

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042221\
 Data File : VX021819.D
 Acq On : 22 Apr 2021 16:11
 Operator : JC/MD
 Sample : M2135-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 210421085-02-VOA

Quant Time: Apr 23 07:43:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

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

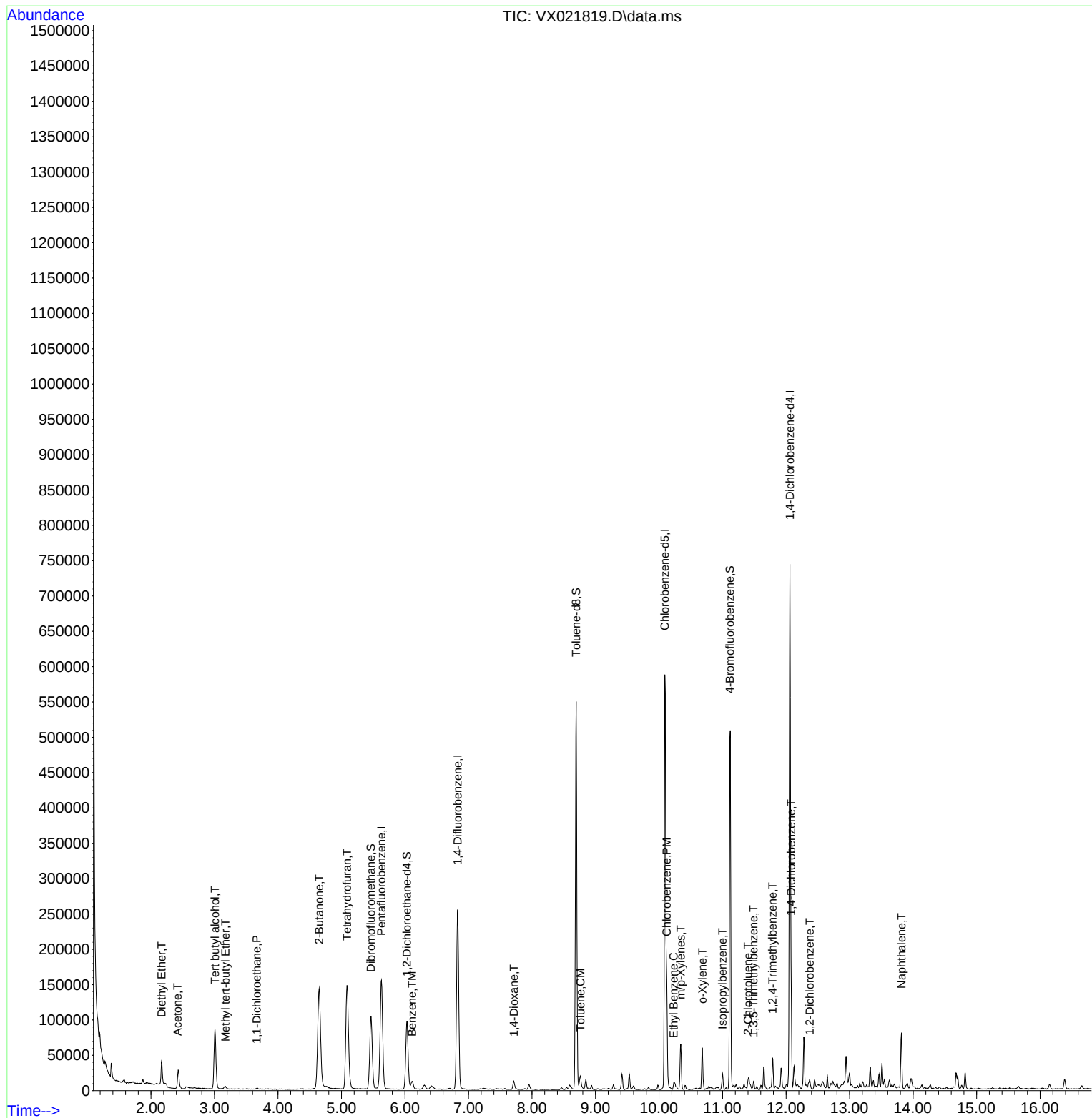
Internal Standards						
1) Pentafluorobenzene	5.629	168	154582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	280252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	296032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	155201	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	89759	51.18	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.36%			
35) Dibromofluoromethane	5.465	113	91222	50.90	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.80%			
50) Toluene-d8	8.696	98	343919	49.91	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.82%			
62) 4-Bromofluorobenzene	11.116	95	147013	57.13	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.26%			
Target Compounds						Qvalue
8) Diethyl Ether	2.166	74	11445	11.67	ug/l	94
11) Tert butyl alcohol	3.008	59	108805	283.34	ug/l	98
16) Acetone	2.416	43	4474	7.42	ug/l	94
19) Methyl tert-butyl Ether	3.172	73	4385	0.89	ug/l	92
24) 1,1-Dichloroethane	3.666	63	1616	0.59	ug/l #	81
25) 2-Butanone	4.648	43	8580	8.40	ug/l #	66
29) Tetrahydrofuran	5.087	42	136055	204.83	ug/l	98
40) Benzene	6.111	78	13853	1.88	ug/l	98
49) 1,4-Dioxane	7.714	88	9194	197.20	ug/l	95
52) Toluene	8.763	92	5410	1.13	ug/l	100
65) Chlorobenzene	10.122	112	68768	11.25	ug/l	99
67) Ethyl Benzene	10.232	91	5692	0.54	ug/l	96
68) m/p-Xylenes	10.342	106	14833	3.62	ug/l	97
69) o-Xylene	10.683	106	13282	3.37	ug/l	99
73) Isopropylbenzene	11.000	105	10926	1.00	ug/l	99
79) 2-Chlorotoluene	11.402	91	5821	0.82	ug/l	92
80) 1,3,5-Trimethylbenzene	11.488	105	4505	0.49	ug/l	98
84) 1,2,4-Trimethylbenzene	11.787	105	19392	2.08	ug/l	97
88) 1,4-Dichlorobenzene	12.079	146	44716	8.91	ug/l	96
91) 1,2-Dichlorobenzene	12.372	146	3293	0.69	ug/l	99
95) Naphthalene	13.817	128	49397	4.72	ug/l	100

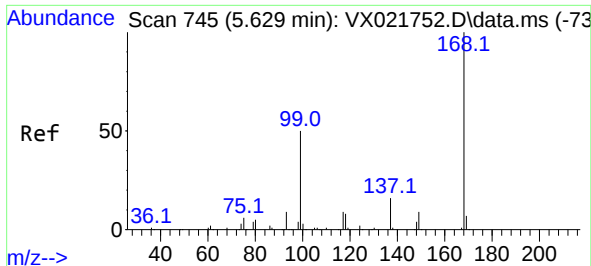
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

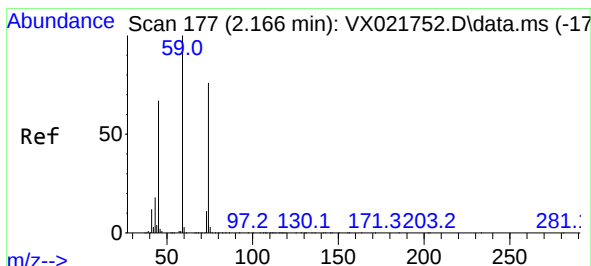
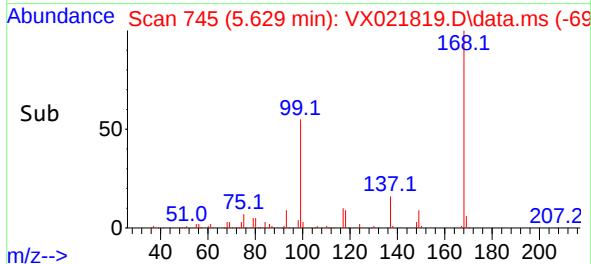
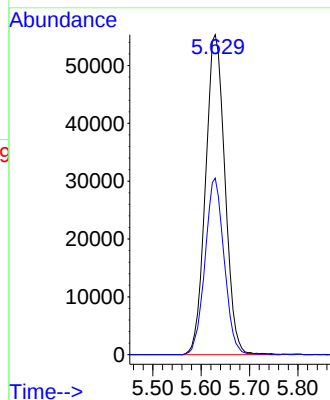
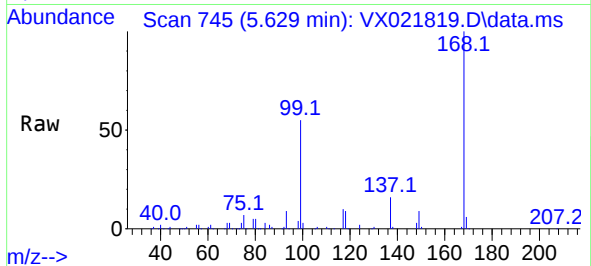




