

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071521\
 Data File : VX023308.D
 Acq On : 15 Jul 2021 18:46
 Operator : JC/MD
 Sample : M3059-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 210714107-02-VOA

Quant Time: Jul 16 03:54:21 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)

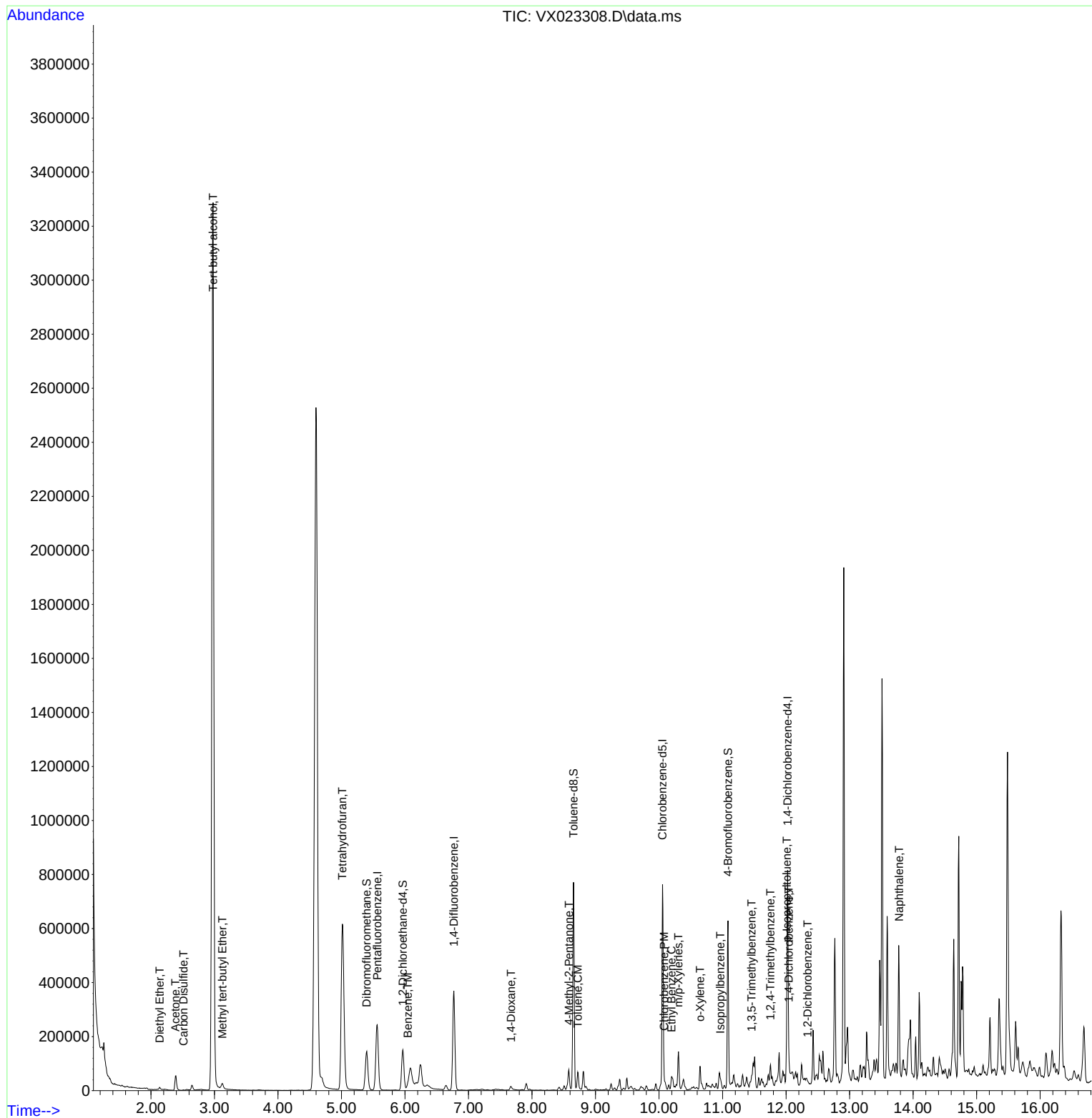
Internal Standards						
1) Pentafluorobenzene	5.562	168	232410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	372952	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	331774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152200	48.726	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.460%		
35) Dibromofluoromethane	5.397	113	120688	50.112	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.220%		
50) Toluene-d8	8.653	98	438793	48.843	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.680%		
62) 4-Bromofluorobenzene	11.085	95	161269	46.499	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.000%		
Target Compounds						Qvalue
8) Diethyl Ether	2.136	74	2619	1.850	ug/l	74
11) Tert butyl alcohol	2.977	59	3968718	6039.543	ug/l	97
16) Acetone	2.386	43	42214	34.160	ug/l	91
17) Carbon Disulfide	2.514	76	1619	0.371	ug/l #	92
19) Methyl tert-butyl Ether	3.123	73	19671	2.539	ug/l	99
29) Tetrahydrofuran	5.013	42	567595	473.829	ug/l	93
40) Benzene	6.044	78	23792	2.465	ug/l	97
49) 1,4-Dioxane	7.671	88	11169	167.644	ug/l	91
51) 4-Methyl-2-Pentanone	8.580	43	44951	12.024	ug/l	87
52) Toluene	8.720	92	20920	3.349	ug/l	99
65) Chlorobenzene	10.080	112	5978	0.912	ug/l	100
67) Ethyl Benzene	10.195	91	26150	2.255	ug/l	97
68) m/p-Xylenes	10.305	106	28303	6.394	ug/l	95
69) o-Xylene	10.647	106	18265	4.094	ug/l	98
73) Isopropylbenzene	10.964	105	13086	1.282	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	9321	1.061	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	31004	3.571	ug/l	100
86) p-Isopropyltoluene	12.012	119	57258	6.361	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	16994	3.528	ug/l	88
91) 1,2-Dichlorobenzene	12.341	146	1583	0.333	ug/l #	69
95) Naphthalene	13.780	128	174357	16.987	ug/l	99

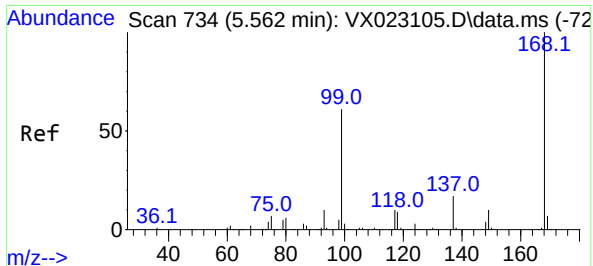
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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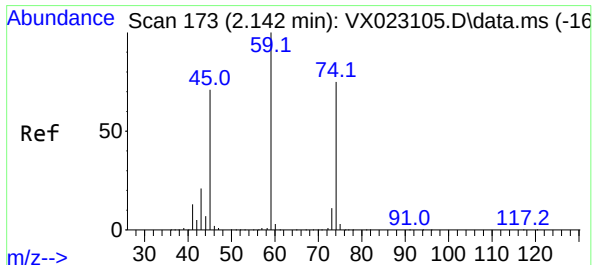
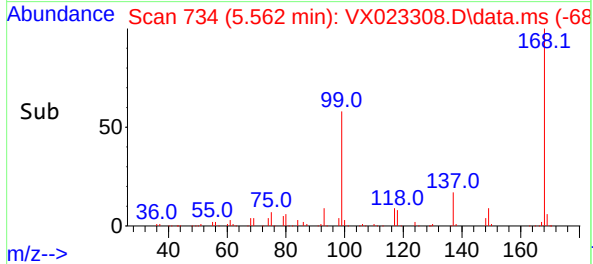
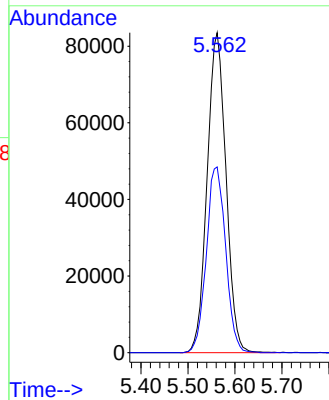
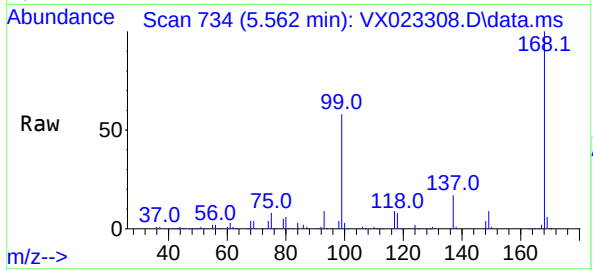




