

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033807.D
 Acq On : 19 Jan 2023 17:30
 Operator : JC/MD
 Sample : 01214-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

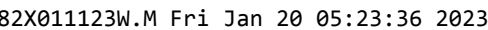
Quant Time: Jan 20 05:23:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

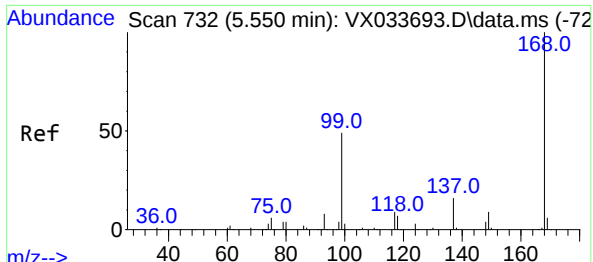
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	176296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	257495	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84507	45.526	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.060%		
35) Dibromofluoromethane	5.385	113	78021	48.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.600%		
50) Toluene-d8	8.647	98	291168	49.980	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.960%		
62) 4-Bromofluorobenzene	11.079	95	103243	47.732	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.460%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.946	59	1601	4.965	ug/l #	86
13) Acrolein	2.233	56	312	1.049	ug/l #	1
16) Acetone	2.392	43	28664	31.672	ug/l	100
17) Carbon Disulfide	2.514	76	163	1.866	ug/l #	76
18) Methyl Acetate	2.709	43	2849	1.100	ug/l #	87
20) Methylene Chloride	2.794	84	5468	0.929	ug/l	89
25) 2-Butanone	4.574	43	6579	5.424	ug/l	90
31) Cyclohexane	5.550	56	2672	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10437	4.473	ug/l #	48
37) Ethyl Acetate	4.721	43	24916	8.837	ug/l	98
38) Carbon Tetrachloride	5.556	117	15105	6.250	ug/l #	14
40) Benzene	6.037	78	2107	0.310	ug/l #	90
43) Isopropyl Acetate	6.336	43	104689	28.418	ug/l	98
48) Methyl methacrylate	7.799	41	87219	47.000	ug/l #	44
49) 1,4-Dioxane	7.805	88	141	3.435	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	78677	34.775	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	691	0.301	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37575	14.620	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	4815	1.708	ug/l #	43
59) 2-Hexanone	9.482	43	63766	40.494	ug/l #	51
73) Isopropylbenzene	11.079	105	82	Below Cal	#	48
74) N-amyl acetate	10.640	43	23437	8.144	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	47232	23.456	ug/l #	34
79) 2-Chlorotoluene	11.311	91	19	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47232	72.898	ug/l #	8
82) 4-Chlorotoluene	11.311	91	19	Below Cal	#	43

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

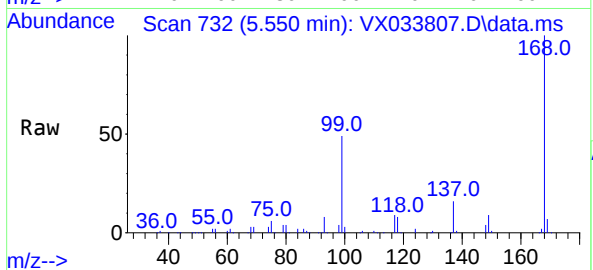
Quant Time: Jan 20 05:23:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



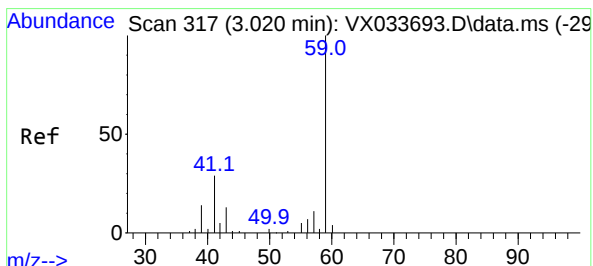
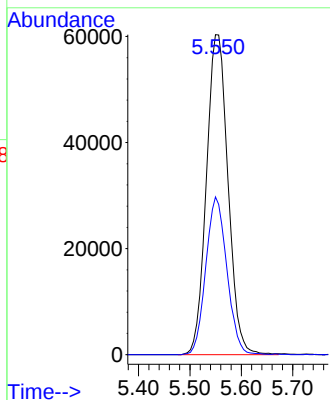
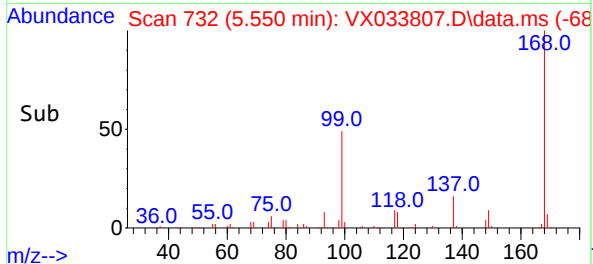


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :

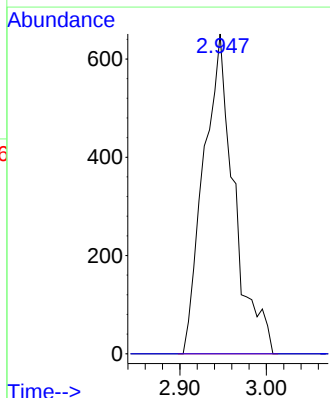
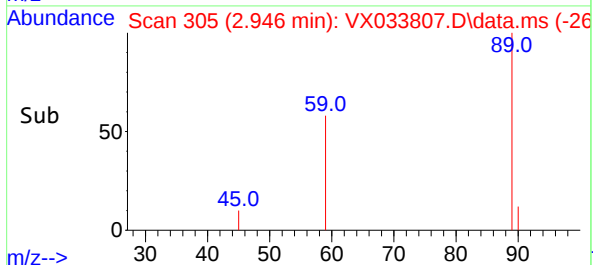
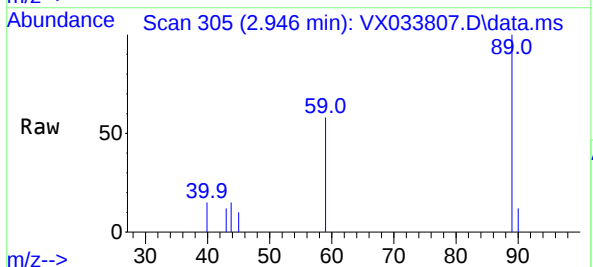


Tgt Ion:168 Resp: 176296
Ion Ratio Lower Upper
168 100
99 49.3 39.6 59.4

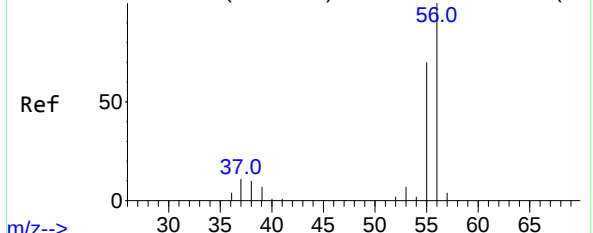


#11
Tert butyl alcohol
Concen: 4.965 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

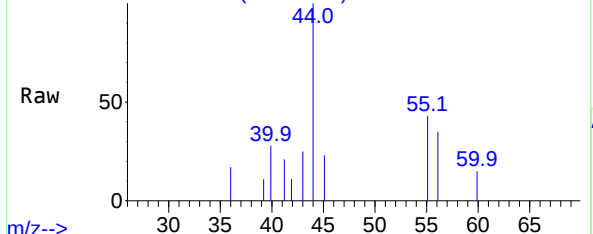
Tgt Ion: 59 Resp: 1601
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#