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

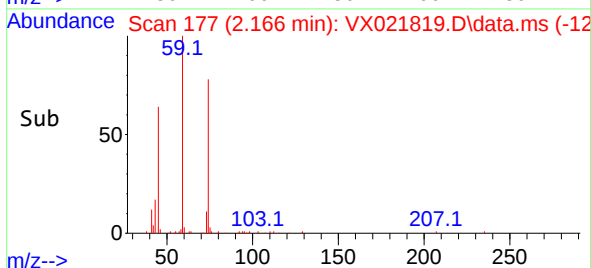
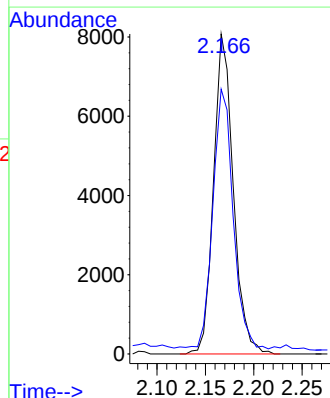
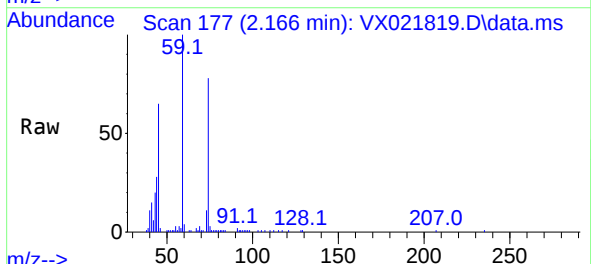
Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

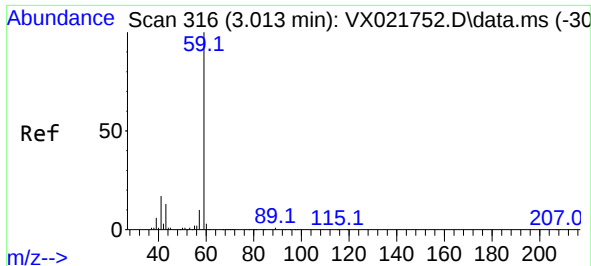
Tgt Ion:168 Resp: 154582
Ion Ratio Lower Upper
168 100
99 55.1 45.8 68.6



#8
Diethyl Ether
Concen: 11.67 ug/l
RT: 2.166 min Scan# 177
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 74 Resp: 11445
Ion Ratio Lower Upper
74 100
45 83.2 44.5 133.5



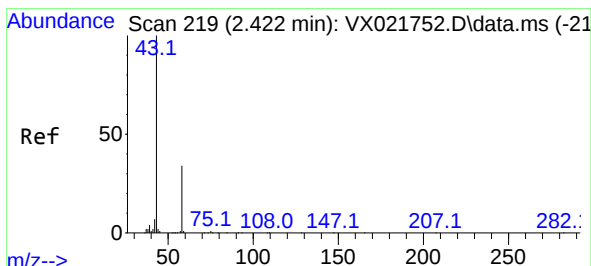
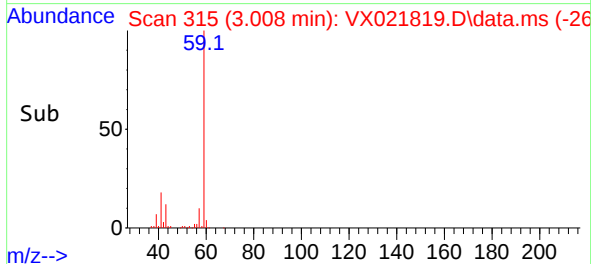
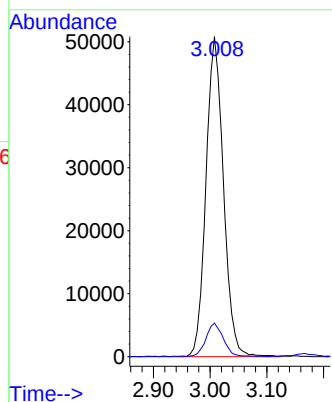
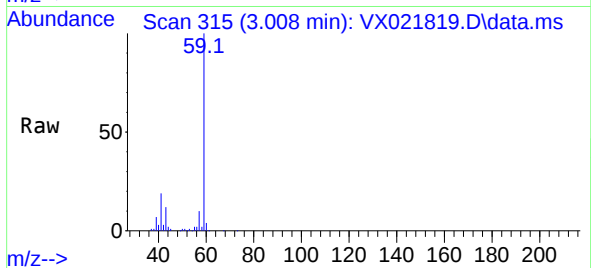


#11

Tert butyl alcohol
Concen: 283.34 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.005 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

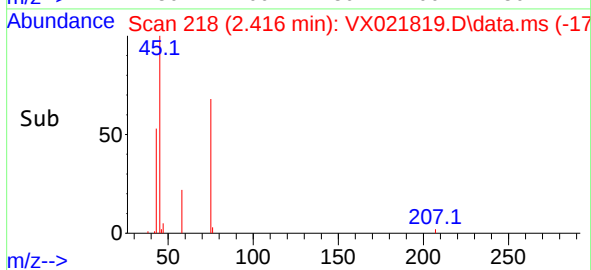
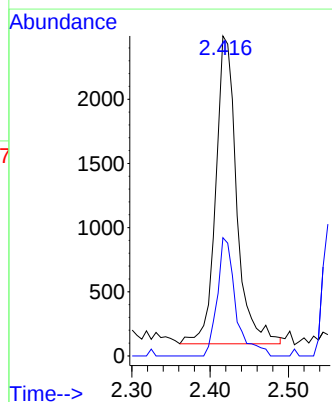
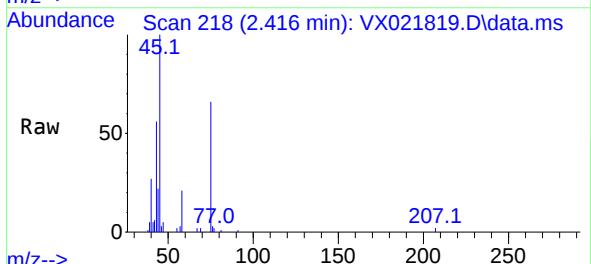
Tgt Ion: 59 Resp: 108805
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.8

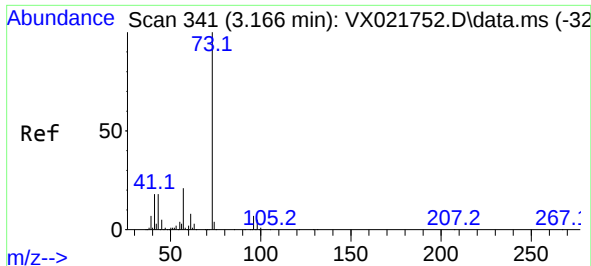


#16

Acetone
Concen: 7.42 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 43 Resp: 4474
Ion Ratio Lower Upper
43 100
58 38.4 27.8 41.8

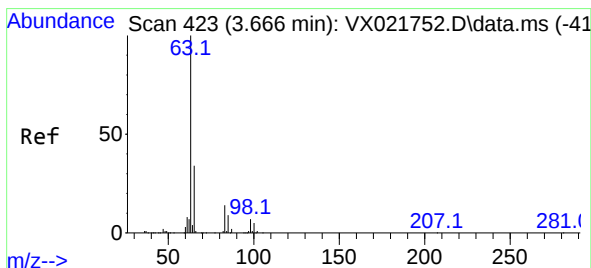
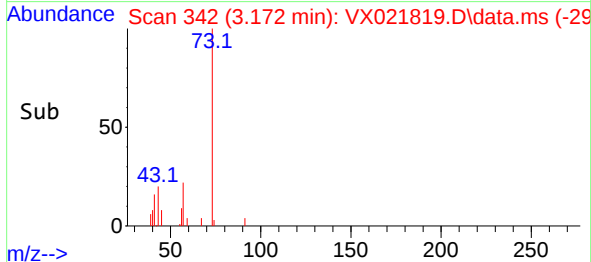
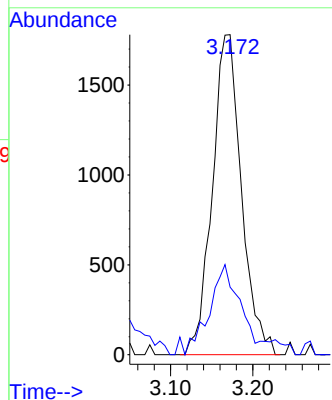
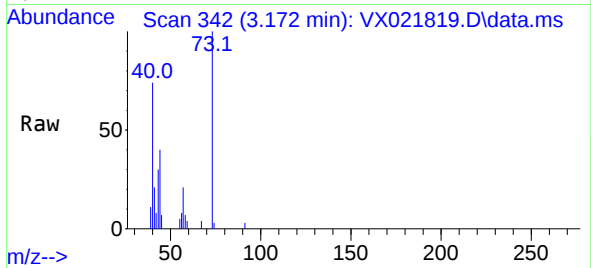




