

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071521\
 Data File : VX023306.D
 Acq On : 15 Jul 2021 17:59
 Operator : JC/MD
 Sample : M3058-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 210714106-02-VOA

Quant Time: Jul 16 03:53:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

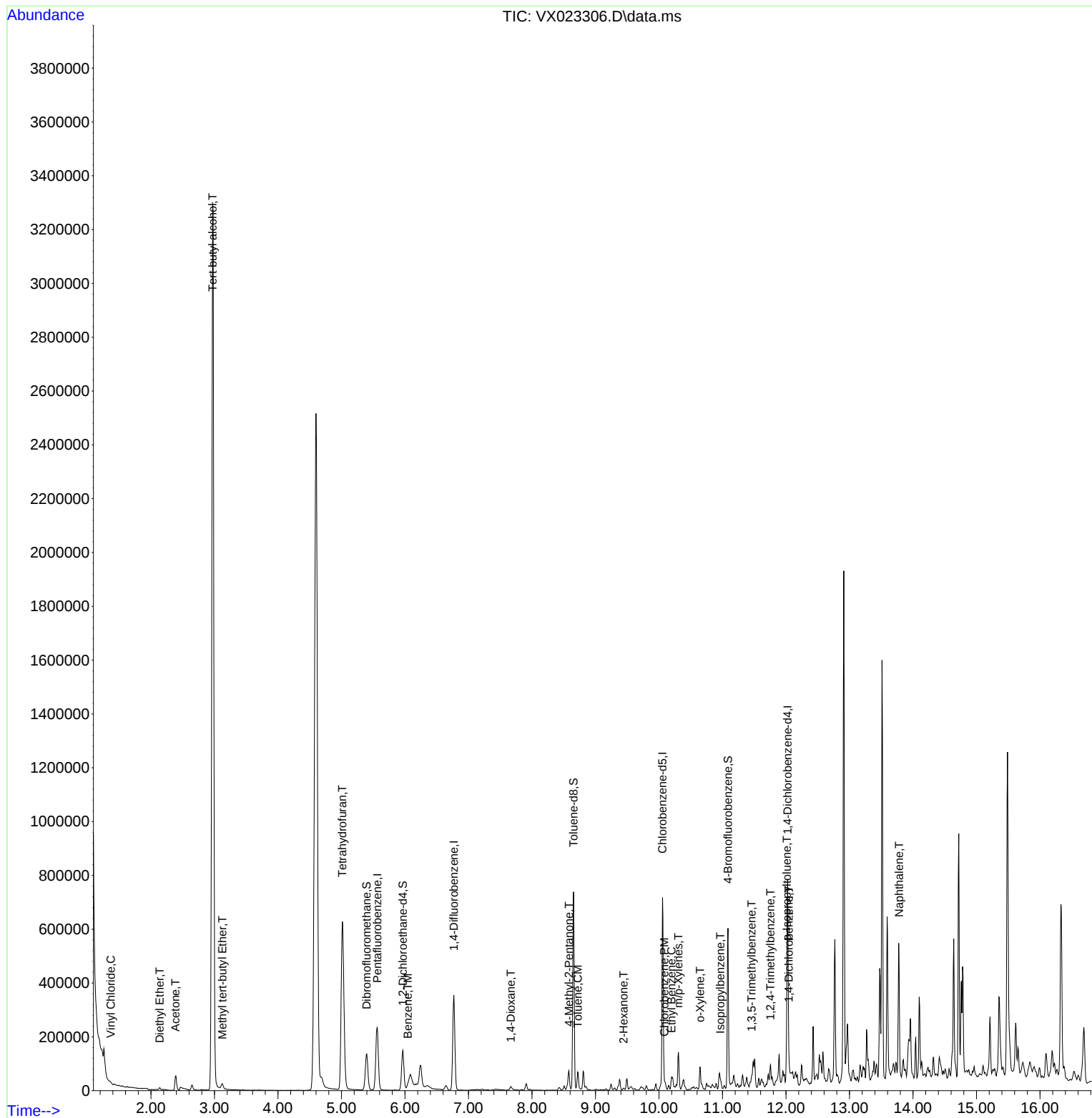
Internal Standards						
1) Pentafluorobenzene	5.562	168	218011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	357104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	317045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	148732	50.761	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.520%			
35) Dibromofluoromethane	5.397	113	111510	48.356	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.720%			
50) Toluene-d8	8.653	98	421277	48.974	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.940%			
62) 4-Bromofluorobenzene	11.085	95	155351	46.780	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.560%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.368	62	582	0.281	ug/l #	82
8) Diethyl Ether	2.136	74	2867	2.159	ug/l	81
11) Tert butyl alcohol	2.971	59	3917138	6354.759	ug/l	97
16) Acetone	2.386	43	42865	36.977	ug/l	89
19) Methyl tert-butyl Ether	3.123	73	19327	2.659	ug/l	100
29) Tetrahydrofuran	5.013	42	569292	506.635	ug/l	93
40) Benzene	6.044	78	22860	2.473	ug/l	97
49) 1,4-Dioxane	7.665	88	10431	163.515	ug/l #	95
51) 4-Methyl-2-Pentanone	8.580	43	44335	12.386	ug/l	87
52) Toluene	8.720	92	21370	3.573	ug/l	99
59) 2-Hexanone	9.439	43	2986	1.087	ug/l	93
65) Chlorobenzene	10.086	112	6079	0.970	ug/l #	86
67) Ethyl Benzene	10.195	91	25050	2.261	ug/l	96
68) m/p-Xylenes	10.305	106	28539	6.747	ug/l	98
69) o-Xylene	10.647	106	17753	4.164	ug/l	98
73) Isopropylbenzene	10.964	105	12533	1.288	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	8469	1.011	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	31252	3.773	ug/l	97
86) p-Isopropyltoluene	12.012	119	57642	6.713	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	17165	3.736	ug/l	91
95) Naphthalene	13.780	128	170601	17.393	ug/l	99

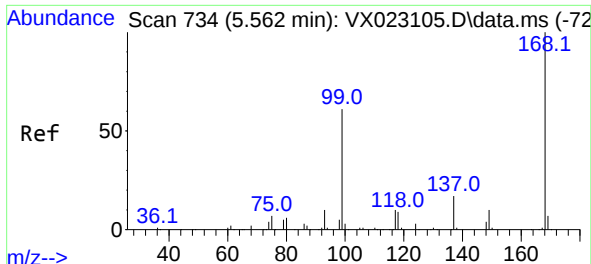
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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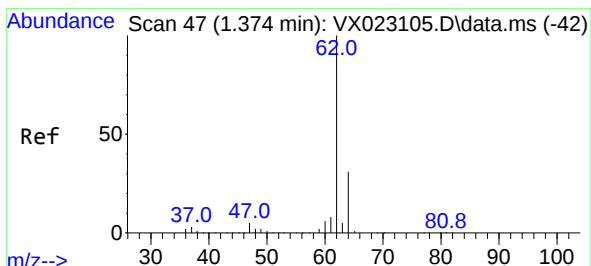
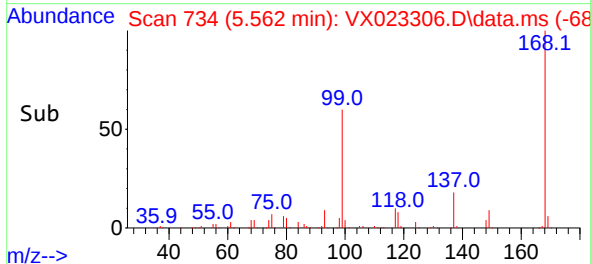
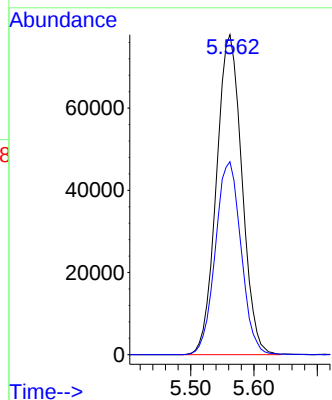
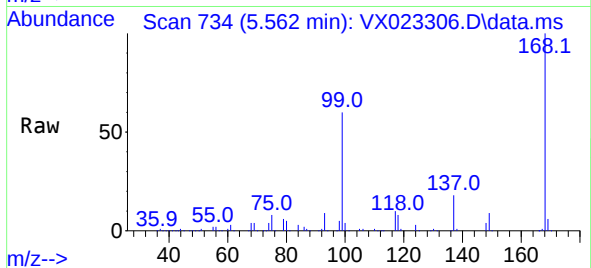