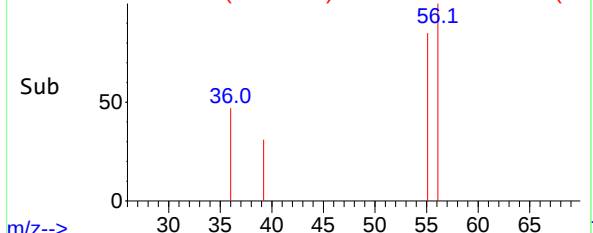
Abundance Scan 189 (2.240 min): VX033693.D\data.ms (-18



m/z--> Scan 188 (2.233 min): VX033807.D\data.ms

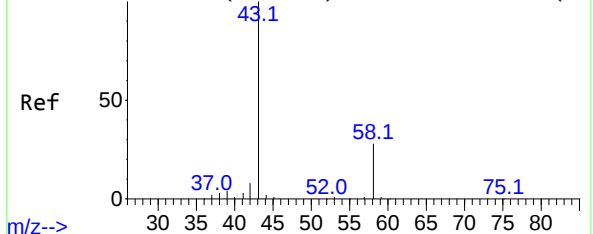


Abundance Scan 188 (2.233 min): VX033807.D\data.ms (-14

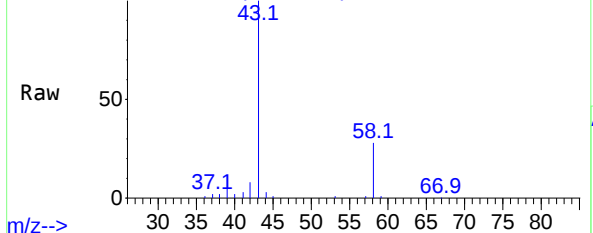


m/z-->

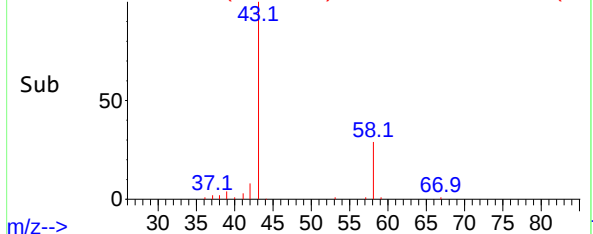
Abundance Scan 215 (2.398 min): VX033693.D\data.ms (-20



m/z--> Scan 214 (2.392 min): VX033807.D\data.ms



Abundance Scan 214 (2.392 min): VX033807.D\data.ms (-16



m/z-->

#13

Acrolein

Concen: 1.049 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033807.D

Acq: 19 Jan 2023 17:30

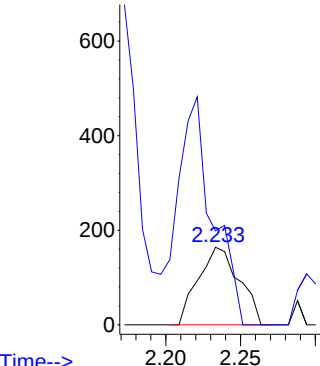
Tgt Ion: 56 Resp: 312

Ion Ratio Lower Upper

56 100

55 248.1 56.3 84.5#

Abundance



Time-->

#16

Acetone

Concen: 31.672 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033807.D

Acq: 19 Jan 2023 17:30

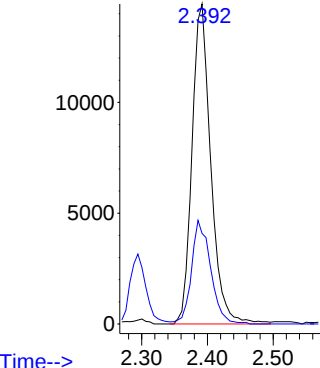
Tgt Ion: 43 Resp: 28664

Ion Ratio Lower Upper

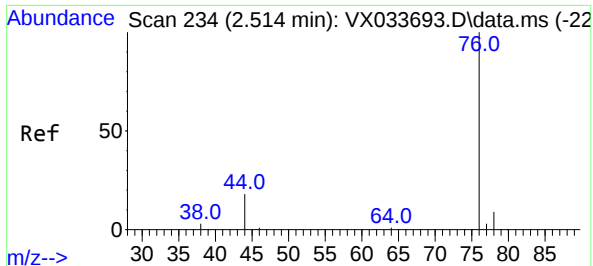
43 100

58 28.3 22.6 33.8

Abundance

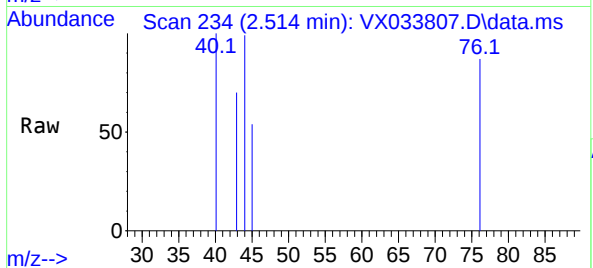


Time-->

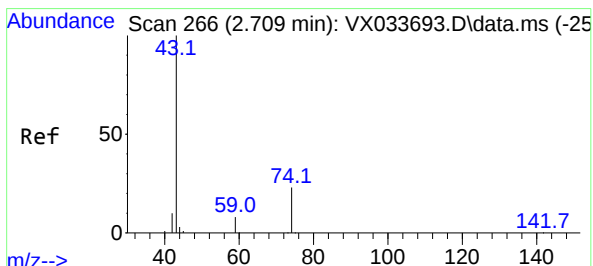
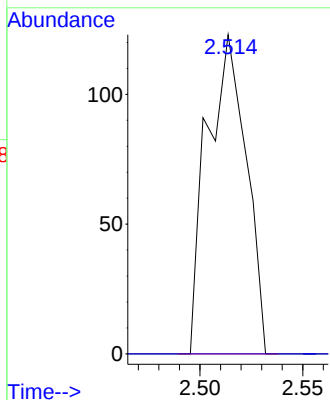
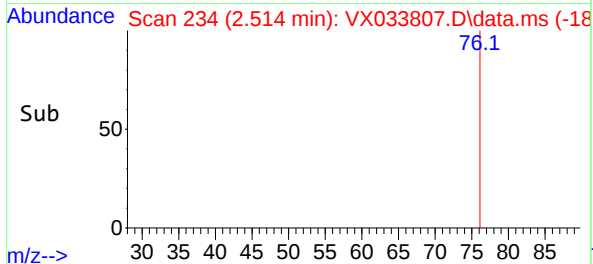


#17
Carbon Disulfide
Concen: 1.866 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :

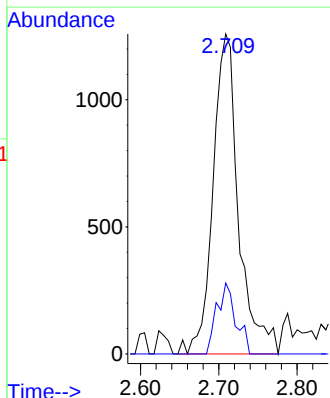
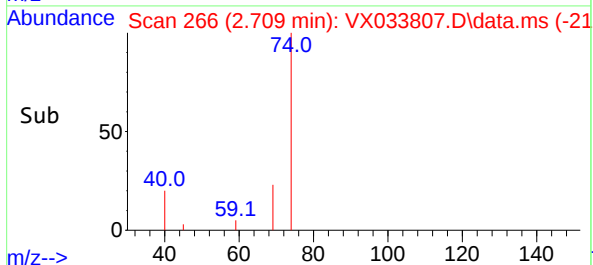
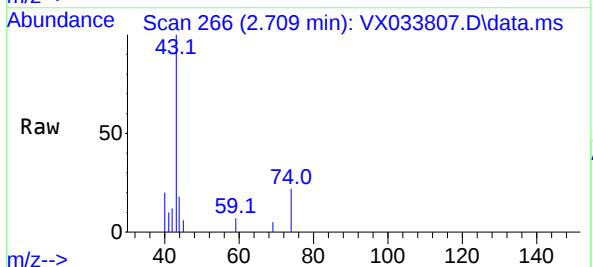


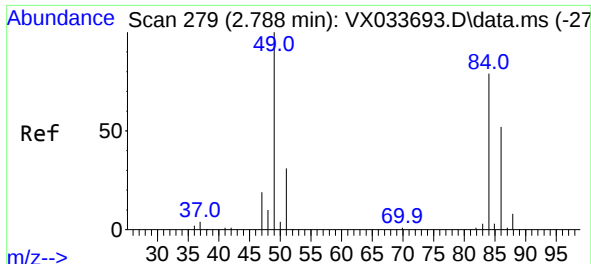
Tgt Ion: 76 Resp: 163
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.100 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

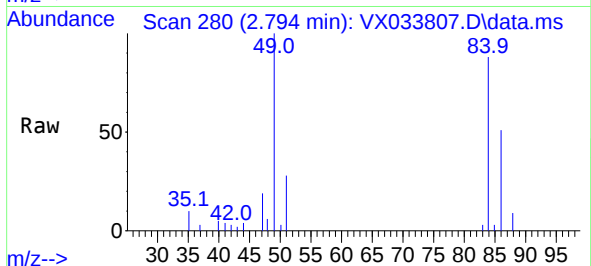
Tgt Ion: 43 Resp: 2849
Ion Ratio Lower Upper
43 100
74 16.5 18.2 27.4#