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

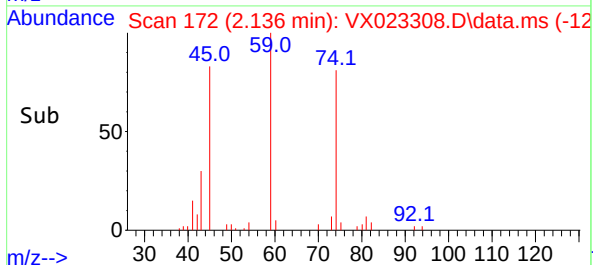
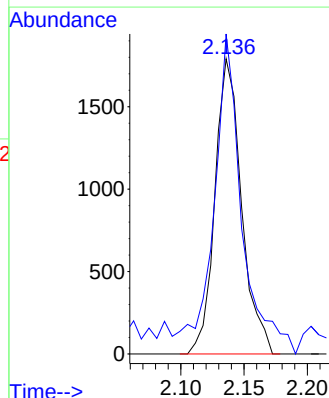
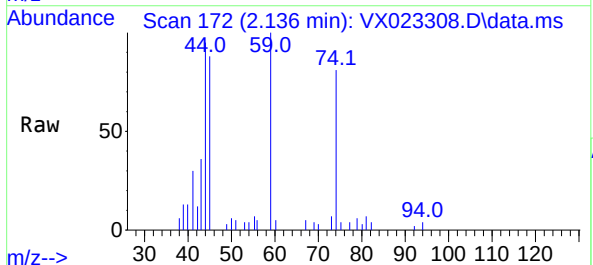
Instrument :
MSVOA_X
ClientSampleId :
210714107-02-VOA

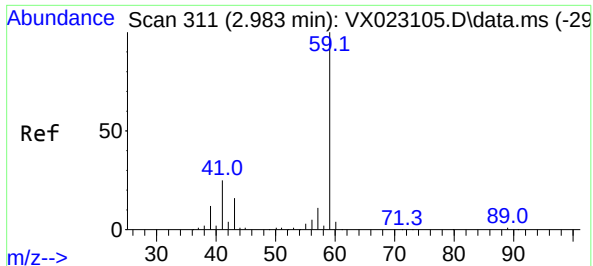
Tgt Ion:168 Resp: 232410
Ion Ratio Lower Upper
168 100
99 58.1 45.8 68.6



#8
Diethyl Ether
Concen: 1.850 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.006 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion: 74 Resp: 2619
Ion Ratio Lower Upper
74 100
45 113.0 44.5 133.5

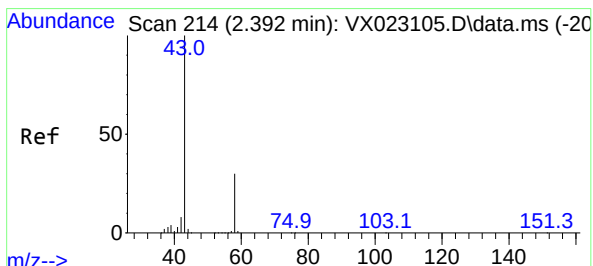
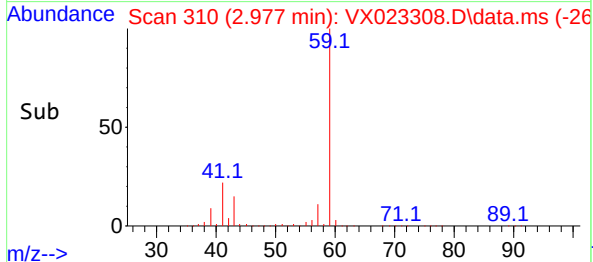
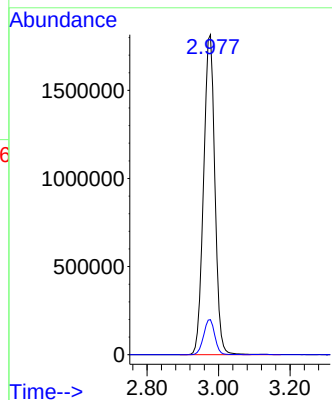
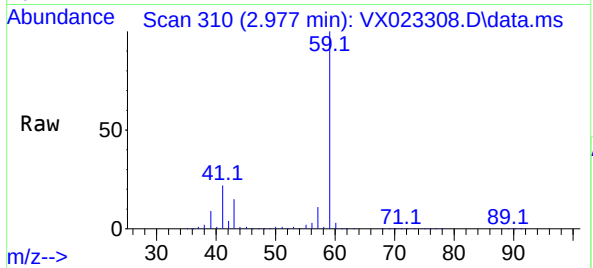




#11
Tert butyl alcohol
Concen: 6039.543 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

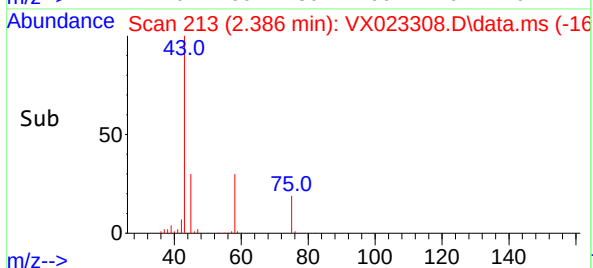
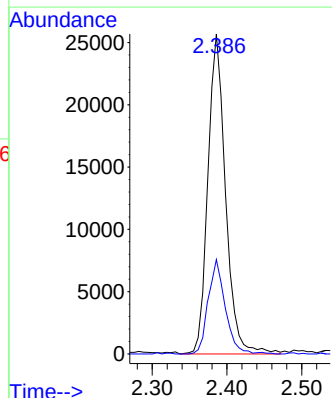
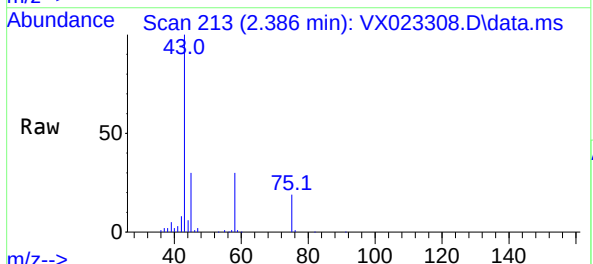
Instrument :
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ClientSampleId :
210714107-02-VOA

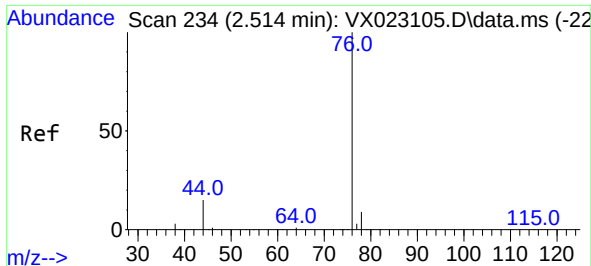
Tgt Ion: 59 Resp: 3968718
Ion Ratio Lower Upper
59 100
57 10.9 7.8 11.8



#16
Acetone
Concen: 34.160 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion: 43 Resp: 42214
Ion Ratio Lower Upper
43 100
58 29.5 27.8 41.8

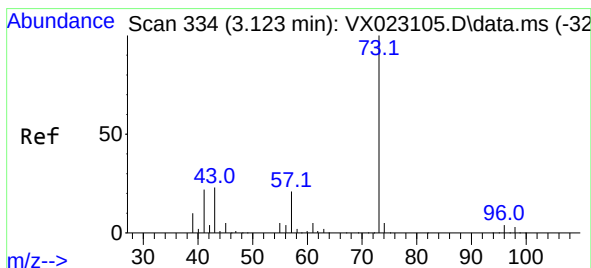
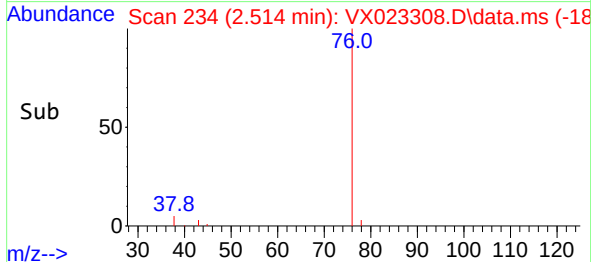
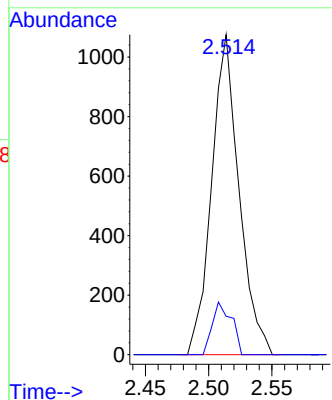
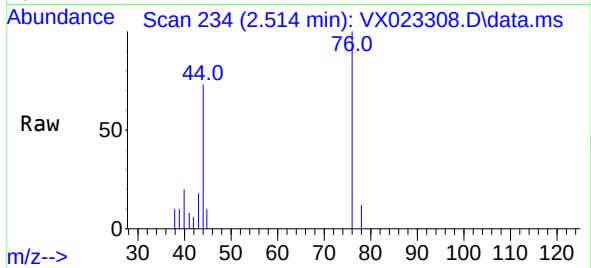




