

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071521\
 Data File : VX023310.D
 Acq On : 15 Jul 2021 19:33
 Operator : JC/MD
 Sample : M3060-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 210714105-02-VOA

Quant Time: Jul 16 03:55:01 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)

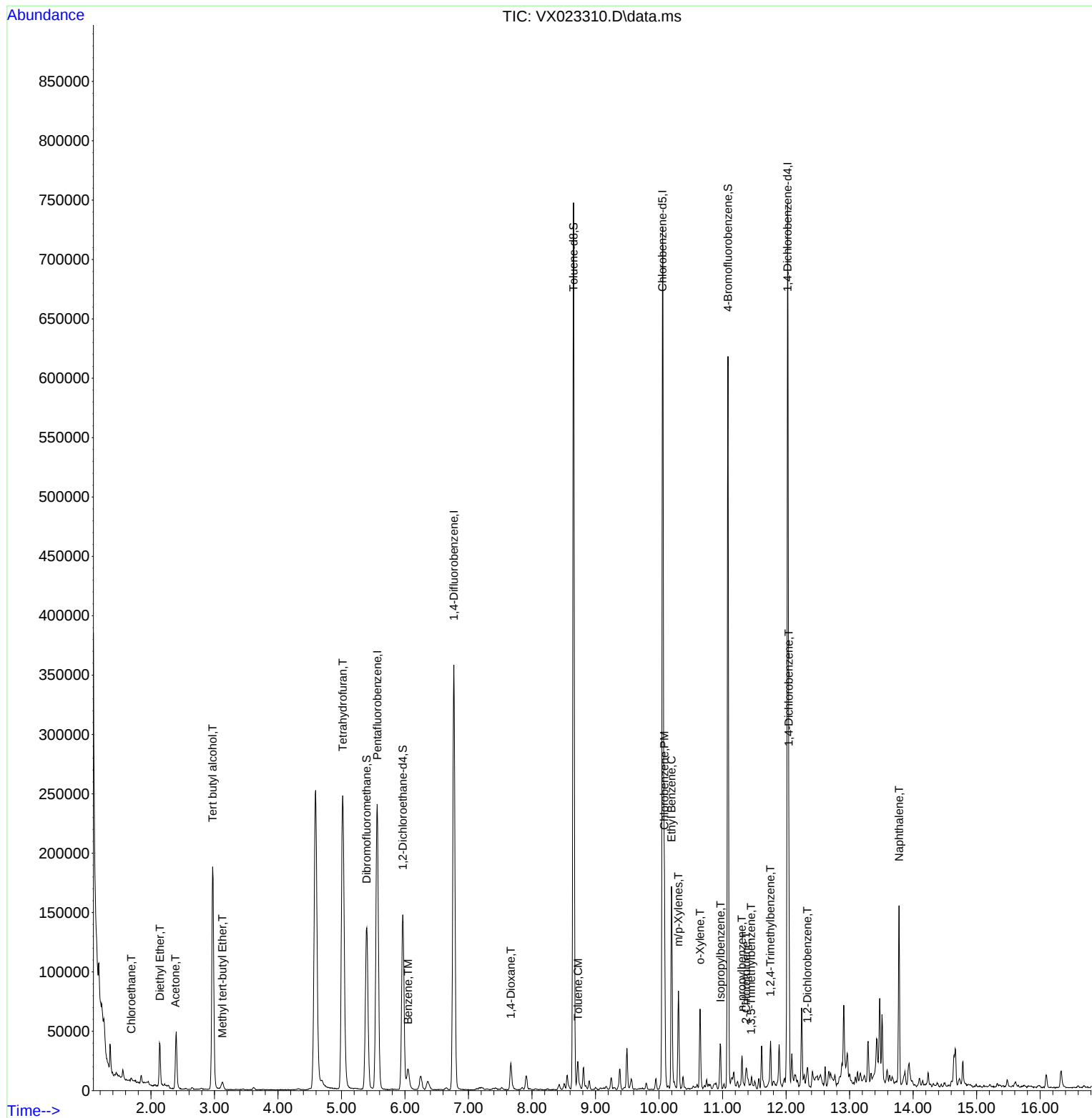
Internal Standards						
1) Pentafluorobenzene	5.562	168	225567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	363754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	151630	50.016	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.040%	
35) Dibromofluoromethane	5.397	113	117496	50.020	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.040%	
50) Toluene-d8	8.653	98	429447	49.011	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.020%	
62) 4-Bromofluorobenzene	11.085	95	161771	47.823	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.640%	
Target Compounds						Qvalue
6) Chloroethane	1.691	64	1278	0.912	ug/l	96
8) Diethyl Ether	2.142	74	12601	9.171	ug/l	92
11) Tert butyl alcohol	2.971	59	219341	343.916	ug/l	98
16) Acetone	2.386	43	11098	9.253	ug/l #	86
19) Methyl tert-butyl Ether	3.123	73	6483	0.862	ug/l	98
29) Tetrahydrofuran	5.019	42	229597	197.483	ug/l	94
40) Benzene	6.050	78	19458	2.067	ug/l	95
49) 1,4-Dioxane	7.665	88	17443	268.436	ug/l	95
52) Toluene	8.726	92	6039	0.991	ug/l	95
65) Chlorobenzene	10.085	112	78992	12.194	ug/l	97
67) Ethyl Benzene	10.195	91	100343	8.763	ug/l	99
68) m/p-Xylenes	10.305	106	16668	3.813	ug/l	99
69) o-Xylene	10.646	106	13915	3.158	ug/l	95
73) Isopropylbenzene	10.969	105	17967	1.747	ug/l	98
78) n-propylbenzene	11.305	91	12011	1.010	ug/l	99
79) 2-Chlorotoluene	11.372	91	6818	0.928	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	3059	0.345	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	16910	1.932	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	52871	10.890	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	3550	0.740	ug/l	92
95) Naphthalene	13.780	128	89165	9.248	ug/l	99

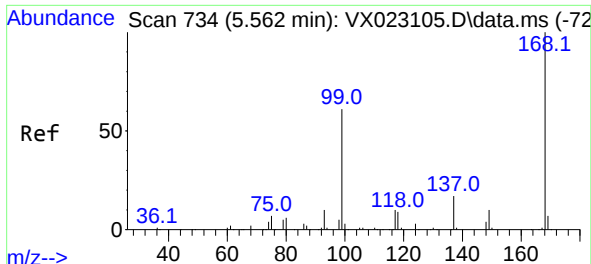
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

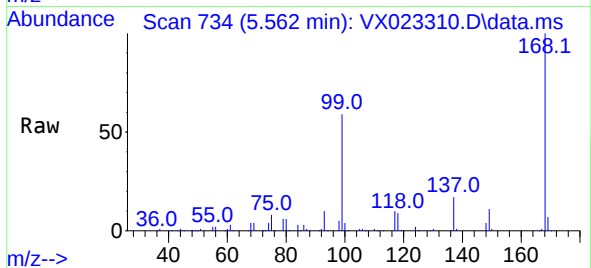
Quant Time: Jul 16 03:55:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
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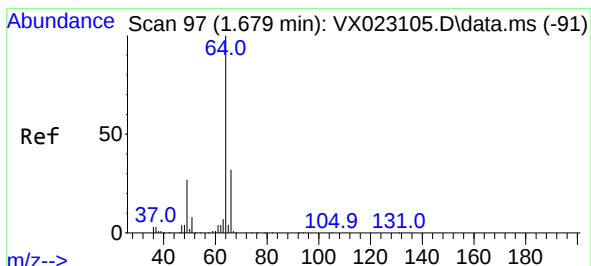
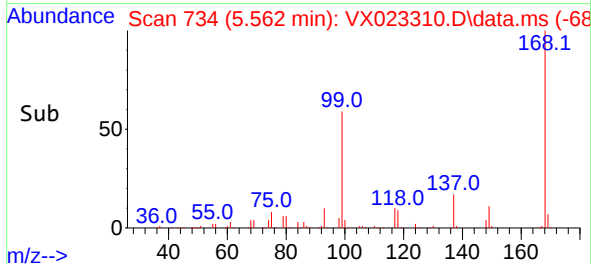
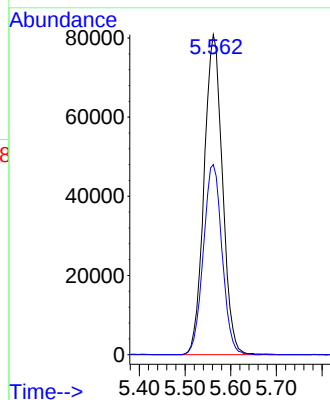