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

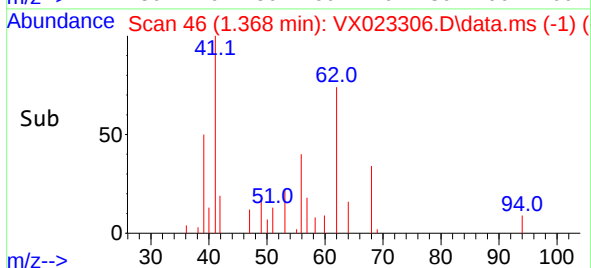
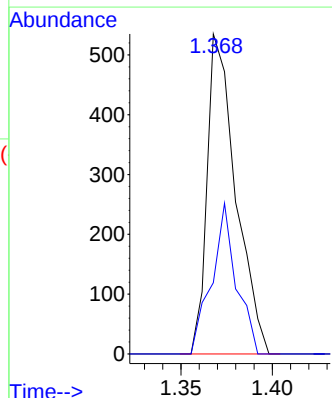
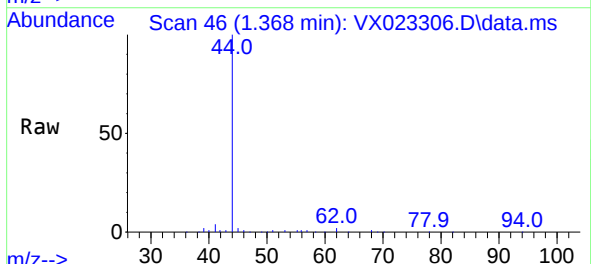
Instrument :
MSVOA_X
ClientSampleId :
210714106-02-VOA

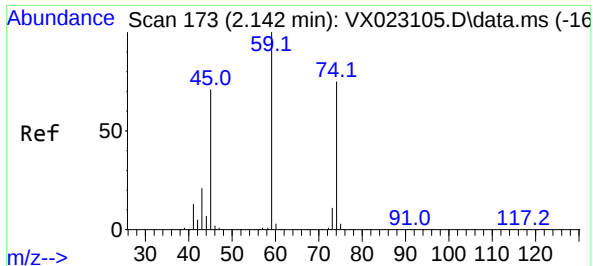
Tgt Ion:168 Resp: 218011
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#4
Vinyl Chloride
Concen: 0.281 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion: 62 Resp: 582
Ion Ratio Lower Upper
62 100
64 22.2 25.7 38.5#

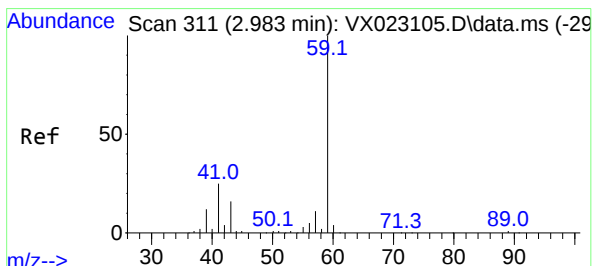
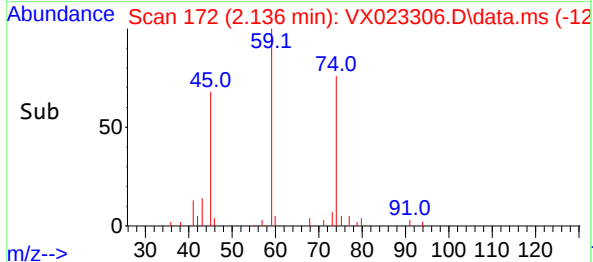
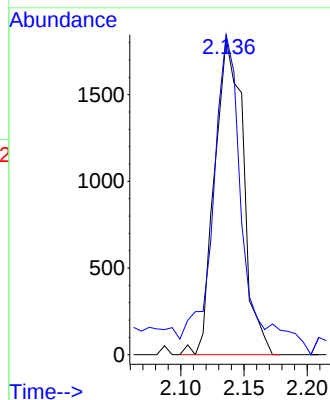
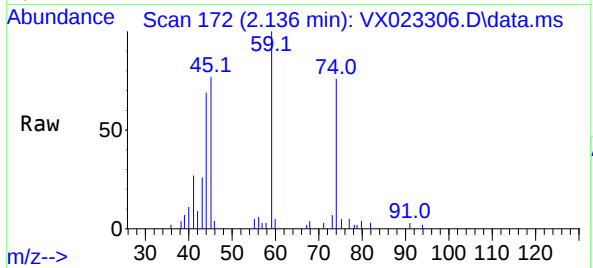




#8
Diethyl Ether
Concen: 2.159 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.006 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

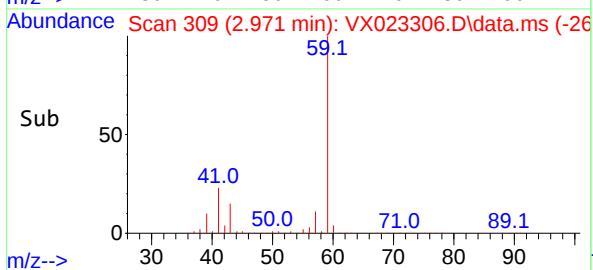
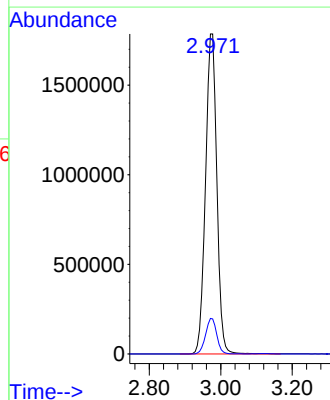
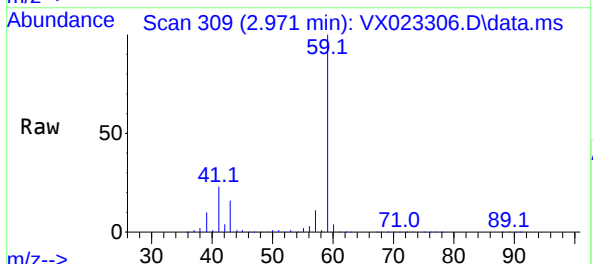
Instrument :
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ClientSampleId :
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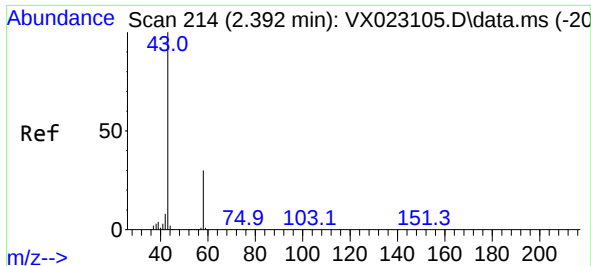
Tgt Ion: 74 Resp: 2867
Ion Ratio Lower Upper
74 100
45 106.4 44.5 133.5



#11
Tert butyl alcohol
Concen: 6354.759 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion: 59 Resp: 3917138
Ion Ratio Lower Upper
59 100
57 10.9 7.8 11.8

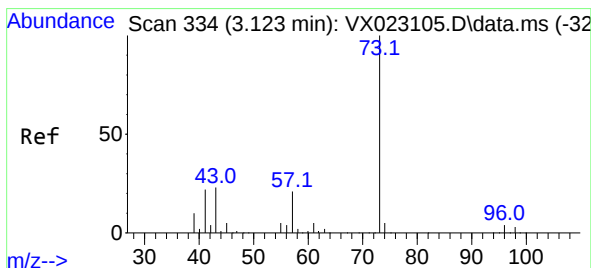
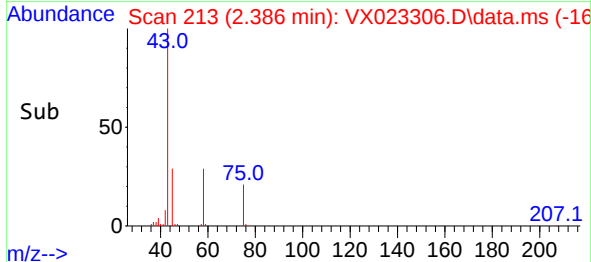
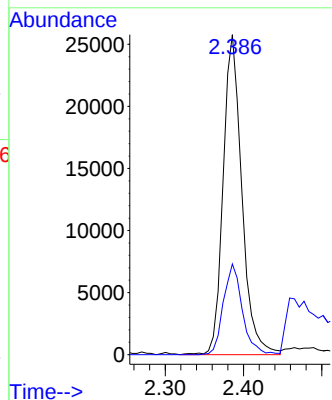
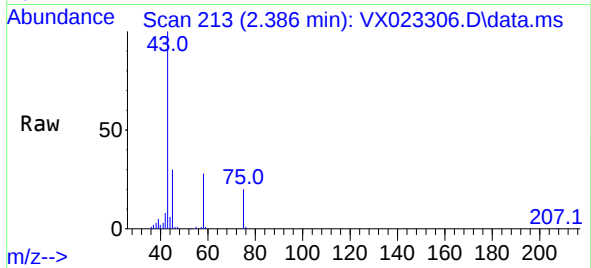