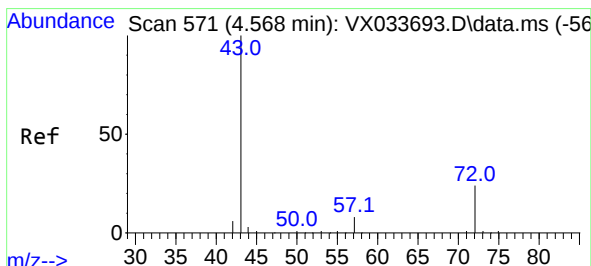
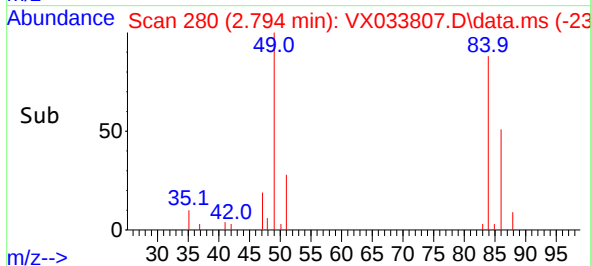
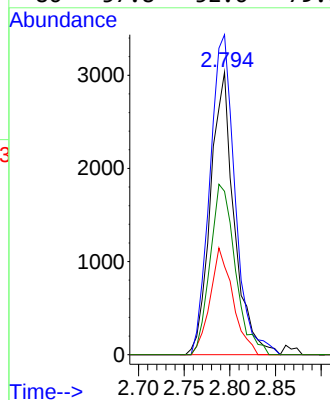
#20
Methylene Chloride
Concen: 0.929 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 5468

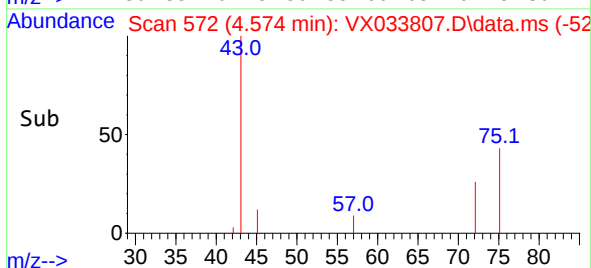
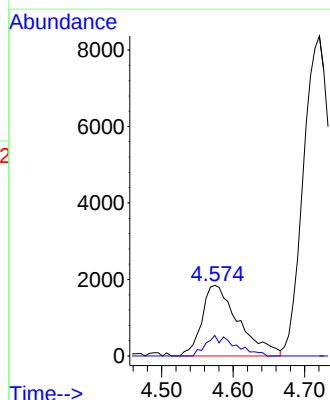
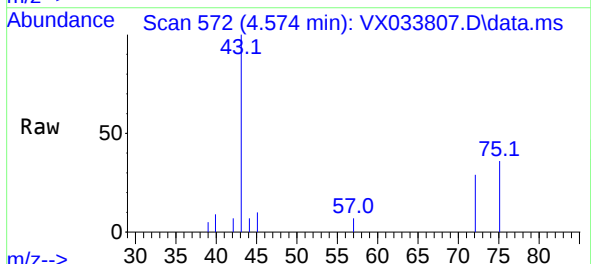
Ion	Ratio	Lower	Upper
84	100		
49	113.3	101.1	151.7
51	31.3	31.0	46.6
86	57.8	52.6	79.0

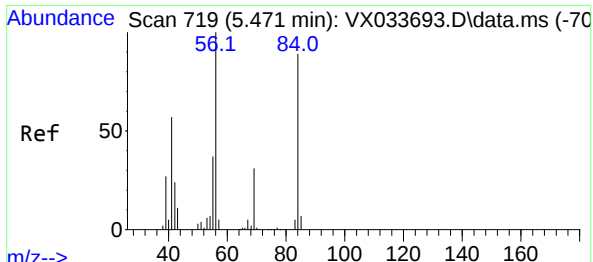


#25
2-Butanone
Concen: 5.424 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Tgt Ion: 43 Resp: 6579

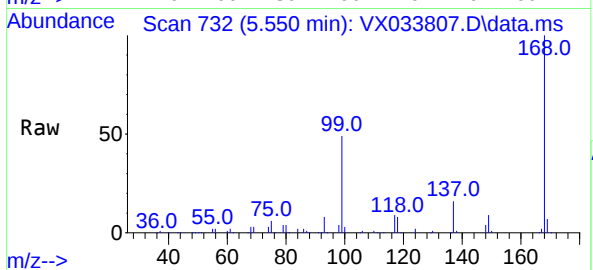
Ion	Ratio	Lower	Upper
43	100		
72	29.1	19.4	29.2



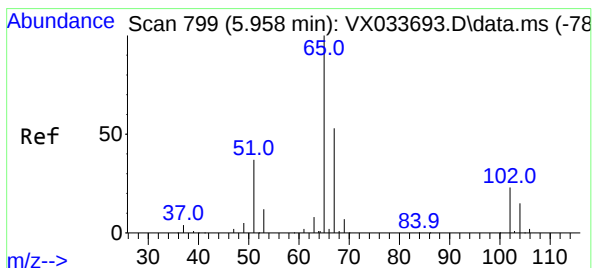
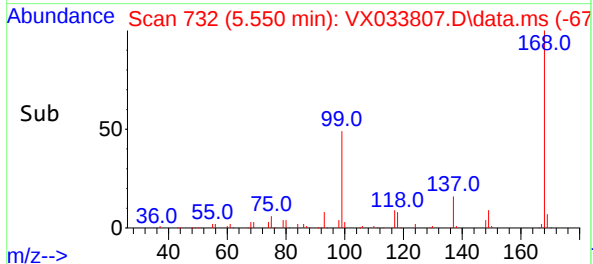
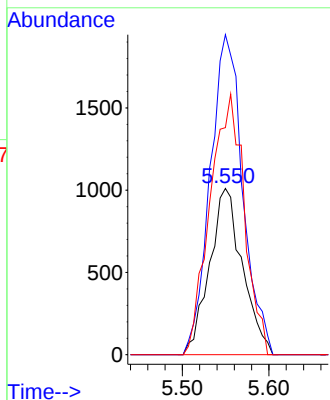


#31
Cyclohexane
Concen: 0.978 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :

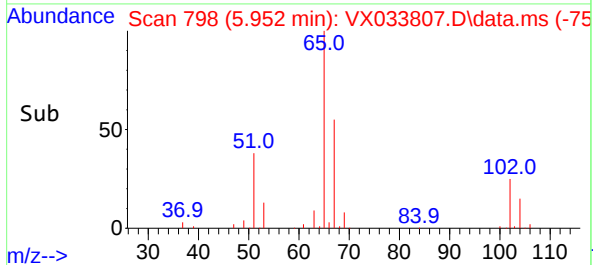
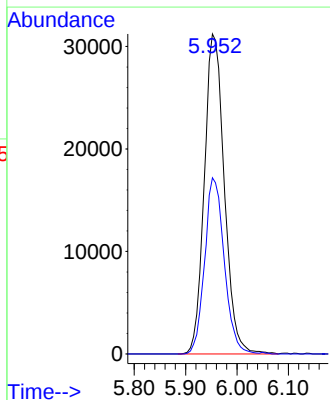
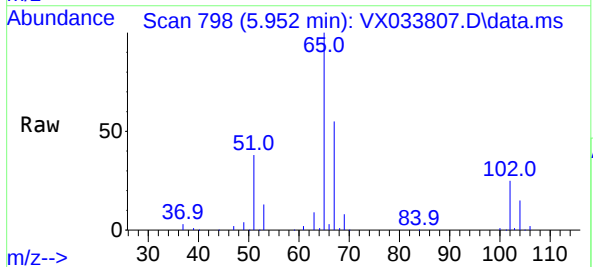


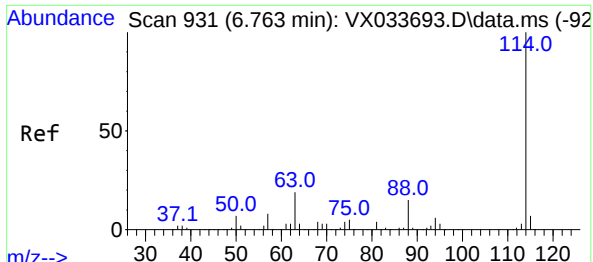
Tgt Ion: 56 Resp: 2672
Ion Ratio Lower Upper
56 100
69 192.4 24.6 37.0#
84 136.5 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.526 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Tgt Ion: 65 Resp: 84507
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.8