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

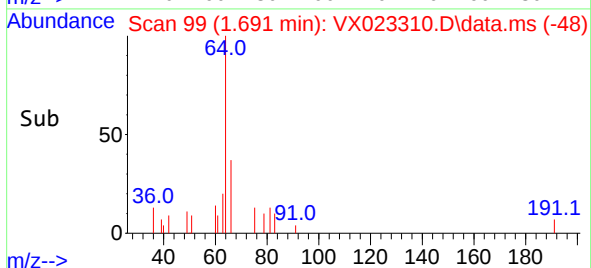
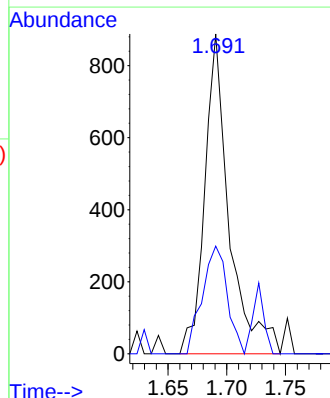
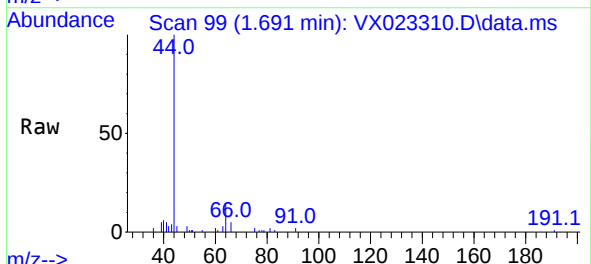


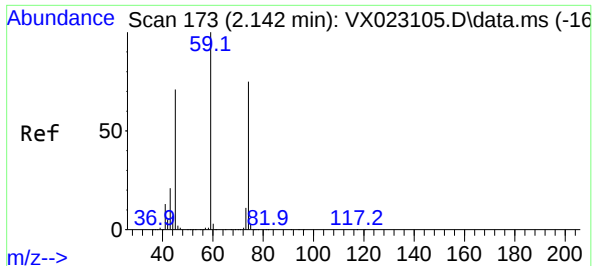
Tgt Ion:168 Resp: 225567
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#6
Chloroethane
Concen: 0.912 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion: 64 Resp: 1278
Ion Ratio Lower Upper
64 100
66 33.7 25.4 38.0

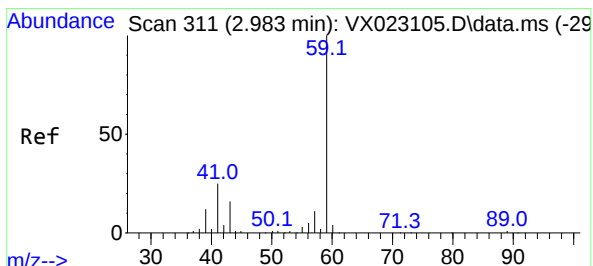
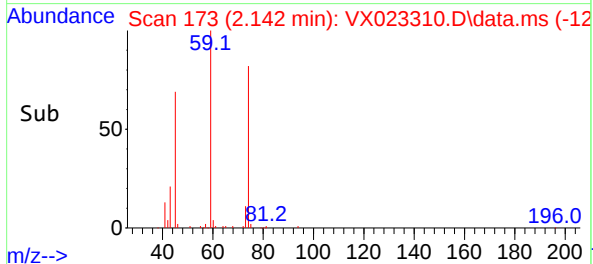
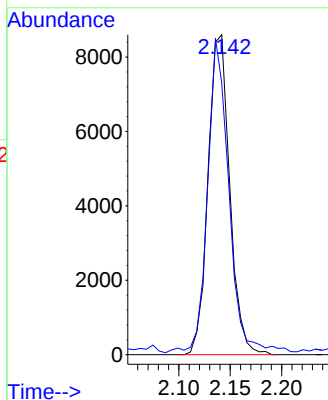
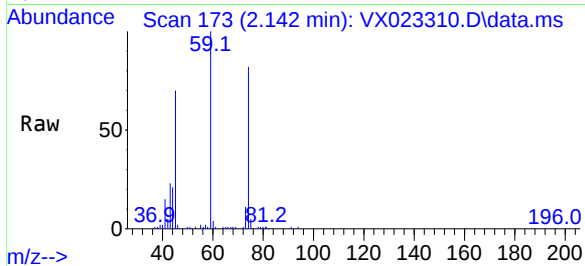




#8
Diethyl Ether
Concen: 9.171 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

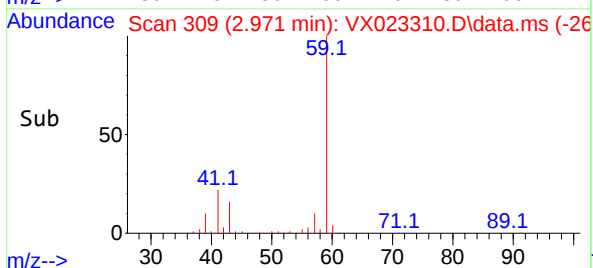
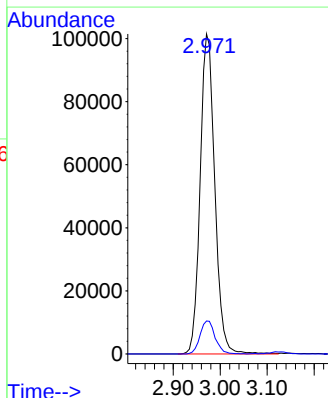
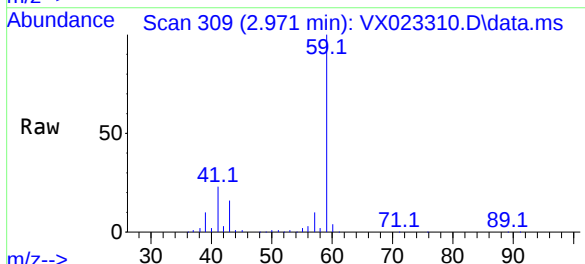
Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

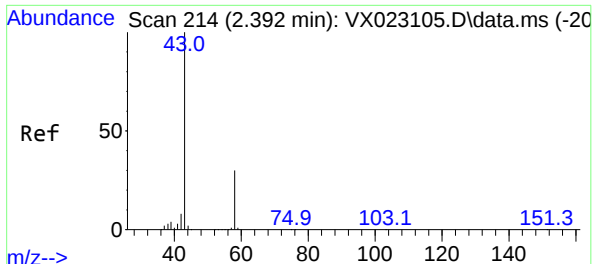
Tgt Ion: 74 Resp: 12601
Ion Ratio Lower Upper
74 100
45 96.1 44.5 133.5



#11
Tert butyl alcohol
Concen: 343.916 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion: 59 Resp: 219341
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.8

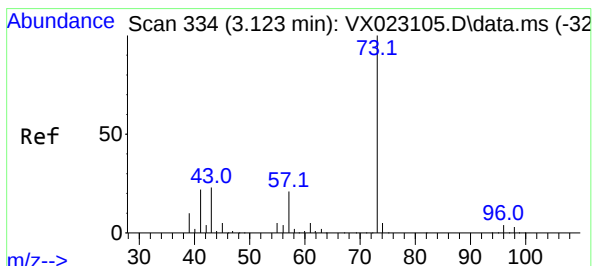
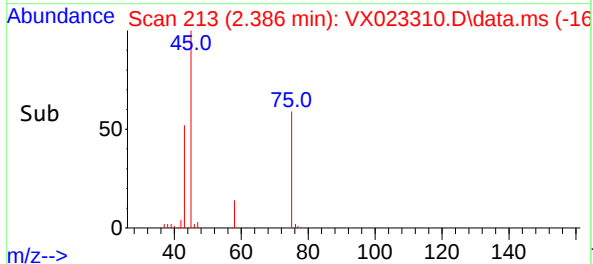
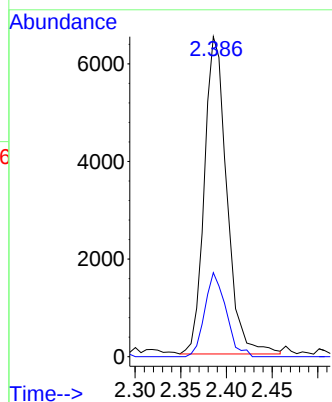
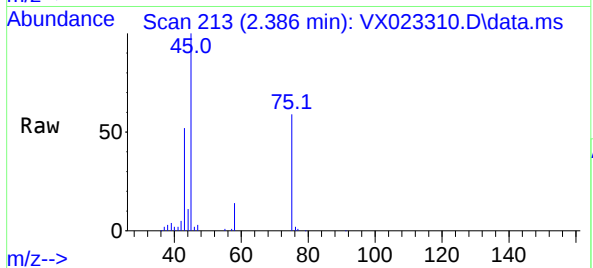