#16
Acetone
Concen: 36.977 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

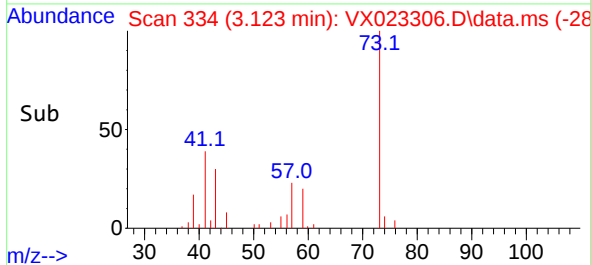
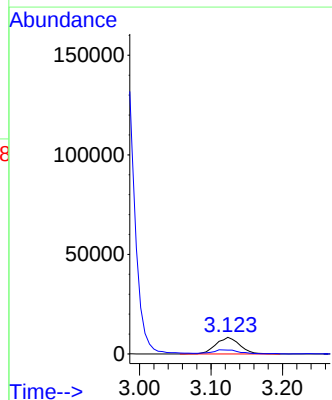
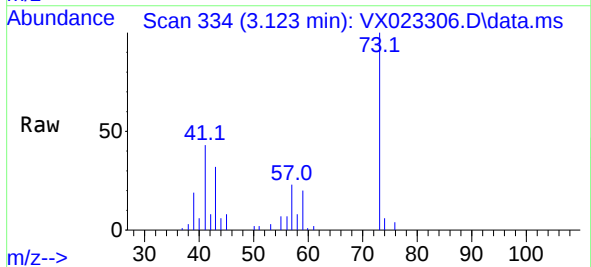
Instrument :
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ClientSampleId :
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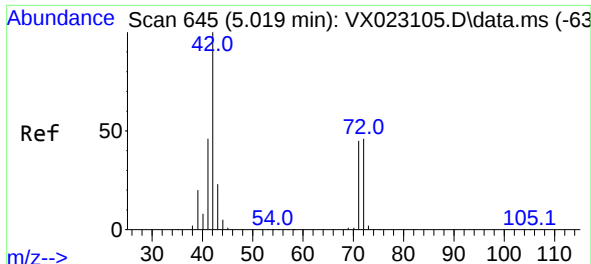
Tgt Ion: 43 Resp: 42865
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8



#19
Methyl tert-butyl Ether
Concen: 2.659 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion: 73 Resp: 19327
Ion Ratio Lower Upper
73 100
57 21.3 17.1 25.7

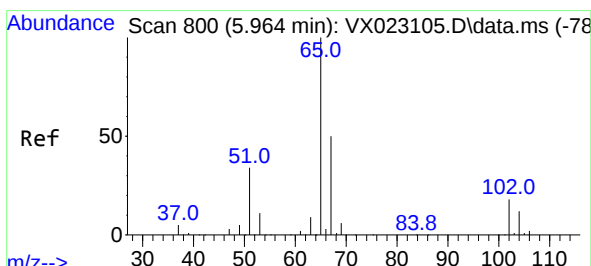
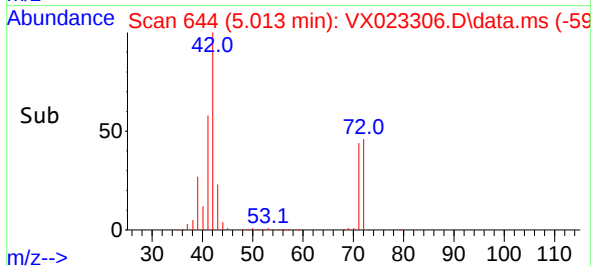
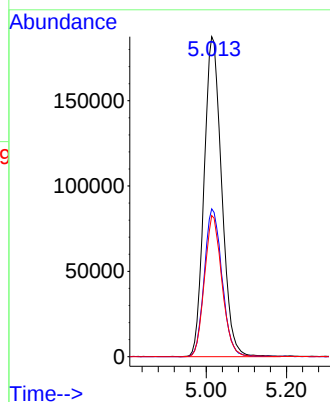
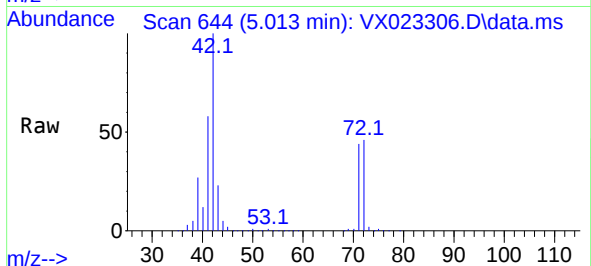




#29
Tetrahydrofuran
Concen: 506.635 ug/l
RT: 5.013 min Scan# 644
Delta R.T. -0.006 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

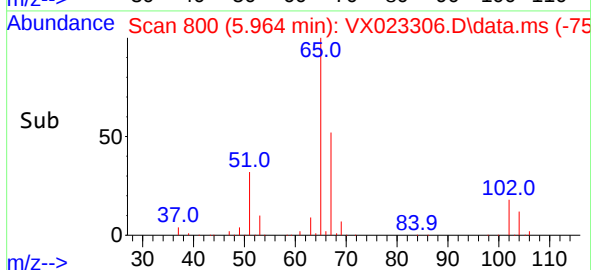
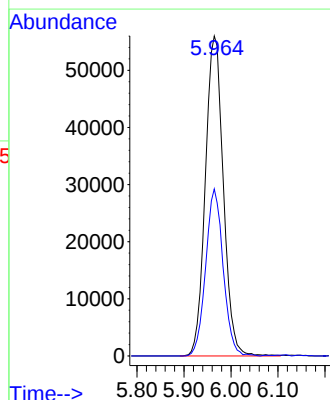
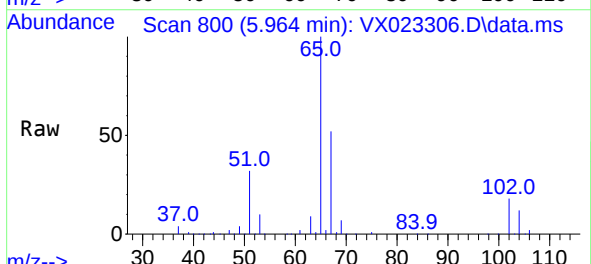
Instrument :
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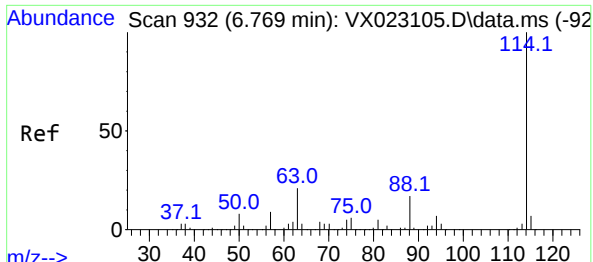
Tgt Ion: 42 Resp: 569292
Ion Ratio Lower Upper
42 100
72 46.6 41.7 62.5
71 43.7 38.4 57.6



#33
1,2-Dichloroethane-d4
Concen: 50.761 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion: 65 Resp: 148732
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4

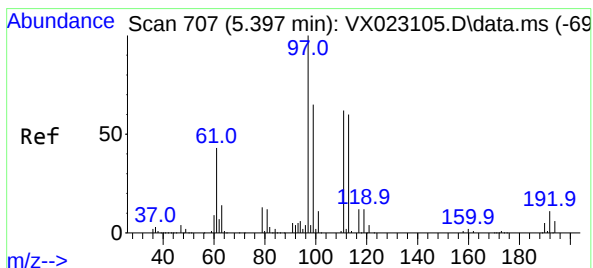
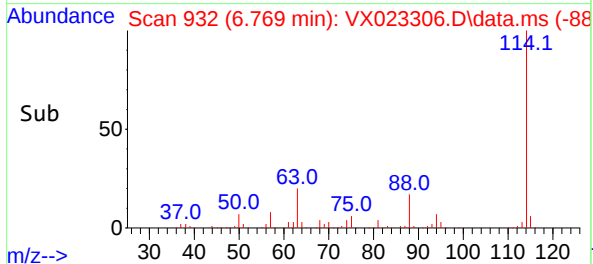
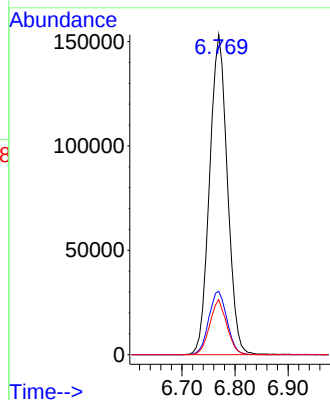
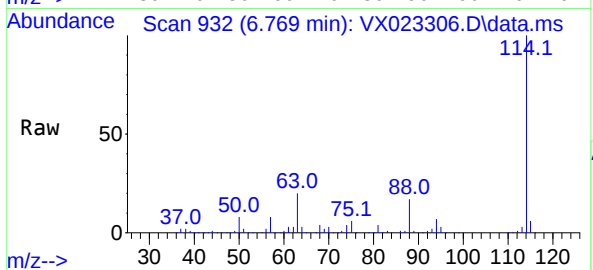




