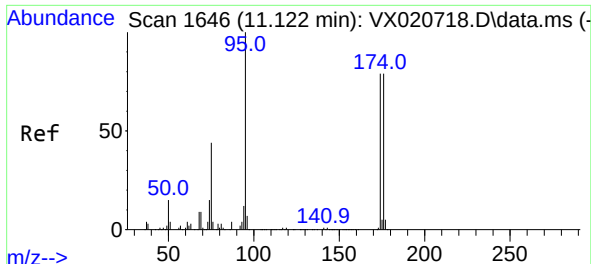
Tgt Ion: 98 Resp: 718531
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#52
Toluene
Concen: 71.70 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. -0.001 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Tgt Ion: 92 Resp: 772680
Ion Ratio Lower Upper
92 100
91 168.6 137.1 205.7

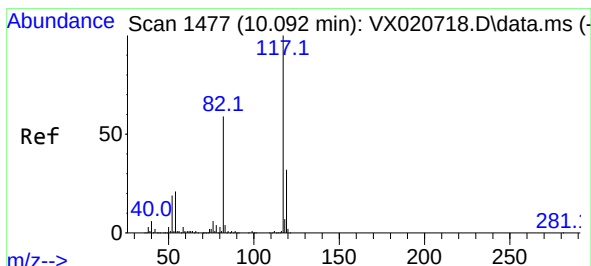
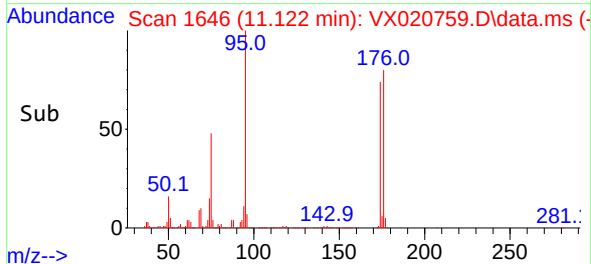
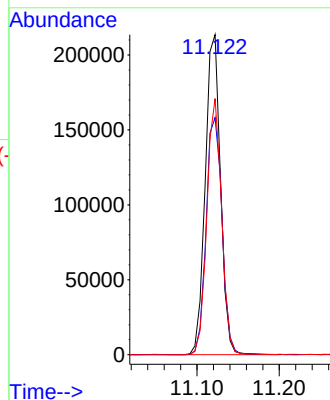
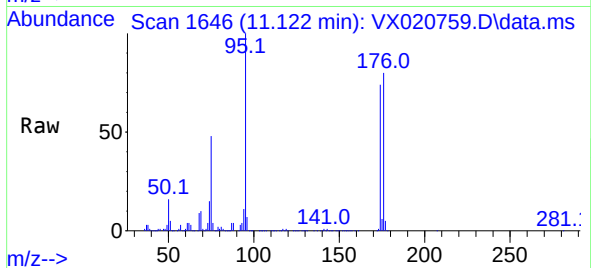




#62
4-Bromofluorobenzene
Concen: 48.69 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

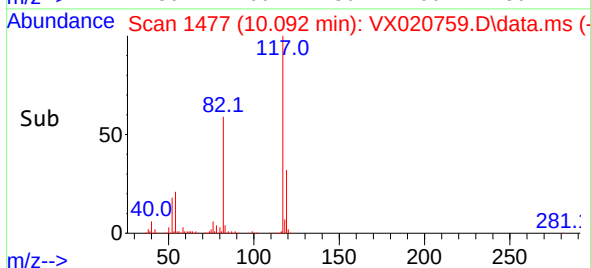
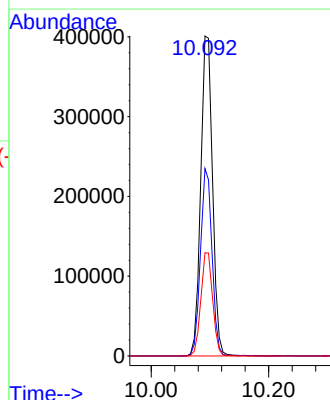
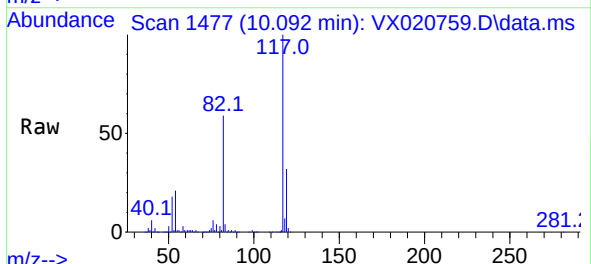
Instrument :
MSVOA_X
ClientSampleId :
41052

