

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070621\
 Data File : VX023147.D
 Acq On : 06 Jul 2021 15:42
 Operator : JC/MD
 Sample : M2920-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 02:52:48 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)

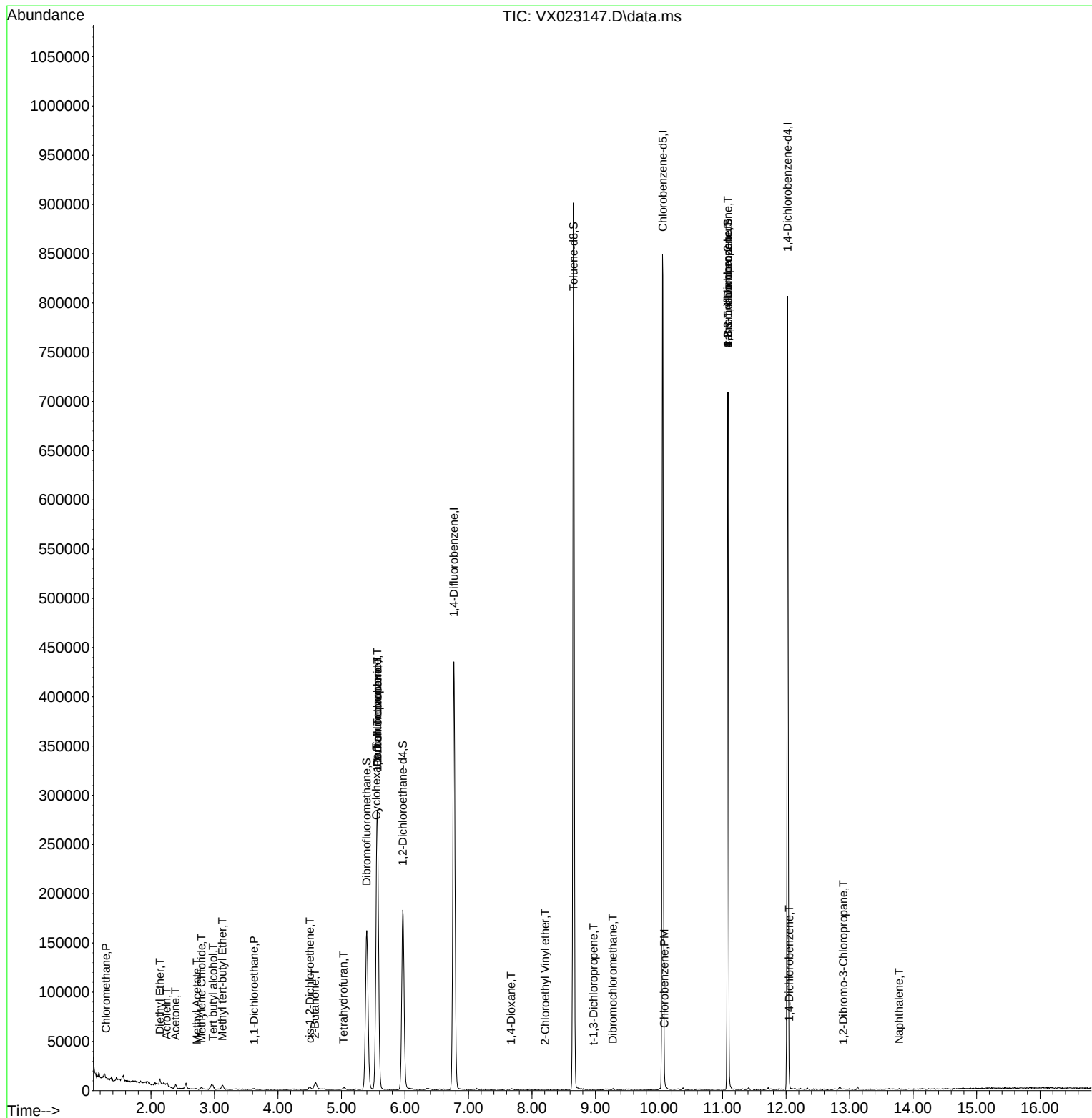
Internal Standards						
1) Pentafluorobenzene	5.562	168	265642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	437268	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	384748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	181901	50.949	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.900%			
35) Dibromofluoromethane	5.397	113	138068	48.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.800%			
50) Toluene-d8	8.653	98	518279	49.205	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.420%			
62) 4-Bromofluorobenzene	11.085	95	184927	45.477	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.960%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	482	0.202	ug/l #	75
5) Bromomethane	1.611	94	903	Below Cal	#	46
8) Diethyl Ether	2.142	74	1711	1.057	ug/l	80
11) Tert butyl alcohol	2.977	59	5033	6.701	ug/l #	94
13) Acrolein	2.245	56	368	0.736	ug/l #	34
16) Acetone	2.386	43	3745	2.651	ug/l	98
18) Methyl Acetate	2.721	43	781	0.228	ug/l #	56
19) Methyl tert-butyl Ether	3.123	73	4417	0.499	ug/l	97
20) Methylene Chloride	2.794	84	756	0.249	ug/l	91
24) 1,1-Dichloroethane	3.623	63	984	0.201	ug/l #	81
25) 2-Butanone	4.580	43	782	0.367	ug/l #	45
27) cis-1,2-Dichloroethene	4.501	96	1448	0.467	ug/l	91
29) Tetrahydrofuran	5.031	42	1784	1.303	ug/l #	86
31) Cyclohexane	5.550	56	5784	1.353	ug/l #	32
36) 1,1-Dichloropropene	5.568	75	21198	5.438	ug/l #	49
38) Carbon Tetrachloride	5.562	117	28601	7.029	ug/l #	16
49) 1,4-Dioxane	7.671	88	321	4.109	ug/l #	35
53) t-1,3-Dichloropropene	8.970	75	19	2.740	ug/l #	44
58) 2-Chloroethyl Vinyl ether	8.208	63	29	4.701	ug/l #	45
60) Dibromochloromethane	9.275	129	46	3.125	ug/l #	11
65) Chlorobenzene	10.085	112	2795	0.367	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	95872	30.307	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	95872	81.326	ug/l #	12
88) 1,4-Dichlorobenzene	12.049	146	1359	0.260	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	12.902	75	19	2.591	ug/l #	1
95) Naphthalene	13.780	128	345	1.304	ug/l #	69

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

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ClientSampleId :

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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

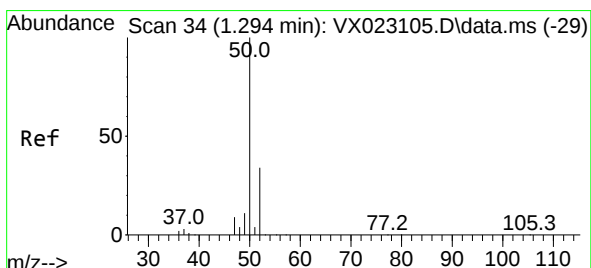
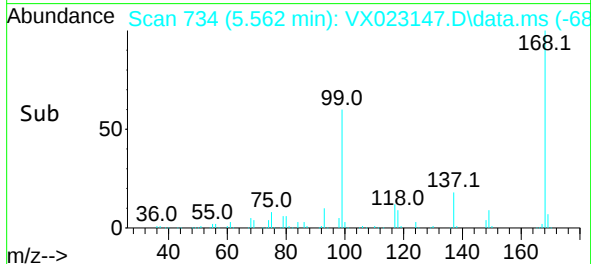
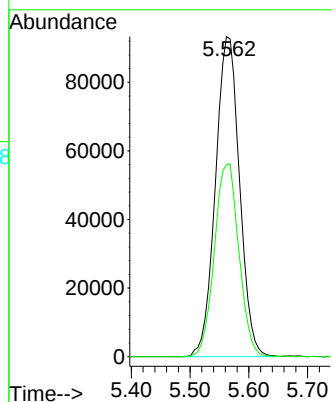
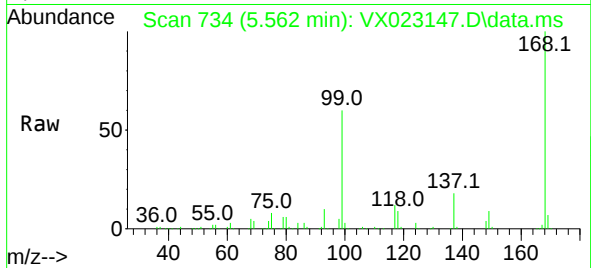




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

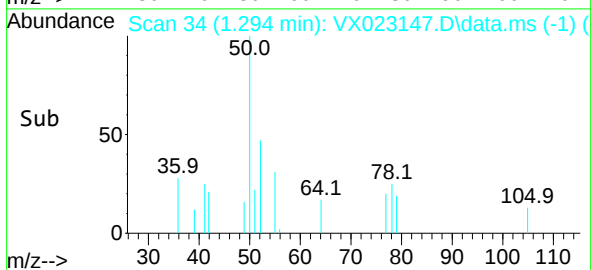
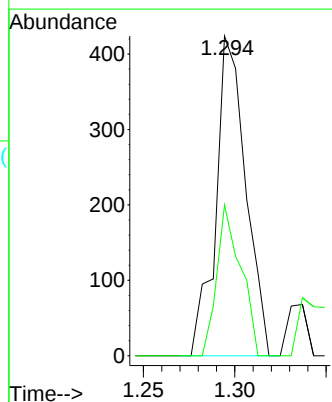
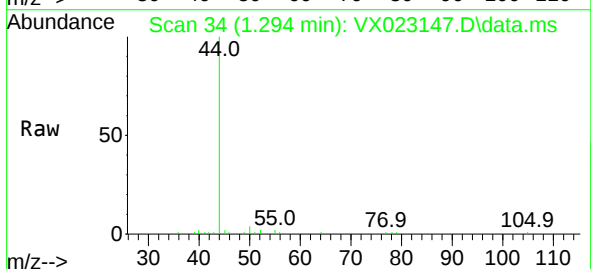
Instrument :
MSVOA_X
ClientSampleId :