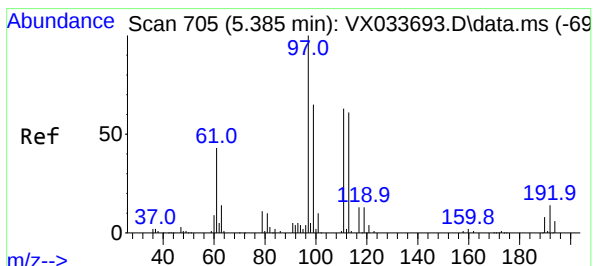
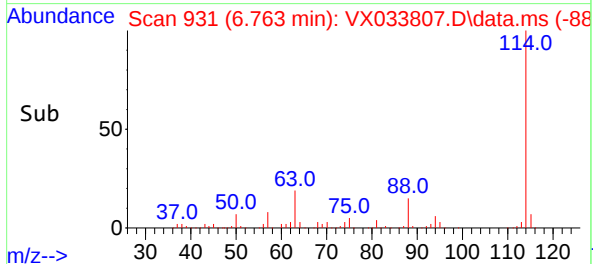
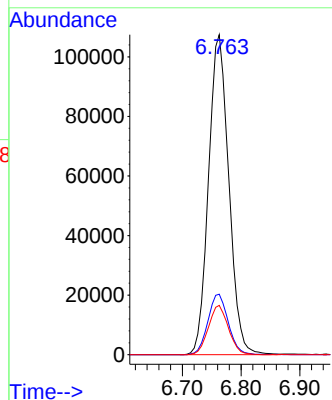
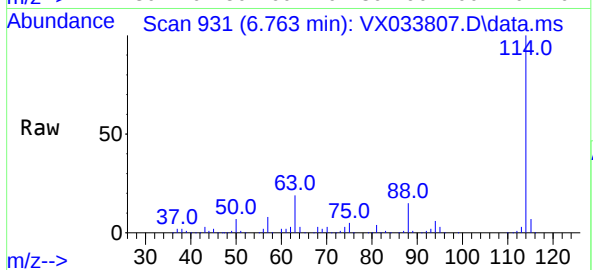




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

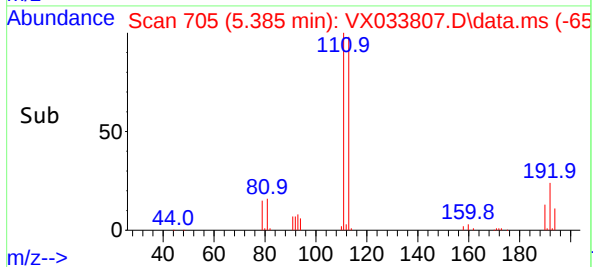
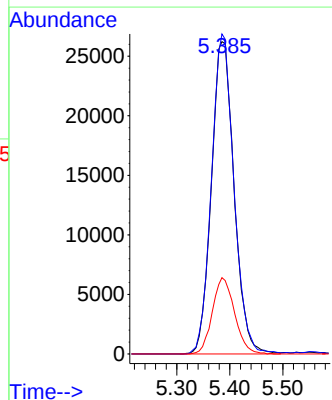
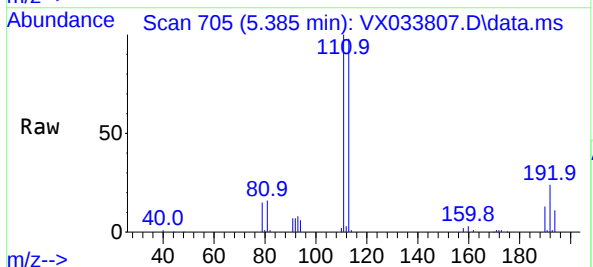
Instrument :
MSVOA_X
ClientSampleId :

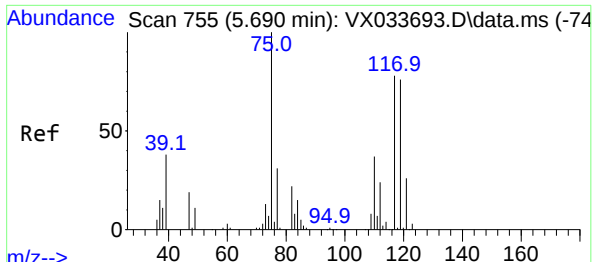
Tgt Ion:114 Resp: 257495
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.797 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

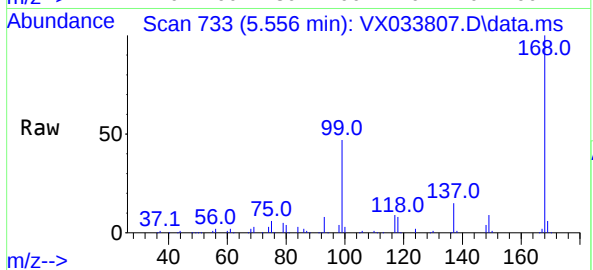
Tgt Ion:113 Resp: 78021
Ion Ratio Lower Upper
113 100
111 101.2 83.0 124.6
192 23.9 19.0 28.4



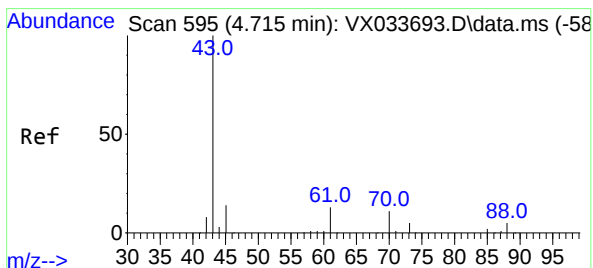
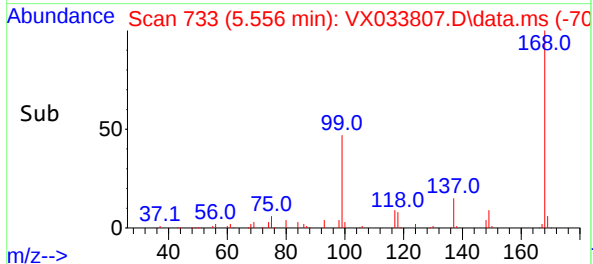
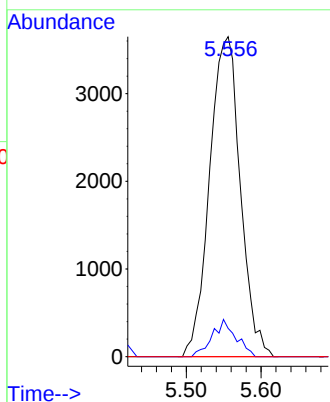


#36
1,1-Dichloropropene
Concen: 4.473 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :

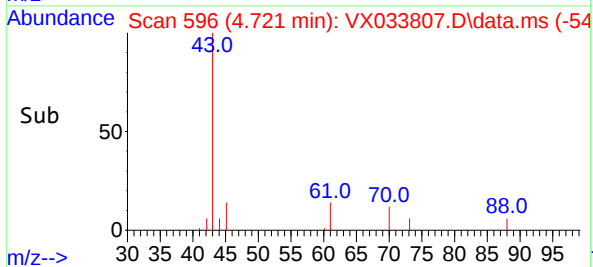
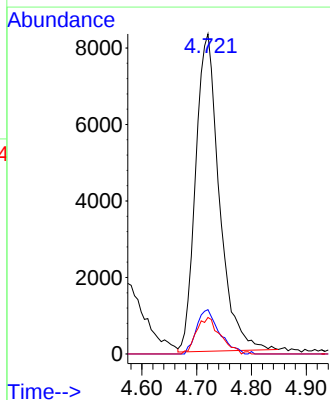
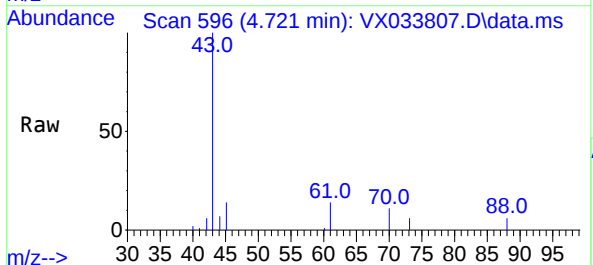