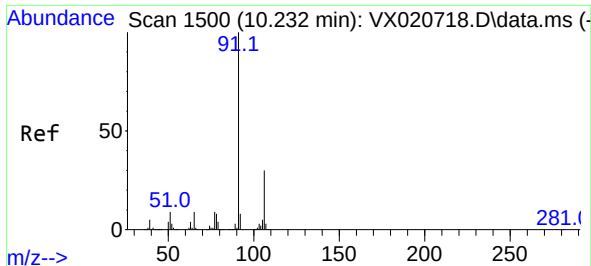
Tgt Ion: 95 Resp: 275330
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.6
176 77.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.001 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Tgt Ion: 117 Resp: 557758
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 32.2 26.6 39.8

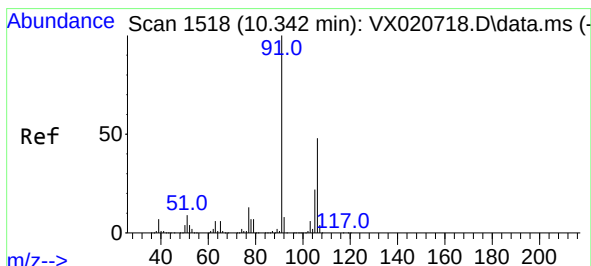
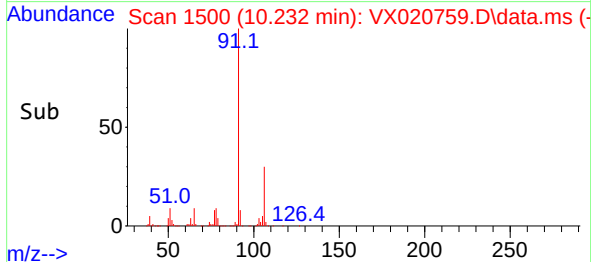
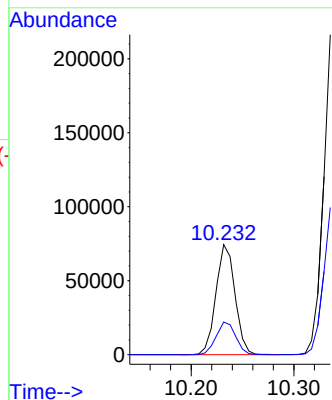
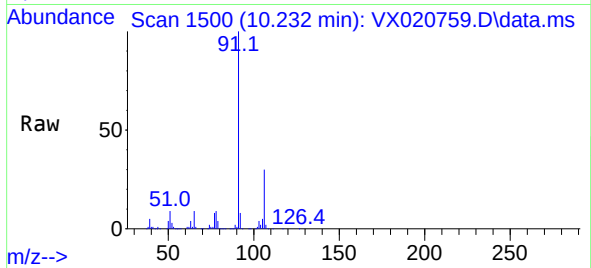




#67
Ethyl Benzene
Concen: 4.58 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