#17
Carbon Disulfide
Concen: 0.371 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

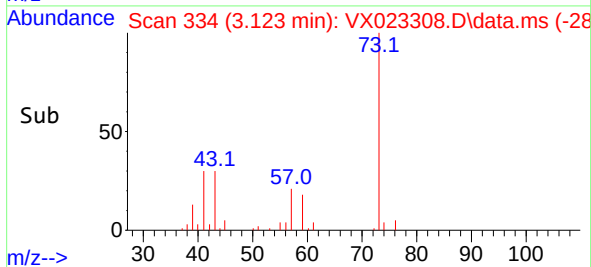
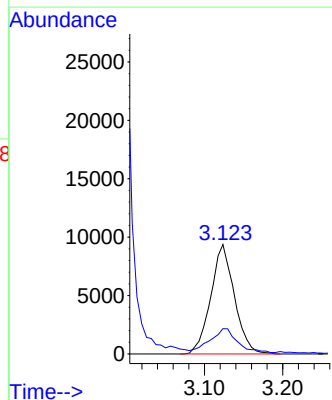
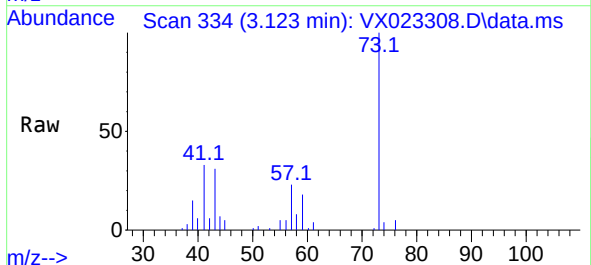
Instrument :
MSVOA_X
ClientSampleId :
210714107-02-VOA

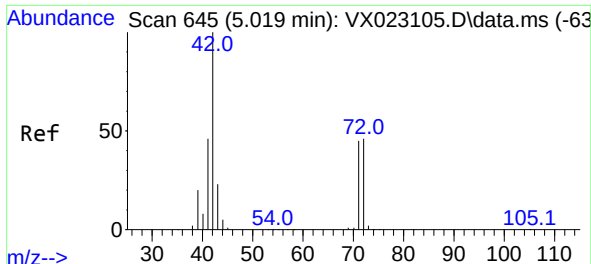
Tgt Ion: 76 Resp: 1619
Ion Ratio Lower Upper
76 100
78 12.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 2.539 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion: 73 Resp: 19671
Ion Ratio Lower Upper
73 100
57 20.8 17.1 25.7

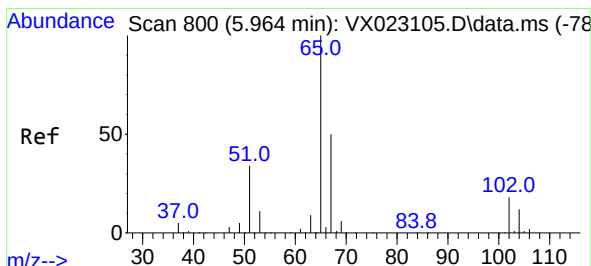
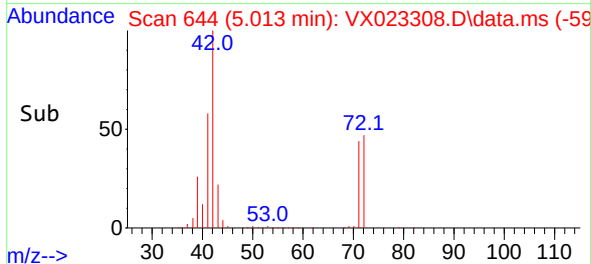
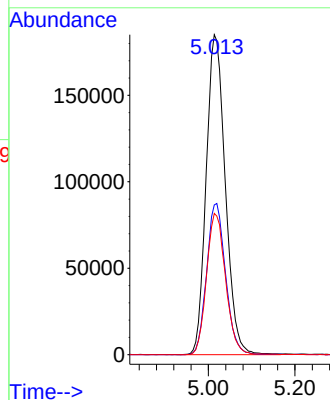
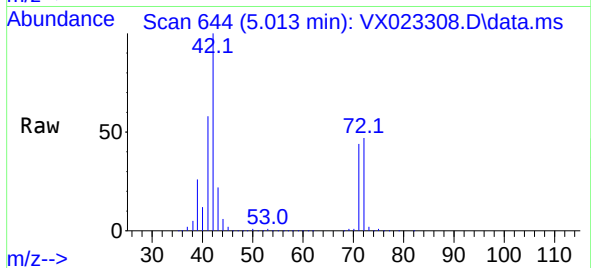




#29
Tetrahydrofuran
Concen: 473.829 ug/l
RT: 5.013 min Scan# 644
Delta R.T. -0.006 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

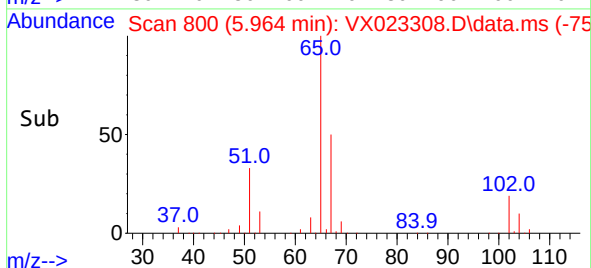
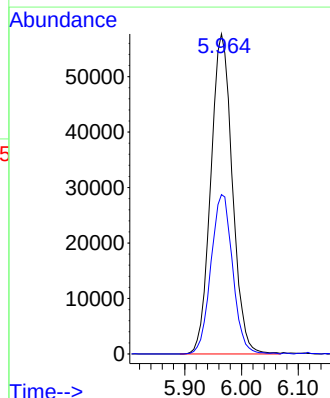
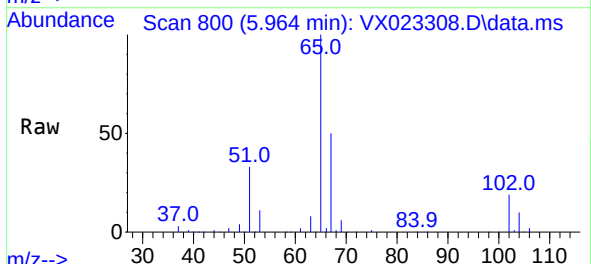
Instrument :
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ClientSampleId :
210714107-02-VOA

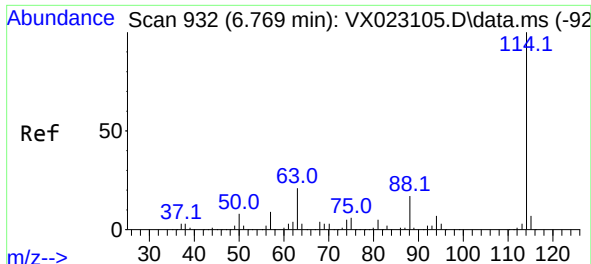
Tgt Ion: 42 Resp: 567595
Ion Ratio Lower Upper
42 100
72 46.8 41.7 62.5
71 43.9 38.4 57.6



#33
1,2-Dichloroethane-d4
Concen: 48.726 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion: 65 Resp: 152200
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

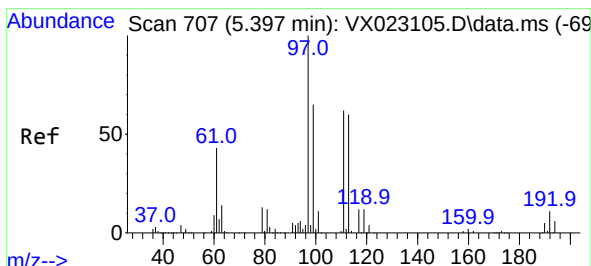
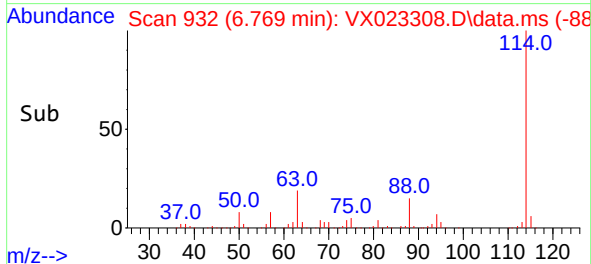
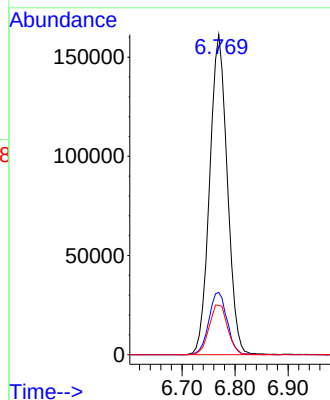
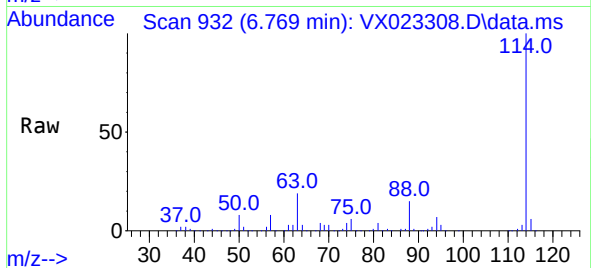