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

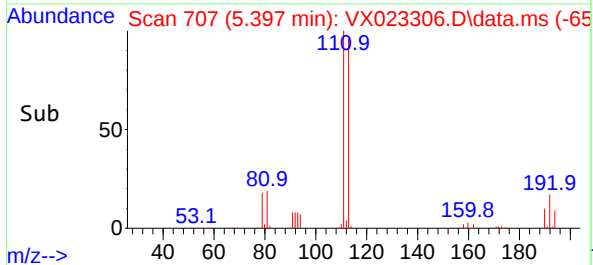
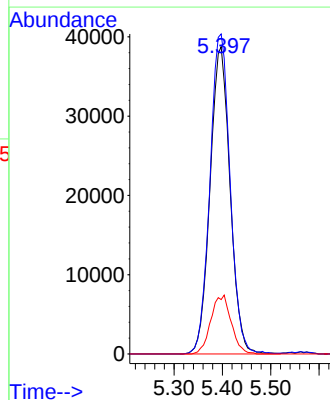
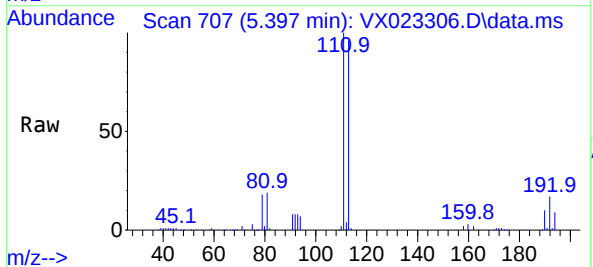
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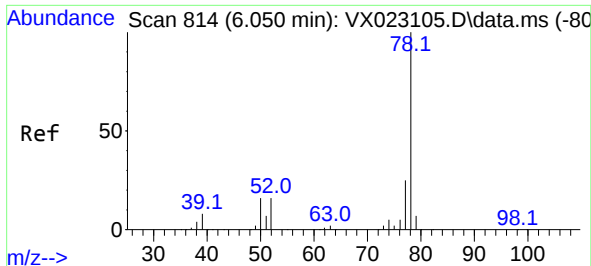
Tgt Ion:114 Resp: 357104
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.356 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion:113 Resp: 111510
Ion Ratio Lower Upper
113 100
111 105.2 81.9 122.9
192 19.5 16.7 25.1

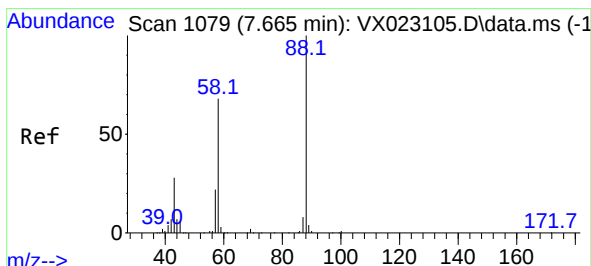
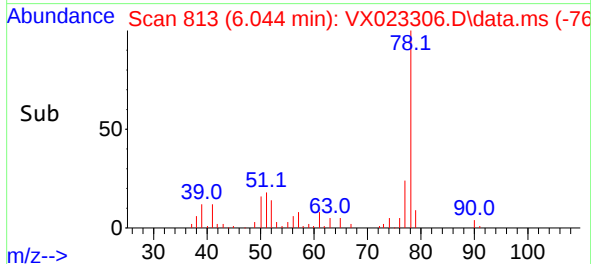
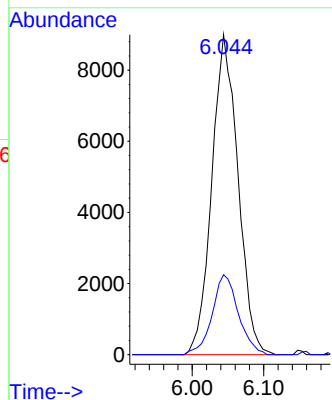
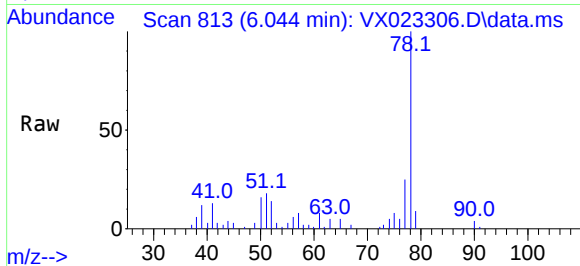




#40
Benzene
Concen: 2.473 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

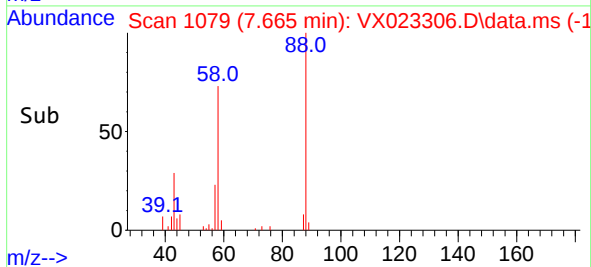
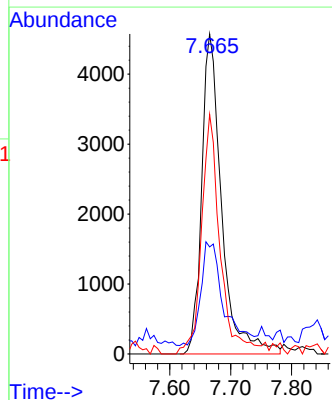
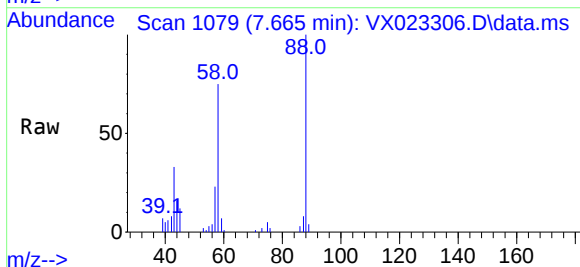
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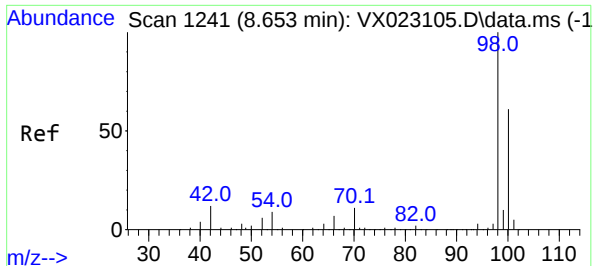
Tgt Ion: 78 Resp: 22860
Ion Ratio Lower Upper
78 100
77 25.0 18.9 28.3



#49
1,4-Dioxane
Concen: 163.515 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion: 88 Resp: 10431
Ion Ratio Lower Upper
88 100
43 36.4 23.2 34.8#
58 70.0 55.0 82.4

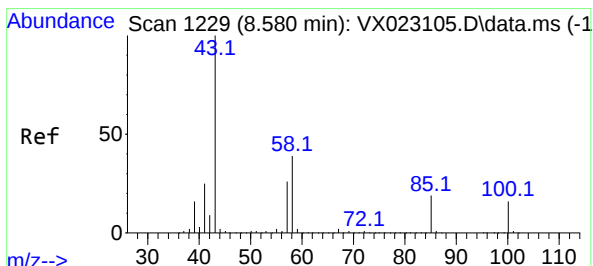
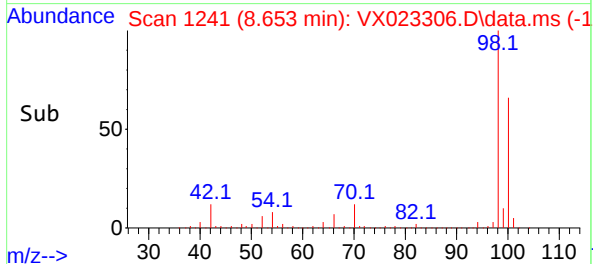
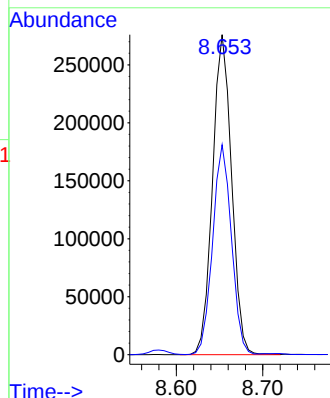
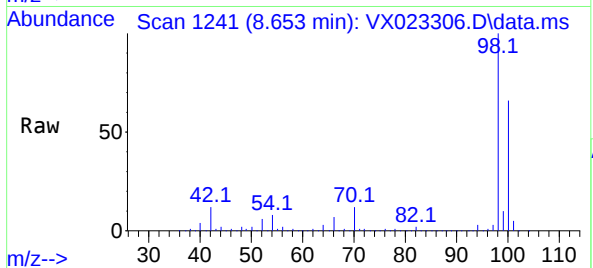