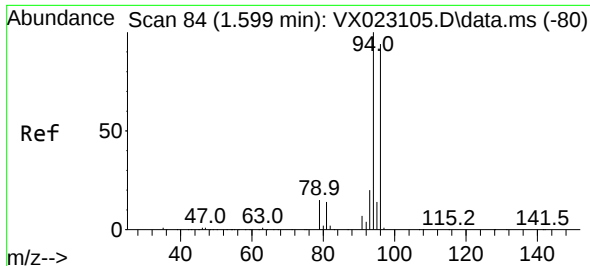
Tgt Ion:168 Resp: 265642
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 50 Resp: 482
Ion Ratio Lower Upper
50 100
52 47.2 26.4 39.6#

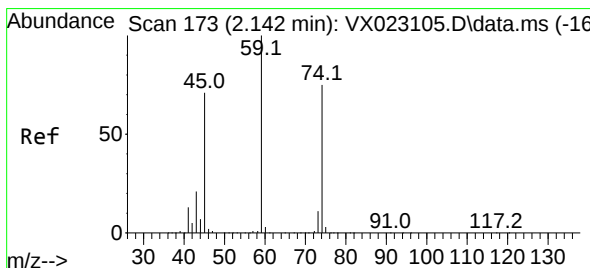
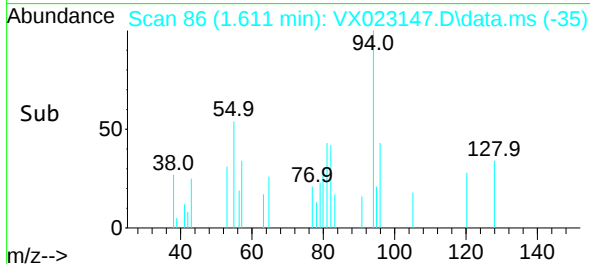
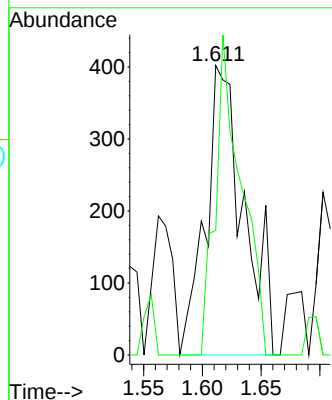
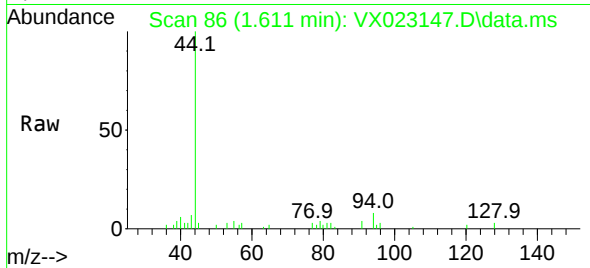




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

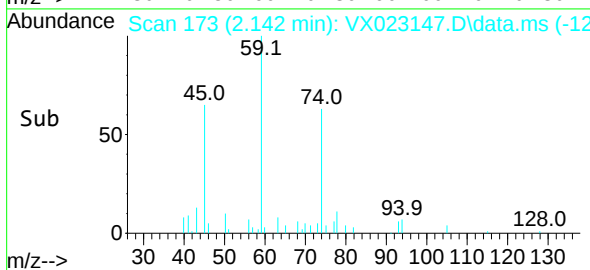
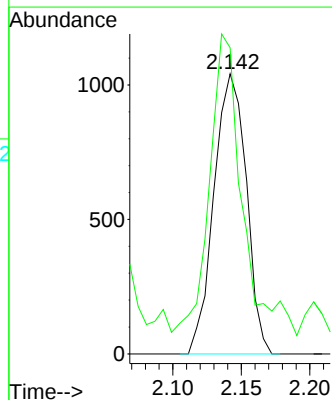
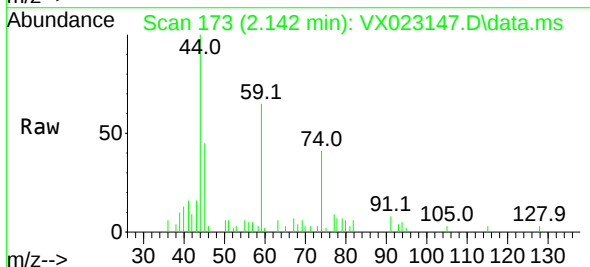
Instrument :
MSVOA_X
ClientSampled :

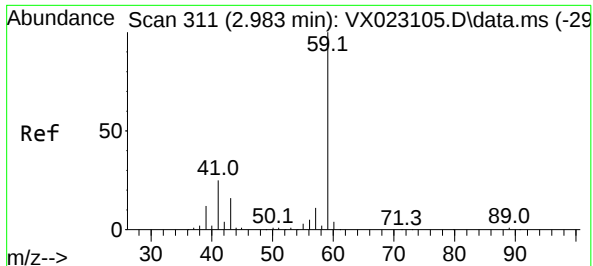
Tgt Ion: 94 Resp: 903
Ion Ratio Lower Upper
94 100
96 43.0 76.4 114.6#



#8
Diethyl Ether
Concen: 1.057 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 74 Resp: 1711
Ion Ratio Lower Upper
74 100
45 107.4 44.5 133.5



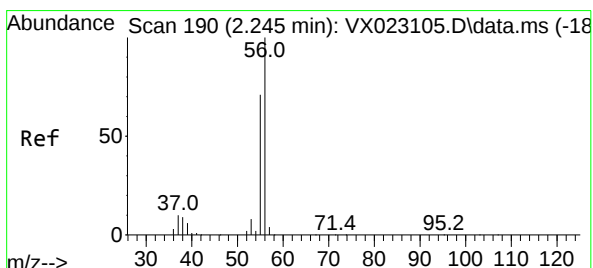
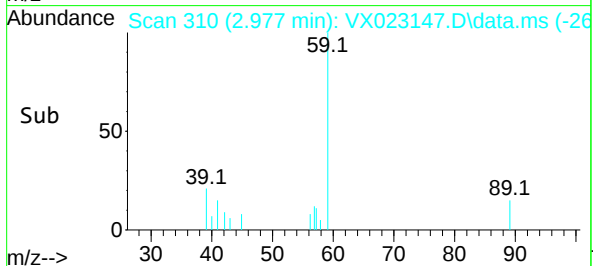
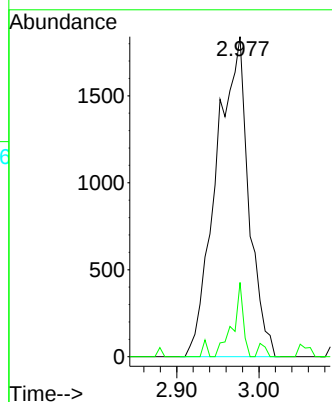
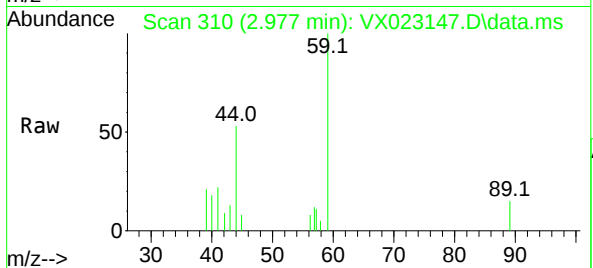


#11

Tert butyl alcohol
Concen: 6.701 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Instrument :
MSVOA_X
ClientSampleId :

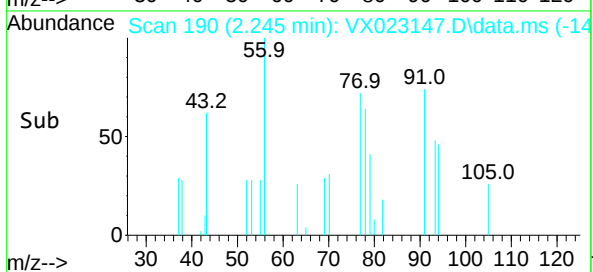
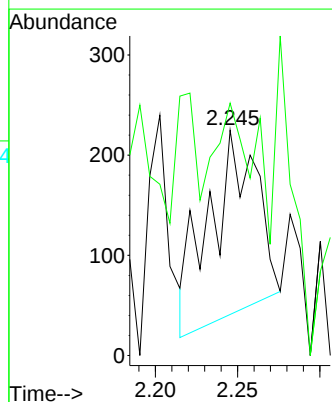
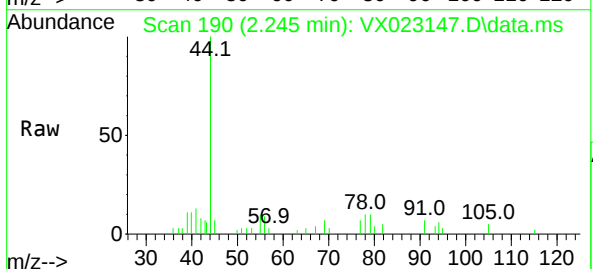
Tgt Ion: 59 Resp: 5033
Ion Ratio Lower Upper
59 100
57 7.4 7.8 11.8#

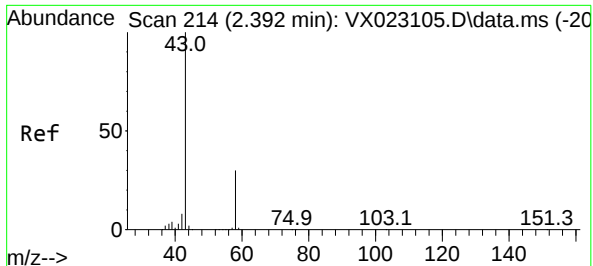


#13

Acrolein
Concen: 0.736 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 56 Resp: 368
Ion Ratio Lower Upper
56 100
55 15.8 56.4 84.6#