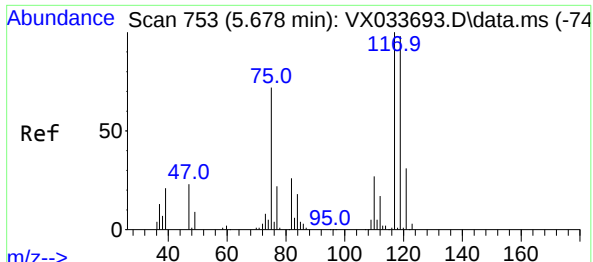
Tgt Ion: 75 Resp: 10437
Ion Ratio Lower Upper
75 100
110 8.9 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.837 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

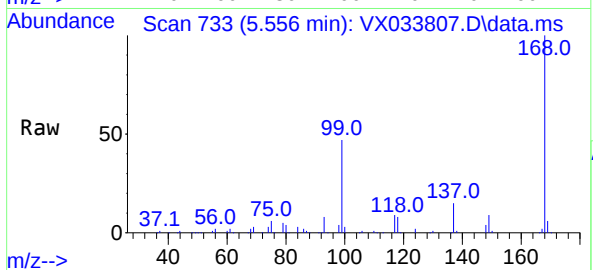
Tgt Ion: 43 Resp: 24916
Ion Ratio Lower Upper
43 100
61 13.4 11.1 16.7
70 11.7 8.5 12.7



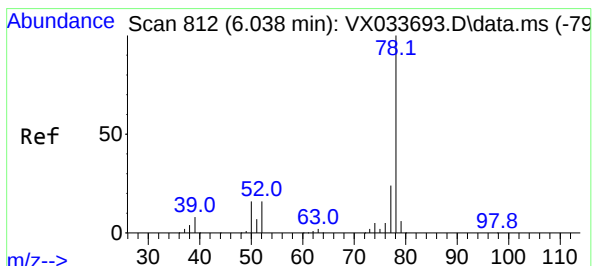
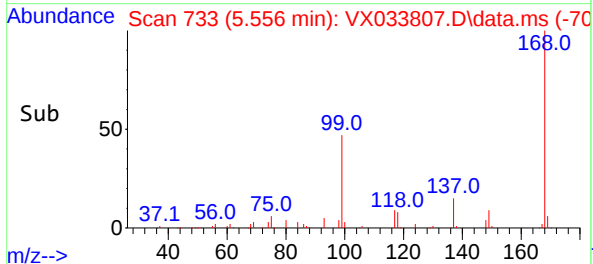
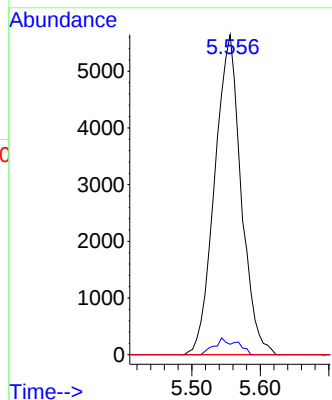


#38
Carbon Tetrachloride
Concen: 6.250 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :

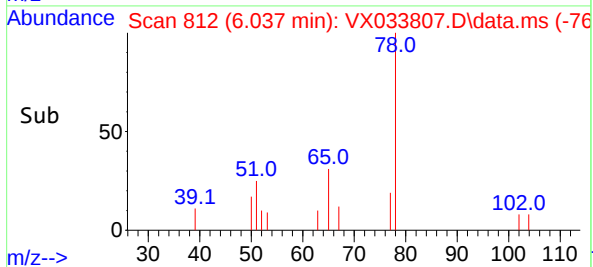
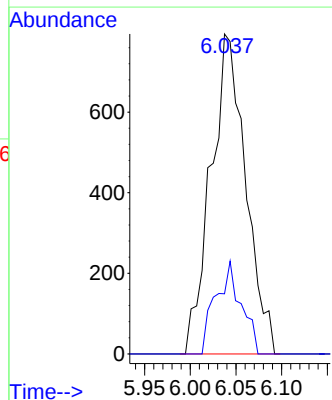
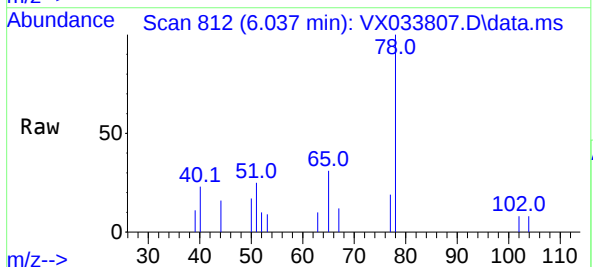


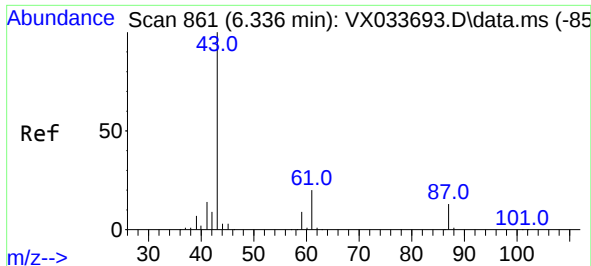
Tgt Ion:117 Resp: 15105
Ion Ratio Lower Upper
117 100
119 3.3 78.0 117.0#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.310 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

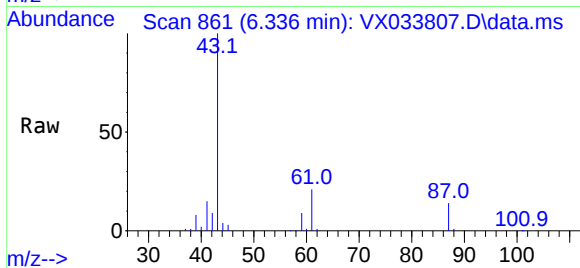
Tgt Ion: 78 Resp: 2107
Ion Ratio Lower Upper
78 100
77 18.8 19.0 28.4#



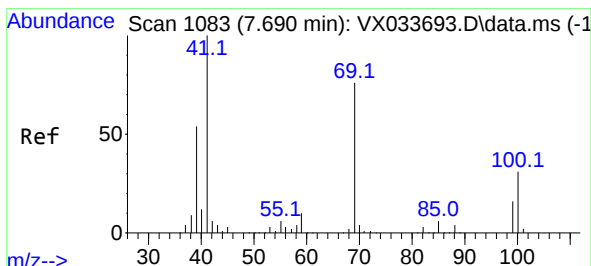
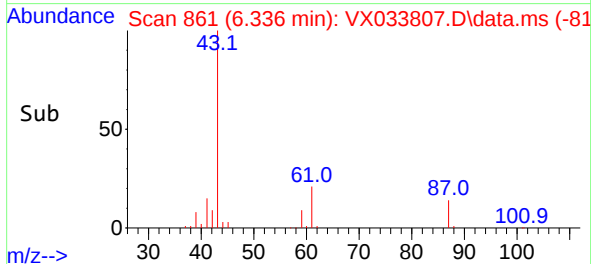
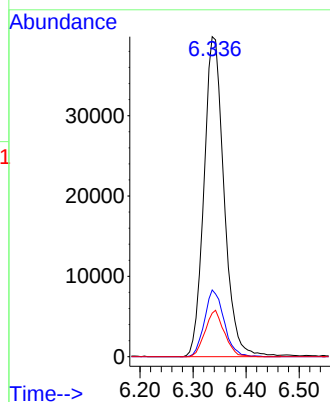


#43
Isopropyl Acetate
Concen: 28.418 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :

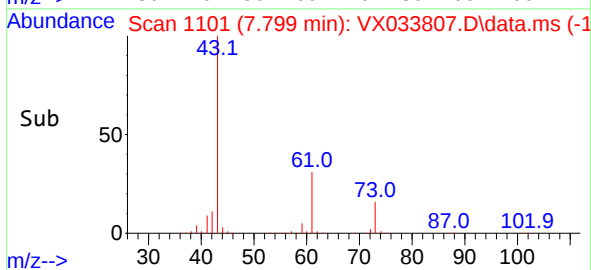
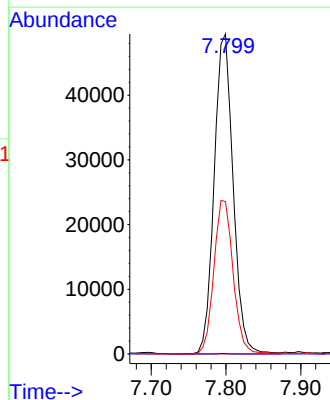
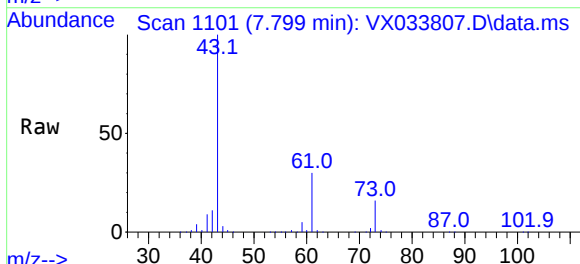