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

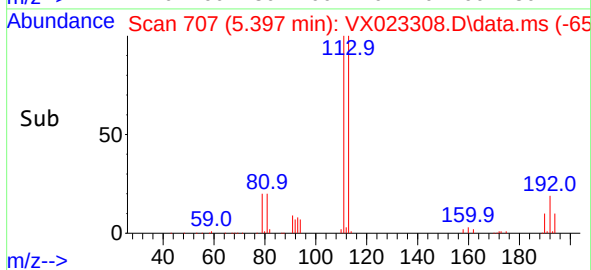
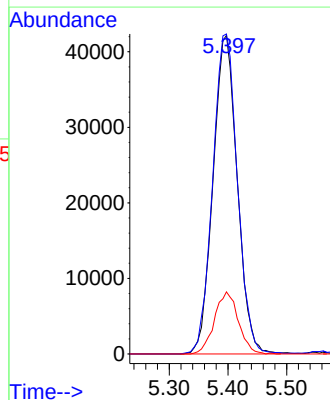
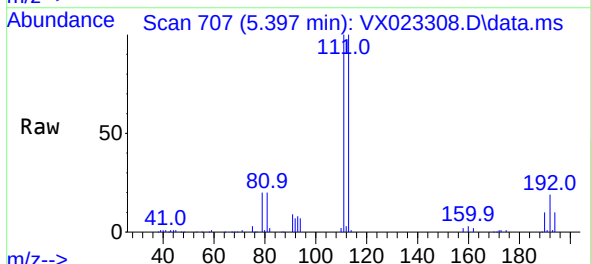
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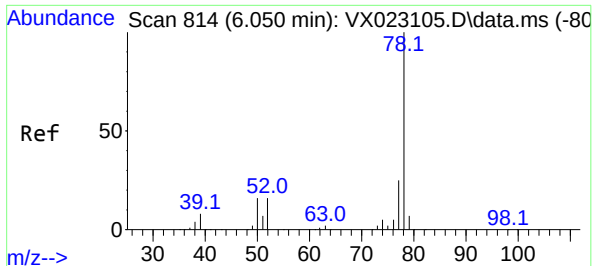
Tgt Ion:114 Resp: 372952
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.8
88 15.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.112 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion:113 Resp: 120688
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.1 16.7 25.1

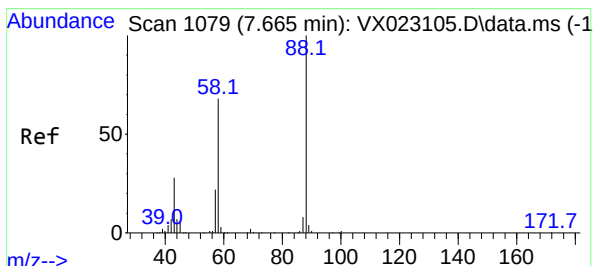
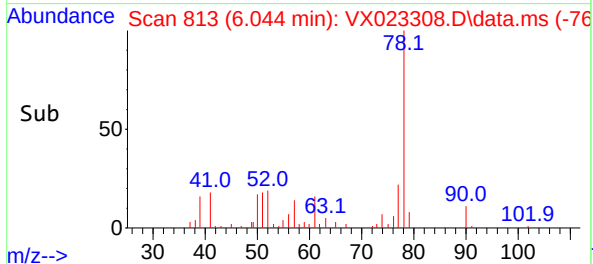
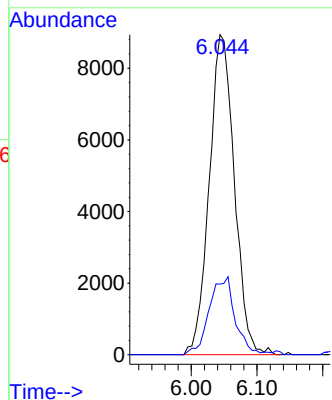
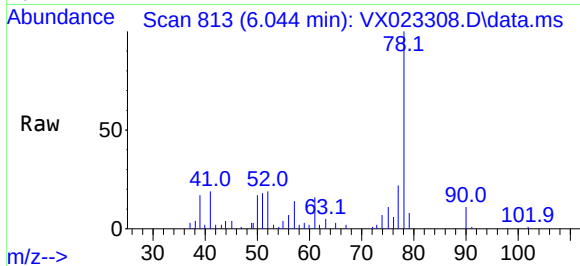




#40
Benzene
Concen: 2.465 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

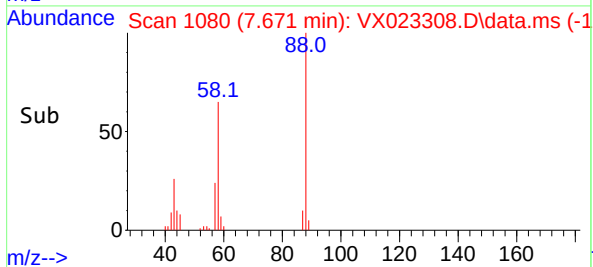
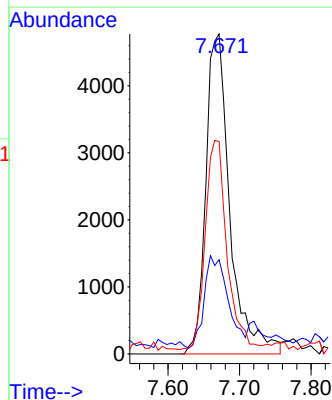
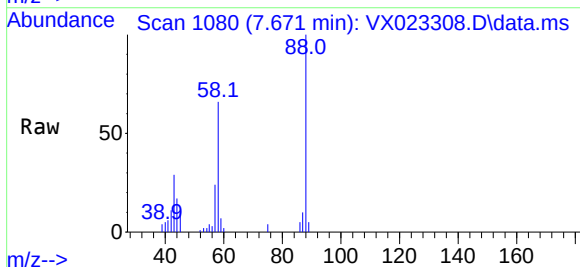
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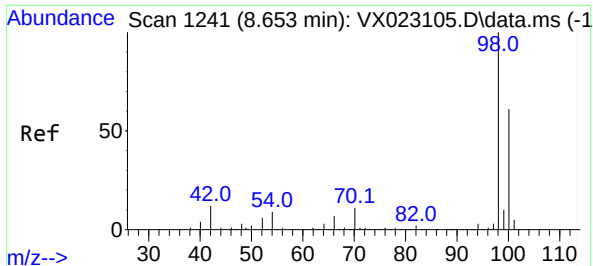
Tgt Ion: 78 Resp: 23792
Ion Ratio Lower Upper
78 100
77 22.0 18.9 28.3



#49
1,4-Dioxane
Concen: 167.644 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion: 88 Resp: 11169
Ion Ratio Lower Upper
88 100
43 28.3 23.2 34.8
58 58.8 55.0 82.4

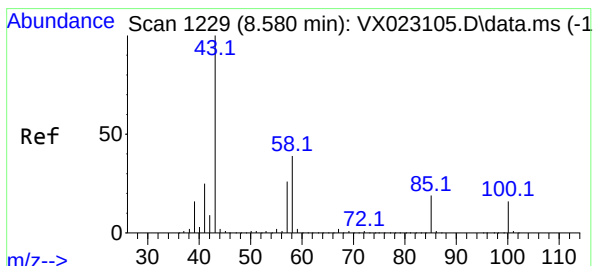
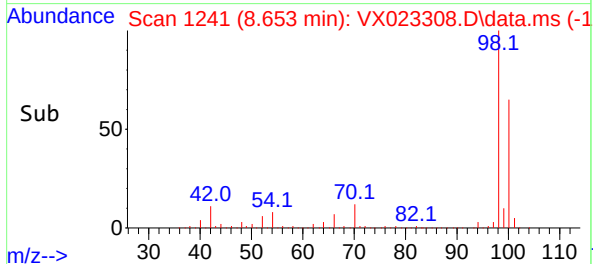
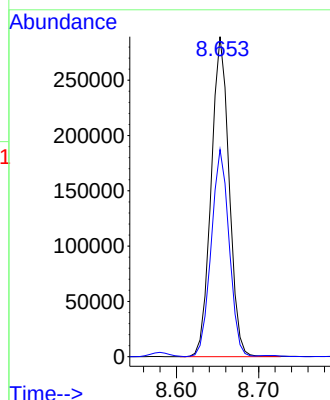
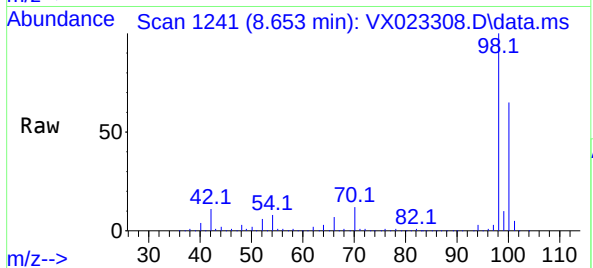