#16
Acetone
Concen: 9.253 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

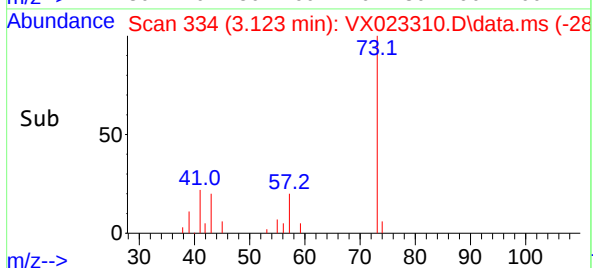
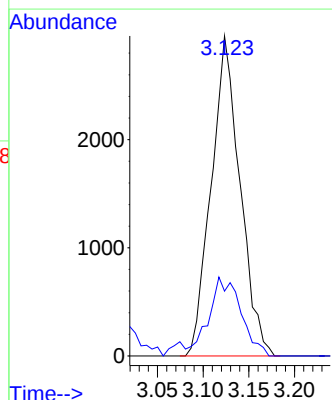
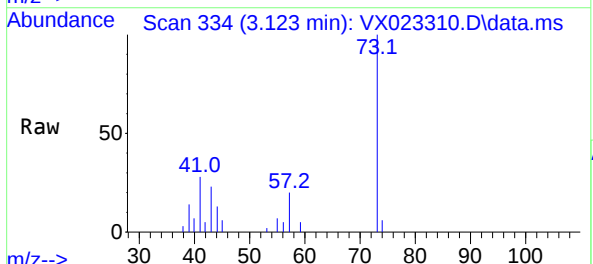
Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

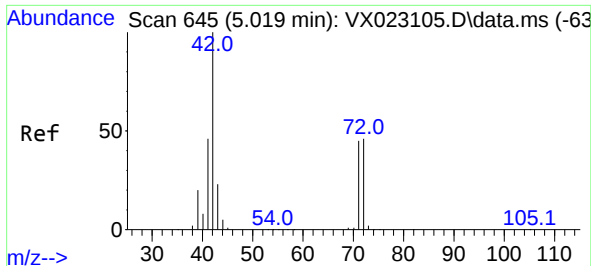
Tgt Ion: 43 Resp: 11098
Ion Ratio Lower Upper
43 100
58 26.5 27.8 41.8#



#19
Methyl tert-butyl Ether
Concen: 0.862 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion: 73 Resp: 6483
Ion Ratio Lower Upper
73 100
57 20.2 17.1 25.7





#29

Tetrahydrofuran

Concen: 197.483 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.000 min

Lab File: VX023310.D

Acq: 15 Jul 2021 19:33

Instrument :

MSVOA_X

ClientSampleId :

210714105-02-VOA

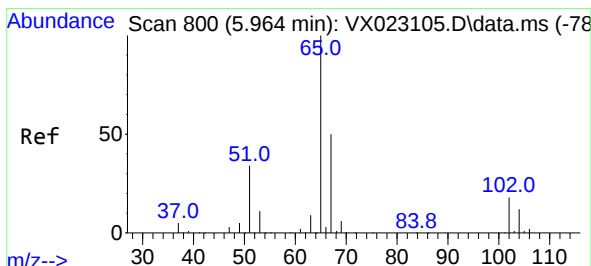
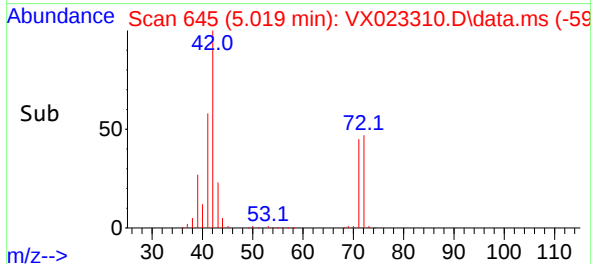
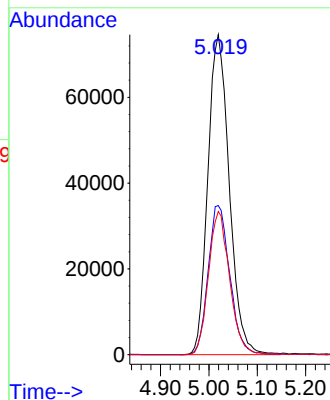
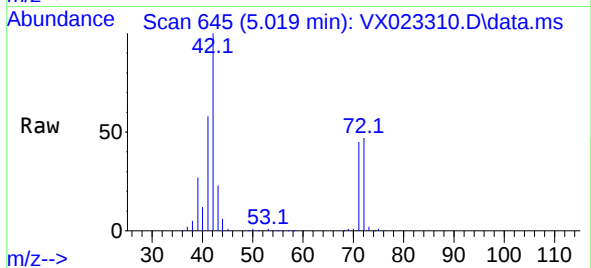
Tgt Ion: 42 Resp: 229597

Ion Ratio Lower Upper

42 100

72 47.2 41.7 62.5

71 44.2 38.4 57.6



#33

1,2-Dichloroethane-d4

Concen: 50.016 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023310.D

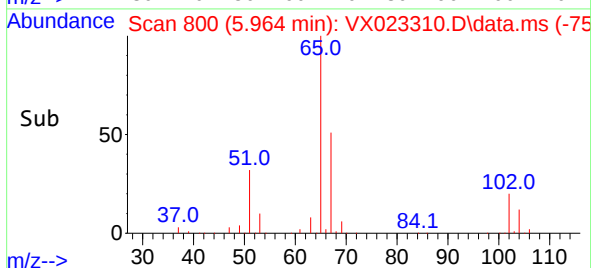
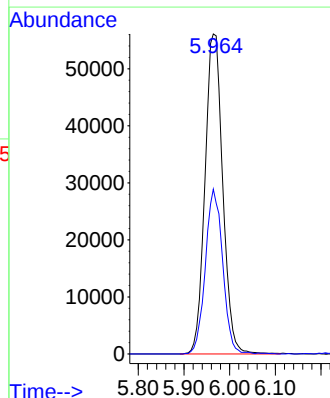
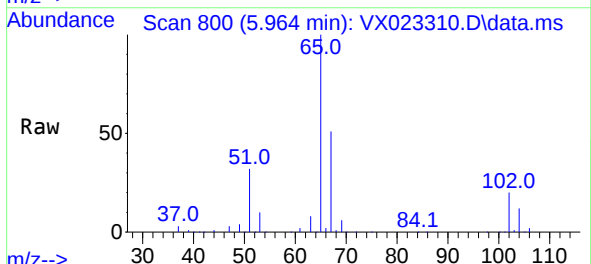
Acq: 15 Jul 2021 19:33

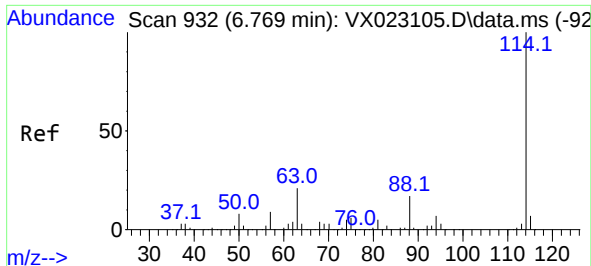
Tgt Ion: 65 Resp: 151630

Ion Ratio Lower Upper

65 100

67 50.2 0.0 105.4

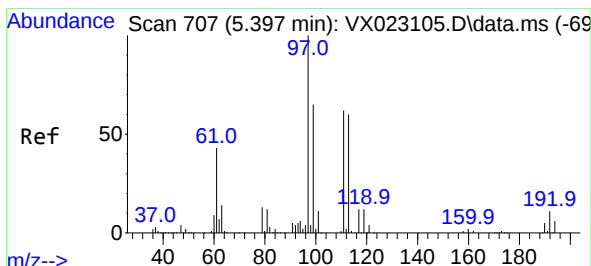
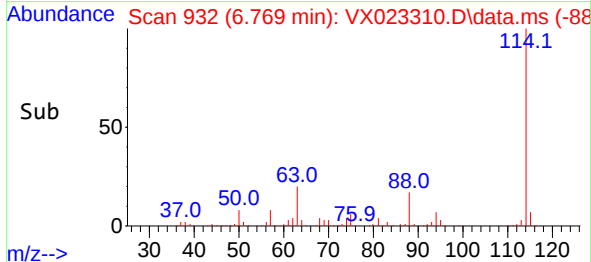
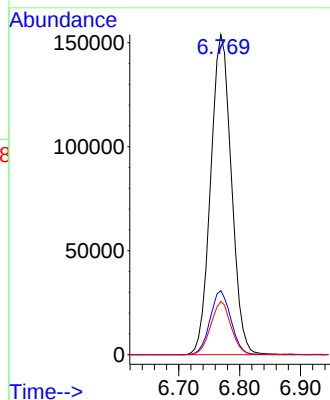
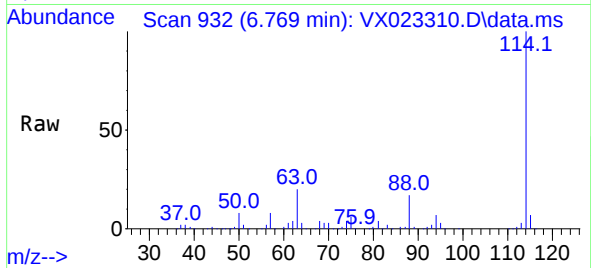