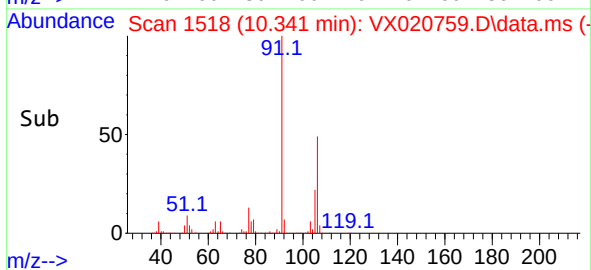
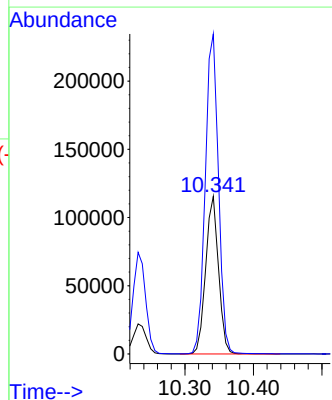
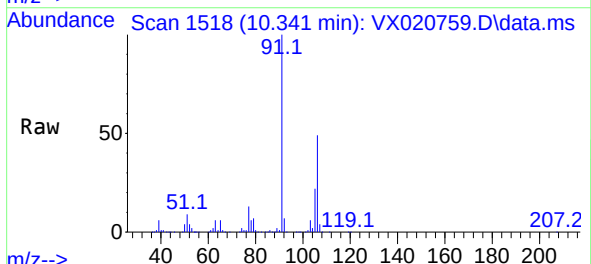
Instrument :
MSVOA_X
ClientSampleId :
41052

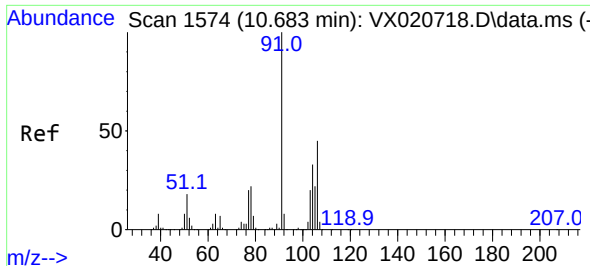
Tgt Ion: 91 Resp: 95807
Ion Ratio Lower Upper
91 100
106 29.7 24.6 37.0



#68
m/p-Xylenes
Concen: 19.32 ug/l
RT: 10.341 min Scan# 1518
Delta R.T. -0.001 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Tgt Ion: 106 Resp: 150737
Ion Ratio Lower Upper
106 100
91 208.2 162.8 244.2

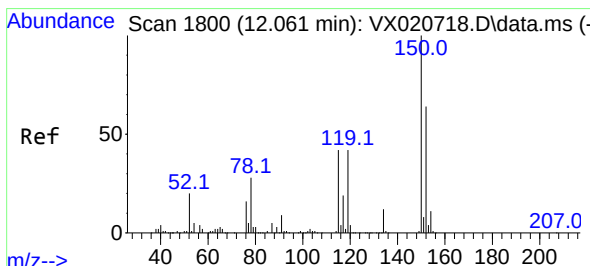
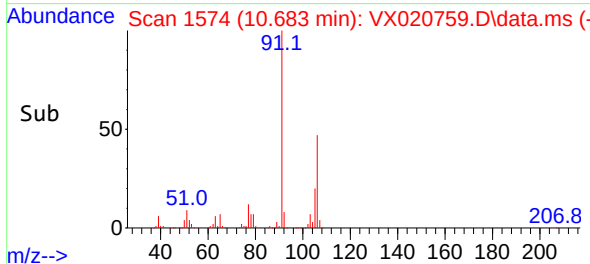
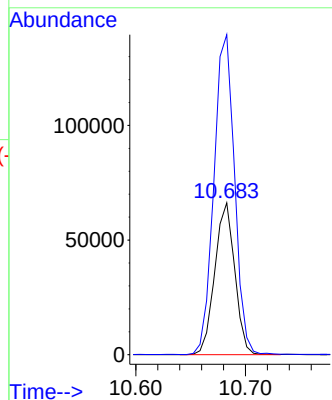
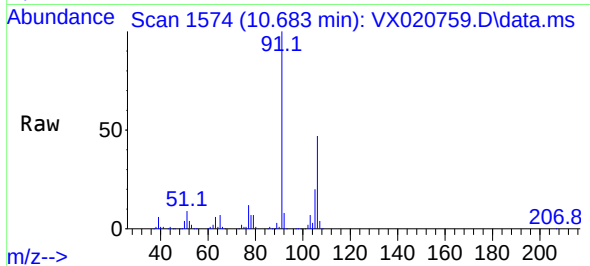