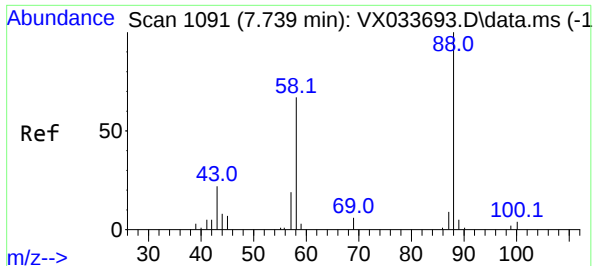
Tgt Ion: 43 Resp: 104689
Ion Ratio Lower Upper
43 100
61 20.4 15.7 23.5
87 13.8 10.6 15.8



#48
Methyl methacrylate
Concen: 47.000 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Tgt Ion: 41 Resp: 87219
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 48.9 43.2 64.8





#49

1,4-Dioxane

Concen: 3.435 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.067 min

Lab File: VX033807.D

Acq: 19 Jan 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

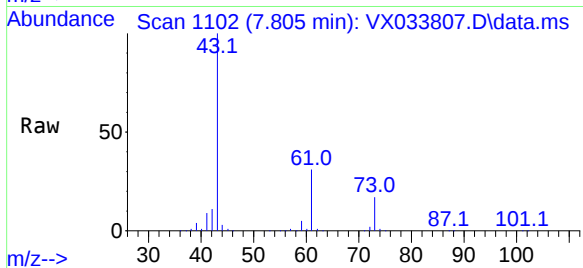
Tgt Ion: 88 Resp: 141

Ion Ratio Lower Upper

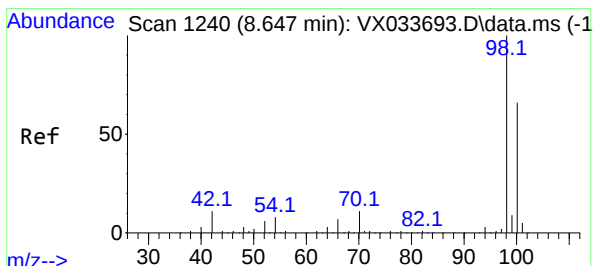
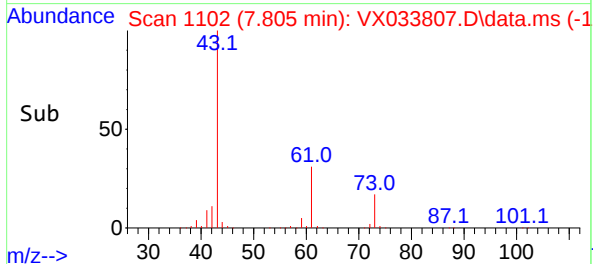
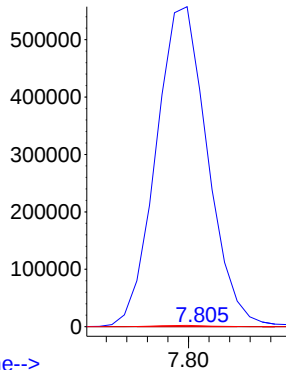
88 100

43 694585.1 0.0 0.0#

58 2758.9 56.5 84.7#



Abundance



#50

Toluene-d8

Concen: 49.980 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033807.D

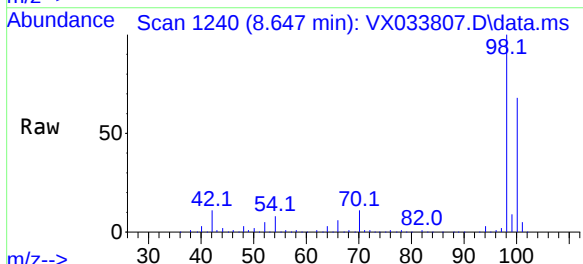
Acq: 19 Jan 2023 17:30

Tgt Ion: 98 Resp: 291168

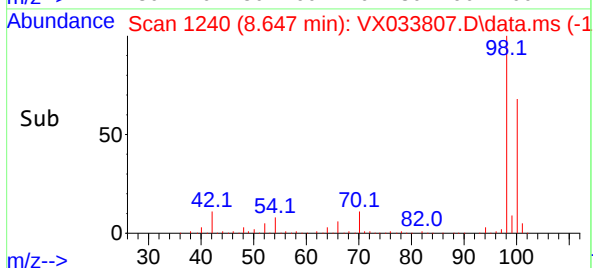
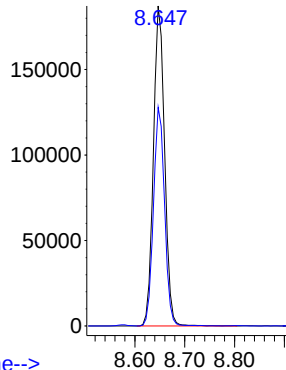
Ion Ratio Lower Upper

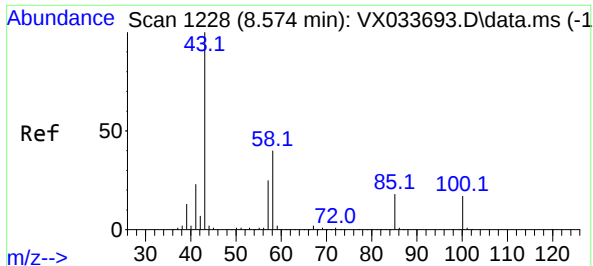
98 100

100 68.0 53.6 80.4



Abundance





#51

4-Methyl-2-Pentanone

Concen: 34.775 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX033807.D

Acq: 19 Jan 2023 17:30

Instrument :

MSVOA_X

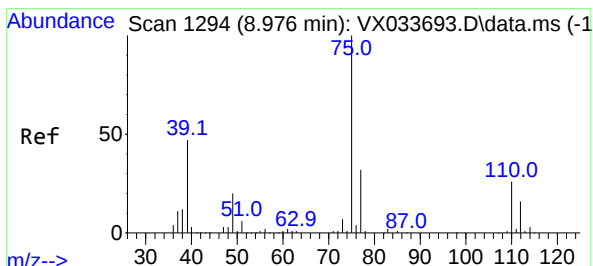
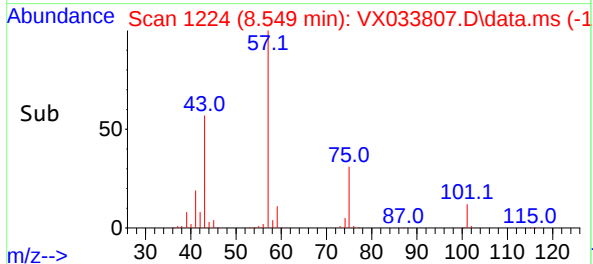
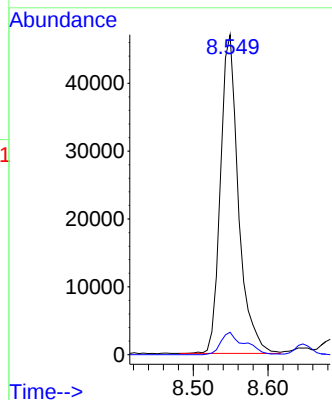
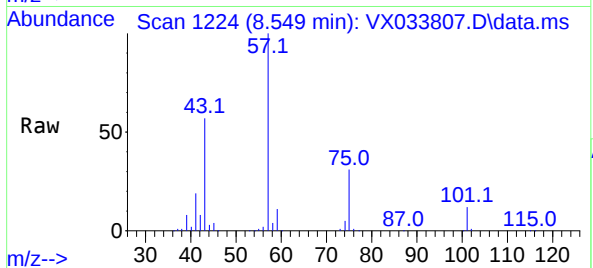
ClientSampleId :