#50
Toluene-d8
Concen: 48.843 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

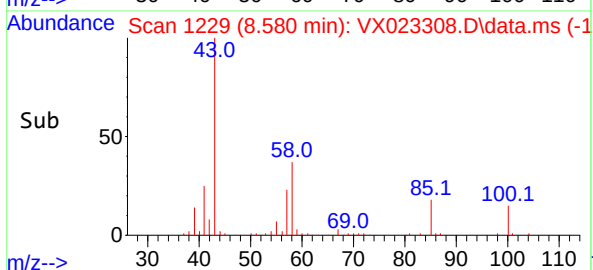
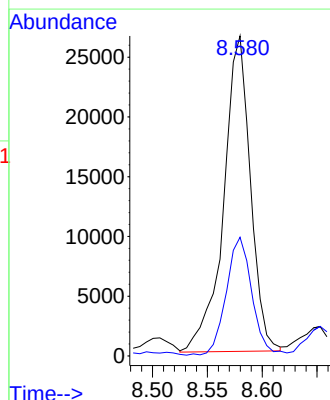
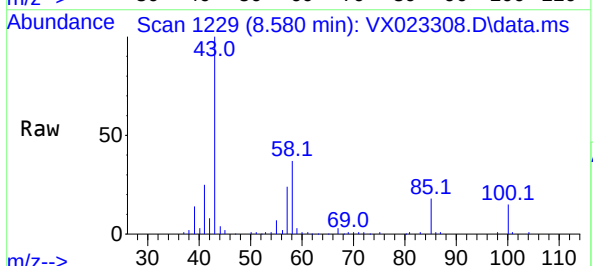
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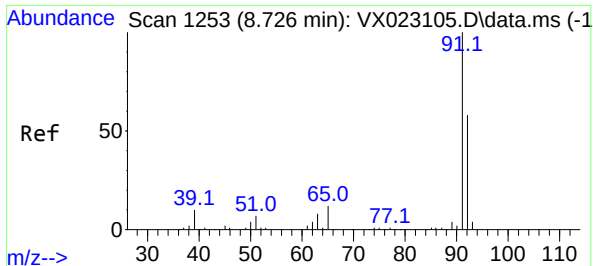
Tgt Ion: 98 Resp: 438793
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 12.024 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion: 43 Resp: 44951
Ion Ratio Lower Upper
43 100
58 35.6 35.4 53.0





#52

Toluene

Concen: 3.349 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.006 min

Lab File: VX023308.D

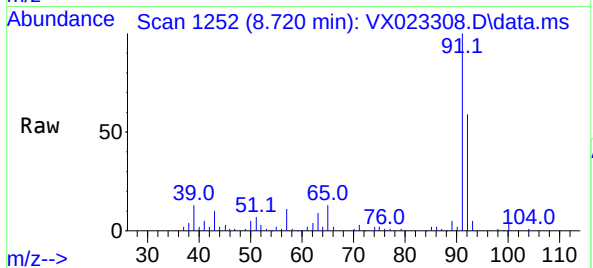
Acq: 15 Jul 2021 18:46

Tgt Ion: 92 Resp: 20920

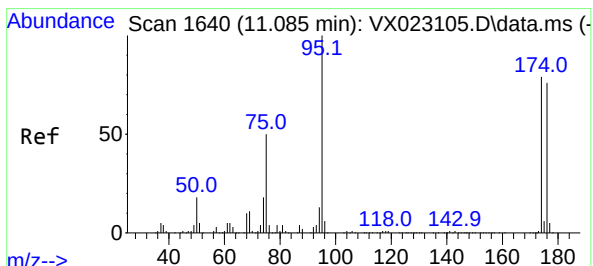
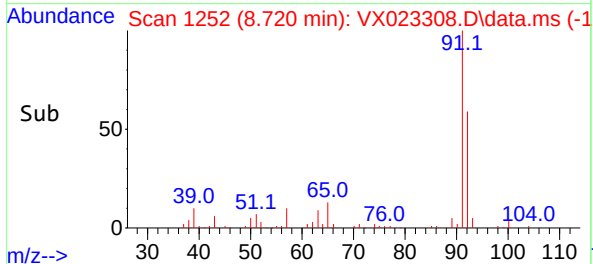
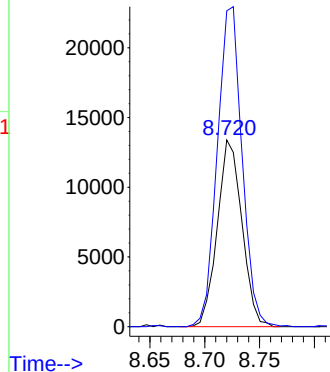
Ion Ratio Lower Upper

92 100

91 172.4 137.1 205.7



Abundance



#62

4-Bromofluorobenzene

Concen: 46.499 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023308.D

Acq: 15 Jul 2021 18:46

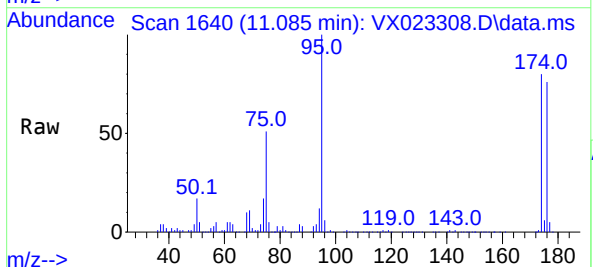
Tgt Ion: 95 Resp: 161269

Ion Ratio Lower Upper

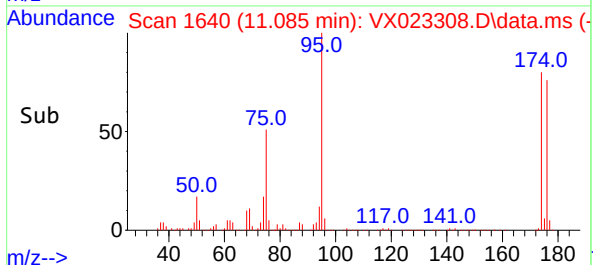
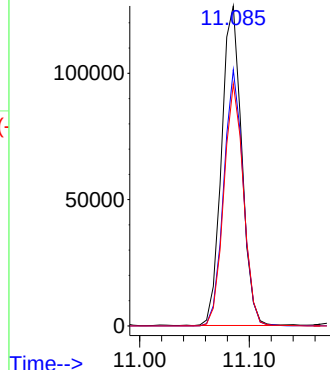
95 100

174 77.3 0.0 154.6

176 74.2 0.0 155.8



Abundance

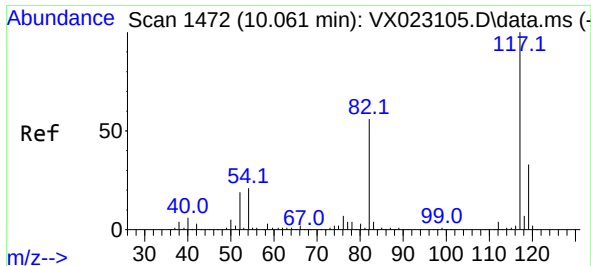


Instrument :

MSVOA_X

ClientSampleId :

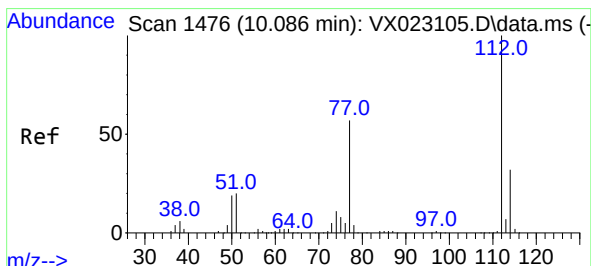
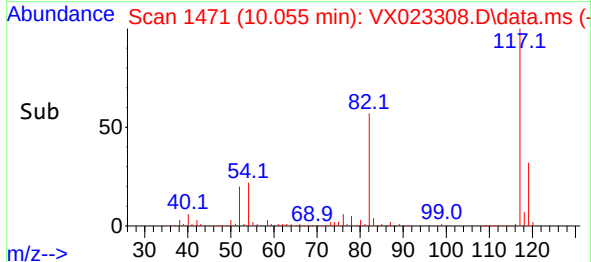
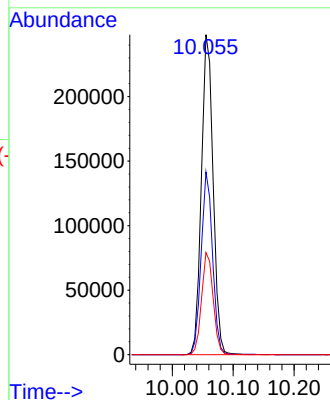
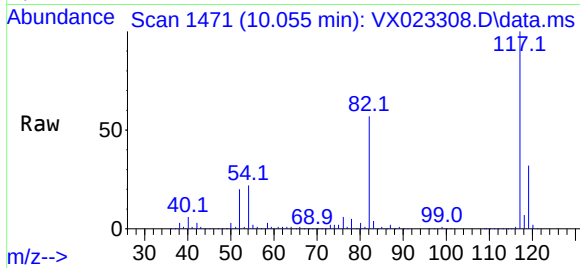
210714107-02-VOA