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

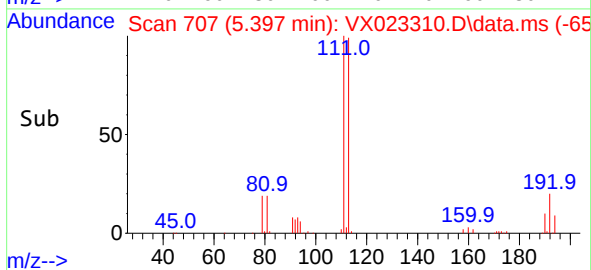
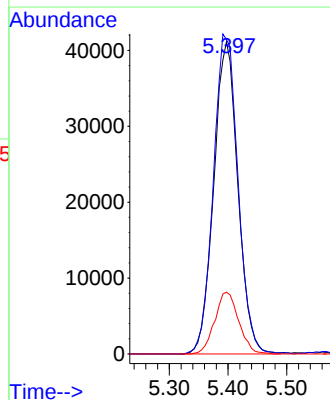
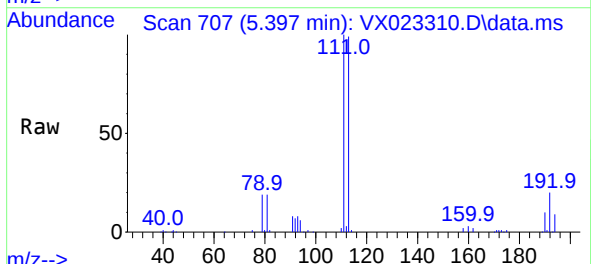
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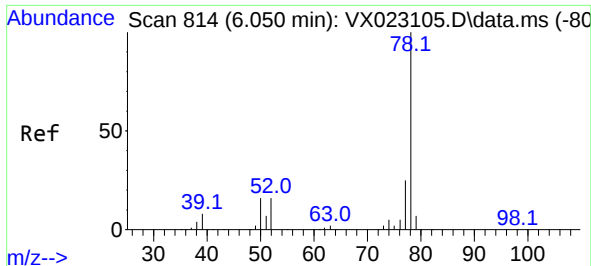
Tgt Ion:114 Resp: 363754
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.020 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion:113 Resp: 117496
Ion Ratio Lower Upper
113 100
111 104.3 81.9 122.9
192 19.6 16.7 25.1

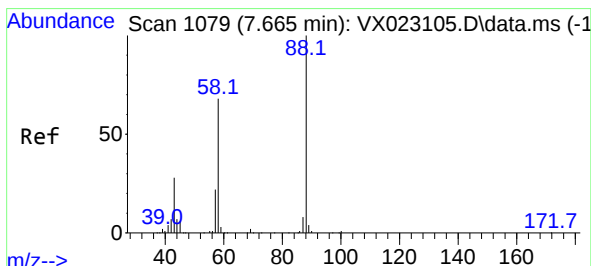
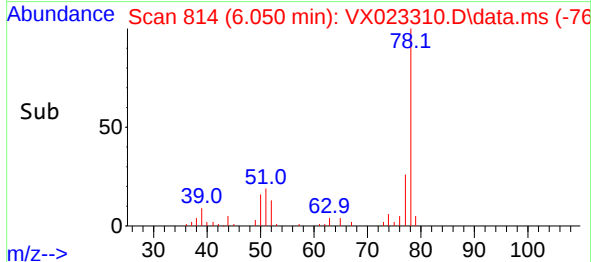
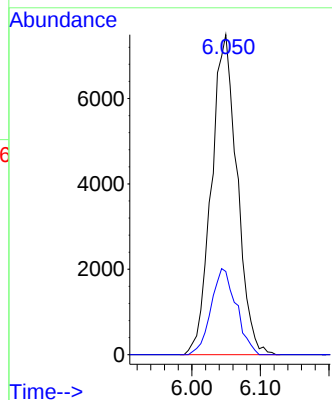
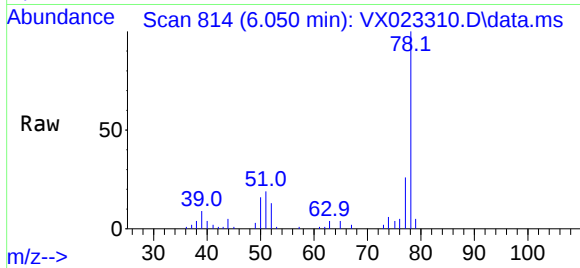




#40
Benzene
Concen: 2.067 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

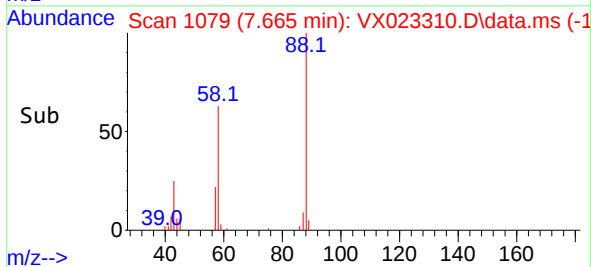
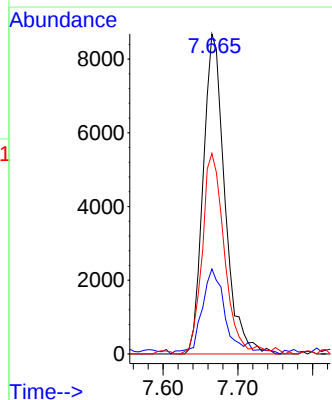
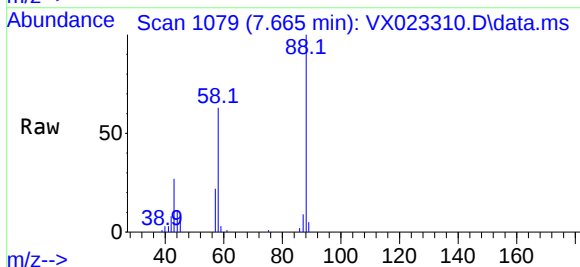
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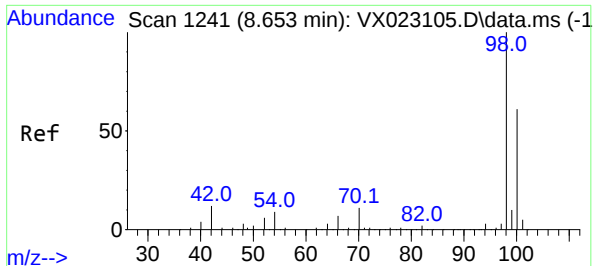
Tgt Ion: 78 Resp: 19458
Ion Ratio Lower Upper
78 100
77 26.0 18.9 28.3



#49
1,4-Dioxane
Concen: 268.436 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion: 88 Resp: 17443
Ion Ratio Lower Upper
88 100
43 29.2 23.2 34.8
58 63.3 55.0 82.4

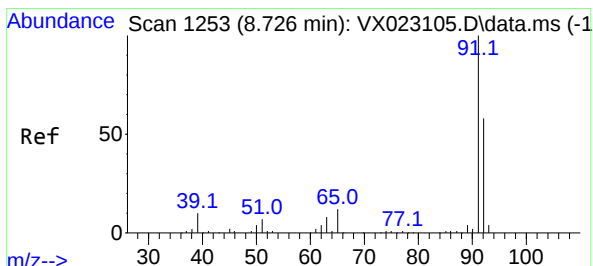
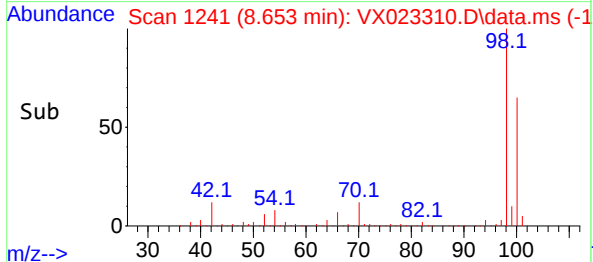
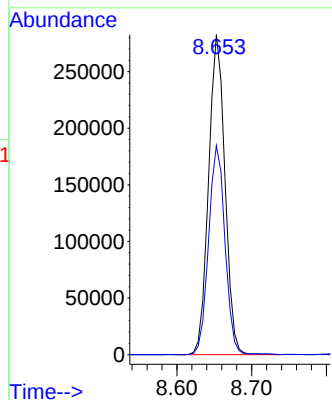
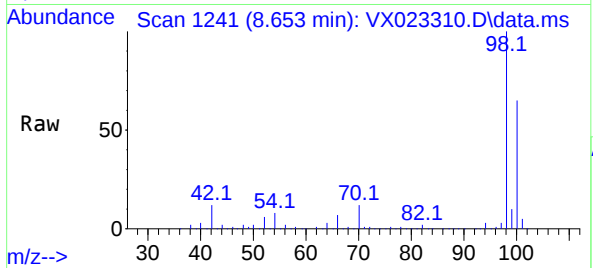