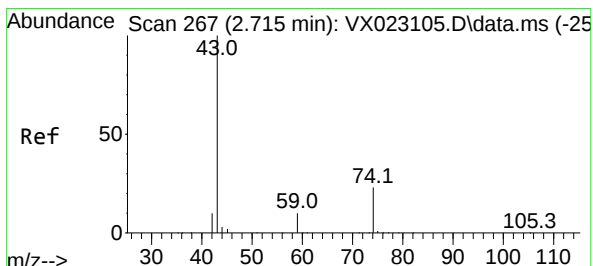
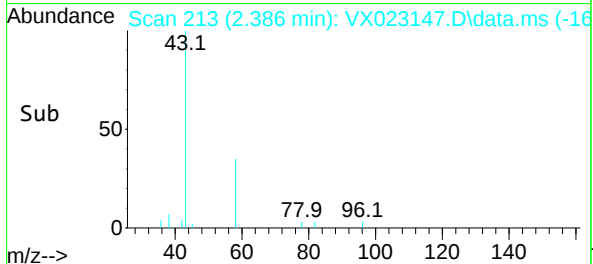
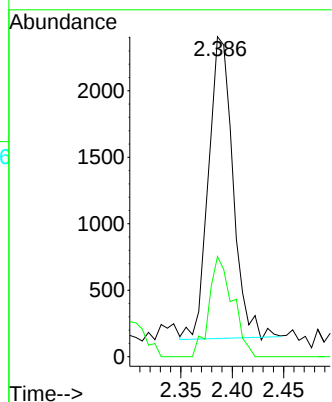
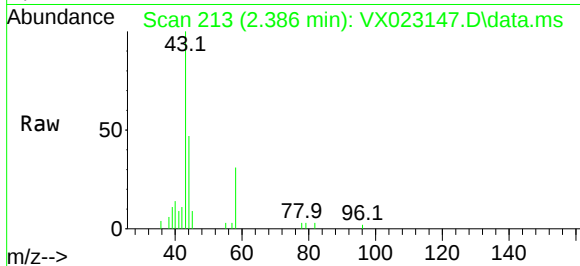




#16
Acetone
Concen: 2.651 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

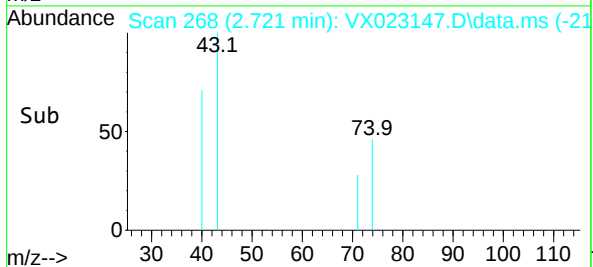
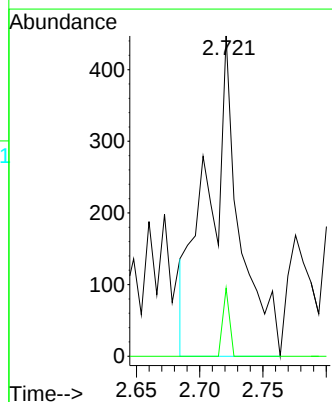
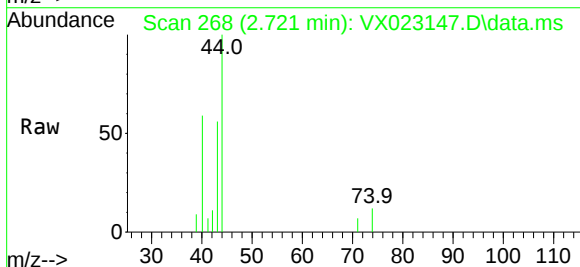
Instrument :
MSVOA_X
ClientSampled :

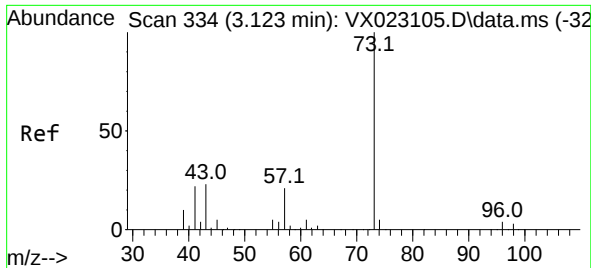
Tgt Ion: 43 Resp: 3745
Ion Ratio Lower Upper
43 100
58 33.4 27.8 41.8



#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
74 4.5 21.9 32.9#

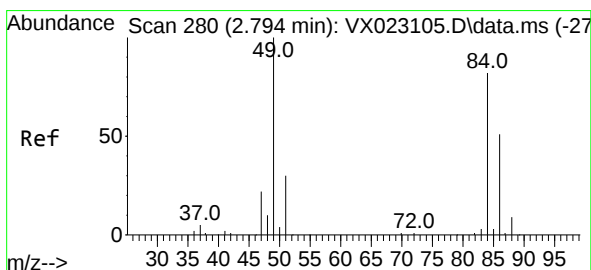
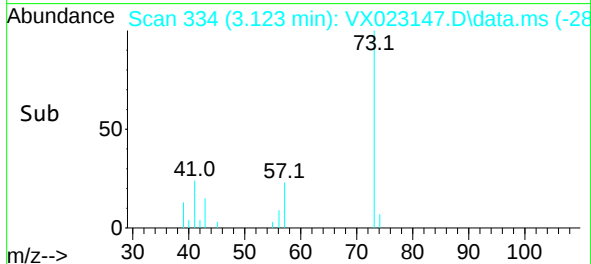
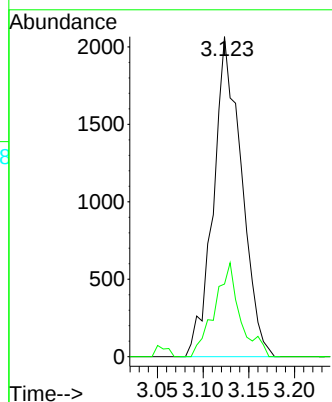
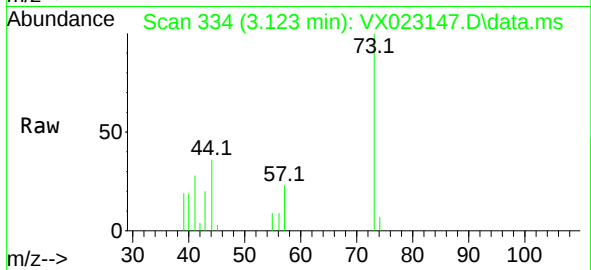




#19
Methyl tert-butyl Ether
Concen: 0.499 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

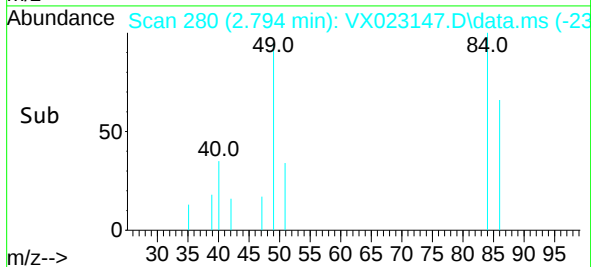
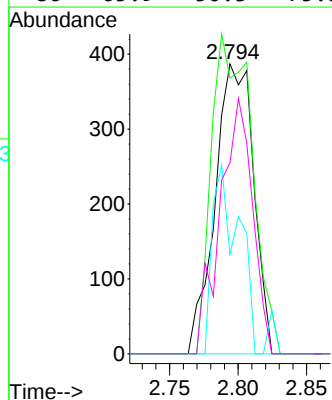
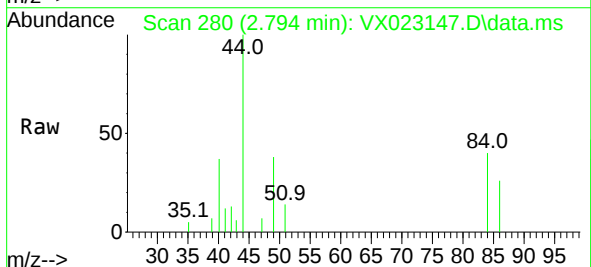
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MSVOA_X
ClientSampled :

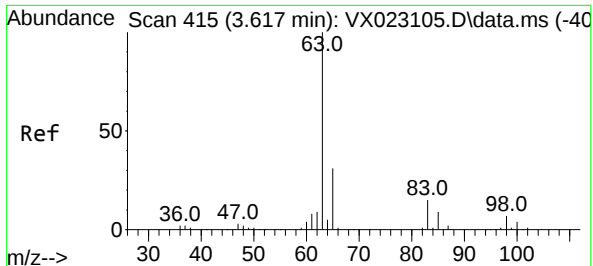
Tgt Ion: 73 Resp: 4417
Ion Ratio Lower Upper
73 100
57 22.7 17.1 25.7



#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 84 Resp: 756
Ion Ratio Lower Upper
84 100
49 95.1 88.6 132.8
51 34.4 27.0 40.6
86 65.9 50.3 75.5

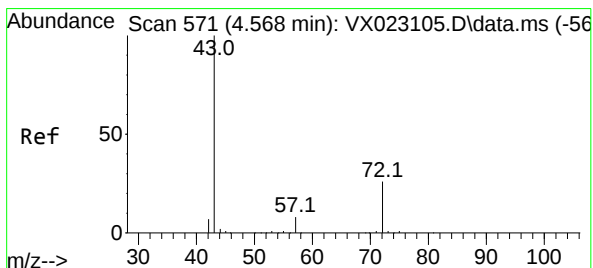
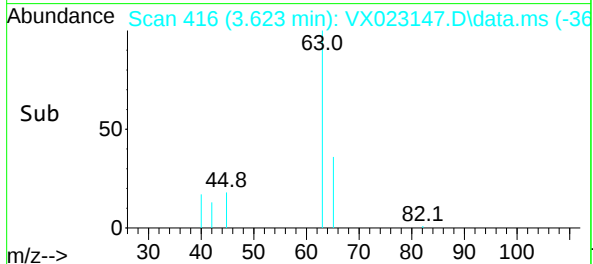
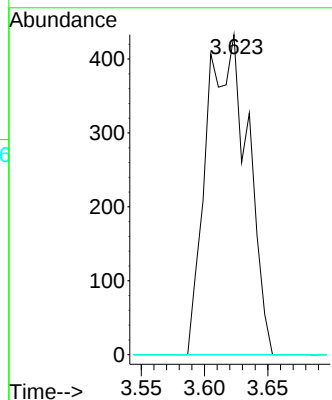
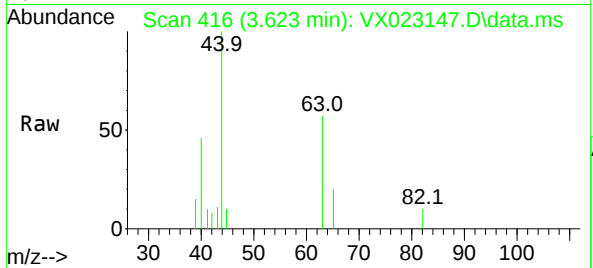