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

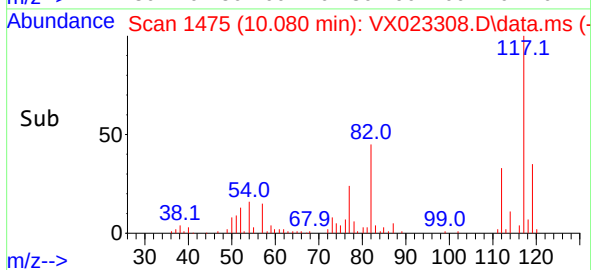
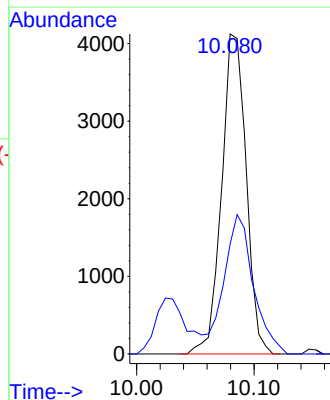
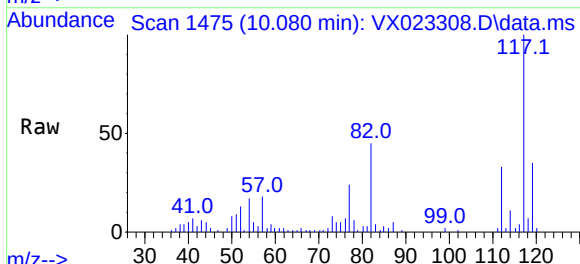
Instrument :
MSVOA_X
ClientSampleId :
210714107-02-VOA

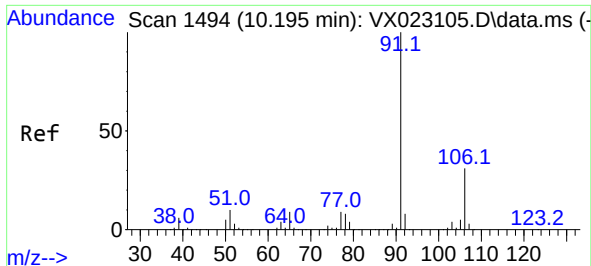
Tgt Ion:117 Resp: 331774
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.9 26.6 39.8



#65
Chlorobenzene
Concen: 0.912 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion:112 Resp: 5978
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

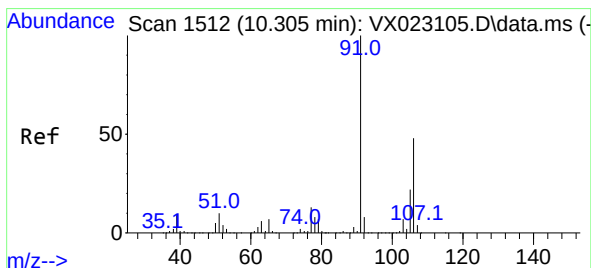
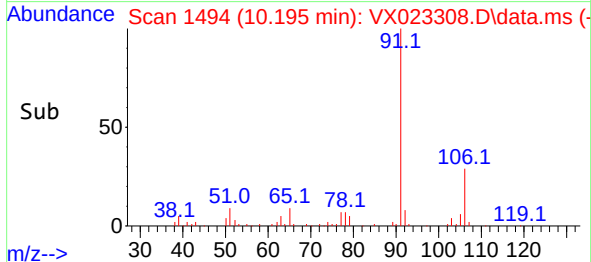
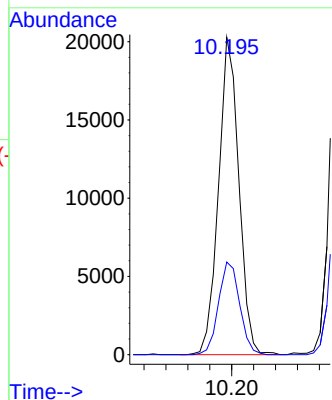
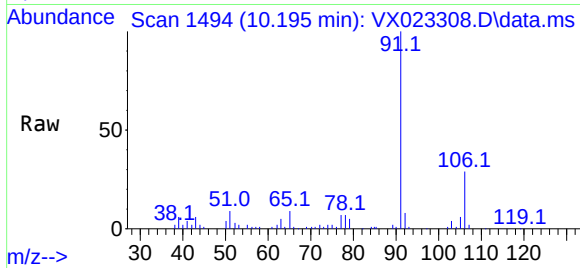




#67
Ethyl Benzene
Concen: 2.255 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

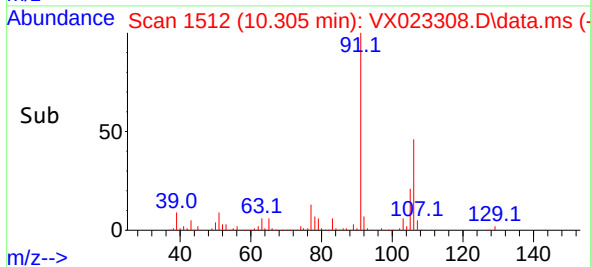
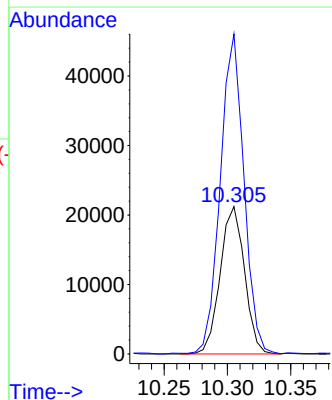
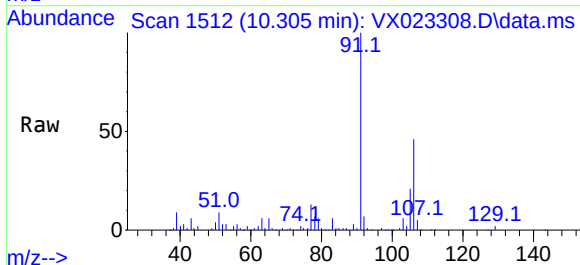
Instrument :
MSVOA_X
ClientSampleId :
210714107-02-VOA

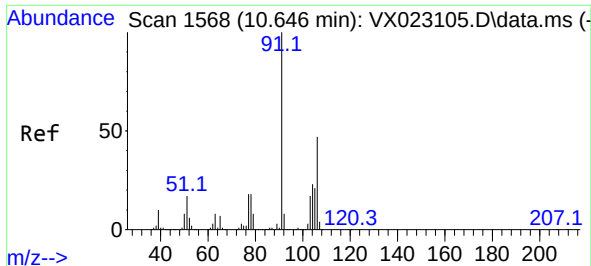
Tgt Ion: 91 Resp: 26150
Ion Ratio Lower Upper
91 100
106 29.2 24.6 37.0



#68
m/p-Xylenes
Concen: 6.394 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion: 106 Resp: 28303
Ion Ratio Lower Upper
106 100
91 211.5 162.8 244.2

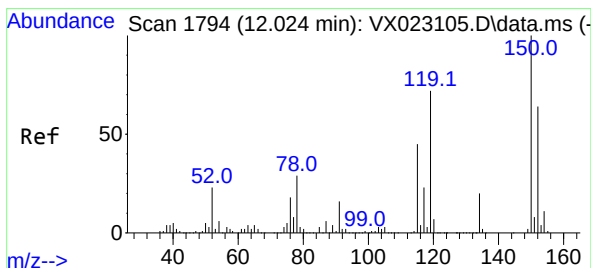
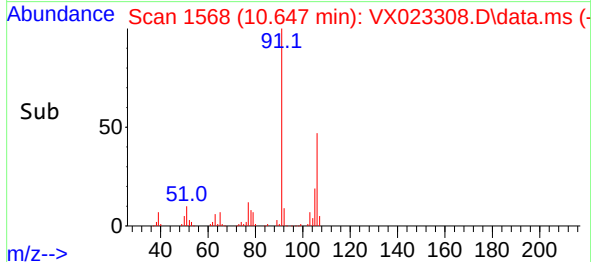
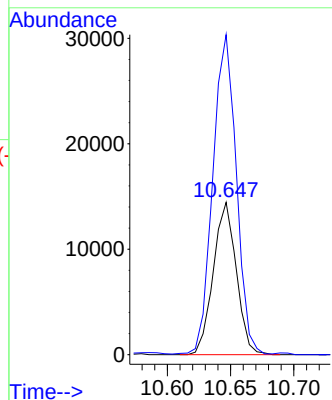
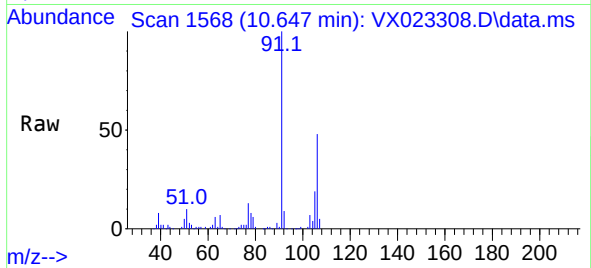