#69
o-Xylene
Concen: 11.44 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

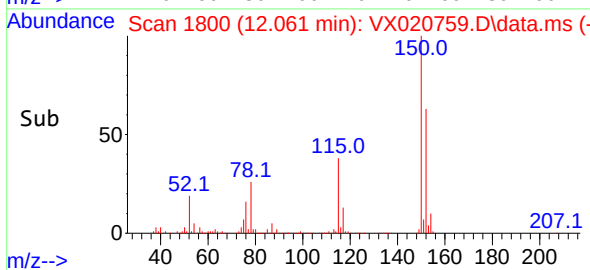
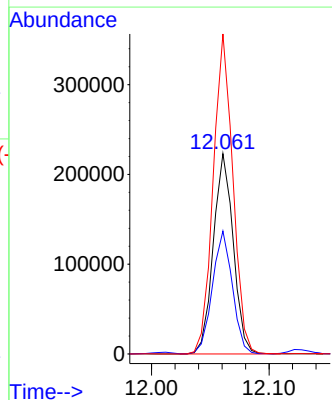
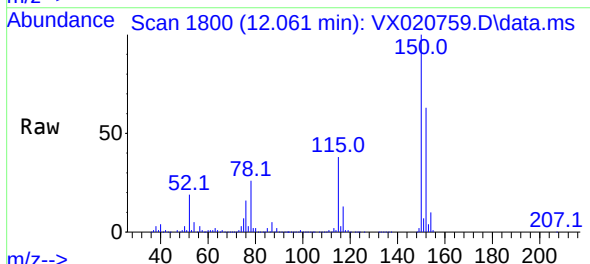
Instrument :
MSVOA_X
ClientSampleId :
41052

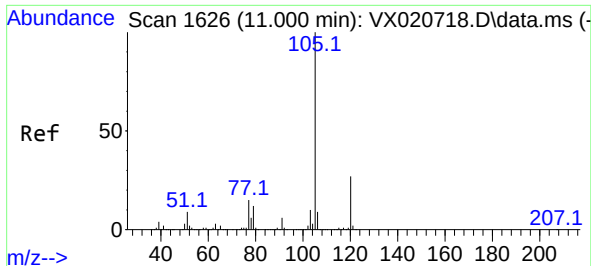
Tgt Ion:106 Resp: 83933
Ion Ratio Lower Upper
106 100
91 218.1 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Tgt Ion:152 Resp: 262697
Ion Ratio Lower Upper
152 100
115 61.3 41.1 123.3
150 158.0 0.0 349.0

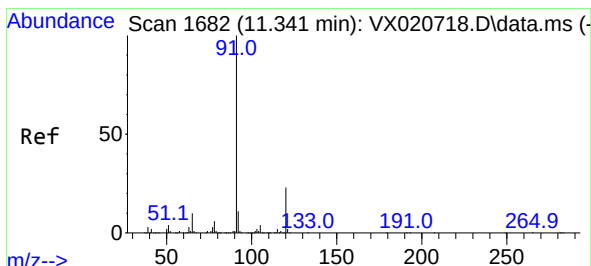
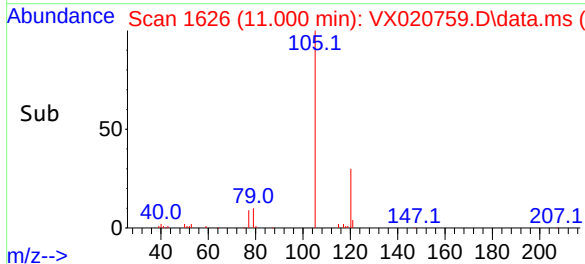
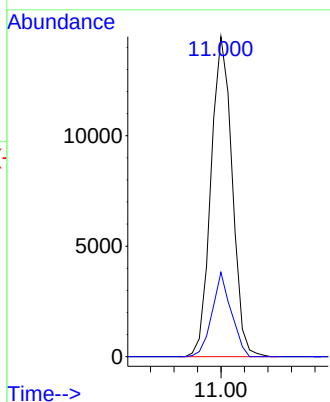
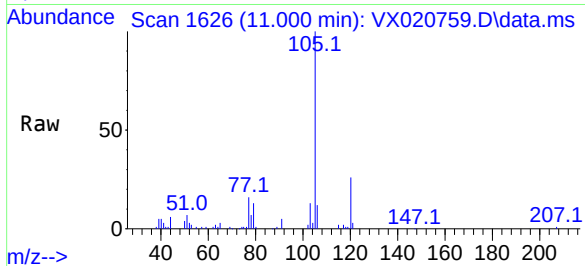