#19
Methyl tert-butyl Ether
Concen: 0.89 ug/l
RT: 3.172 min Scan# 342
Delta R.T. 0.006 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

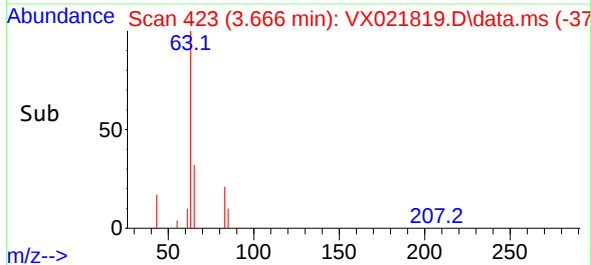
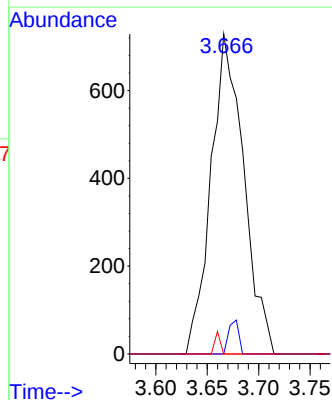
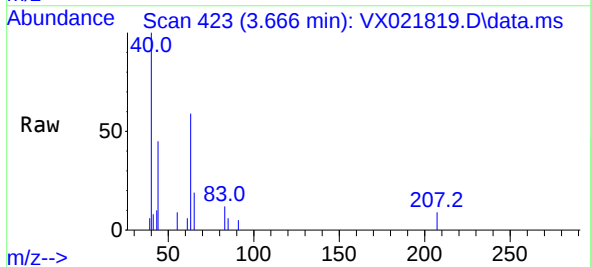
Instrument :
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ClientSampleId :
210421085-02-VOA

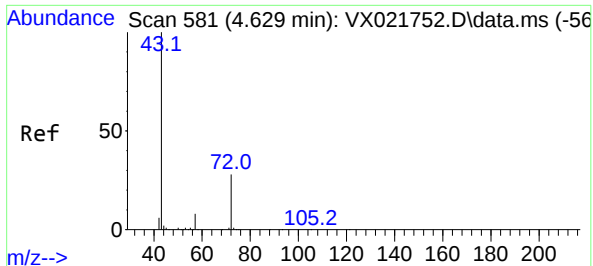
Tgt Ion: 73 Resp: 4385
Ion Ratio Lower Upper
73 100
57 17.7 17.1 25.7



#24
1,1-Dichloroethane
Concen: 0.59 ug/l
RT: 3.666 min Scan# 423
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 63 Resp: 1616
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#

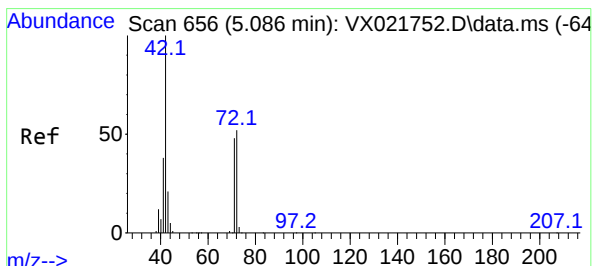
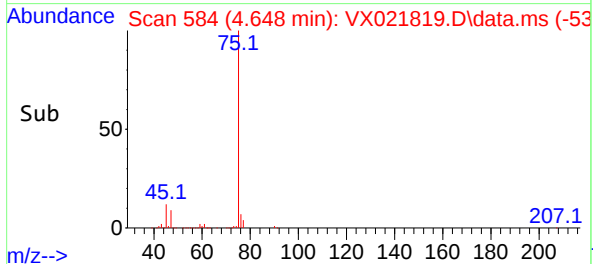
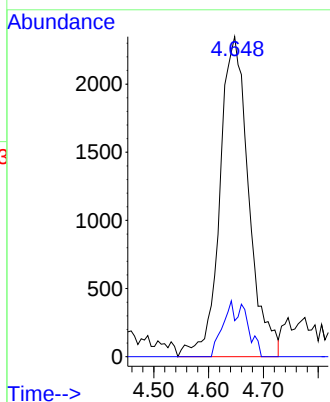
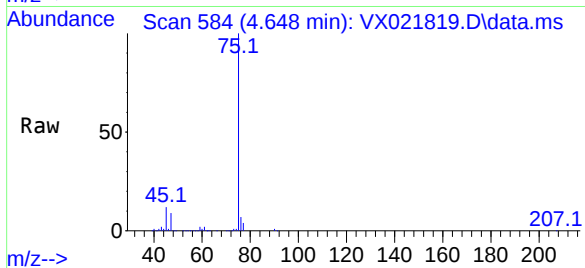




#25
2-Butanone
Concen: 8.40 ug/l
RT: 4.648 min Scan# 584
Delta R.T. 0.019 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

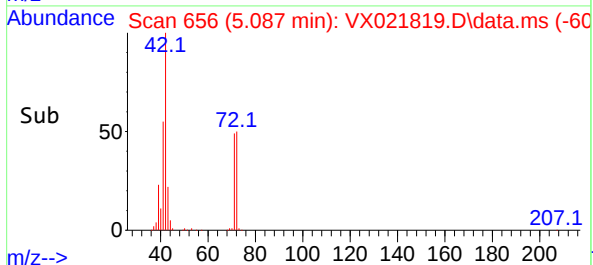
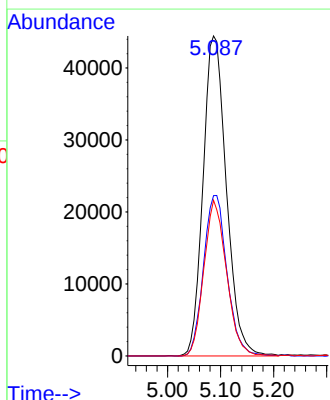
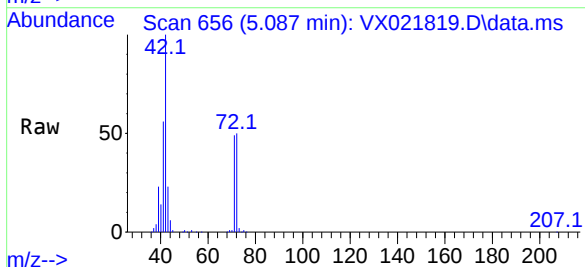
Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

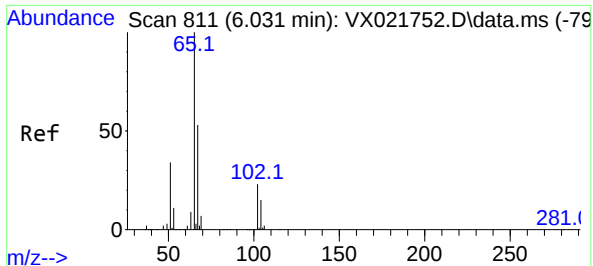
Tgt Ion: 43 Resp: 8580
Ion Ratio Lower Upper
43 100
72 11.3 23.7 35.5#



#29
Tetrahydrofuran
Concen: 204.83 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.001 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 42 Resp: 136055
Ion Ratio Lower Upper
42 100
72 50.5 41.7 62.5
71 47.2 38.4 57.6

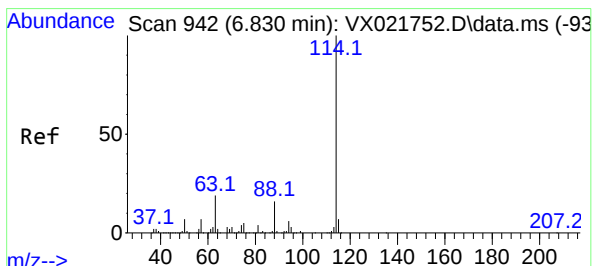
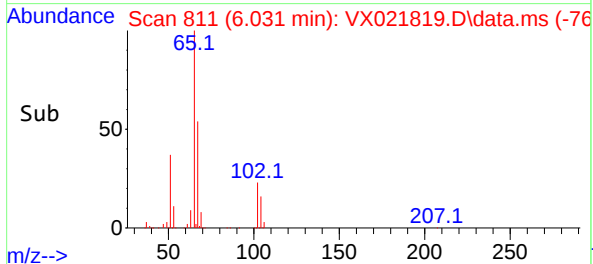
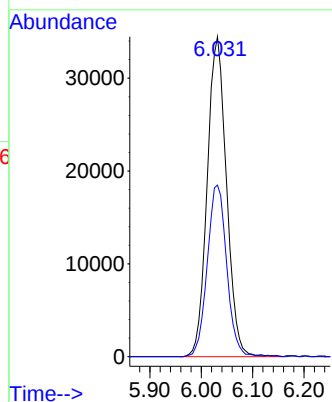
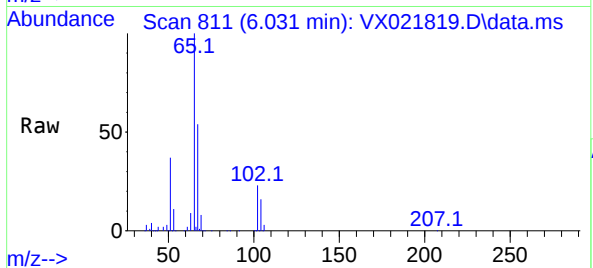