#69
o-Xylene
Concen: 4.094 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

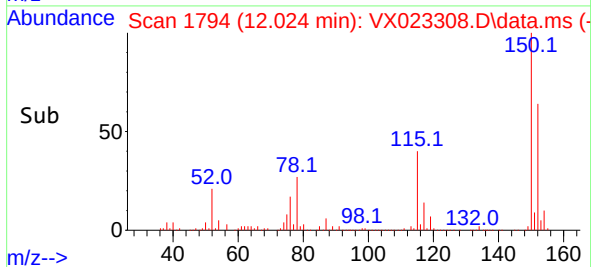
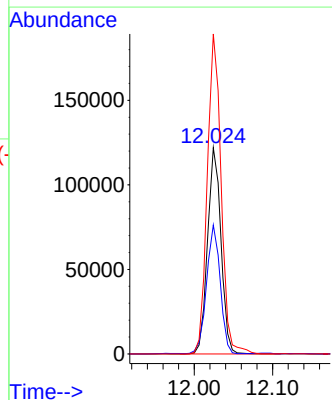
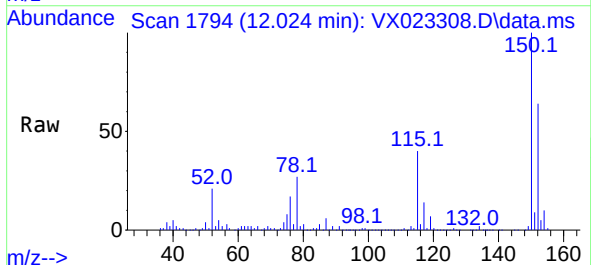
Instrument :
MSVOA_X
ClientSampleId :
210714107-02-VOA

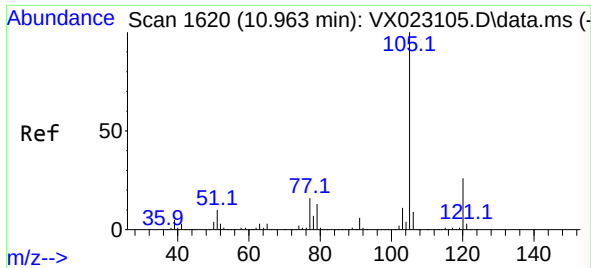
Tgt Ion:106 Resp: 18265
Ion Ratio Lower Upper
106 100
91 213.1 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion:152 Resp: 144859
Ion Ratio Lower Upper
152 100
115 63.2 41.1 123.3
150 159.8 0.0 349.0

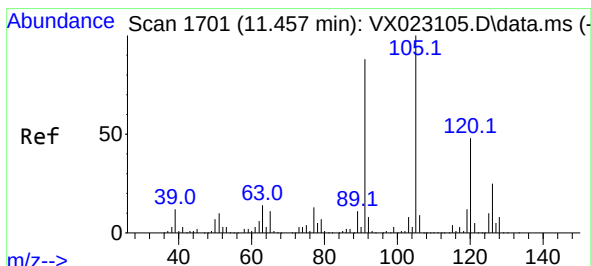
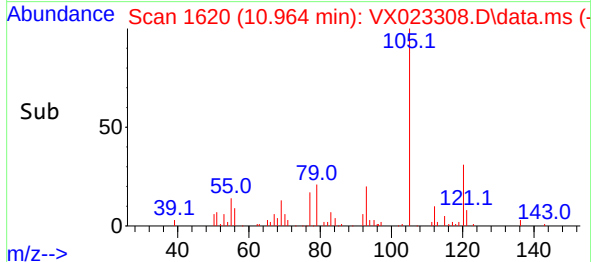
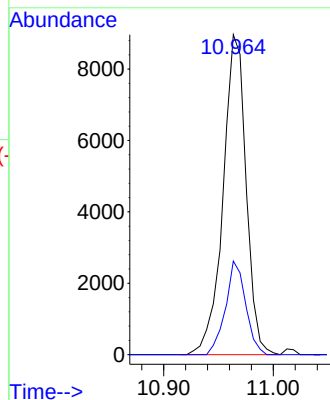
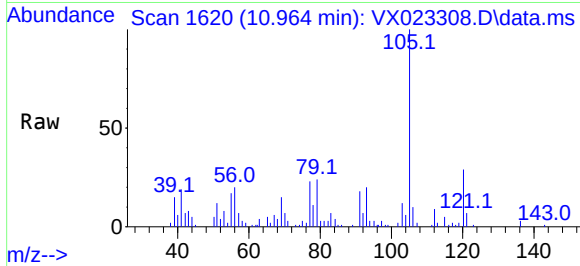




#73
Isopropylbenzene
Concen: 1.282 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

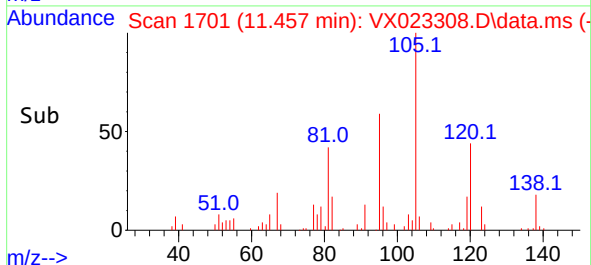
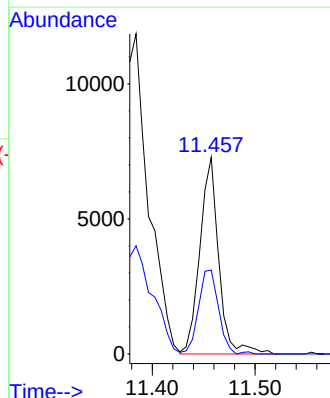
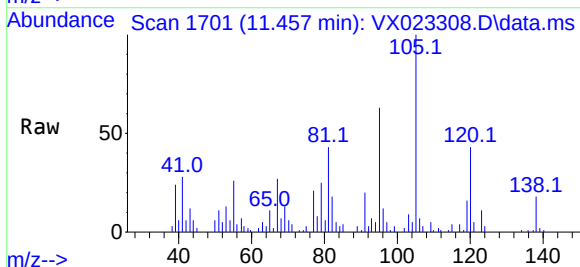
Instrument :
MSVOA_X
ClientSampleId :
210714107-02-VOA

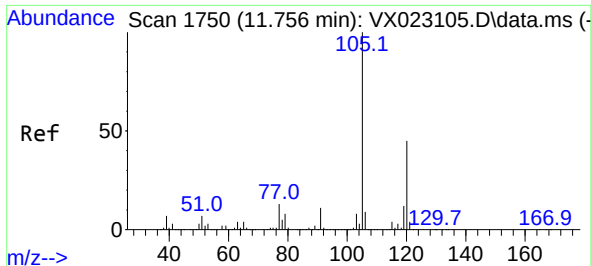
Tgt Ion:105 Resp: 13086
Ion Ratio Lower Upper
105 100
120 25.6 13.2 39.6



#80
1,3,5-Trimethylbenzene
Concen: 1.061 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion:105 Resp: 9321
Ion Ratio Lower Upper
105 100
120 45.3 23.8 71.5

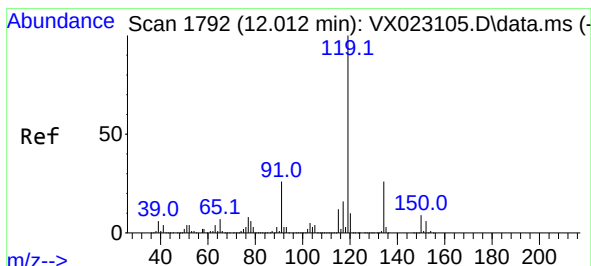
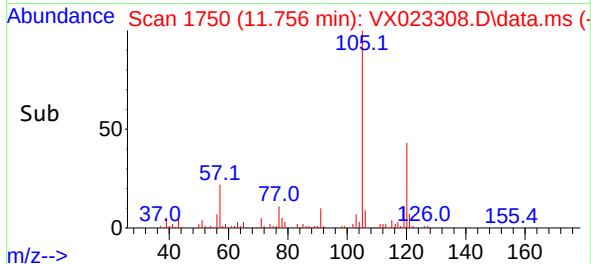
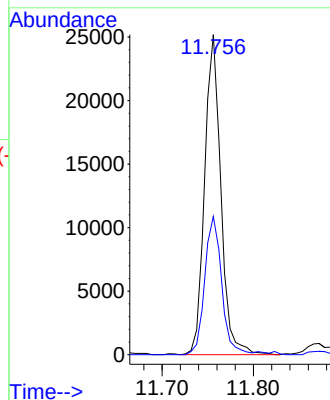
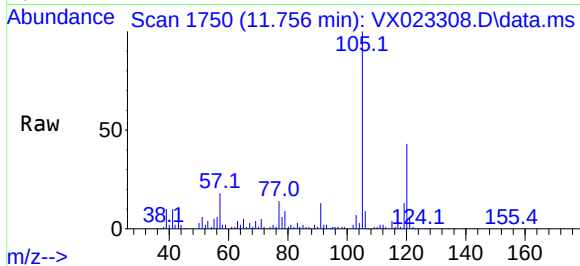