Tgt Ion: 43 Resp: 78677

Ion Ratio Lower Upper

43 100

58 9.2 31.2 46.8#



#53

t-1,3-Dichloropropene

Concen: 0.301 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX033807.D

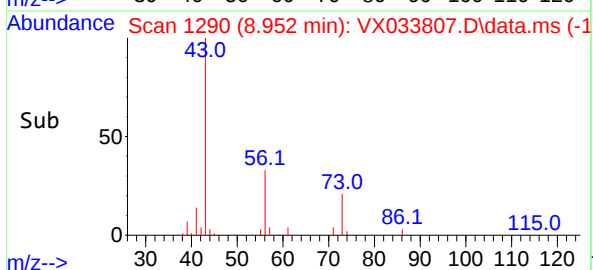
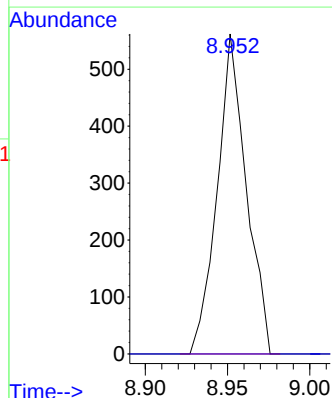
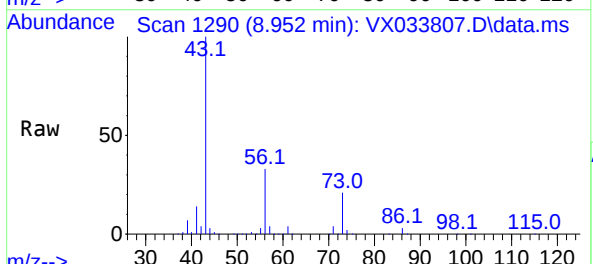
Acq: 19 Jan 2023 17:30

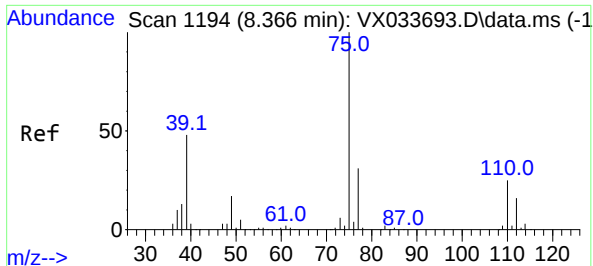
Tgt Ion: 75 Resp: 691

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

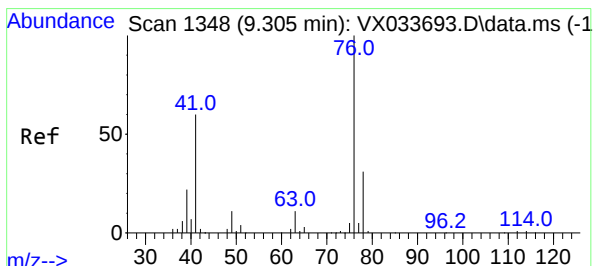
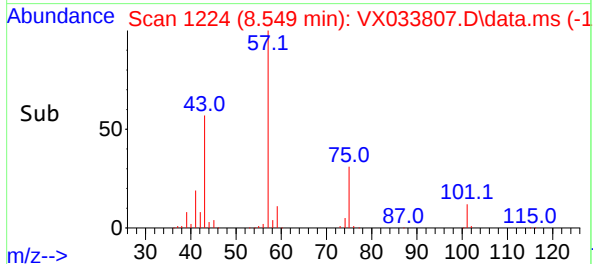
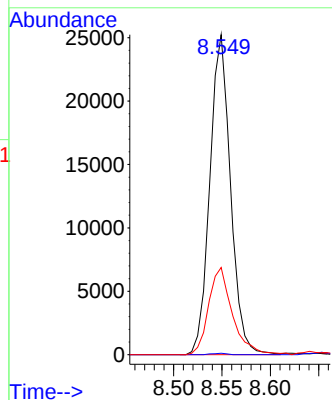
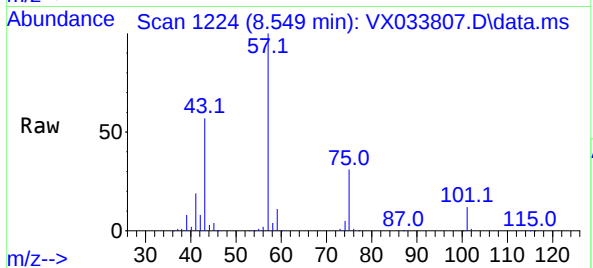




#54
cis-1,3-Dichloropropene
Concen: 14.620 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

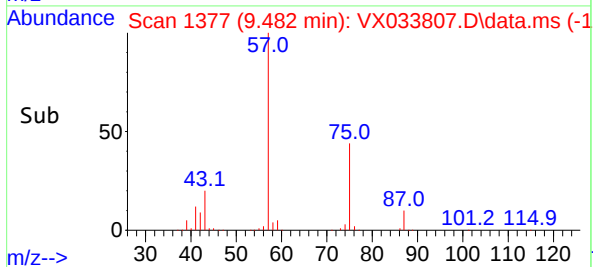
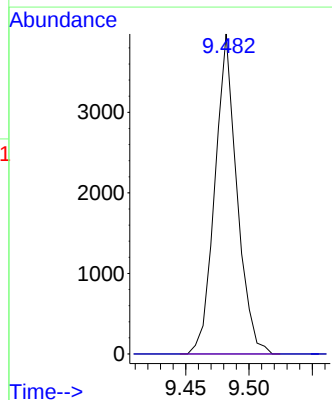
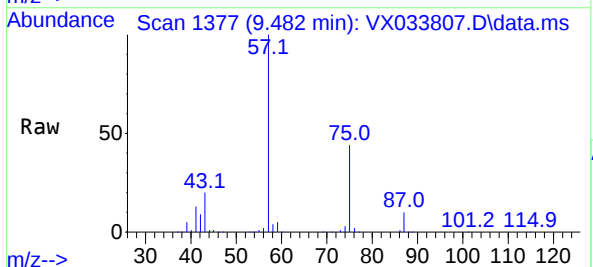
Instrument :
MSVOA_X
ClientSampleId :

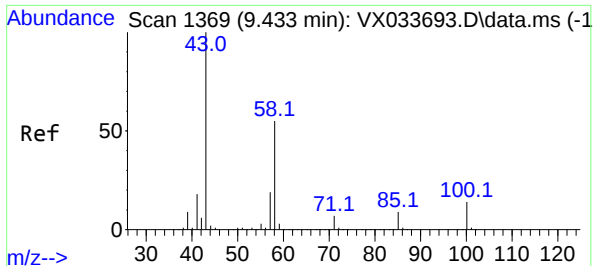
Tgt Ion: 75 Resp: 37575
Ion Ratio Lower Upper
75 100
77 0.4 25.0 37.6#
39 27.3 38.6 58.0#



#57
1,3-Dichloropropane
Concen: 1.708 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Tgt Ion: 76 Resp: 4815
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 40.494 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033807.D

Acq: 19 Jan 2023 17:30

Instrument :

MSVOA_X

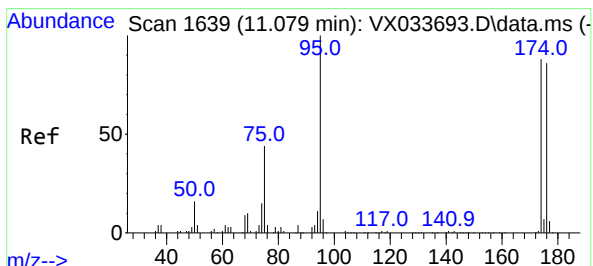
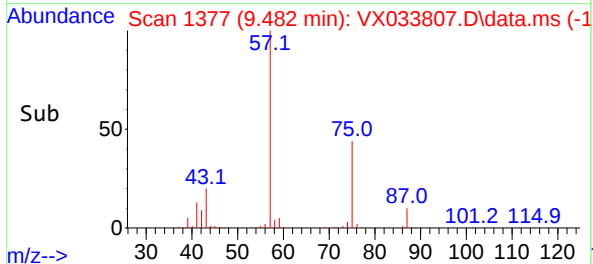
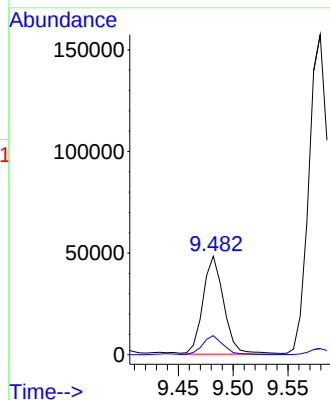
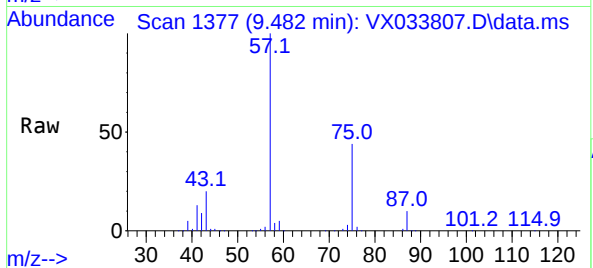
ClientSampleId :