#73
Isopropylbenzene
Concen: 0.96 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

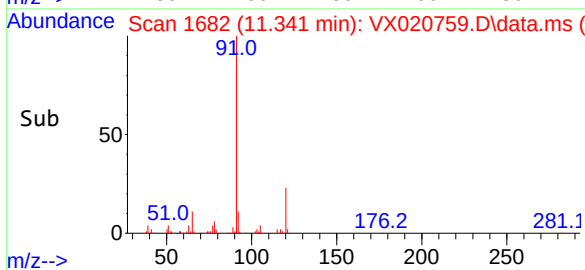
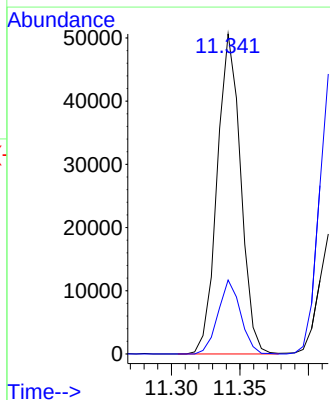
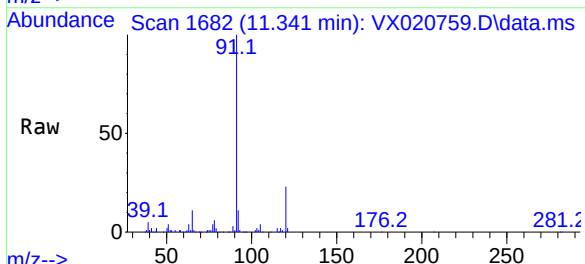
Instrument :
MSVOA_X
ClientSampleId :
41052

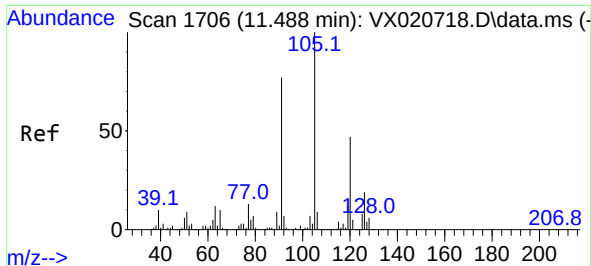
Tgt Ion:105 Resp: 18166
Ion Ratio Lower Upper
105 100
120 23.8 13.2 39.6



#78
n-propylbenzene
Concen: 2.75 ug/l
RT: 11.341 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Tgt Ion: 91 Resp: 60379
Ion Ratio Lower Upper
91 100
120 22.1 11.5 34.5

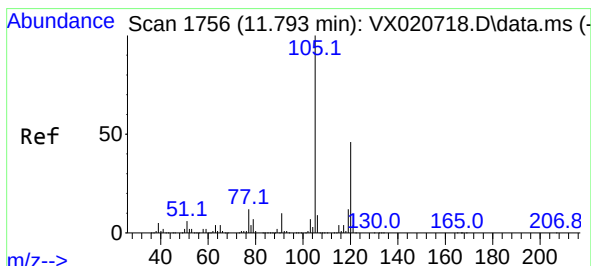
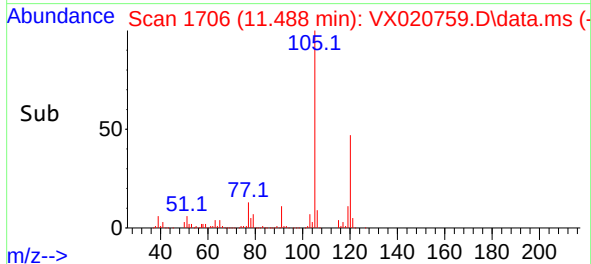
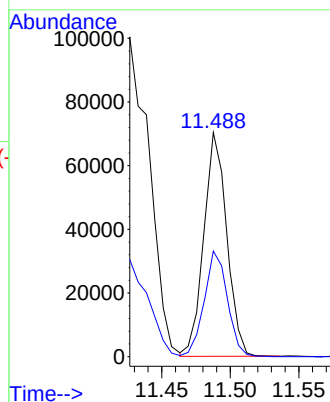
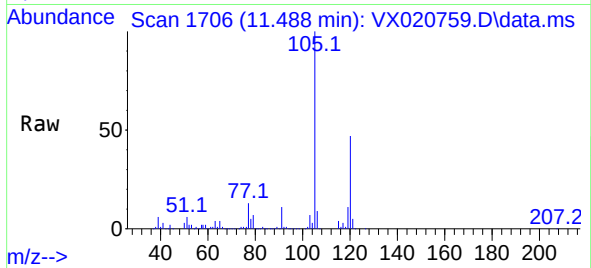