#24
1,1-Dichloroethane
Concen: 0.201 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.006 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

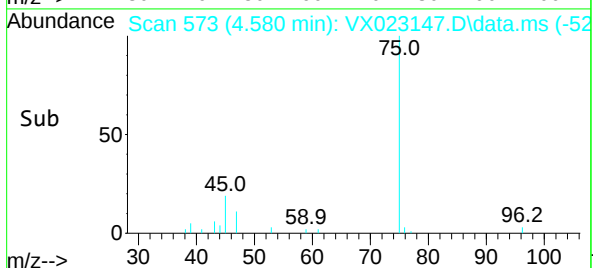
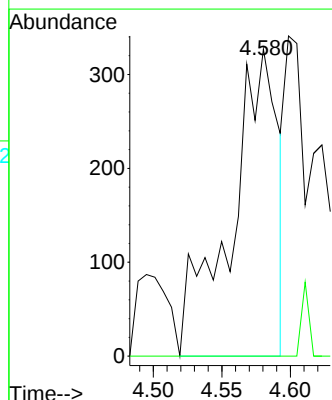
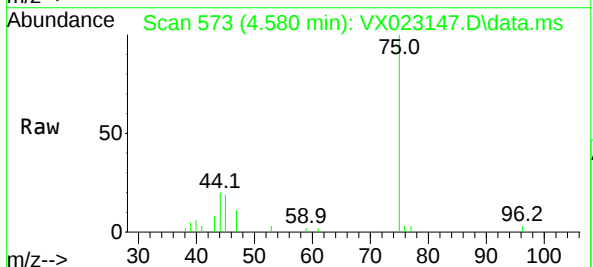
Instrument :
MSVOA_X
ClientSampled :

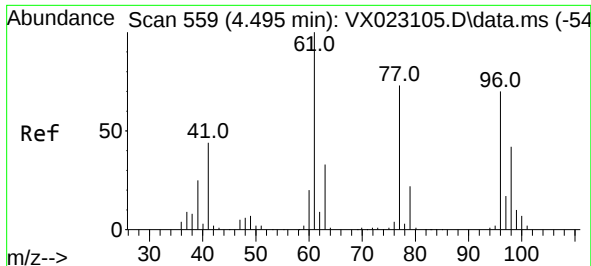
Tgt Ion: 63 Resp: 984
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 0.367 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 0.467 ug/l

RT: 4.501 min Scan# 560

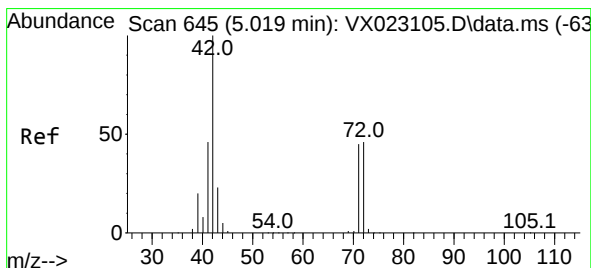
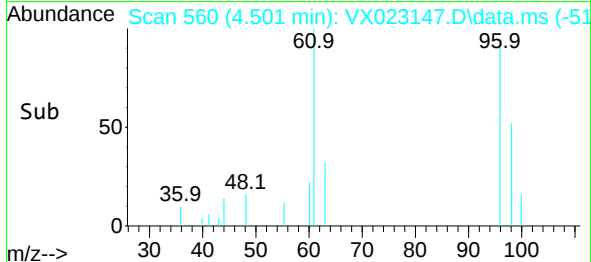
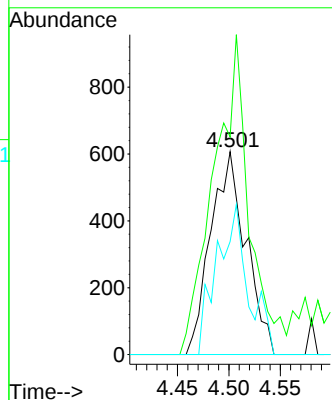
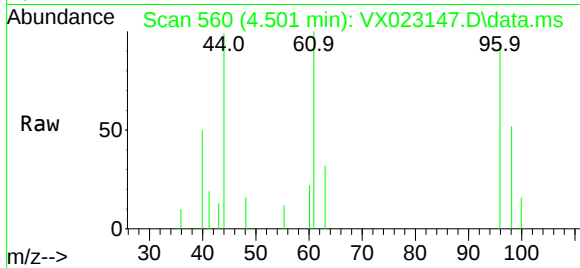
Delta R.T. 0.006 min

Lab File: VX023147.D

Acq: 06 Jul 2021 15:42

Tgt Ion: 96 Resp: 1448

Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	285.6
98	65.7	0.0	129.6



#29

Tetrahydrofuran

Concen: 1.303 ug/l

RT: 5.031 min Scan# 647

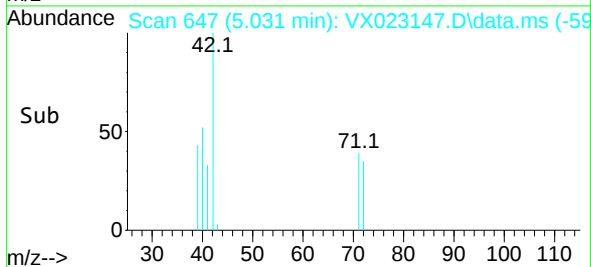
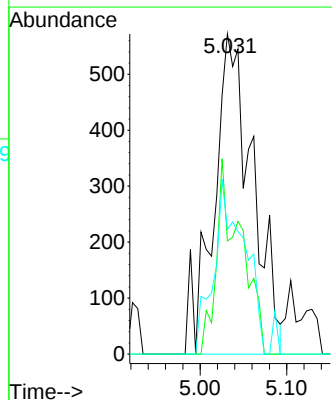
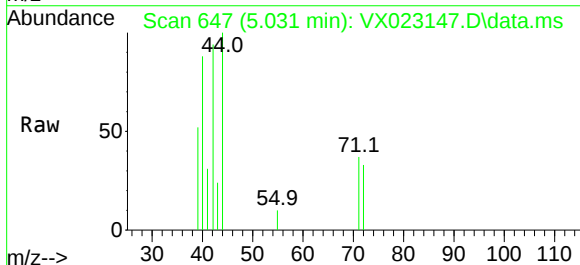
Delta R.T. 0.012 min

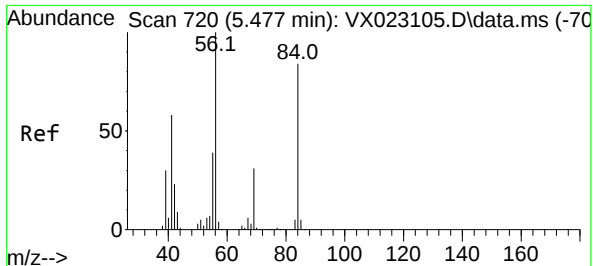
Lab File: VX023147.D

Acq: 06 Jul 2021 15:42

Tgt Ion: 42 Resp: 1784

Ion	Ratio	Lower	Upper
42	100		
72	38.3	41.7	62.5#
71	42.8	38.4	57.6

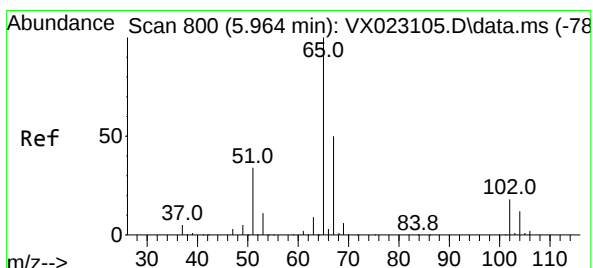
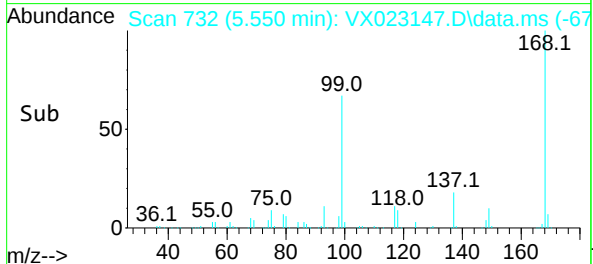
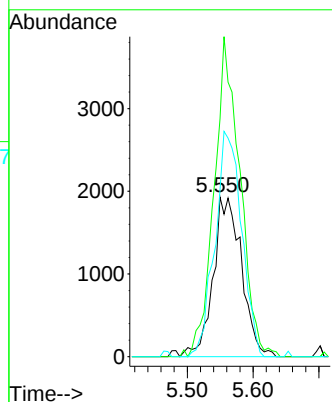
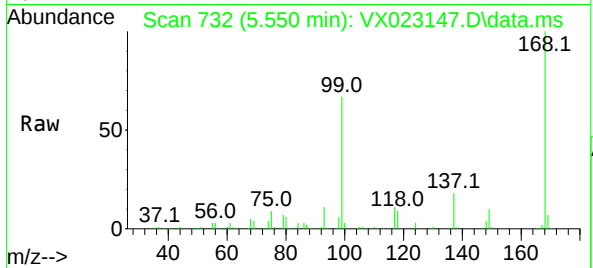




#31
Cyclohexane
Concen: 1.353 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