#33
1,2-Dichloroethane-d4
Concen: 51.18 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

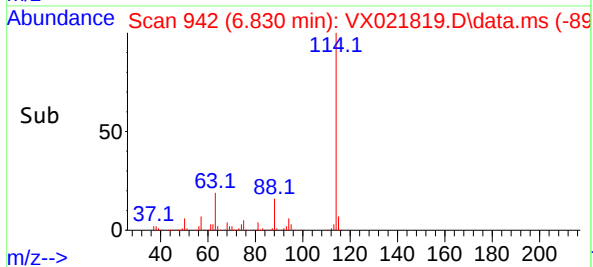
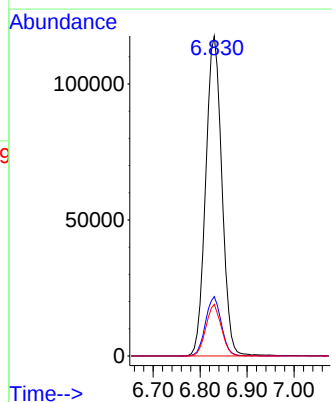
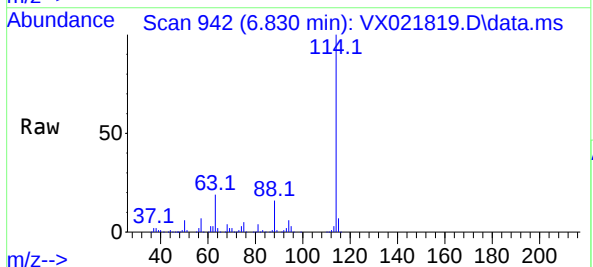
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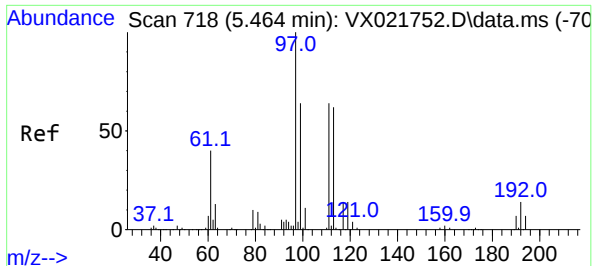
Tgt Ion: 65 Resp: 89759
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 114 Resp: 280252
Ion Ratio Lower Upper
114 100
63 18.6 0.0 40.8
88 16.2 0.0 32.8

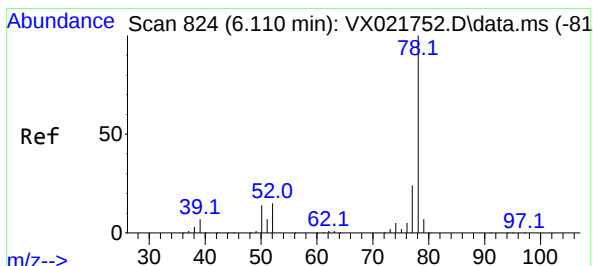
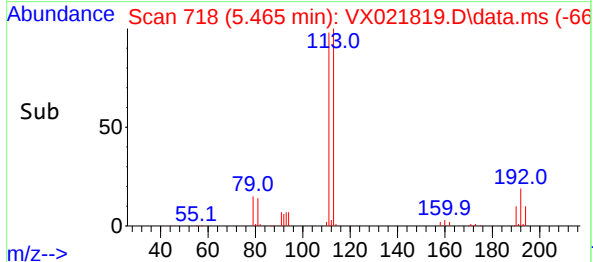
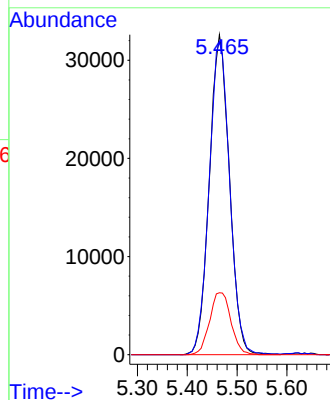
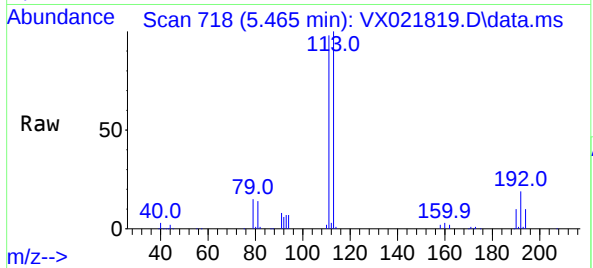




#35
Dibromofluoromethane
Concen: 50.90 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

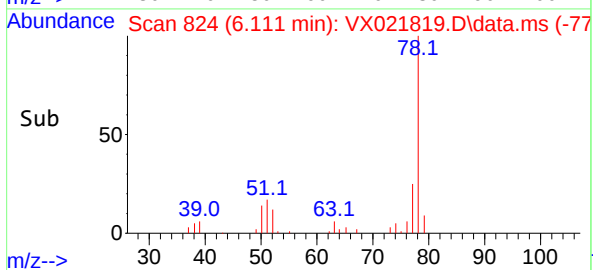
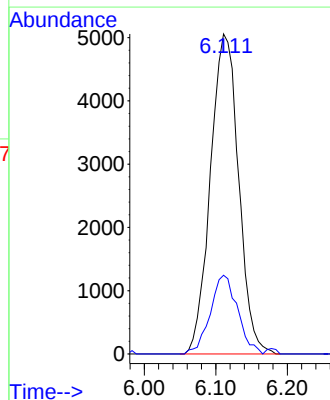
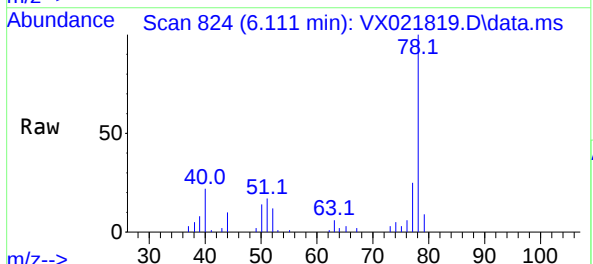
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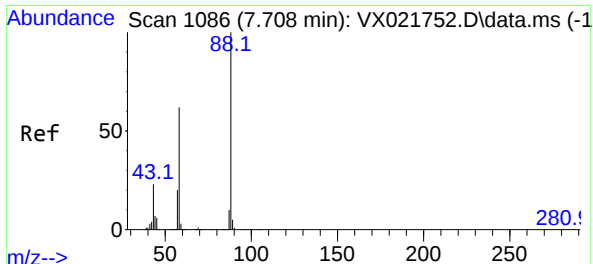
Tgt Ion:113	Resp:	91222
Ion	Ratio	Lower Upper
113	100	
111	100.3	81.9 122.9
192	20.5	16.7 25.1



#40
Benzene
Concen: 1.88 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.001 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 78	Resp:	13853
Ion	Ratio	Lower Upper
78	100	
77	24.6	18.9 28.3



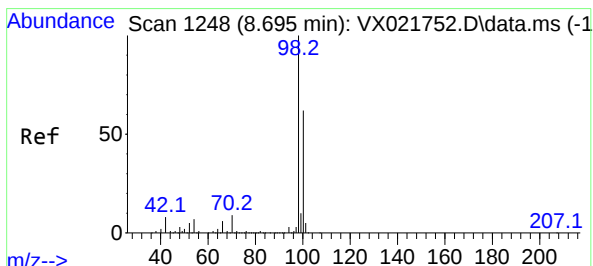
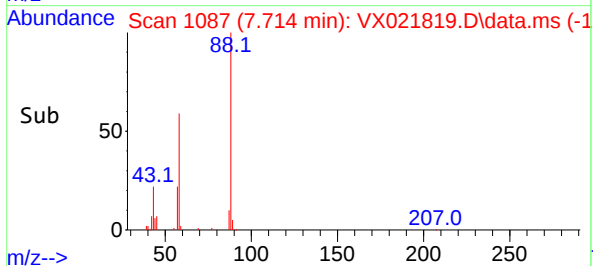
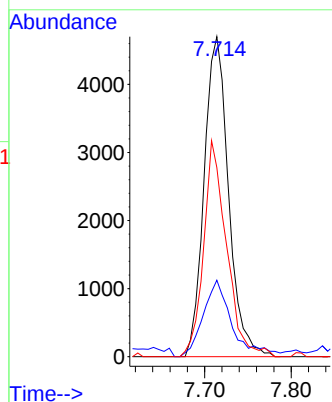
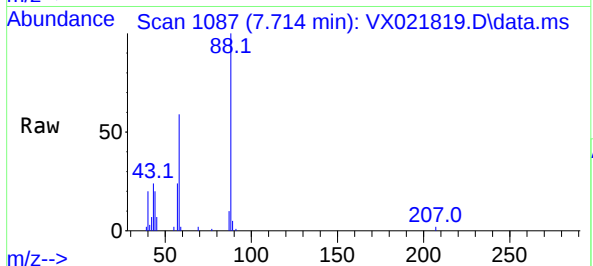