#50
Toluene-d8
Concen: 49.011 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

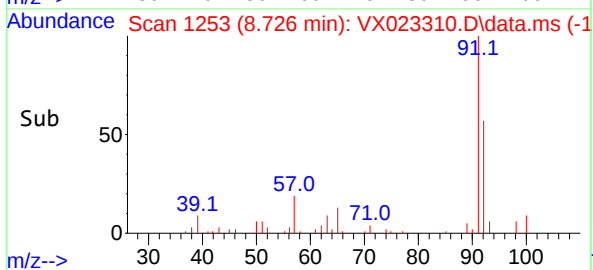
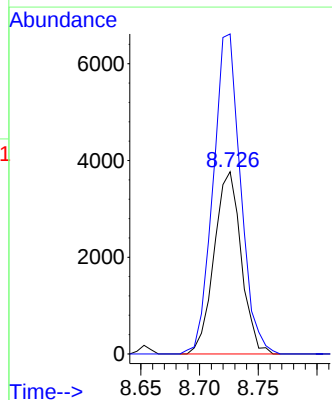
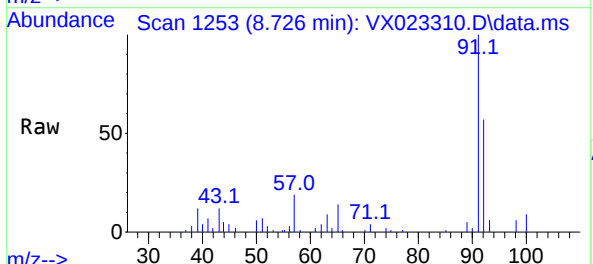
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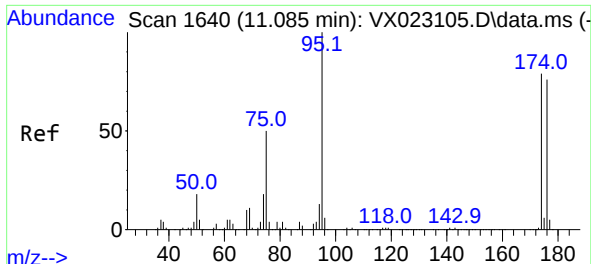
Tgt Ion: 98 Resp: 429447
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#52
Toluene
Concen: 0.991 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion: 92 Resp: 6039
Ion Ratio Lower Upper
92 100
91 178.1 137.1 205.7

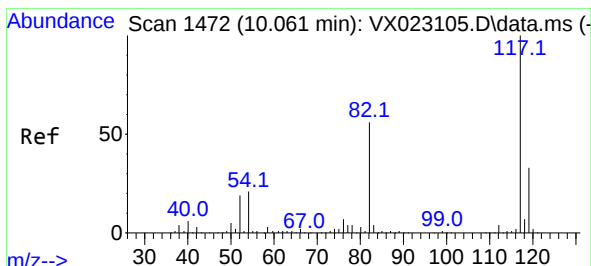
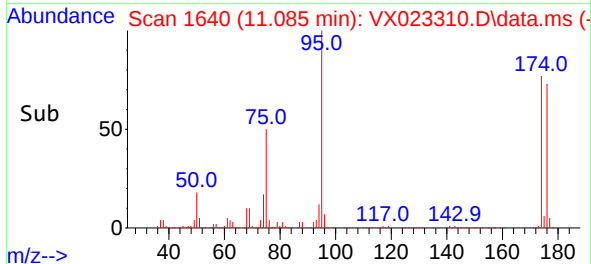
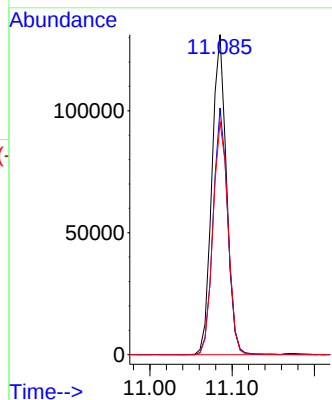
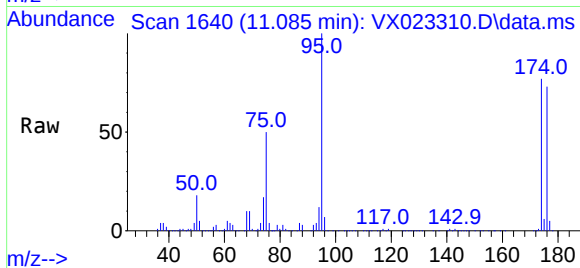




#62
4-Bromofluorobenzene
Concen: 47.823 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

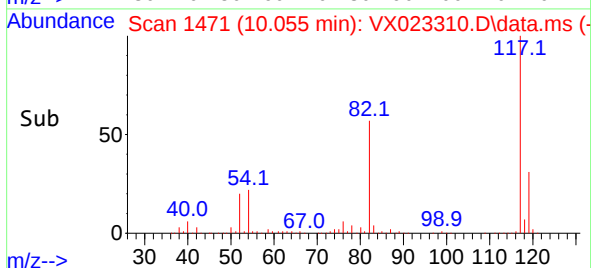
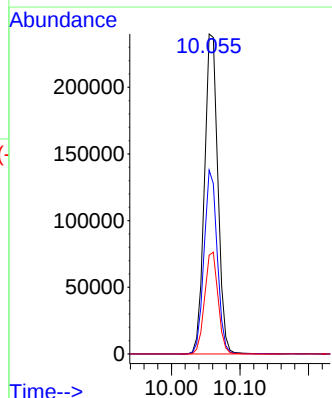
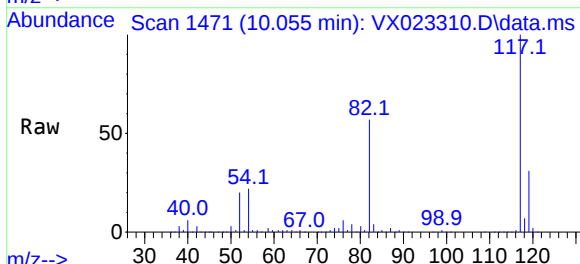
Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

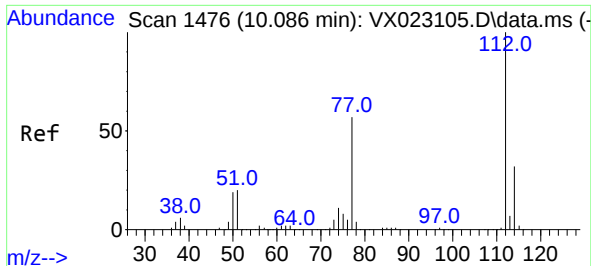
Tgt Ion: 95 Resp: 161771
Ion Ratio Lower Upper
95 100
174 77.0 0.0 154.6
176 75.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion: 117 Resp: 327694
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 30.8 26.6 39.8

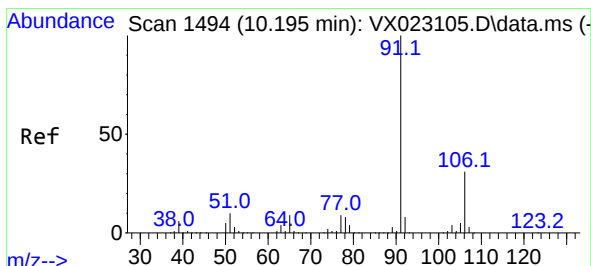
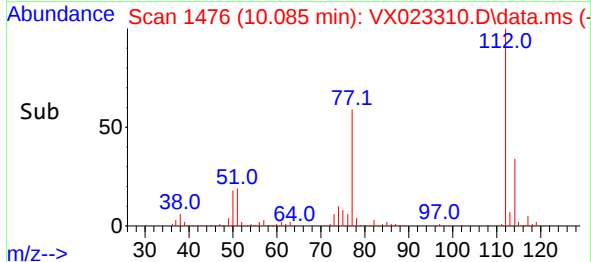
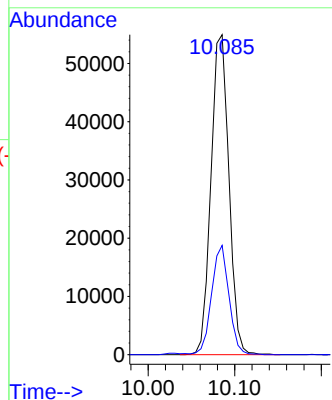
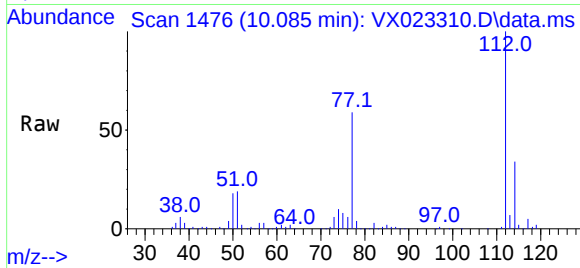