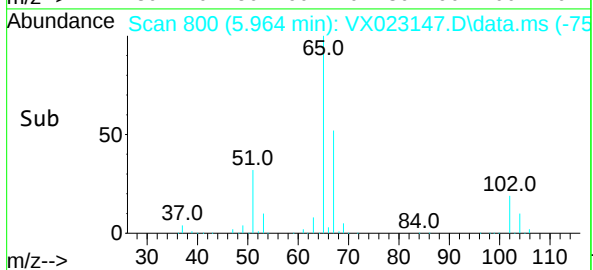
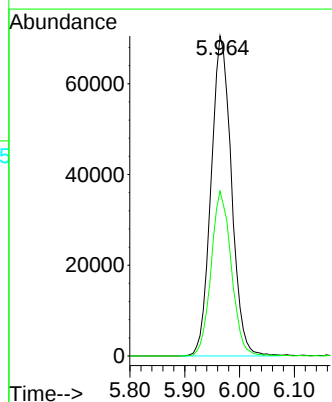
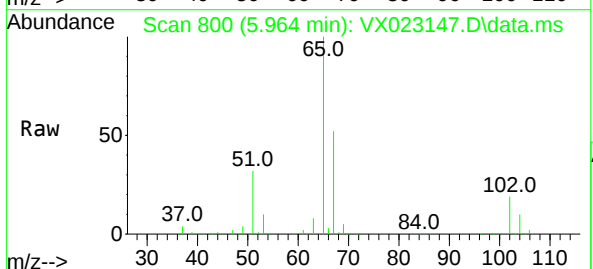
Instrument :
MSVOA_X
ClientSampleId :

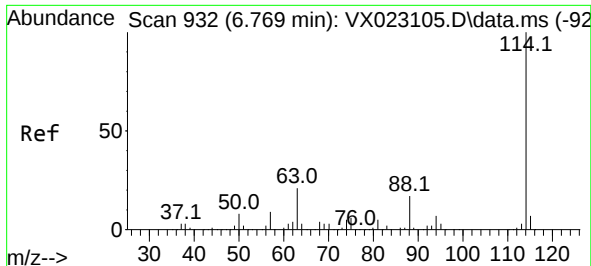
Tgt Ion: 56 Resp: 5784
Ion Ratio Lower Upper
56 100
69 149.2 25.3 37.9#
84 104.7 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 50.949 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 65 Resp: 181901
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

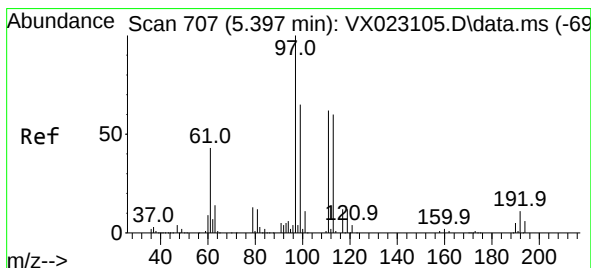
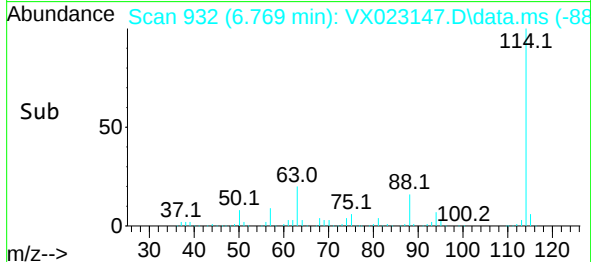
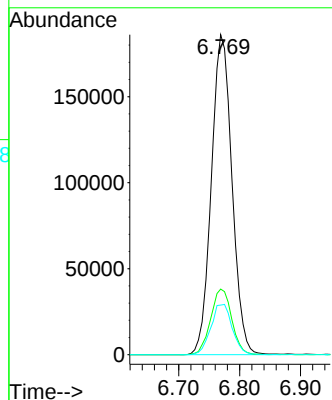
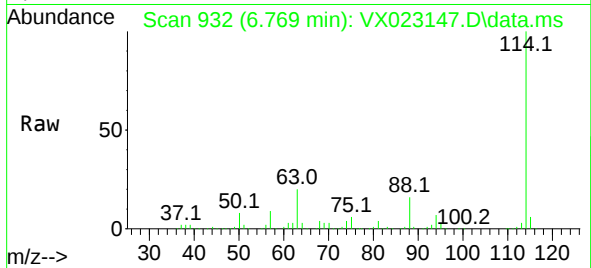




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

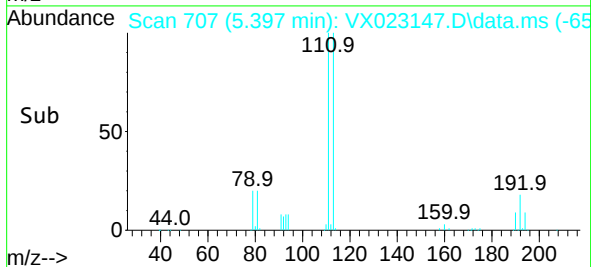
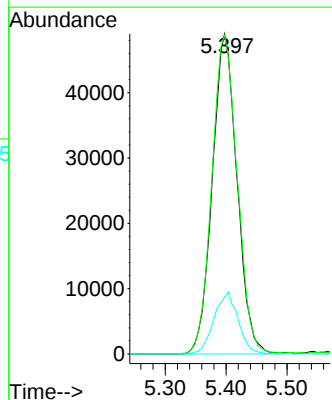
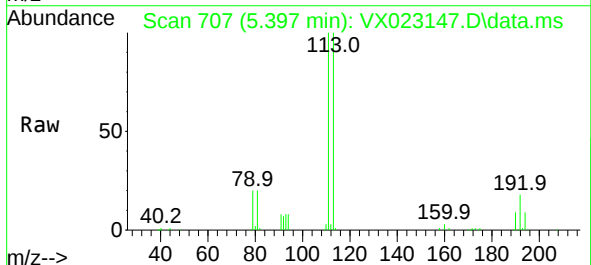
Instrument :
MSVOA_X
ClientSampleId :

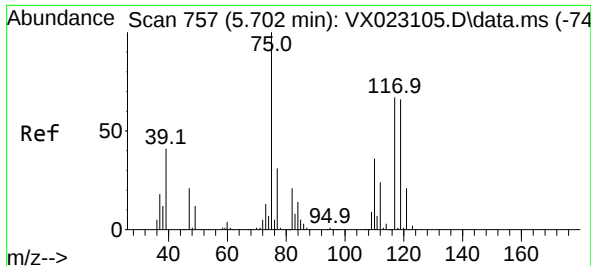
Tgt Ion:114 Resp: 437268
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 15.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.896 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion:113 Resp: 138068
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 18.8 16.7 25.1

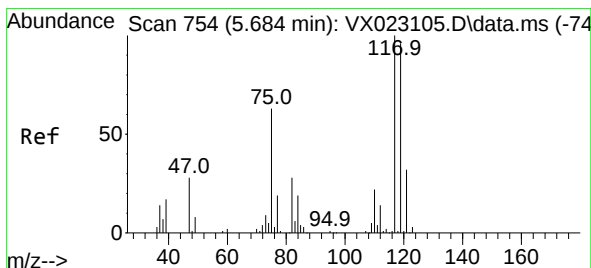
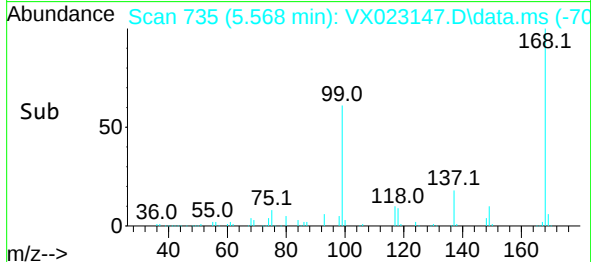
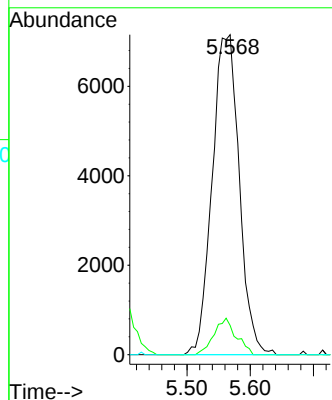
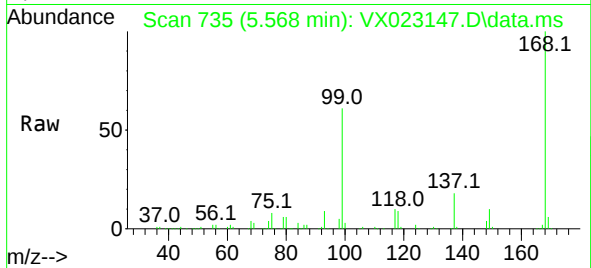




#36
1,1-Dichloropropene
Concen: 5.438 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

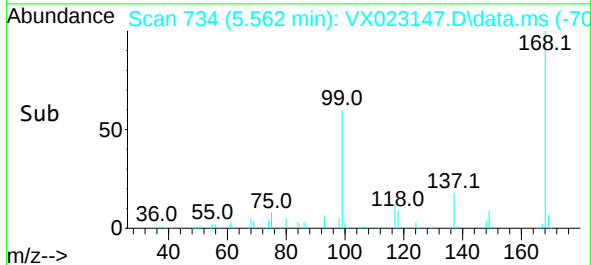
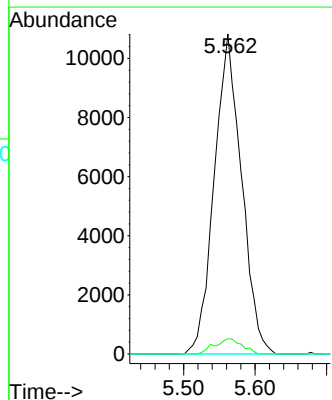
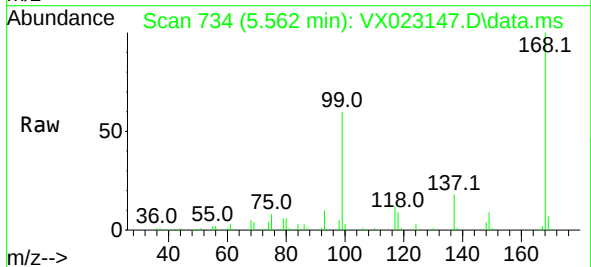
Instrument :
MSVOA_X
ClientSampleId :