#49
1,4-Dioxane
Concen: 197.20 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

Tgt Ion: 88 Resp: 9194

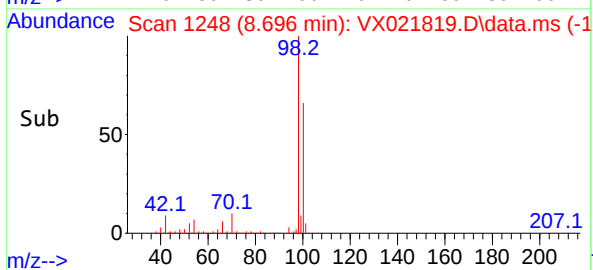
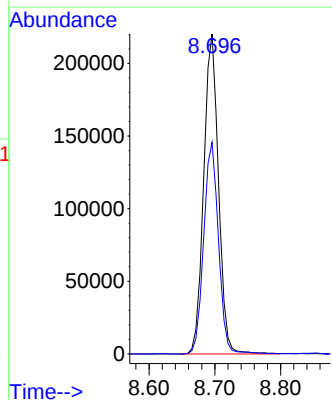
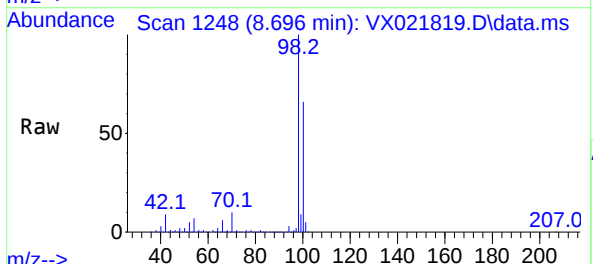
Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.2	34.8
58	63.6	55.0	82.4

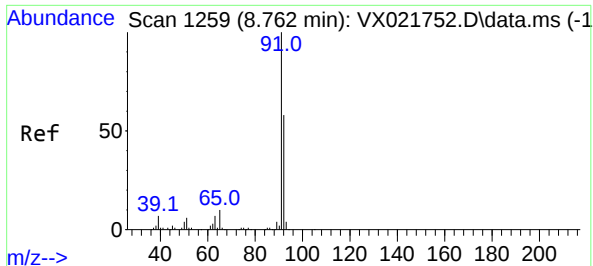


#50
Toluene-d8
Concen: 49.91 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.001 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 98 Resp: 343919

Ion	Ratio	Lower	Upper
98	100		
100	66.4	51.9	77.9

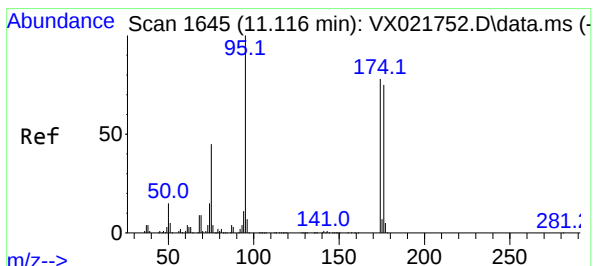
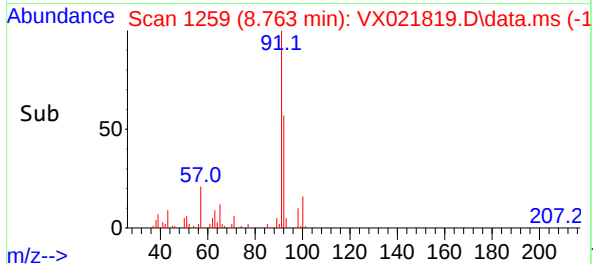
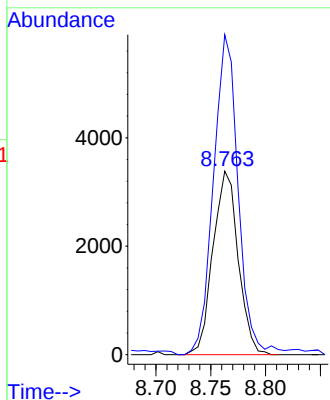
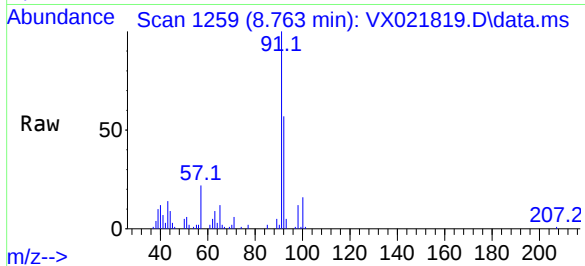




#52
Toluene
Concen: 1.13 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

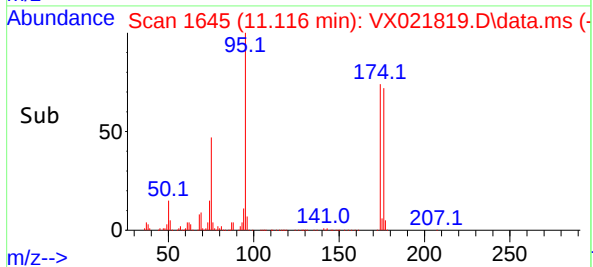
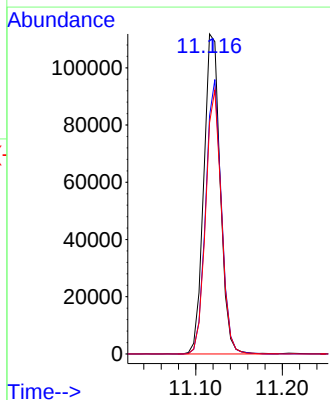
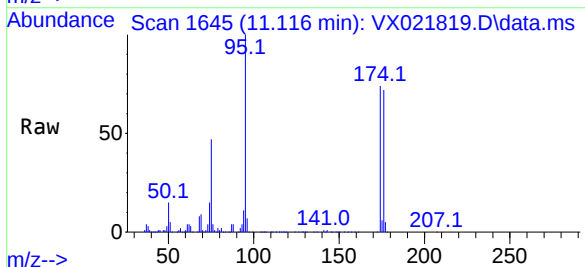
Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

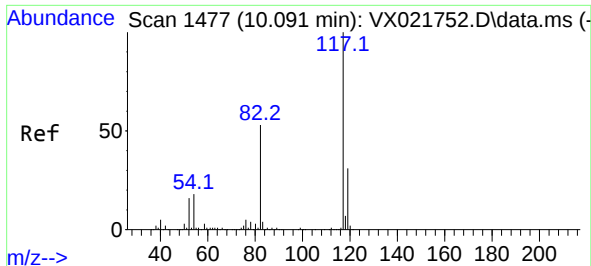
Tgt Ion: 92 Resp: 5410
Ion Ratio Lower Upper
92 100
91 171.0 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 57.13 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 95 Resp: 147013
Ion Ratio Lower Upper
95 100
174 81.6 0.0 154.6
176 79.0 0.0 155.8

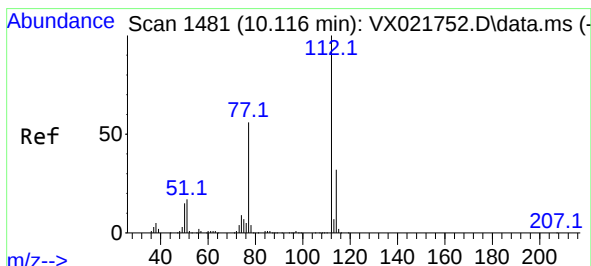
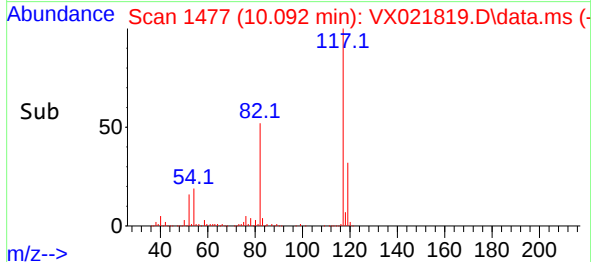
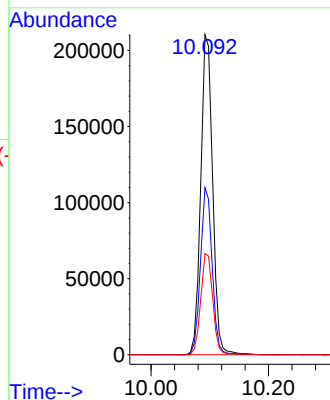
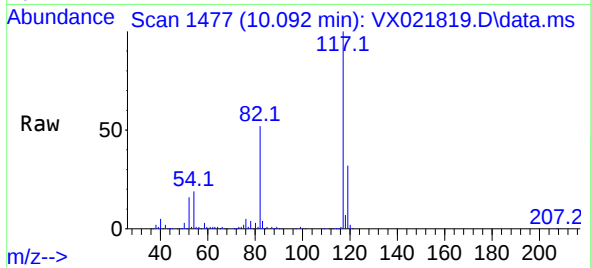