#65
Chlorobenzene
Concen: 12.194 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

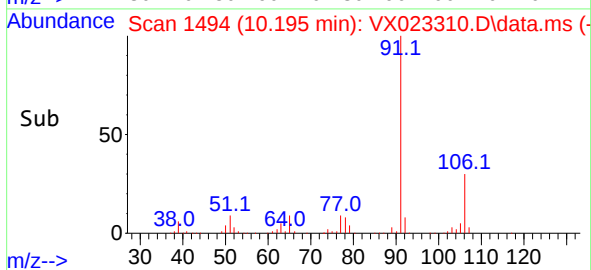
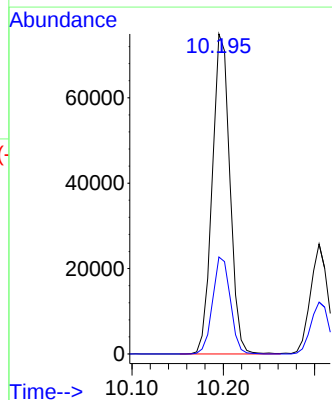
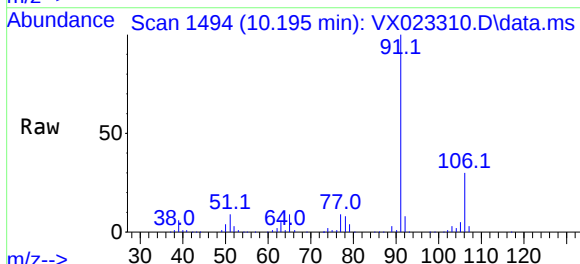
Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

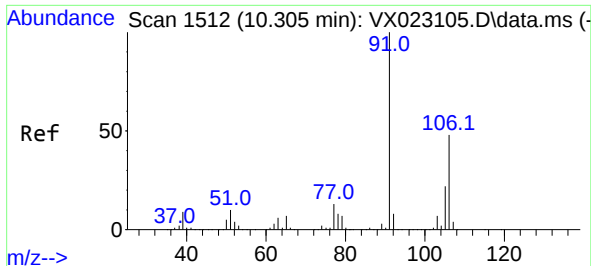
Tgt Ion:112 Resp: 78992
Ion Ratio Lower Upper
112 100
114 34.1 25.8 38.6



#67
Ethyl Benzene
Concen: 8.763 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion: 91 Resp: 100343
Ion Ratio Lower Upper
91 100
106 30.3 24.6 37.0

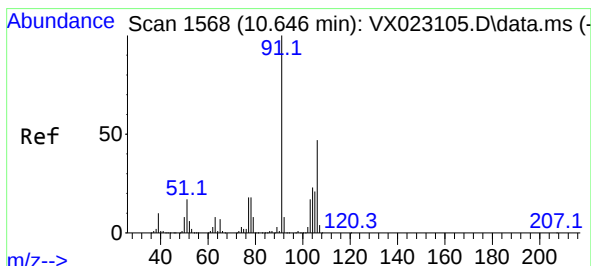
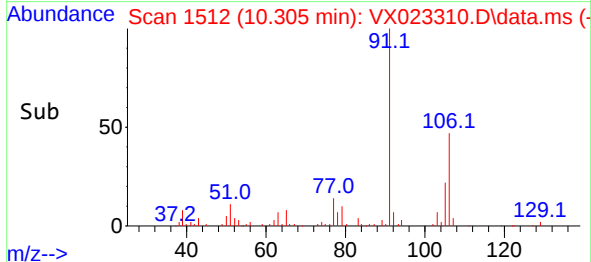
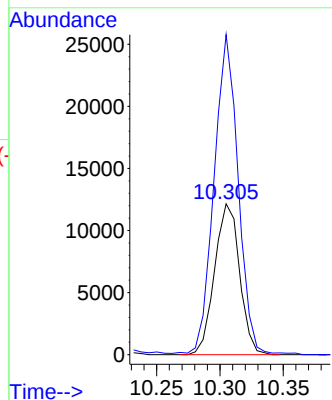
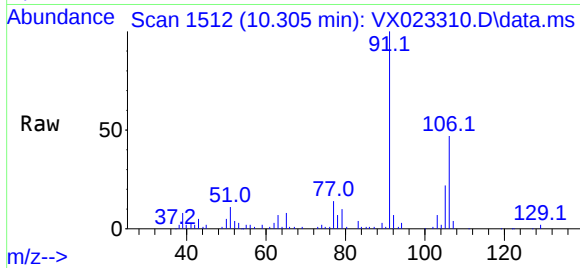




#68
m/p-Xylenes
Concen: 3.813 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

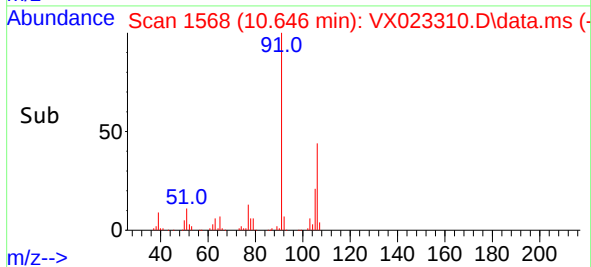
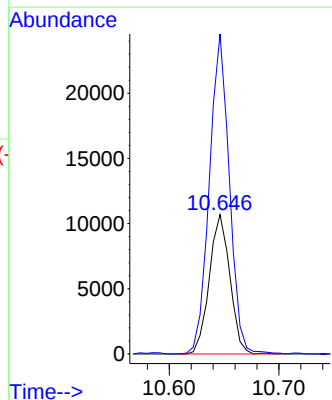
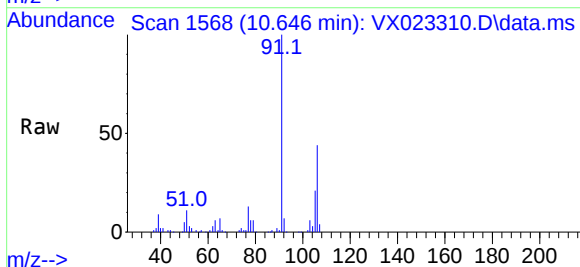
Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

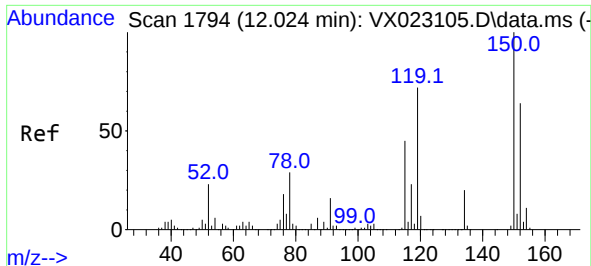
Tgt Ion:106 Resp: 16668
Ion Ratio Lower Upper
106 100
91 205.5 162.8 244.2



#69
o-Xylene
Concen: 3.158 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion:106 Resp: 13915
Ion Ratio Lower Upper
106 100
91 223.7 108.1 324.2

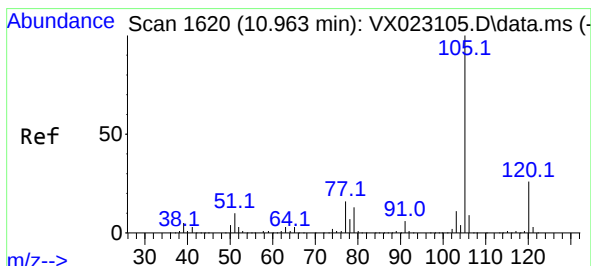
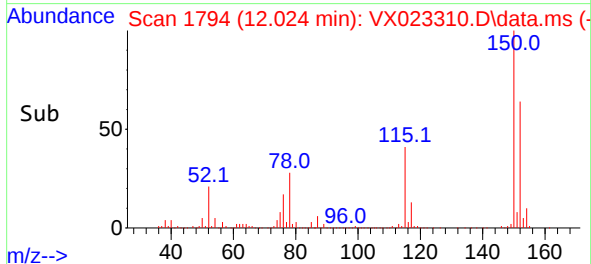
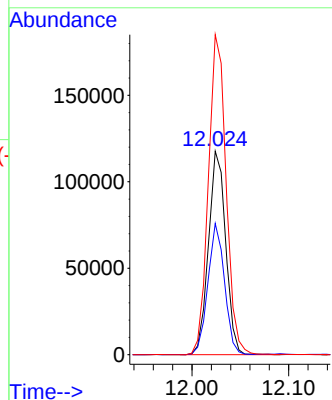
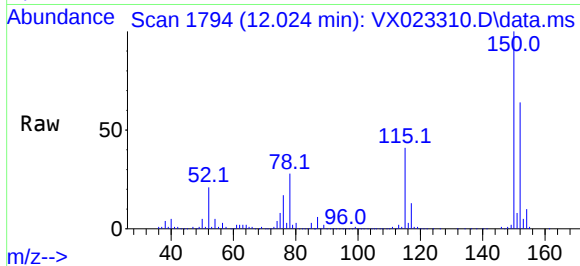