#80
1,3,5-Trimethylbenzene
Concen: 5.06 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

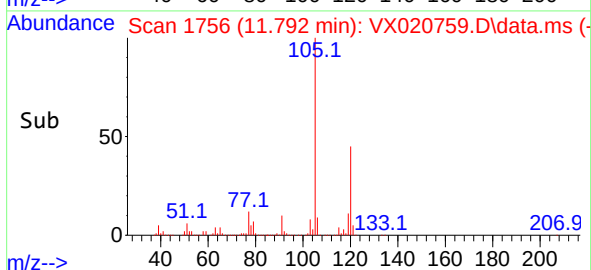
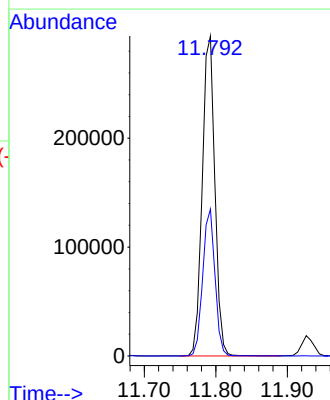
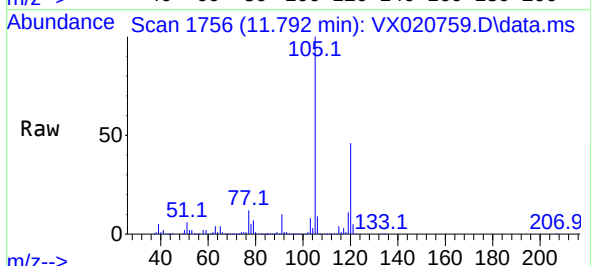
Instrument :
MSVOA_X
ClientSampleId :
41052

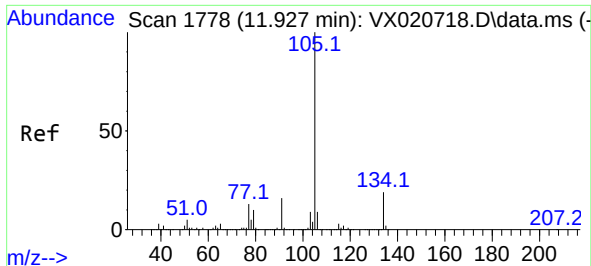
Tgt Ion:105 Resp: 82161
Ion Ratio Lower Upper
105 100
120 47.6 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 22.02 ug/l
RT: 11.792 min Scan# 1756
Delta R.T. -0.001 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Tgt Ion:105 Resp: 360447
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.3