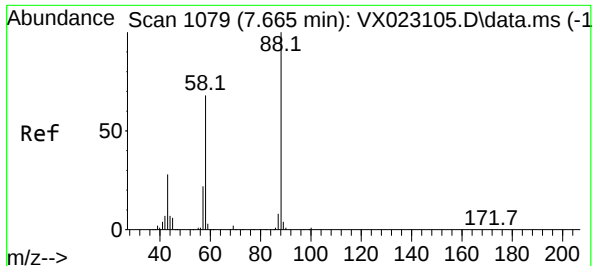
Tgt Ion: 75 Resp: 21198
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 7.029 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 117 Resp: 28601
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

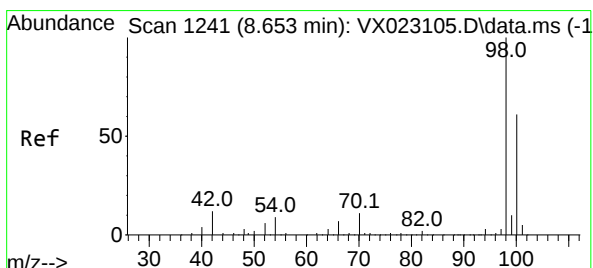
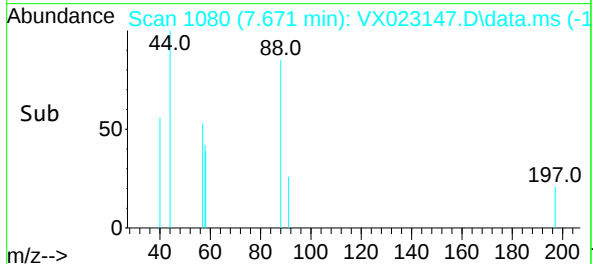
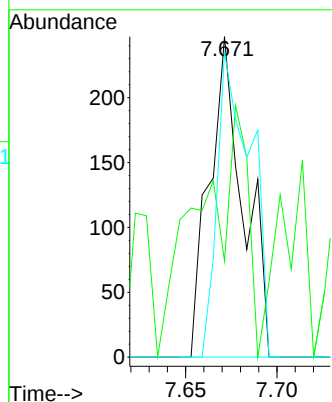
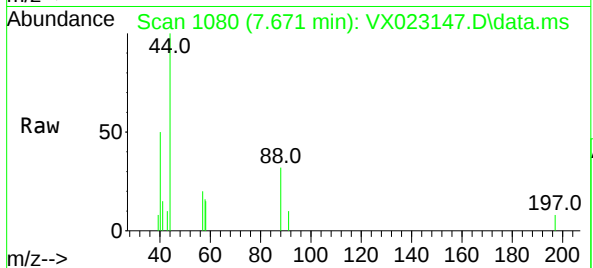




#49
1,4-Dioxane
Concen: 4.109 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

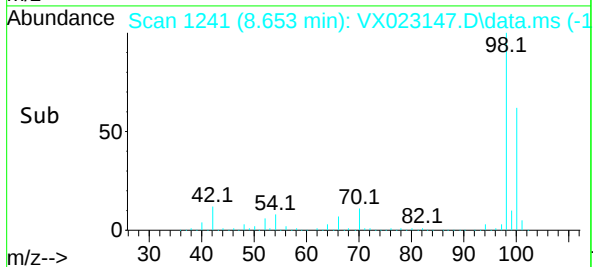
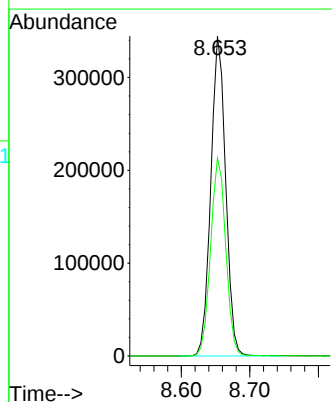
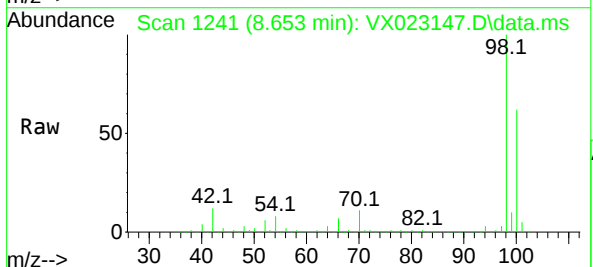
Instrument :
MSVOA_X
ClientSampled :

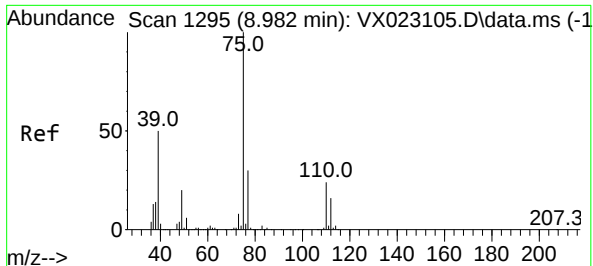
Tgt Ion: 88 Resp: 321
Ion Ratio Lower Upper
88 100
43 107.8 23.2 34.8#
58 93.8 55.0 82.4#



#50
Toluene-d8
Concen: 49.205 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 98 Resp: 518279
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

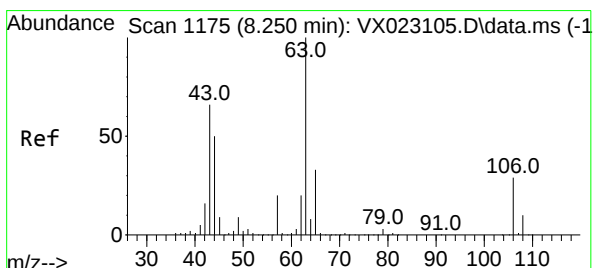
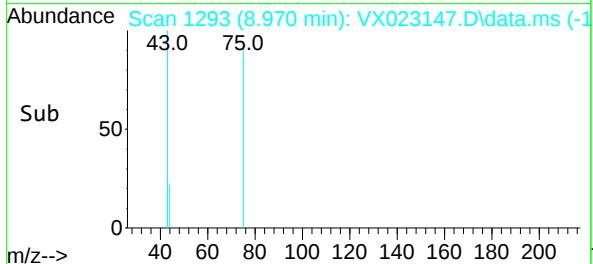
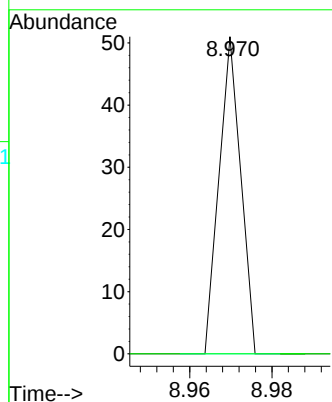
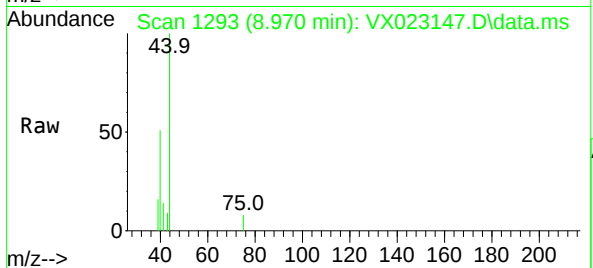




#53
t-1,3-Dichloropropene
Concen: 2.740 ug/l
RT: 8.970 min Scan# 1293
Delta R.T. -0.012 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

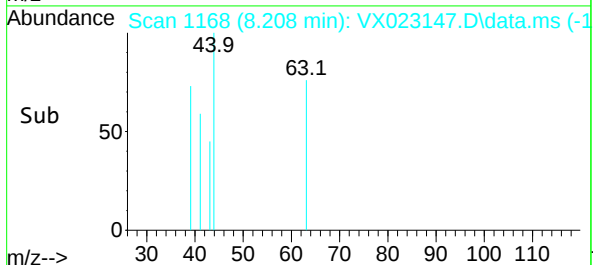
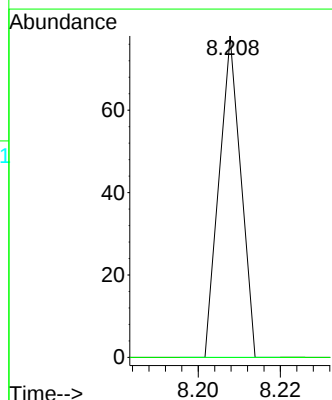
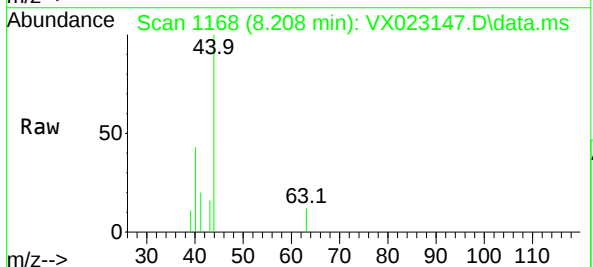
Instrument :
MSVOA_X
ClientSampled :

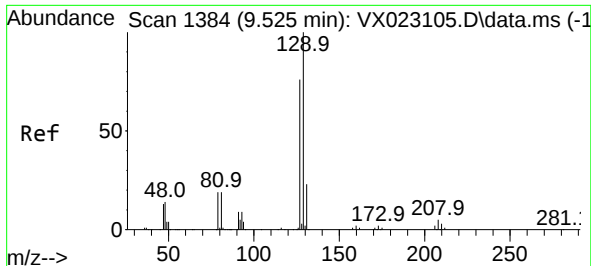
Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#58
2-Chloroethyl Vinyl ether
Concen: 4.701 ug/l
RT: 8.208 min Scan# 1168
Delta R.T. -0.042 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 63 Resp: 29
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