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

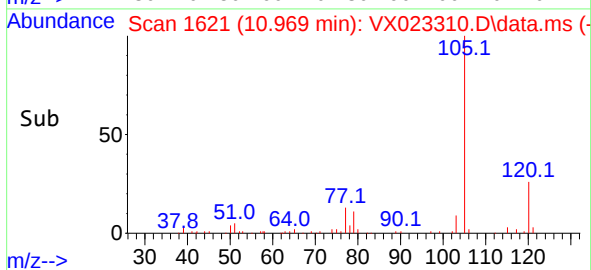
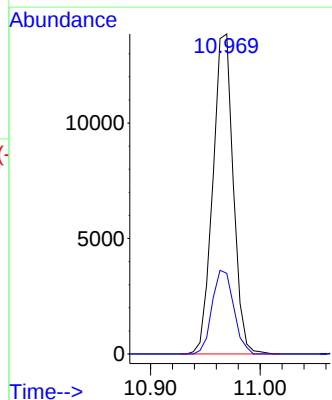
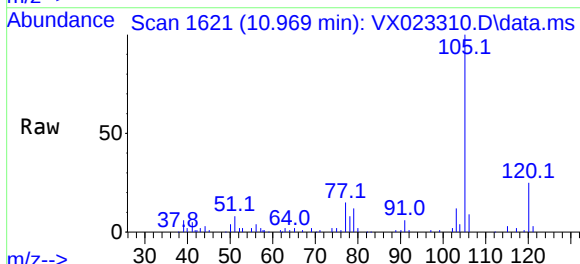
Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

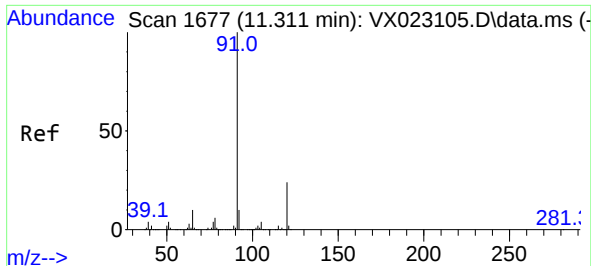
Tgt Ion:152 Resp: 145987
Ion Ratio Lower Upper
152 100
115 62.1 41.1 123.3
150 161.9 0.0 349.0



#73
Isopropylbenzene
Concen: 1.747 ug/l
RT: 10.969 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion:105 Resp: 17967
Ion Ratio Lower Upper
105 100
120 27.6 13.2 39.6

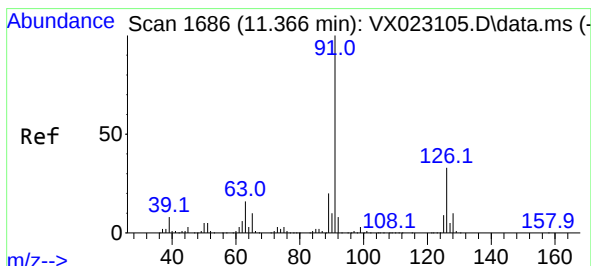
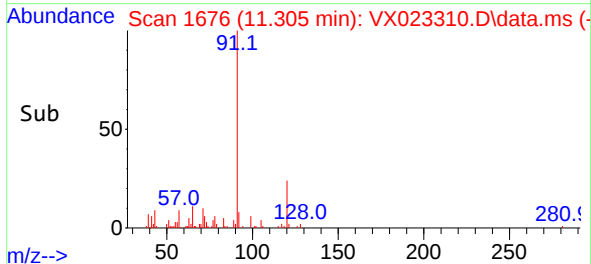
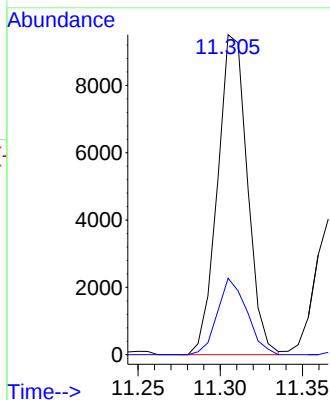
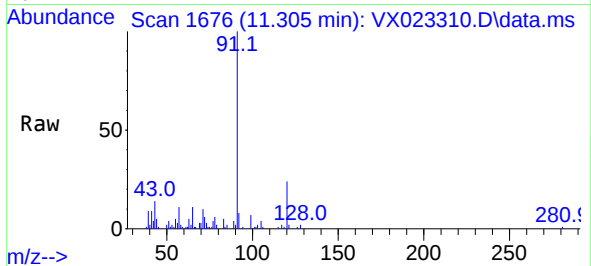




#78
n-propylbenzene
Concen: 1.010 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.006 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

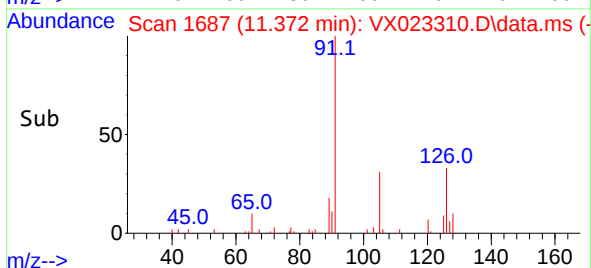
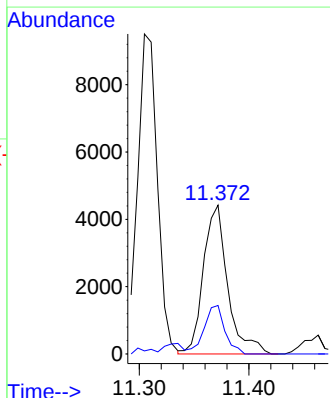
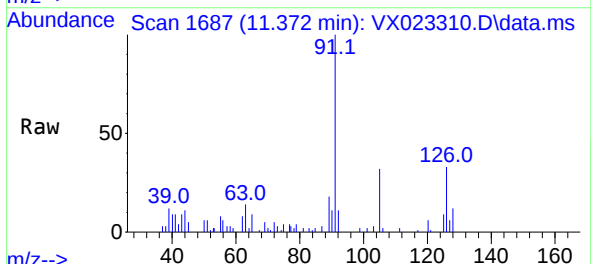
Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

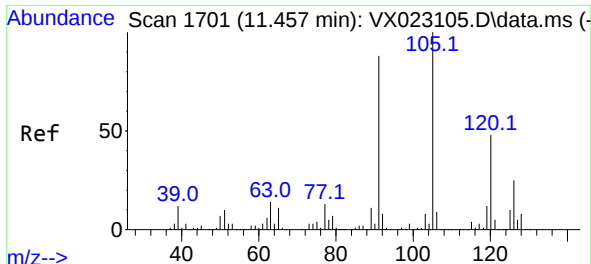
Tgt Ion: 91 Resp: 12011
Ion Ratio Lower Upper
91 100
120 23.6 11.5 34.5



#79
2-Chlorotoluene
Concen: 0.928 ug/l
RT: 11.372 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion: 91 Resp: 6818
Ion Ratio Lower Upper
91 100
126 27.8 16.6 49.8

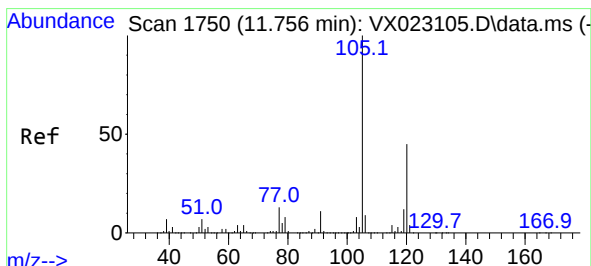
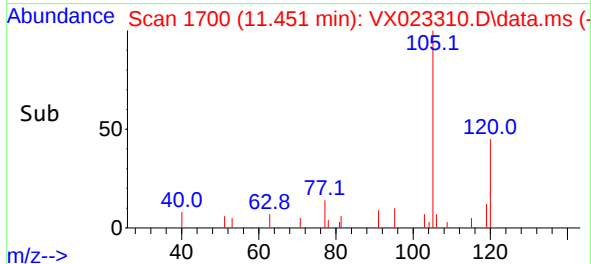
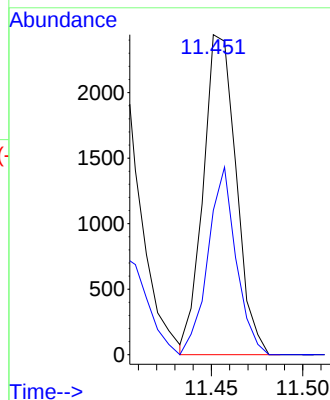
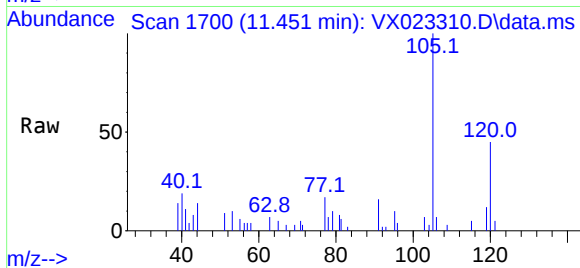