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

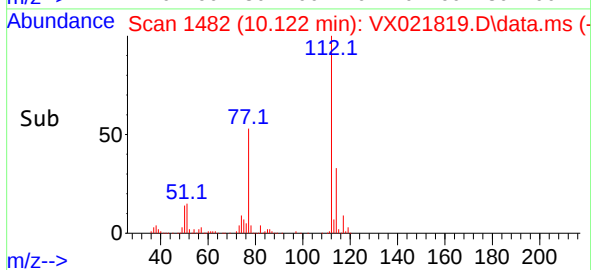
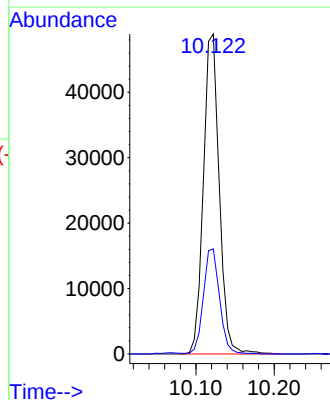
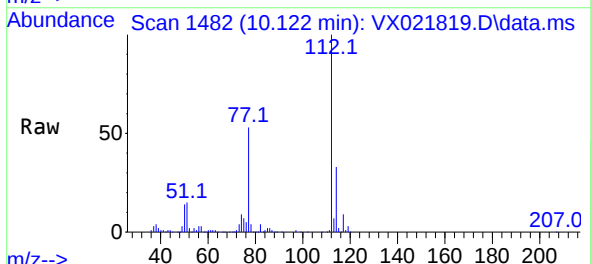
Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

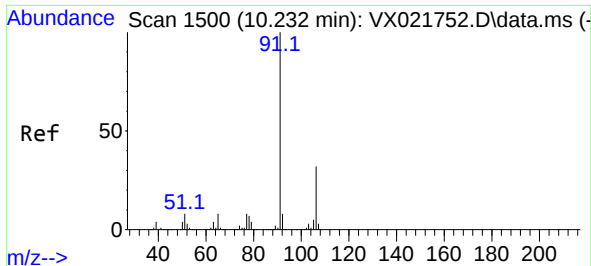
Tgt Ion:117 Resp: 296032
Ion Ratio Lower Upper
117 100
82 52.2 47.4 71.2
119 31.6 26.6 39.8



#65
Chlorobenzene
Concen: 11.25 ug/l
RT: 10.122 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion:112 Resp: 68768
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.6

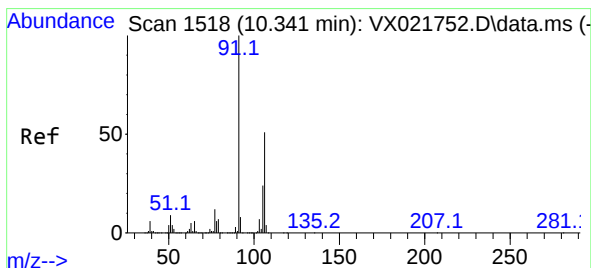
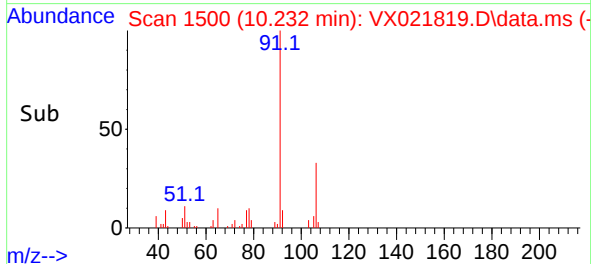
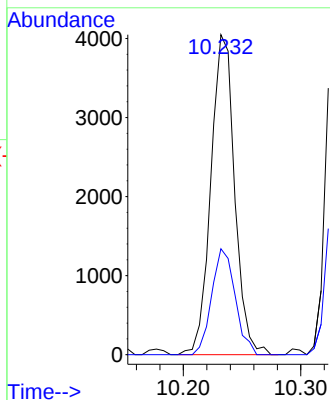
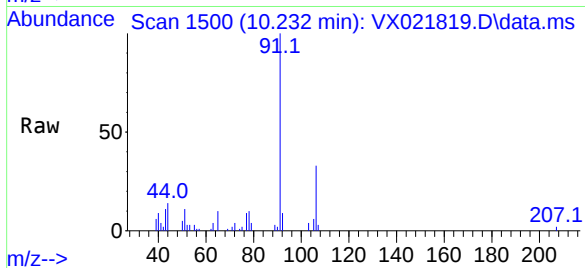




#67
Ethyl Benzene
Concen: 0.54 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

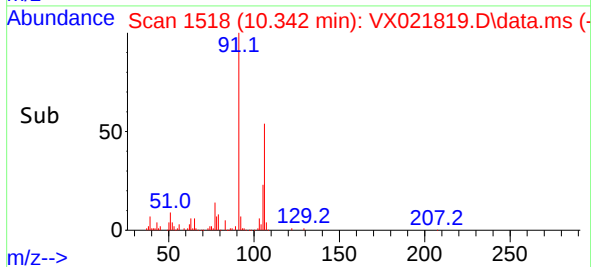
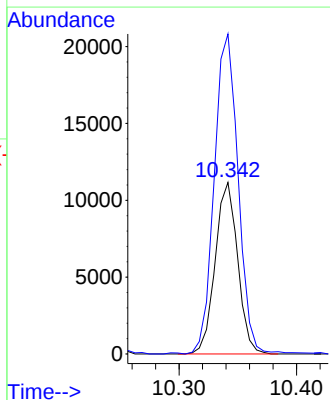
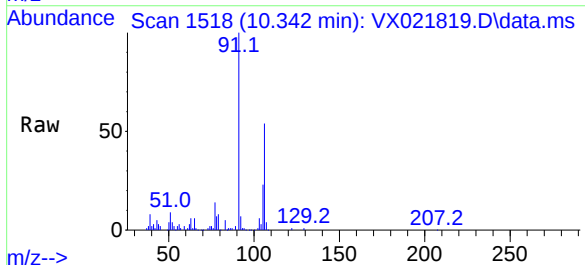
Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

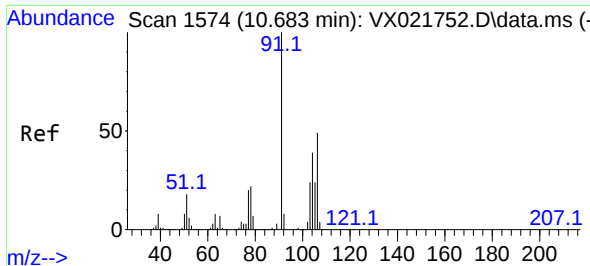
Tgt Ion: 91 Resp: 5692
Ion Ratio Lower Upper
91 100
106 33.1 24.6 37.0



#68
m/p-Xylenes
Concen: 3.62 ug/l
RT: 10.342 min Scan# 1518
Delta R.T. 0.001 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 106 Resp: 14833
Ion Ratio Lower Upper
106 100
91 198.9 162.8 244.2