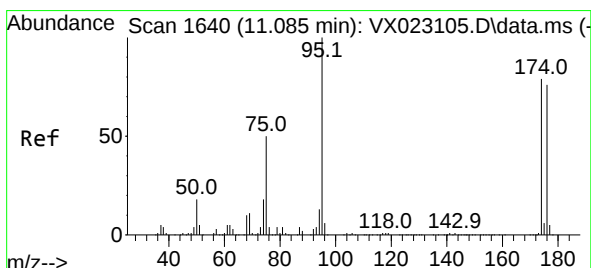
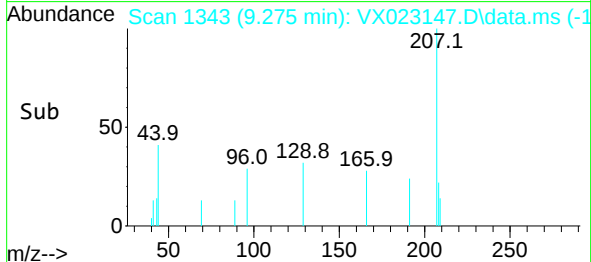
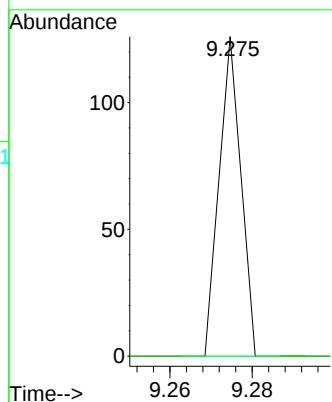
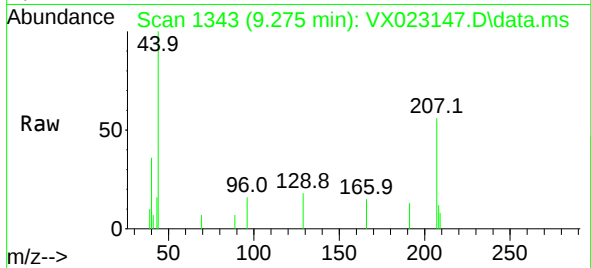




#60
Dibromochloromethane
Concen: 3.125 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

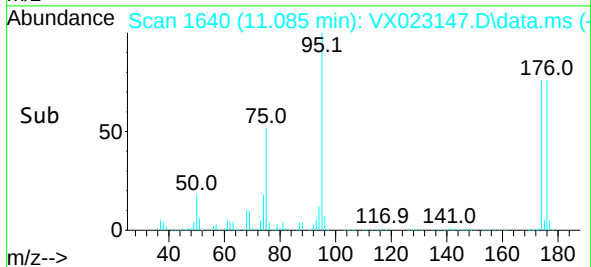
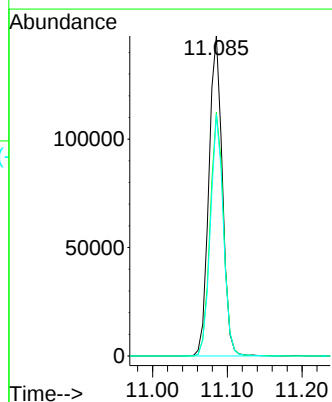
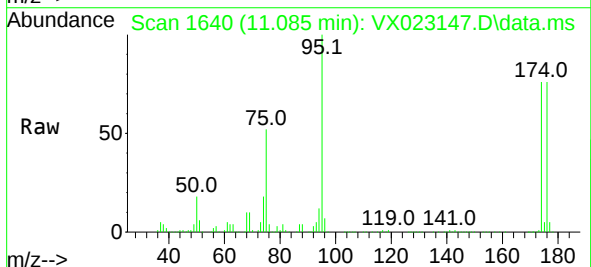
Instrument :
MSVOA_X
ClientSampleId :

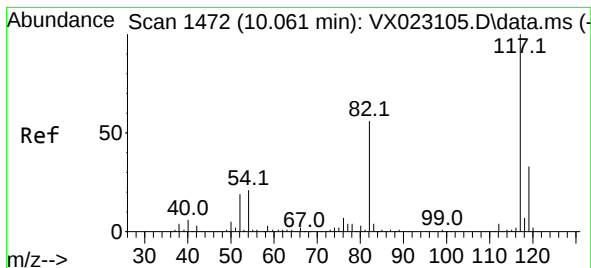
Tgt Ion:129 Resp: 46
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.477 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 95 Resp: 184927
Ion Ratio Lower Upper
95 100
174 75.2 0.0 154.6
176 72.3 0.0 155.8

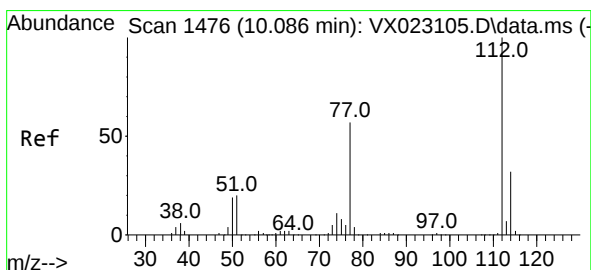
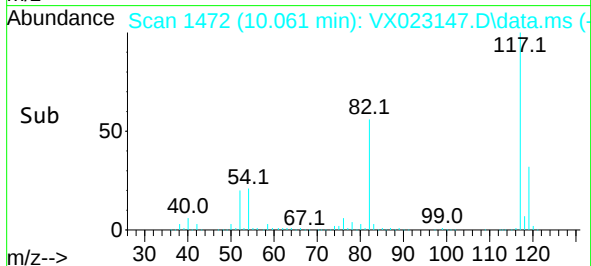
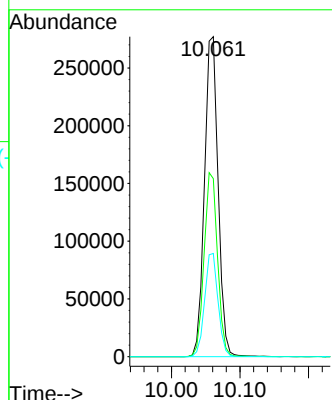
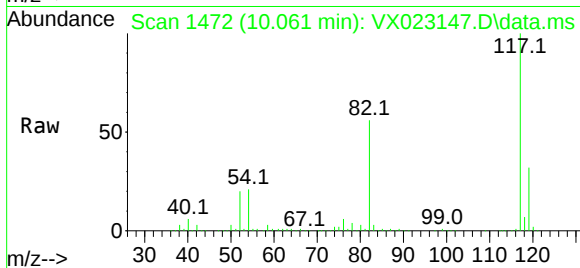




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

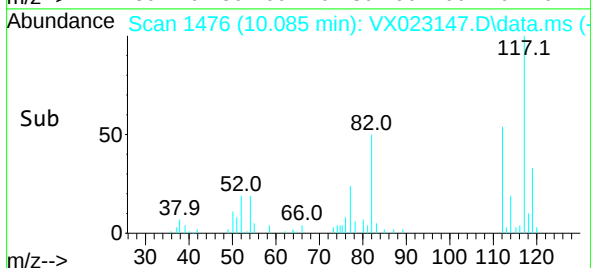
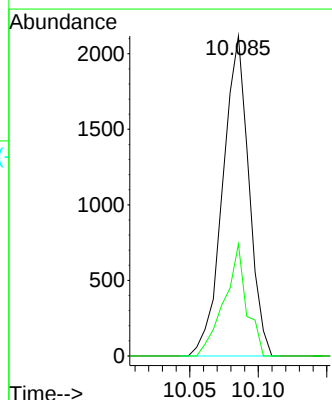
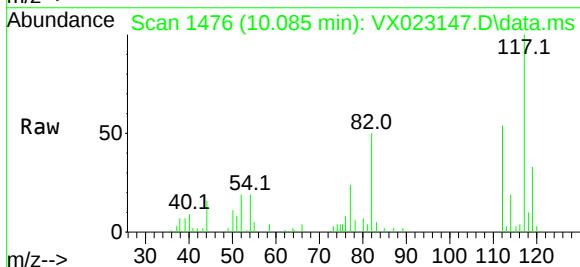
Instrument :
MSVOA_X
ClientSampled :

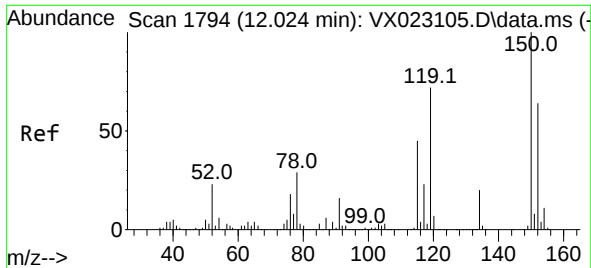
Tgt Ion:117 Resp: 384748
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 32.3 26.6 39.8



#65
Chlorobenzene
Concen: 0.367 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion:112 Resp: 2795
Ion Ratio Lower Upper
112 100
114 35.0 25.8 38.6

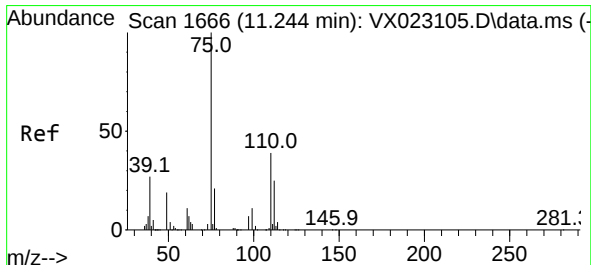
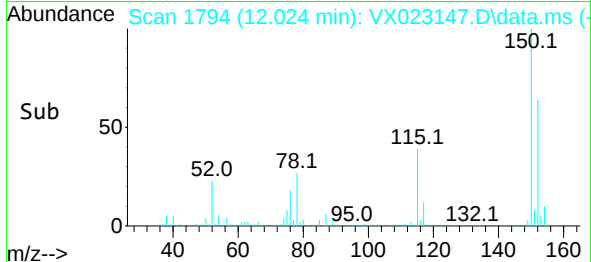
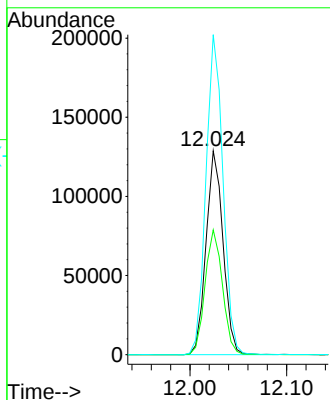
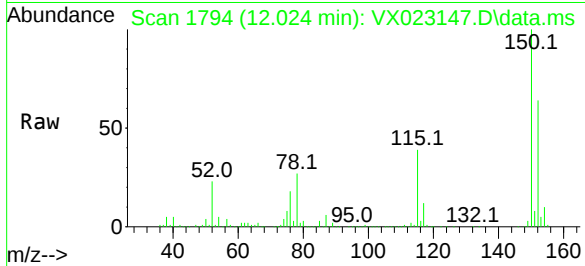