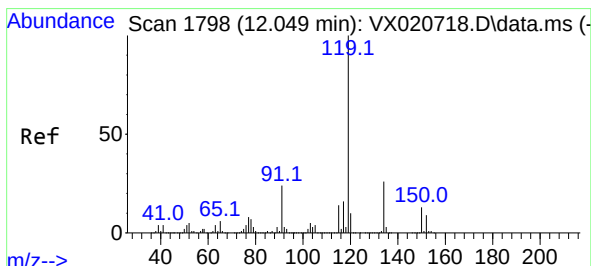
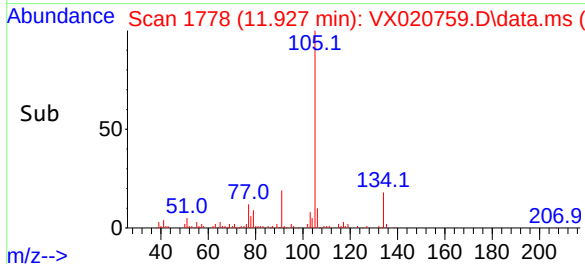
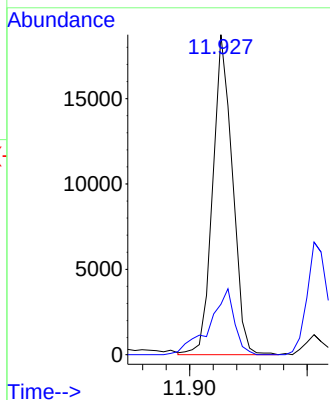
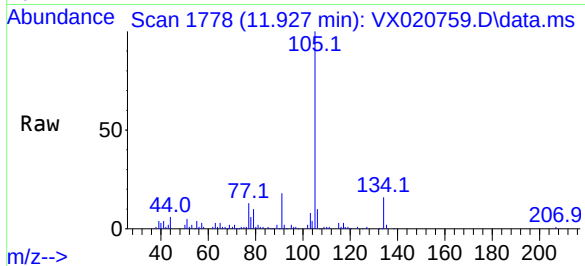




#85
 sec-Butylbenzene
 Concen: 1.21 ug/l
 RT: 11.927 min Scan# 1778
 Delta R.T. -0.000 min
 Lab File: VX020759.D
 Acq: 26 Jan 2021 17:28

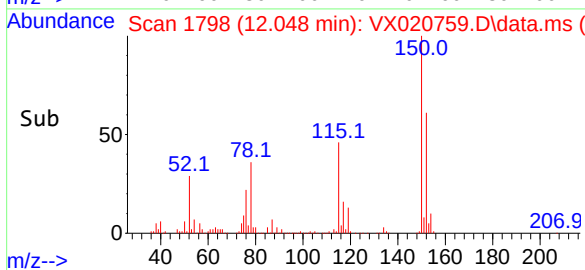
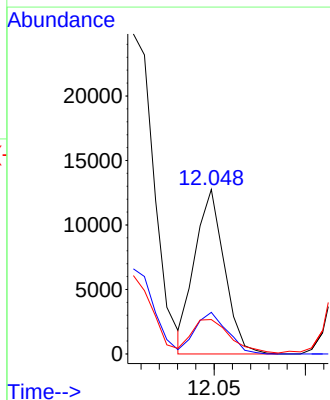
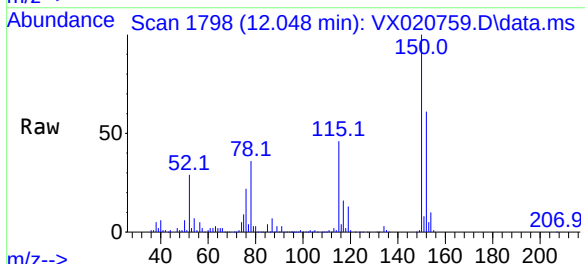
Instrument :
 MSVOA_X
 ClientSampled :
 41052

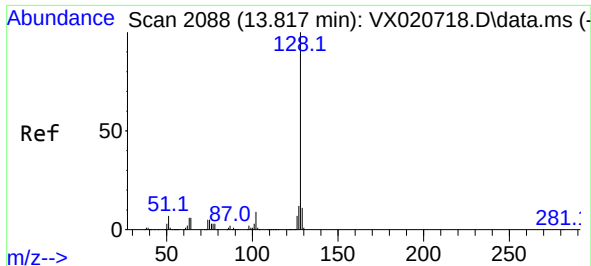
Tgt Ion:105 Resp: 21870
 Ion Ratio Lower Upper
 105 100
 134 26.2 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 0.86 ug/l
 RT: 12.048 min Scan# 1798
 Delta R.T. -0.001 min
 Lab File: VX020759.D
 Acq: 26 Jan 2021 17:28

Tgt Ion:119 Resp: 14415
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.9 38.7
 91 26.3 11.7 35.0





#95
Naphthalene
Concen: 9.00 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. -0.001 min
Lab File: VX020759.D
Acq: 26 Jan 2021 17:28

Instrument :
MSVOA_X
ClientSampleId :
41052

Tgt Ion:128 Resp: 131036
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 12.1 8.8 13.2