#84
1,2,4-Trimethylbenzene
Concen: 3.571 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

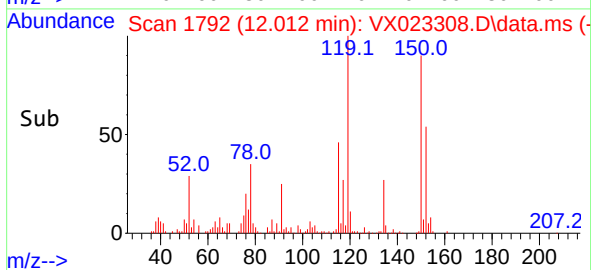
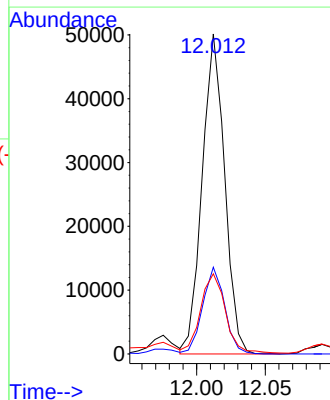
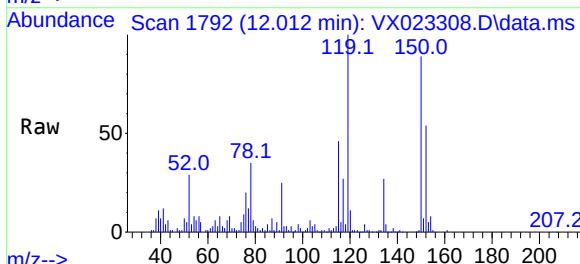
Instrument :
MSVOA_X
ClientSampleId :
210714107-02-VOA

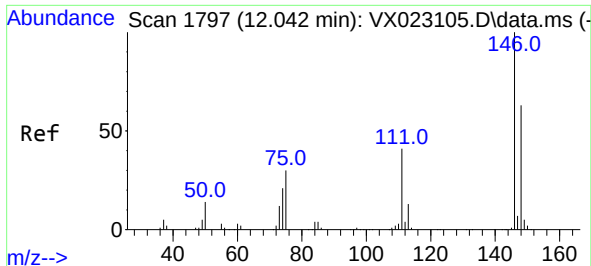
Tgt Ion:105 Resp: 31004
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.3



#86
p-Isopropyltoluene
Concen: 6.361 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Tgt Ion:119 Resp: 57258
Ion Ratio Lower Upper
119 100
134 26.6 12.9 38.7
91 27.2 11.7 35.0

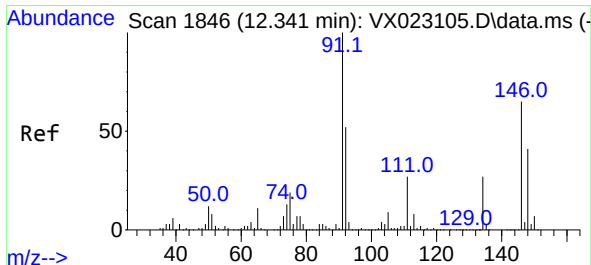
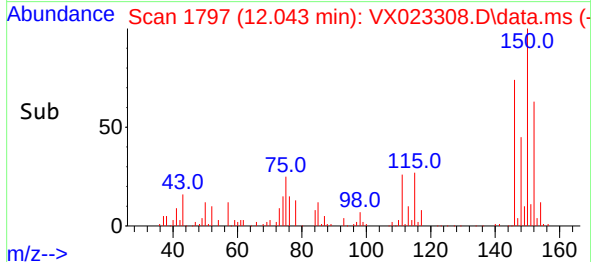
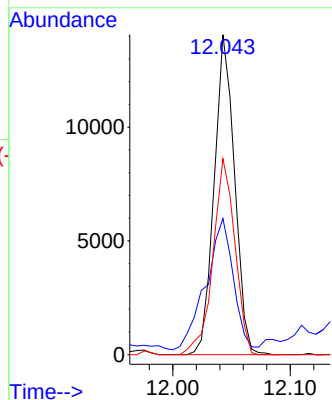
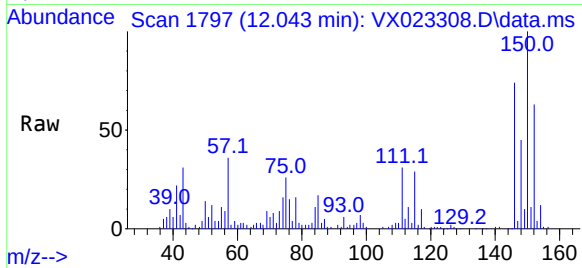




#88
1,4-Dichlorobenzene
Concen: 3.528 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

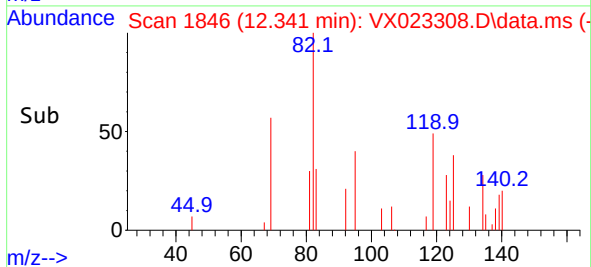
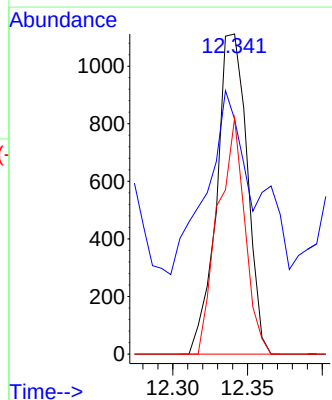
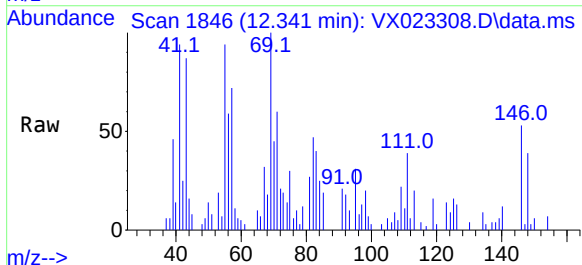
Instrument :
MSVOA_X
ClientSampleId :
210714107-02-VOA

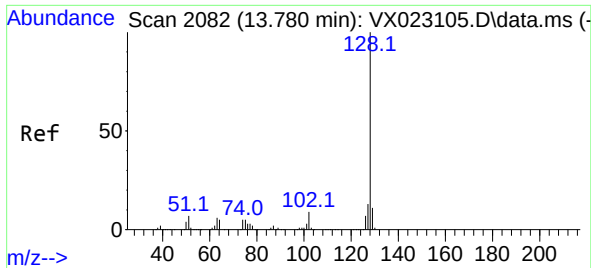
Tgt Ion:146 Resp: 16994
Ion Ratio Lower Upper
146 100
111 55.3 19.6 58.8
148 65.9 31.6 95.0



#91
1,2-Dichlorobenzene
Concen: 0.333 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

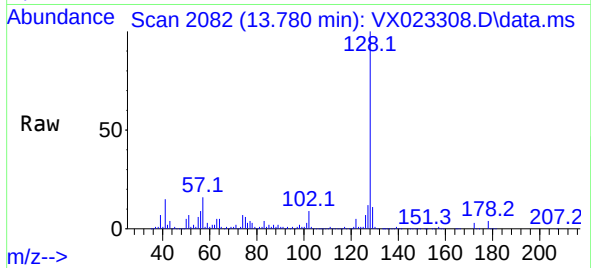
Tgt Ion:146 Resp: 1583
Ion Ratio Lower Upper
146 100
111 89.9 20.8 62.2#
148 65.1 31.9 95.5





#95
Naphthalene
Concen: 16.987 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023308.D
Acq: 15 Jul 2021 18:46

Instrument :
MSVOA_X
ClientSampleId :
210714107-02-VOA



Tgt Ion:128 Resp: 174357

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.3	8.8	13.2