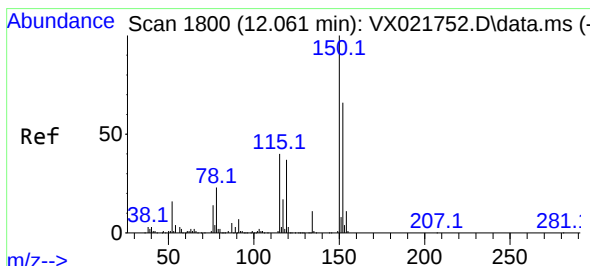
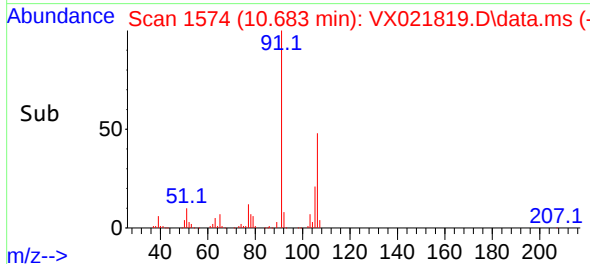
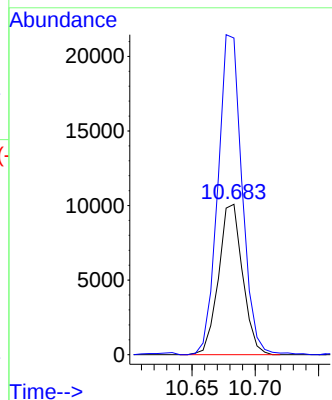
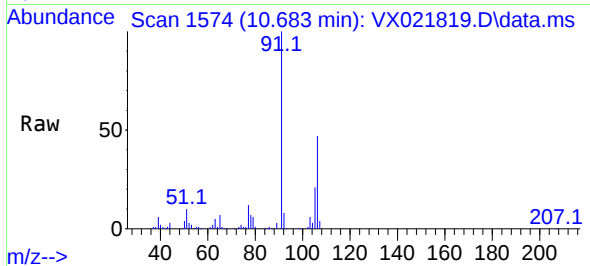




#69
o-Xylene
Concen: 3.37 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

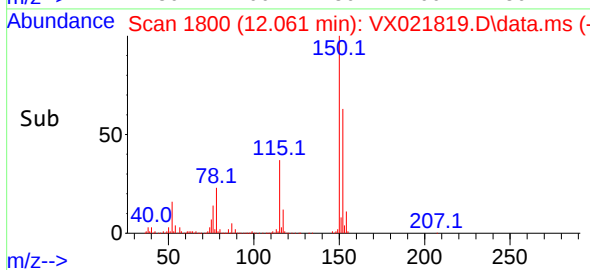
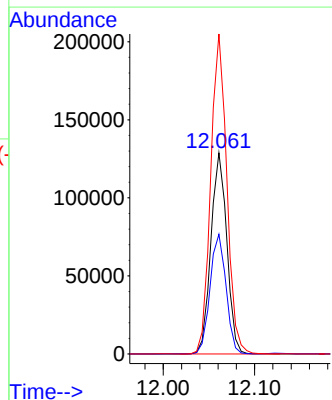
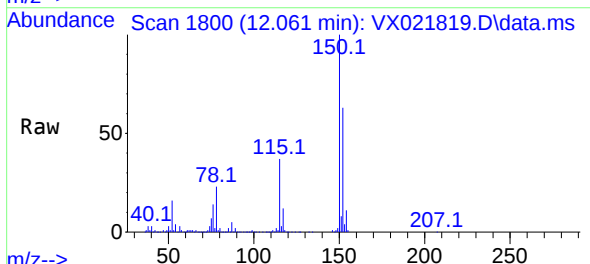
Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

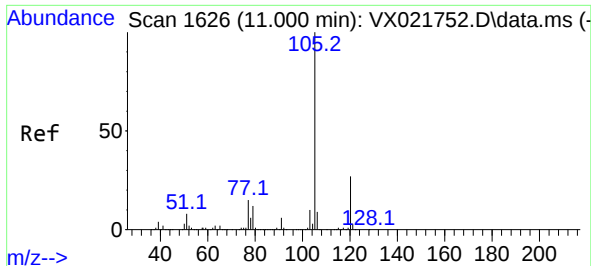
Tgt Ion:106 Resp: 13282
Ion Ratio Lower Upper
106 100
91 214.1 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion:152 Resp: 155201
Ion Ratio Lower Upper
152 100
115 59.5 41.1 123.3
150 161.0 0.0 349.0

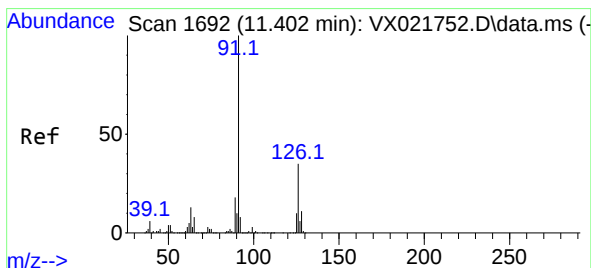
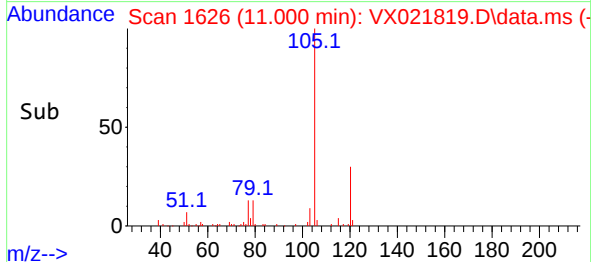
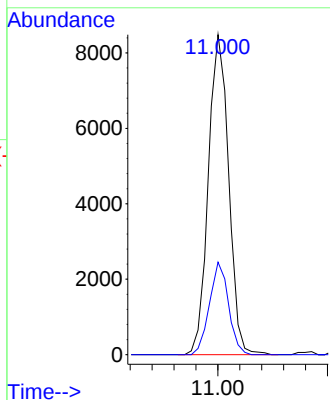
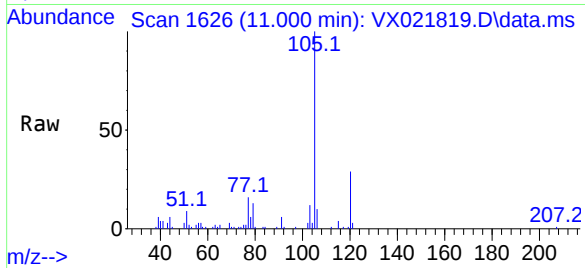




#73
Isopropylbenzene
Concen: 1.00 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

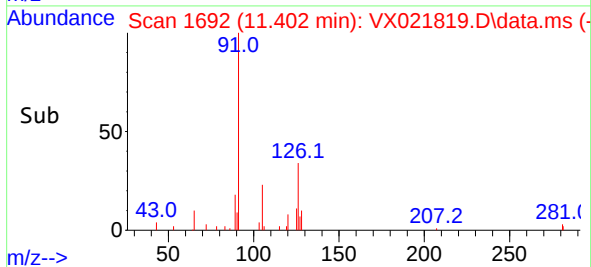
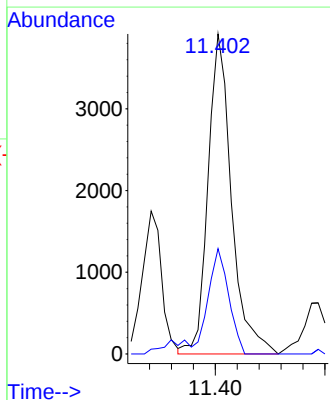
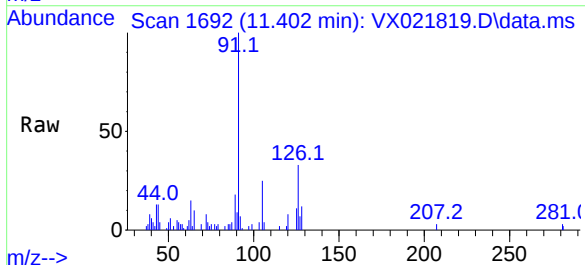
Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

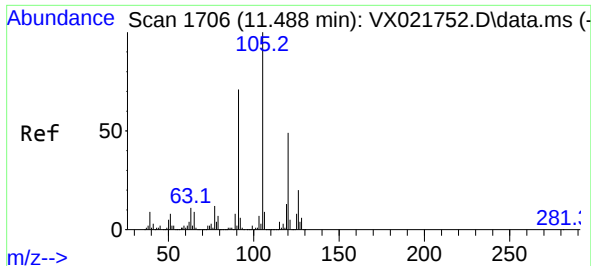
Tgt Ion:105 Resp: 10926
Ion Ratio Lower Upper
105 100
120 27.1 13.2 39.6



#79
2-Chlorotoluene
Concen: 0.82 ug/l
RT: 11.402 min Scan# 1692
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion: 91 Resp: 5821
Ion Ratio Lower Upper
91 100
126 28.6 16.6 49.8