#50
Toluene-d8
Concen: 48.974 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

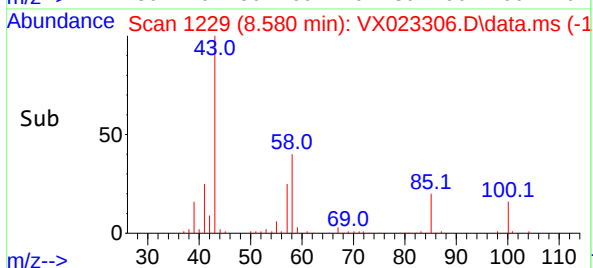
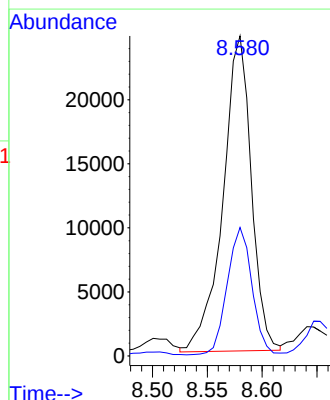
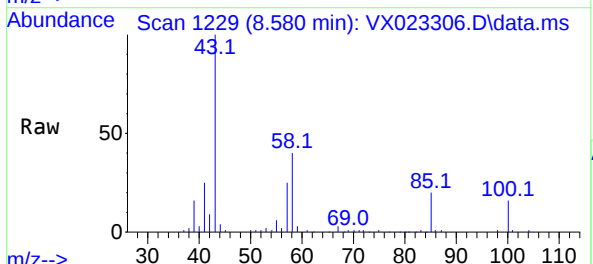
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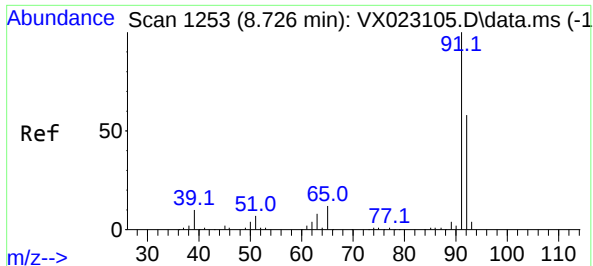
Tgt Ion: 98 Resp: 421277
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 12.386 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion: 43 Resp: 44335
Ion Ratio Lower Upper
43 100
58 35.6 35.4 53.0

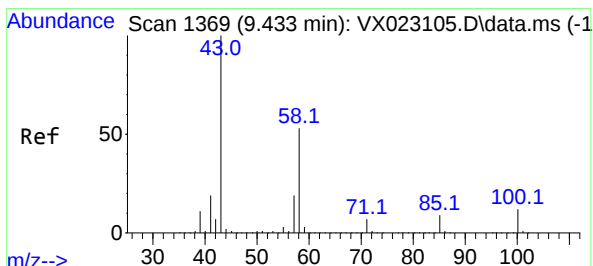
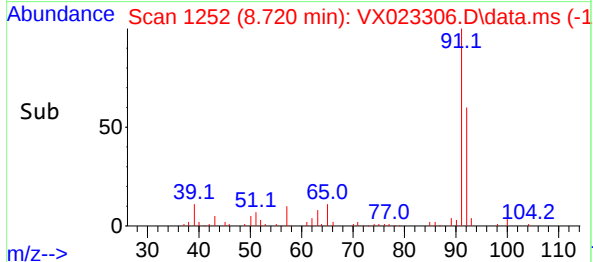
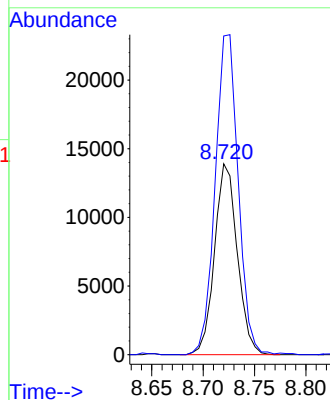
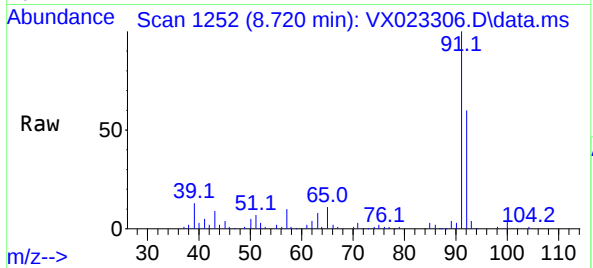




#52
Toluene
Concen: 3.573 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

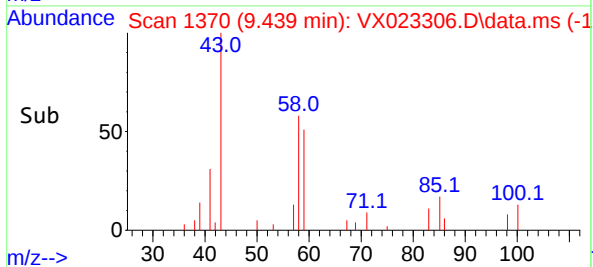
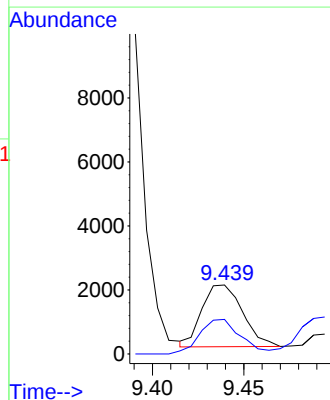
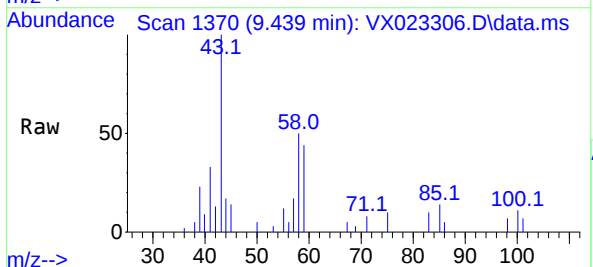
Instrument :
MSVOA_X
ClientSampleId :
210714106-02-VOA

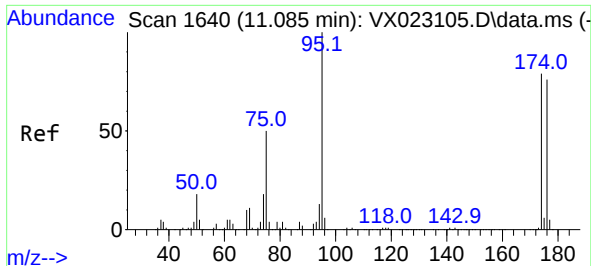
Tgt Ion: 92 Resp: 21370
Ion Ratio Lower Upper
92 100
91 170.0 137.1 205.7



#59
2-Hexanone
Concen: 1.087 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion: 43 Resp: 2986
Ion Ratio Lower Upper
43 100
58 56.2 30.9 92.8

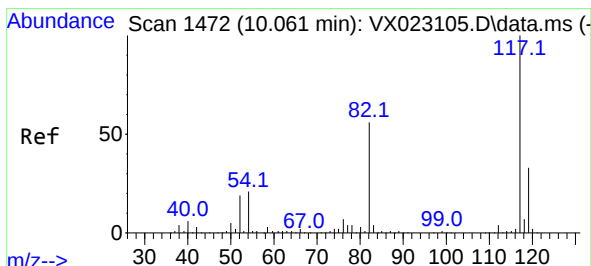
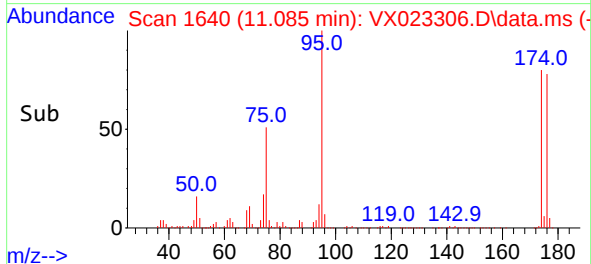
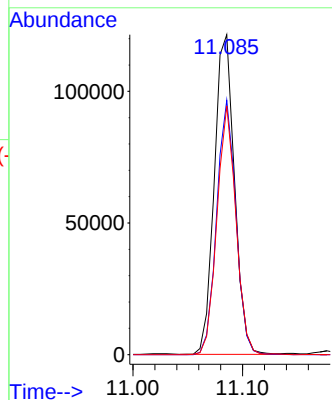
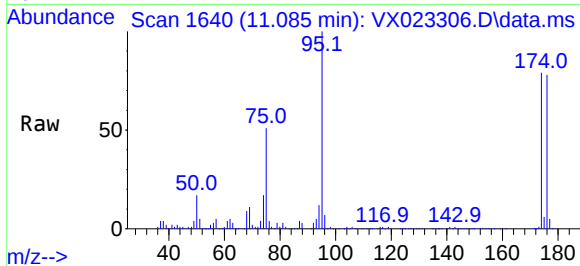