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023147.D
 Acq: 06 Jul 2021 15:42

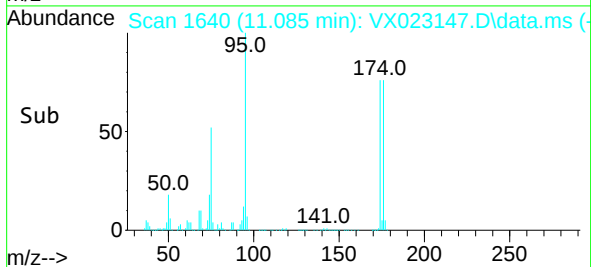
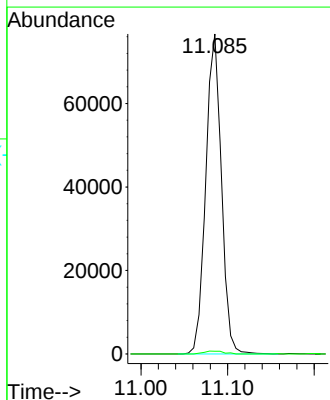
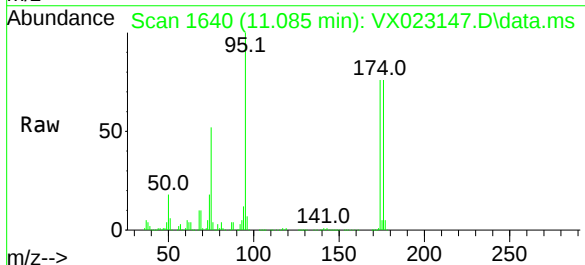
Instrument :
 MSVOA_X
 ClientSampled :

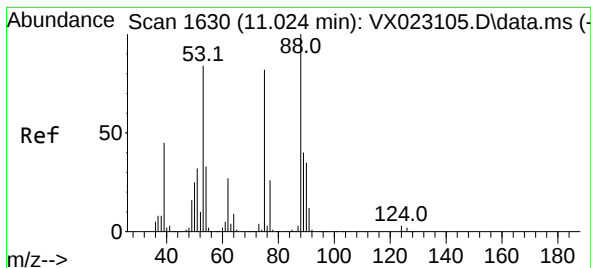
Tgt Ion:152 Resp: 157199
 Ion Ratio Lower Upper
 152 100
 115 62.7 41.1 123.3
 150 157.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 30.307 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023147.D
 Acq: 06 Jul 2021 15:42

Tgt Ion: 75 Resp: 95872
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

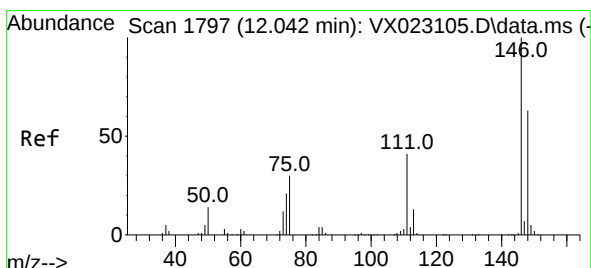
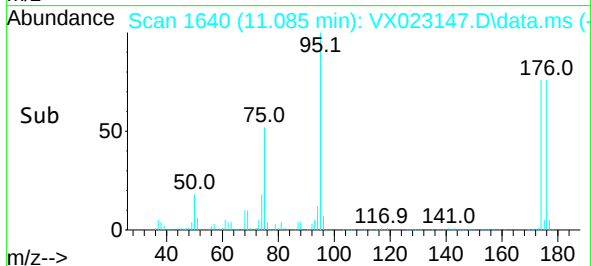
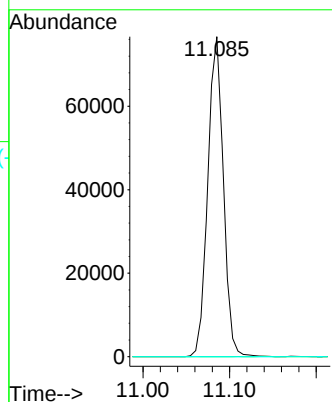
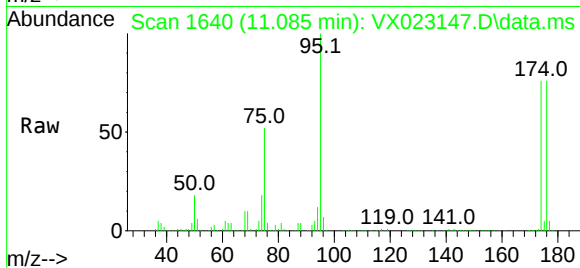




#81
trans-1,4-Dichloro-2-butene
Concen: 81.326 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

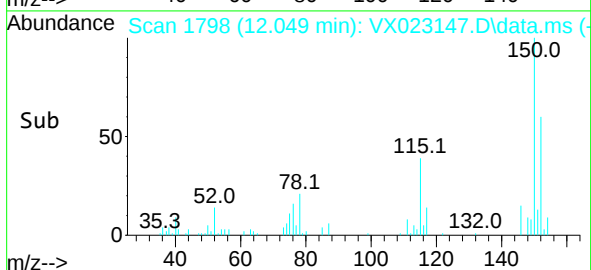
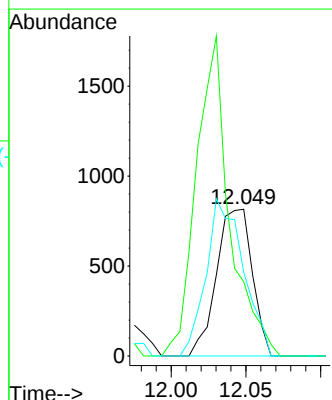
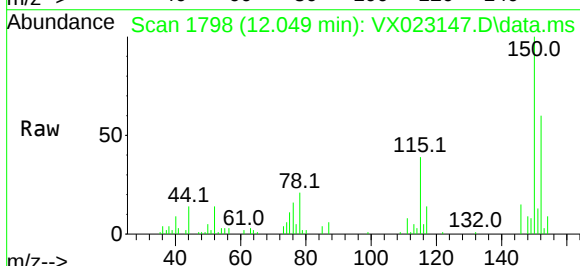
Instrument :
MSVOA_X
ClientSampled :

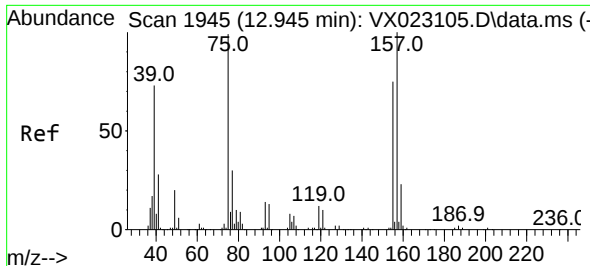
Tgt Ion: 75 Resp: 95872
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: 0.260 ug/l
RT: 12.049 min Scan# 1798
Delta R.T. 0.007 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

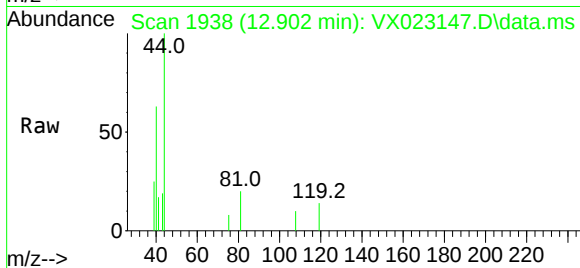
Tgt Ion: 146 Resp: 1359
Ion Ratio Lower Upper
146 100
111 202.3 19.6 58.8#
148 111.5 31.6 95.0#



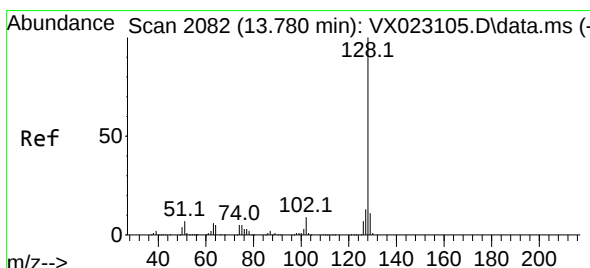
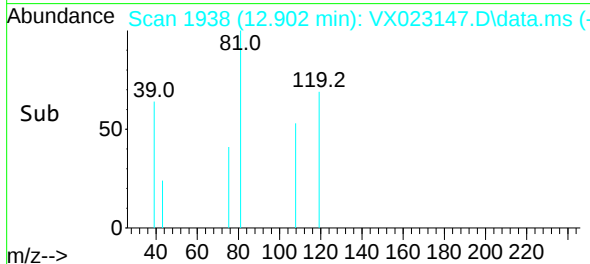
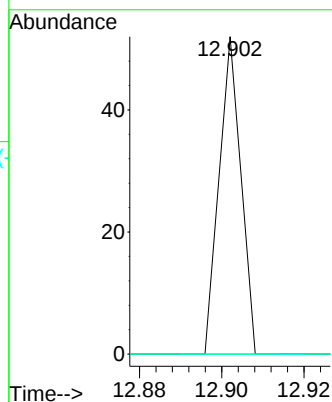


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.591 ug/l
RT: 12.902 min Scan# 1938
Delta R.T. -0.043 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#



#95
Naphthalene
Concen: 1.304 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023147.D
Acq: 06 Jul 2021 15:42

Tgt Ion: 128 Resp: 345
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