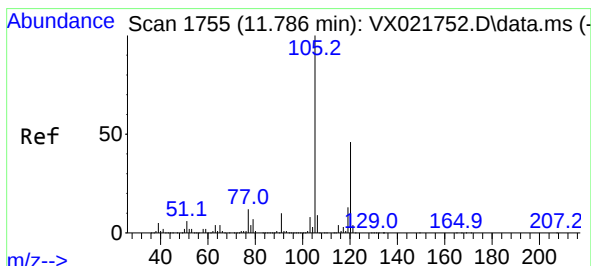
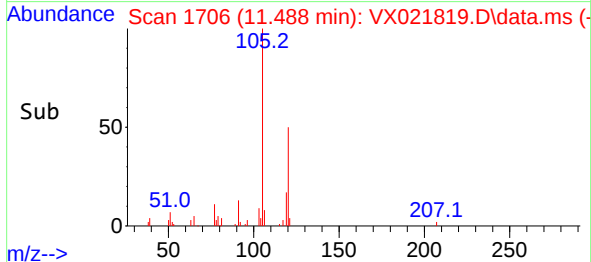
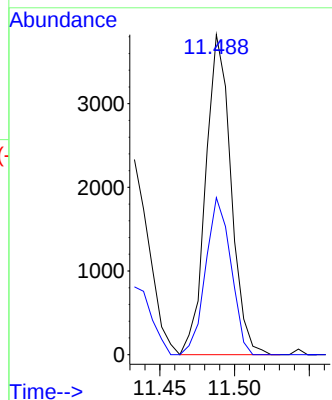
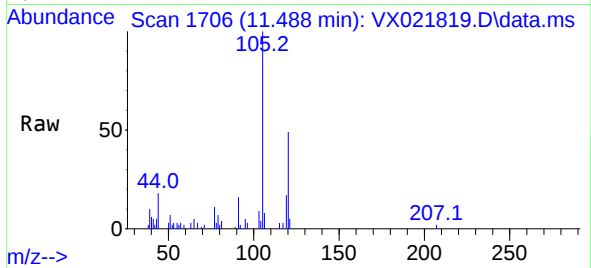




#80
1,3,5-Trimethylbenzene
Concen: 0.49 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

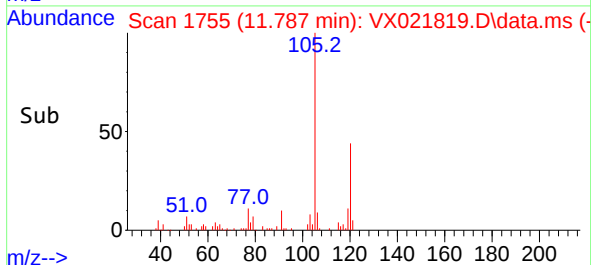
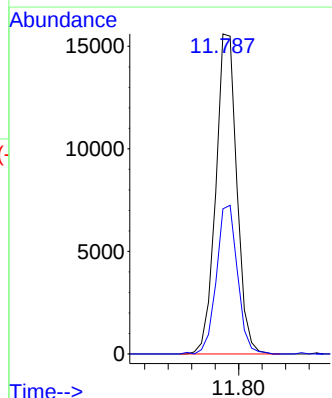
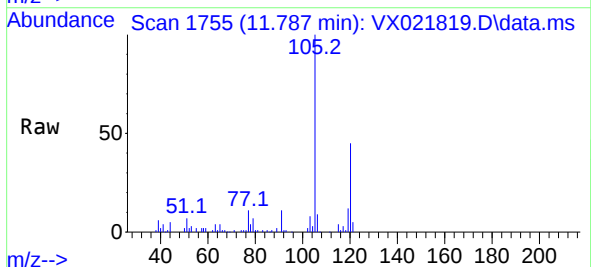
Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

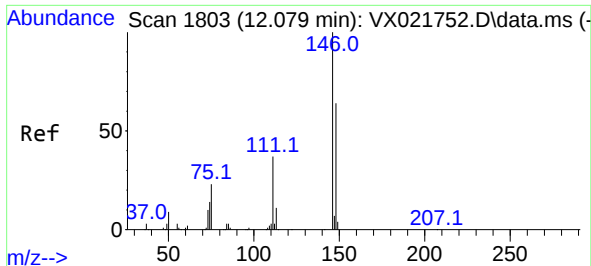
Tgt Ion:105 Resp: 4505
Ion Ratio Lower Upper
105 100
120 48.9 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 2.08 ug/l
RT: 11.787 min Scan# 1755
Delta R.T. 0.001 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion:105 Resp: 19392
Ion Ratio Lower Upper
105 100
120 46.7 22.4 67.3

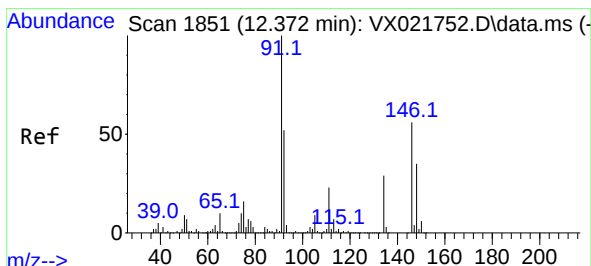
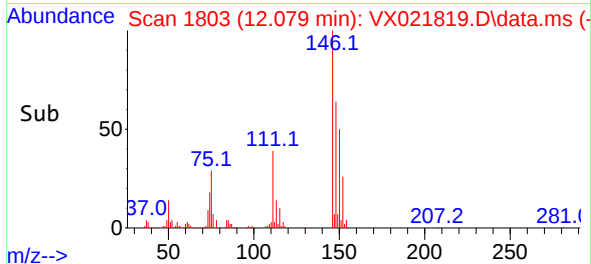
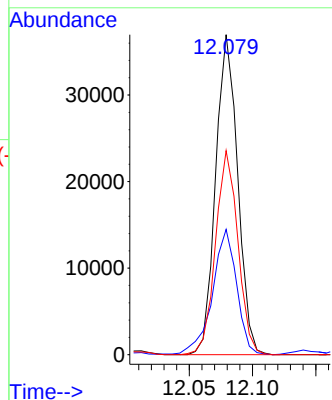
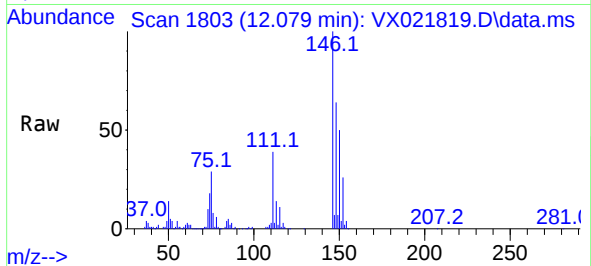




#88
1,4-Dichlorobenzene
Concen: 8.91 ug/l
RT: 12.079 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

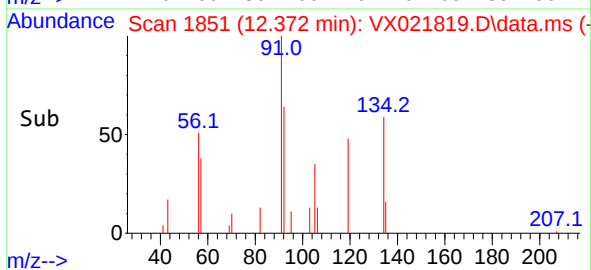
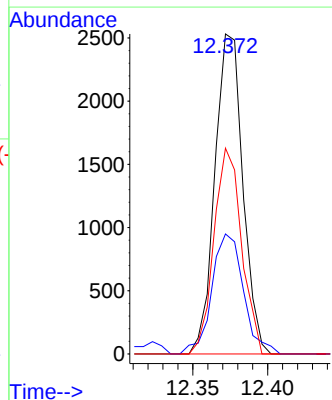
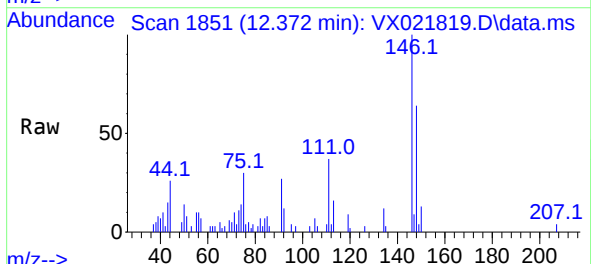
Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

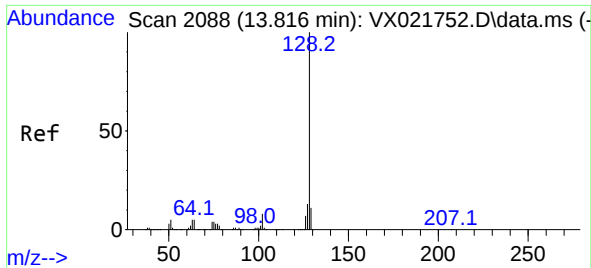
Tgt Ion:	146	Resp:	44716
Ion Ratio	Lower	Upper	
146	100		
111	43.3	19.6	58.8
148	64.8	31.6	95.0



#91
1,2-Dichlorobenzene
Concen: 0.69 ug/l
RT: 12.372 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Tgt Ion:	146	Resp:	3293
Ion Ratio	Lower	Upper	
146	100		
111	42.5	20.8	62.2
148	63.4	31.9	95.5





#95
Naphthalene
Concen: 4.72 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. 0.001 min
Lab File: VX021819.D
Acq: 22 Apr 2021 16:11

Instrument :
MSVOA_X
ClientSampleId :
210421085-02-VOA

Tgt Ion:	128	Resp:	49397
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.8	13.2