#62
4-Bromofluorobenzene
Concen: 46.780 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

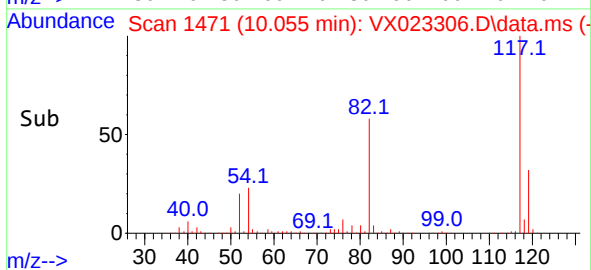
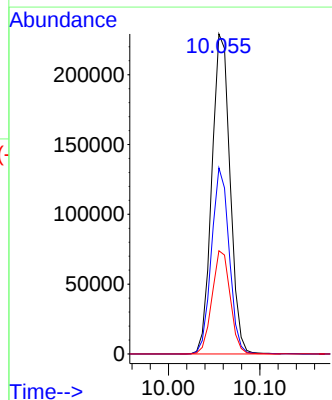
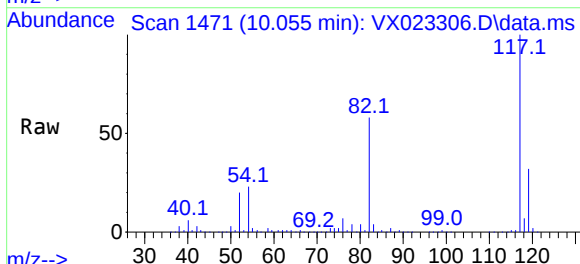
Instrument :
MSVOA_X
ClientSampleId :
210714106-02-VOA

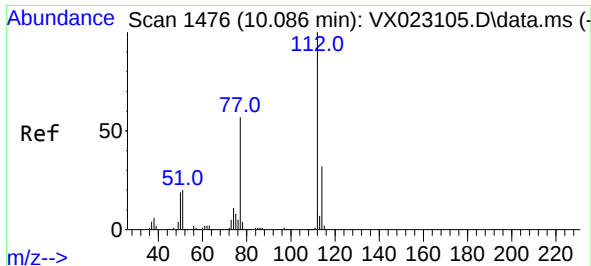
Tgt Ion: 95 Resp: 155351
Ion Ratio Lower Upper
95 100
174 75.7 0.0 154.6
176 73.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion: 117 Resp: 317045
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.3 26.6 39.8

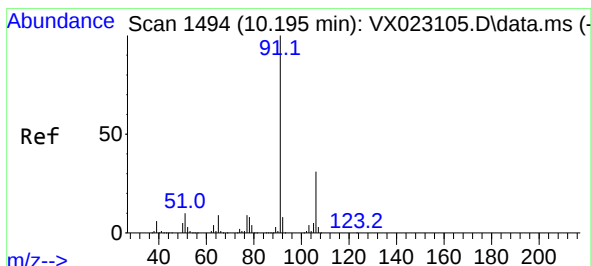
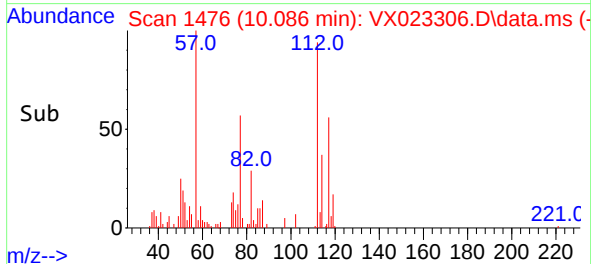
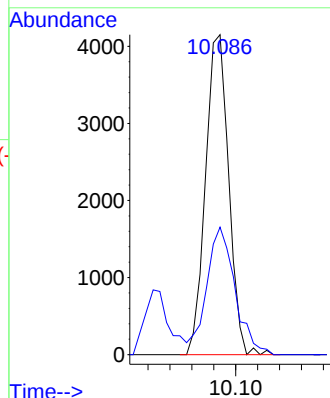
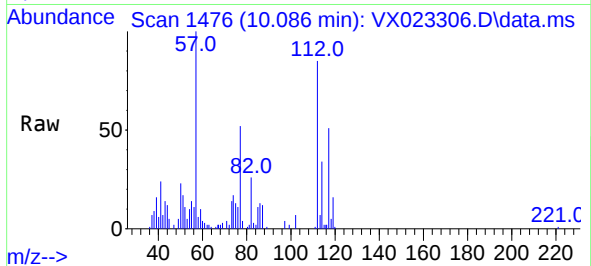




#65
Chlorobenzene
Concen: 0.970 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

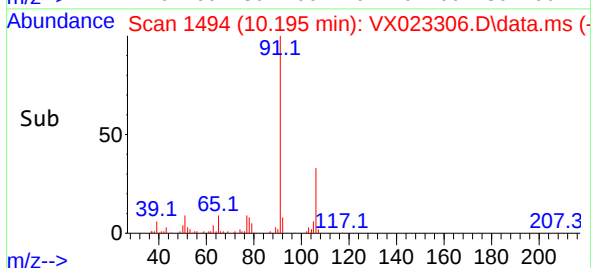
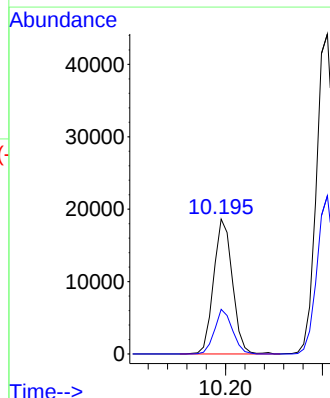
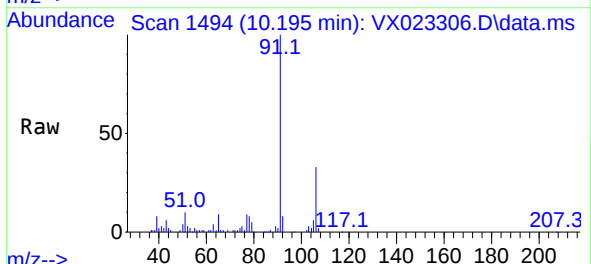
Instrument :
MSVOA_X
ClientSampleId :
210714106-02-VOA

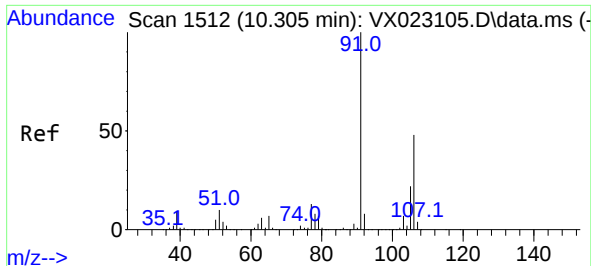
Tgt Ion:112 Resp: 6079
Ion Ratio Lower Upper
112 100
114 39.8 25.8 38.6#



#67
Ethyl Benzene
Concen: 2.261 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion: 91 Resp: 25050
Ion Ratio Lower Upper
91 100
106 33.1 24.6 37.0

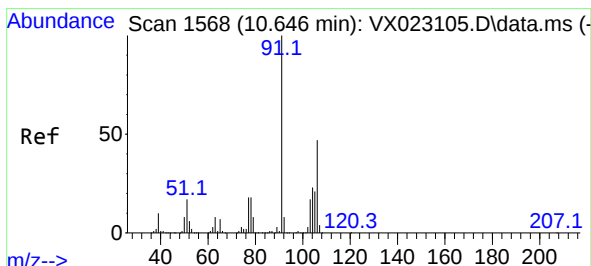
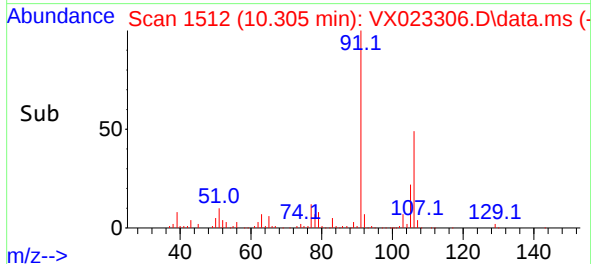
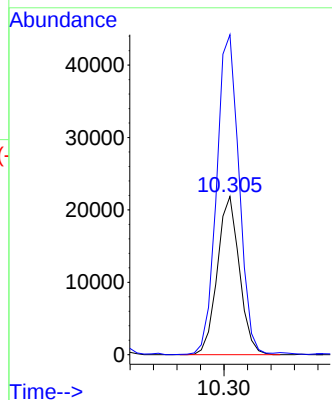
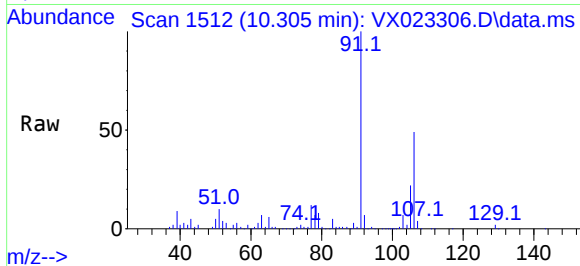