#80
1,3,5-Trimethylbenzene
Concen: 0.345 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

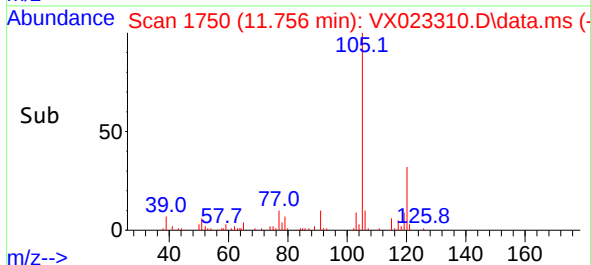
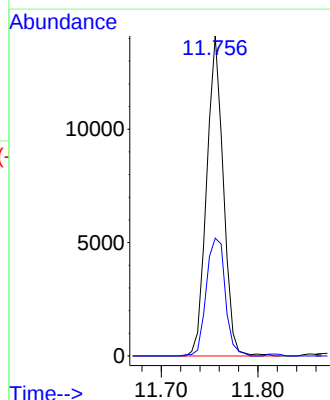
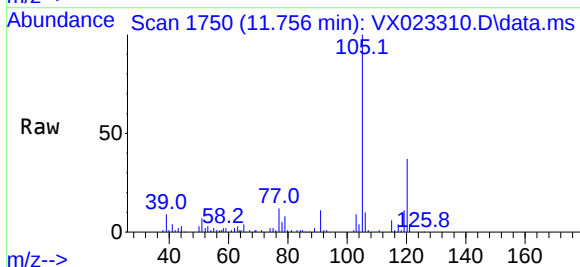
Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

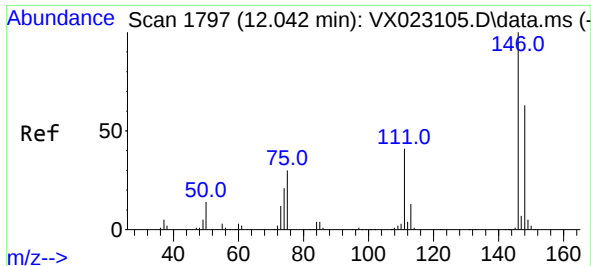
Tgt Ion:105 Resp: 3059
Ion Ratio Lower Upper
105 100
120 50.2 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 1.932 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Tgt Ion:105 Resp: 16910
Ion Ratio Lower Upper
105 100
120 42.0 22.4 67.3

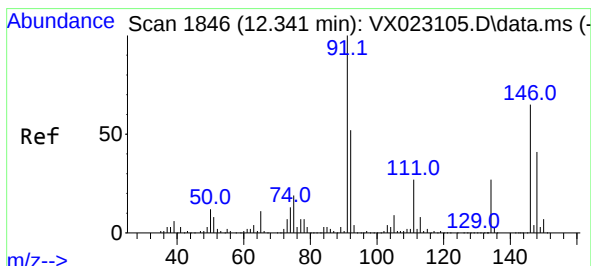
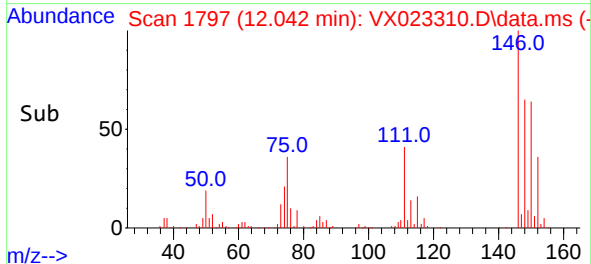
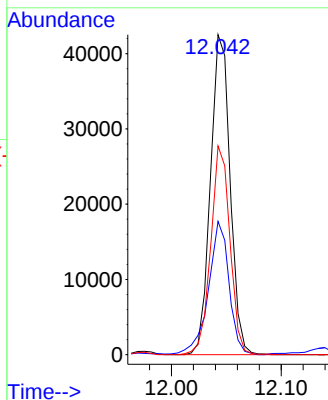
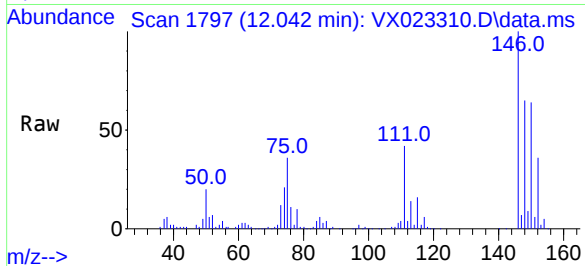




#88
1,4-Dichlorobenzene
Concen: 10.890 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

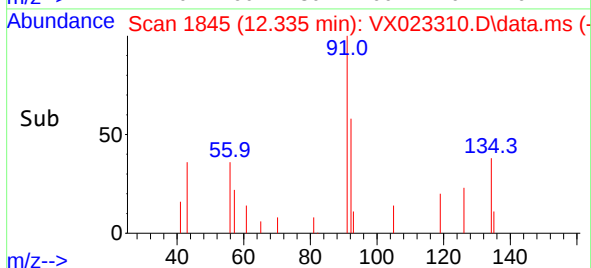
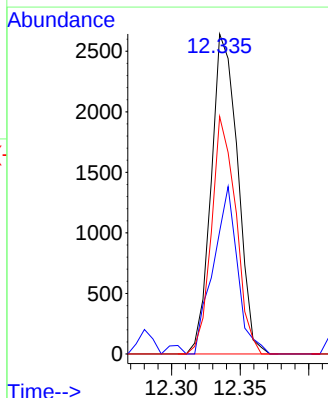
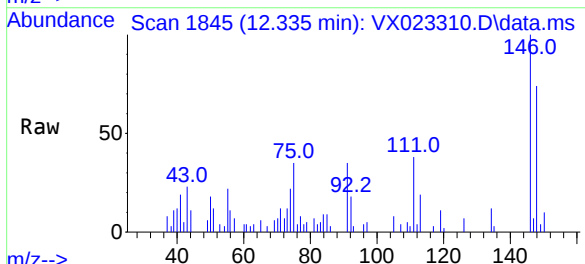
Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA

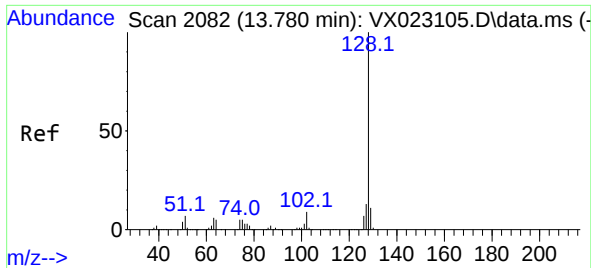
Tgt Ion:	146	Resp:	52871
Ion Ratio	Lower	Upper	
146	100		
111	43.9	19.6	58.8
148	63.9	31.6	95.0



#91
1,2-Dichlorobenzene
Concen: 0.740 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

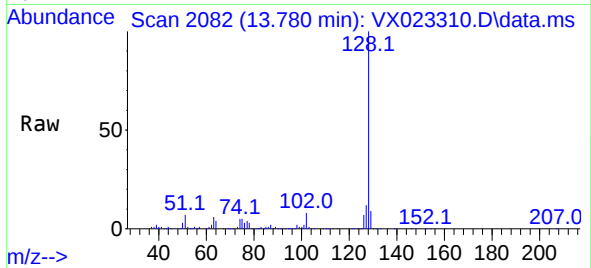
Tgt Ion:	146	Resp:	3550
Ion Ratio	Lower	Upper	
146	100		
111	48.0	20.8	62.2
148	68.2	31.9	95.5





#95
Naphthalene
Concen: 9.248 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023310.D
Acq: 15 Jul 2021 19:33

Instrument :
MSVOA_X
ClientSampleId :
210714105-02-VOA



Tgt Ion:	128	Resp:	89165
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.4	8.8	13.2