#68
m/p-Xylenes
Concen: 6.747 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

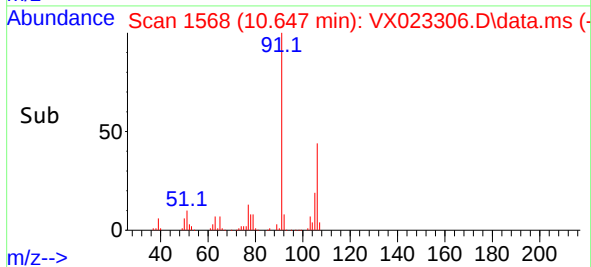
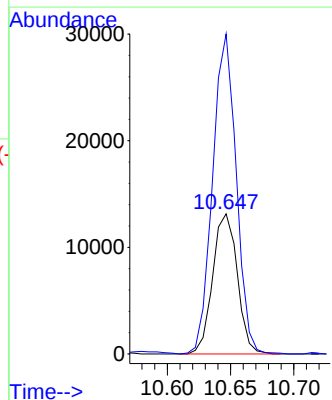
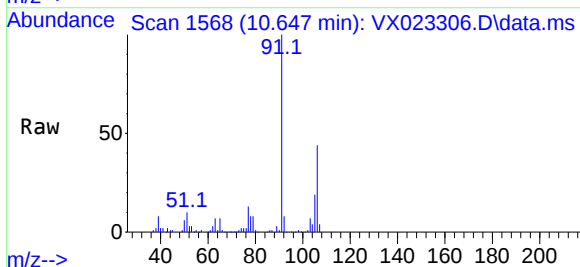
Instrument :
MSVOA_X
ClientSampleId :
210714106-02-VOA

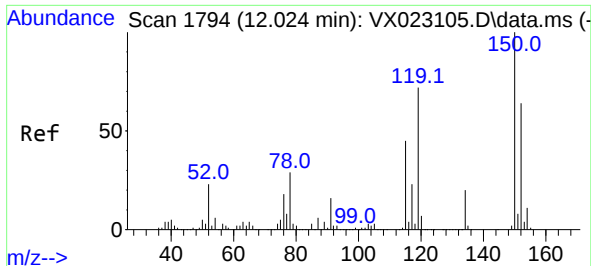
Tgt Ion:106 Resp: 28539
Ion Ratio Lower Upper
106 100
91 205.9 162.8 244.2



#69
o-Xylene
Concen: 4.164 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion:106 Resp: 17753
Ion Ratio Lower Upper
106 100
91 219.5 108.1 324.2

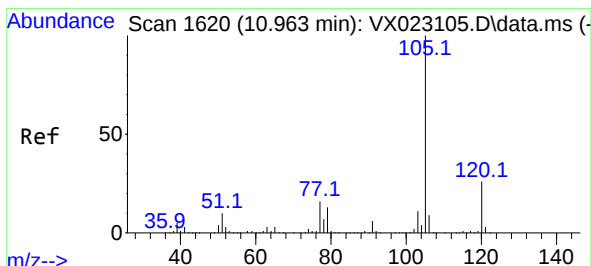
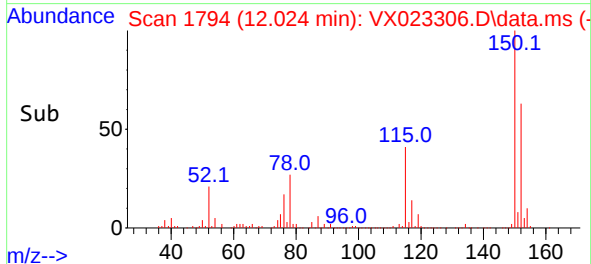
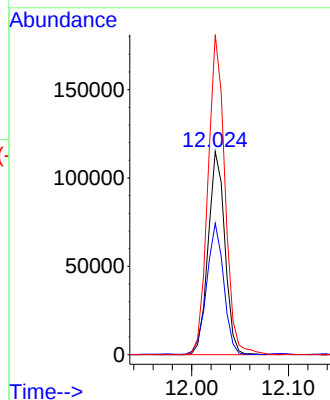
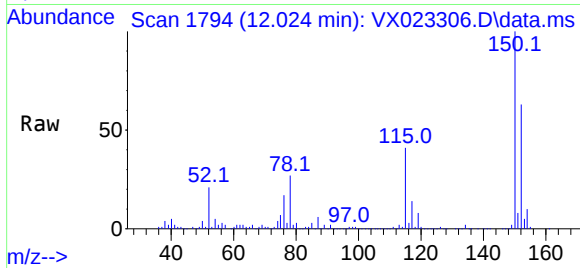




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

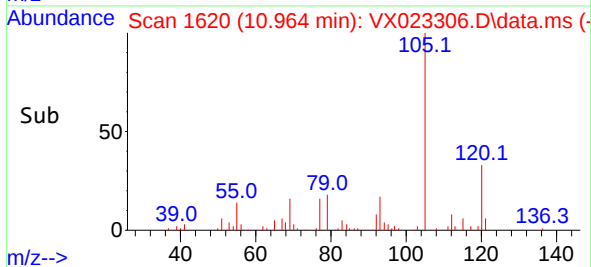
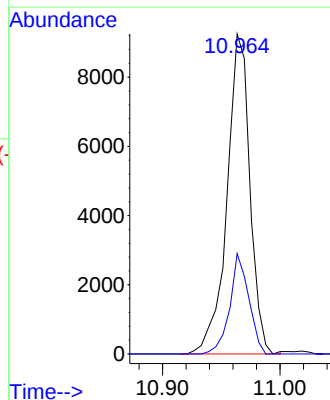
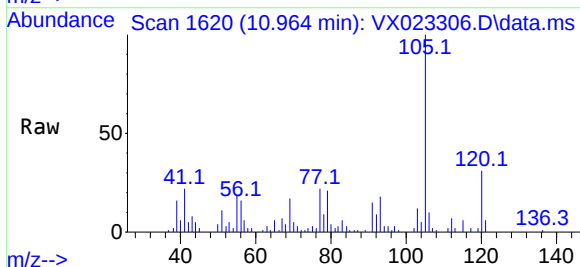
Instrument :
MSVOA_X
ClientSampleId :
210714106-02-VOA

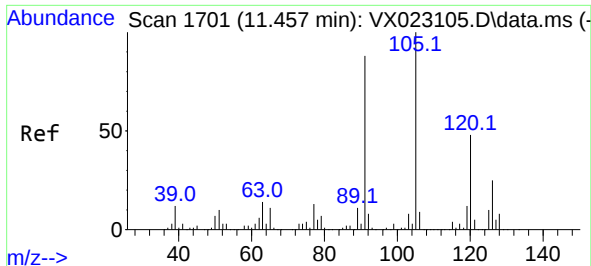
Tgt Ion:152 Resp: 138169
Ion Ratio Lower Upper
152 100
115 65.6 41.1 123.3
150 160.4 0.0 349.0



#73
Isopropylbenzene
Concen: 1.288 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion:105 Resp: 12533
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.6

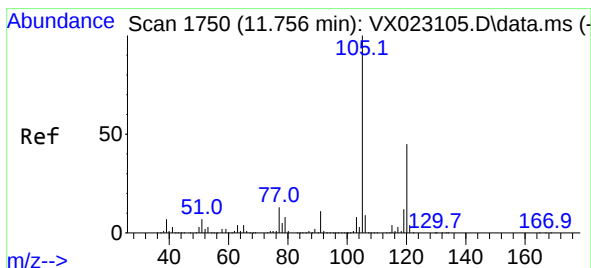
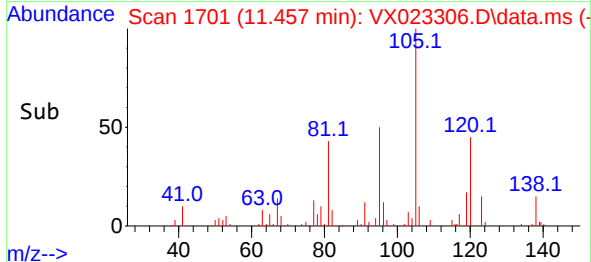
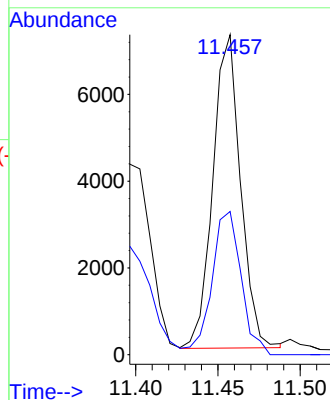
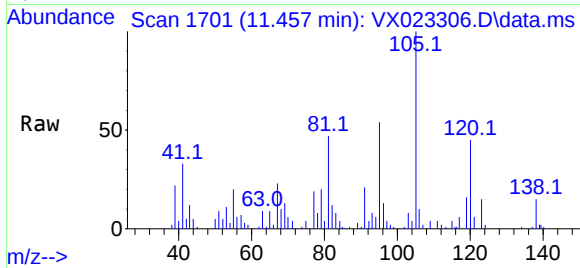




#80
1,3,5-Trimethylbenzene
Concen: 1.011 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

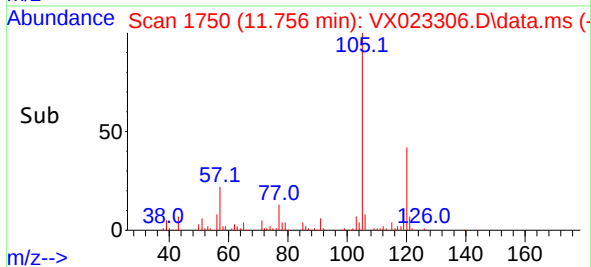
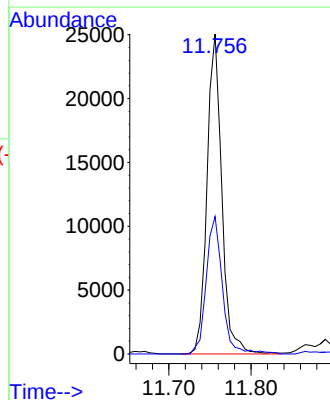
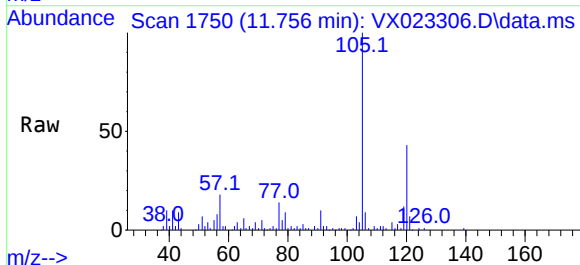
Instrument :
MSVOA_X
ClientSampleId :
210714106-02-VOA

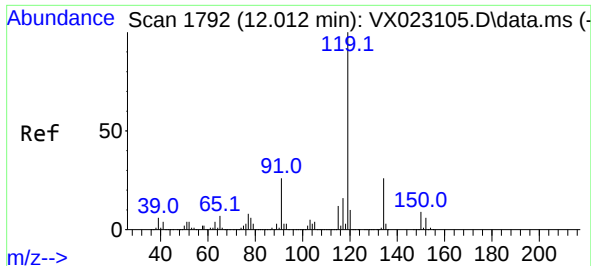
Tgt Ion:105 Resp: 8469
Ion Ratio Lower Upper
105 100
120 48.2 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 3.773 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Tgt Ion:105 Resp: 31252
Ion Ratio Lower Upper
105 100
120 47.0 22.4 67.3

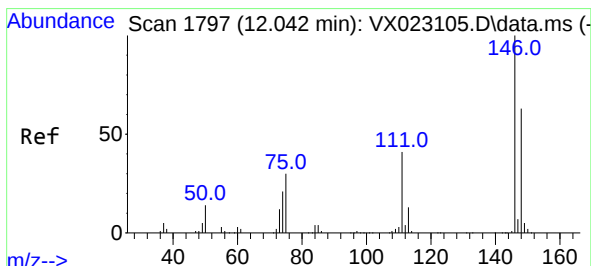
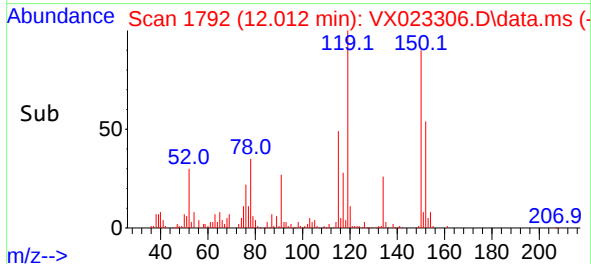
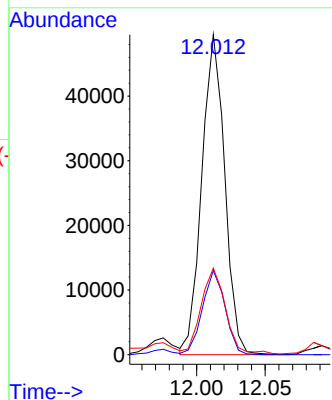
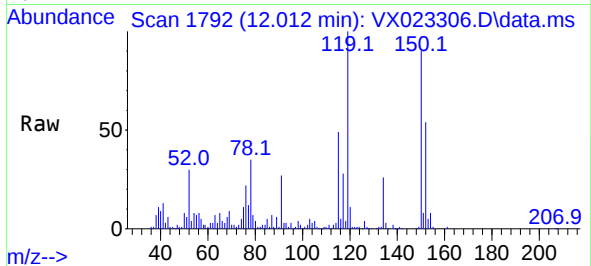




#86
p-Isopropyltoluene
Concen: 6.713 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

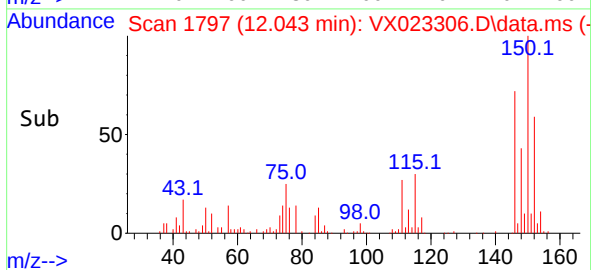
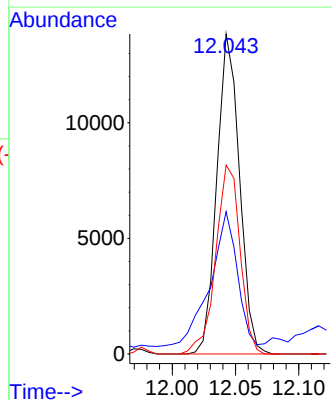
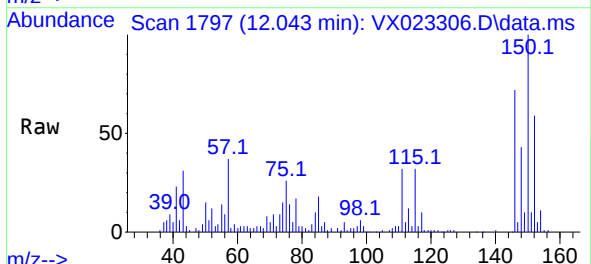
Instrument :
MSVOA_X
ClientSampleId :
210714106-02-VOA

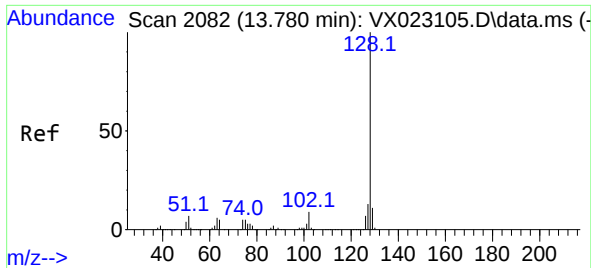
Tgt Ion:	119	Resp:	57642
Ion Ratio	Lower	Upper	
119	100		
134	25.9	12.9	38.7
91	28.3	11.7	35.0



#88
1,4-Dichlorobenzene
Concen: 3.736 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

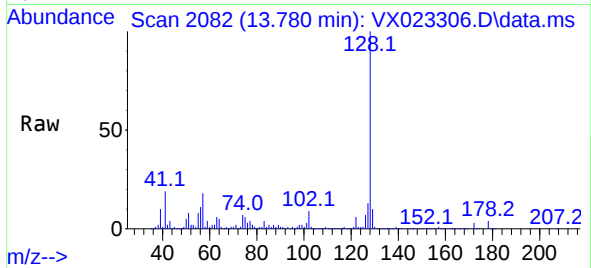
Tgt Ion:	146	Resp:	17165
Ion Ratio	Lower	Upper	
146	100		
111	53.4	19.6	58.8
148	63.7	31.6	95.0





#95
Naphthalene
Concen: 17.393 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023306.D
Acq: 15 Jul 2021 17:59

Instrument :
MSVOA_X
ClientSampleId :
210714106-02-VOA



Tgt Ion:128 Resp: 170601
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.3 8.8 13.2