Tgt Ion: 43 Resp: 63766

Ion Ratio Lower Upper

43 100

58 19.6 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 47.732 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033807.D

Acq: 19 Jan 2023 17:30

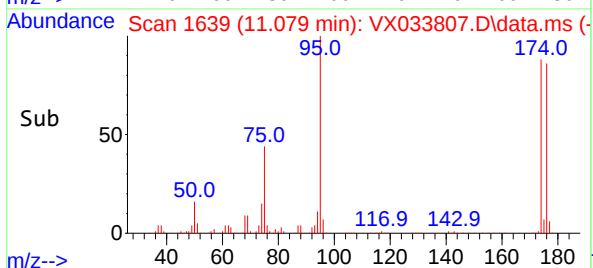
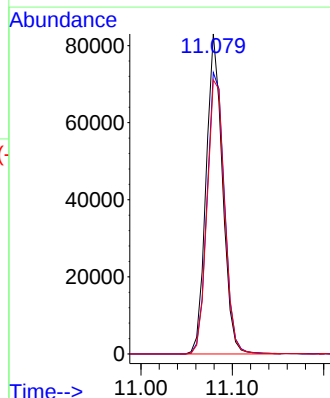
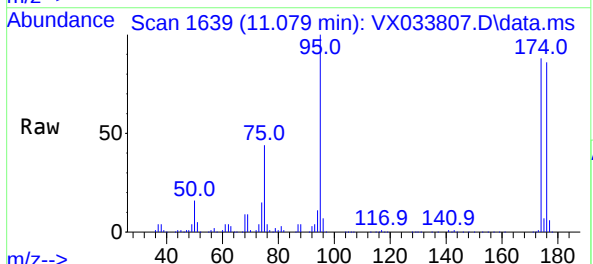
Tgt Ion: 95 Resp: 103243

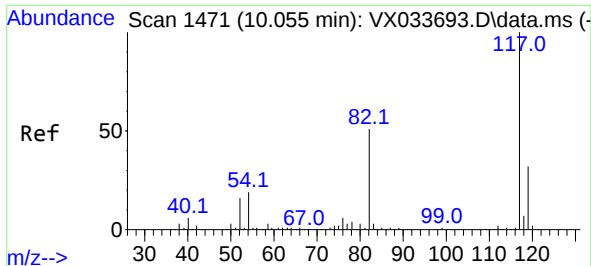
Ion Ratio Lower Upper

95 100

174 93.4 0.0 184.4

176 91.4 0.0 178.8

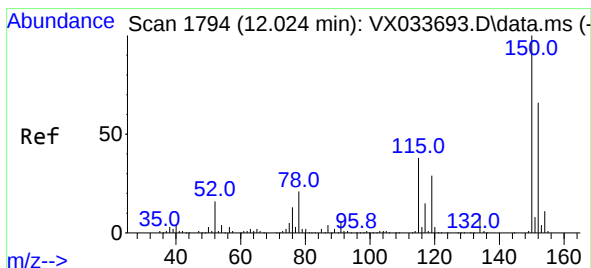
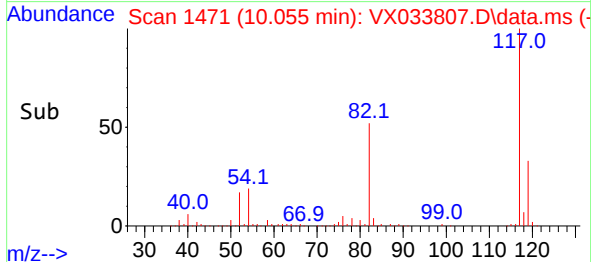
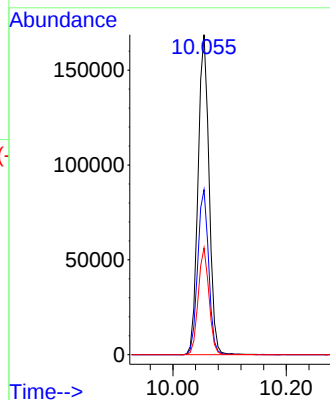
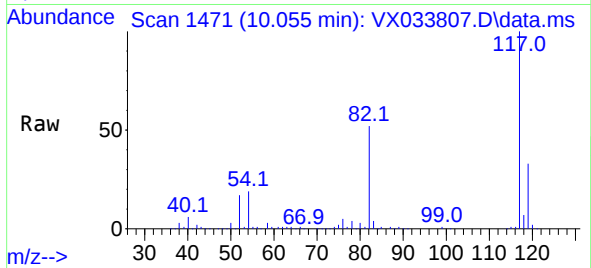




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

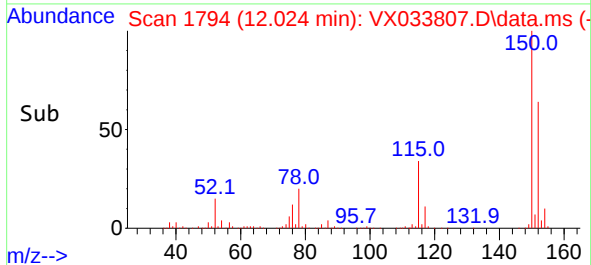
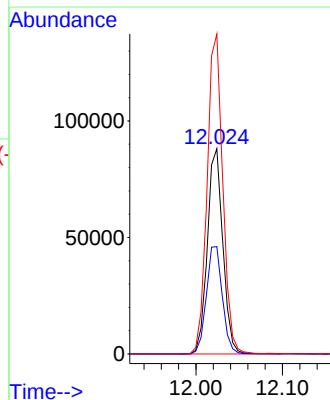
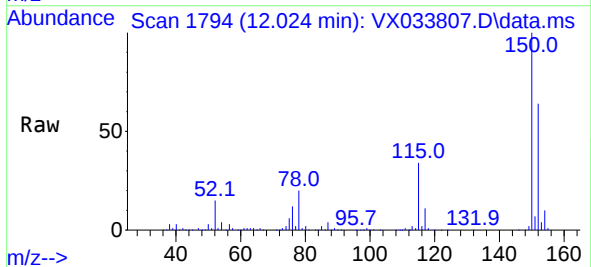
Instrument :
MSVOA_X
ClientSampleId :

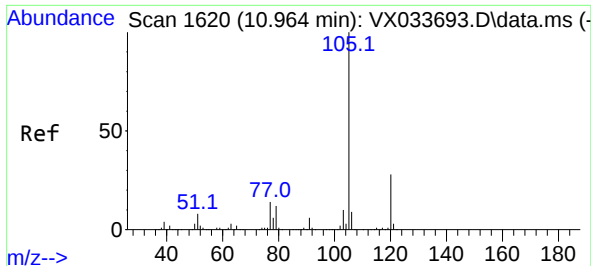
Tgt Ion:117 Resp: 228026
Ion Ratio Lower Upper
117 100
82 51.6 40.6 60.8
119 33.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Tgt Ion:152 Resp: 109596
Ion Ratio Lower Upper
152 100
115 54.1 38.7 116.1
150 157.3 0.0 348.2

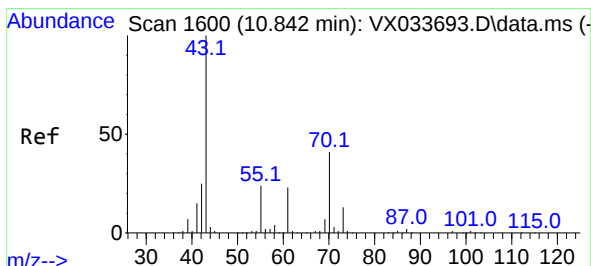
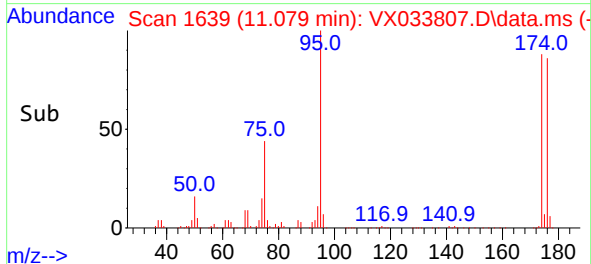
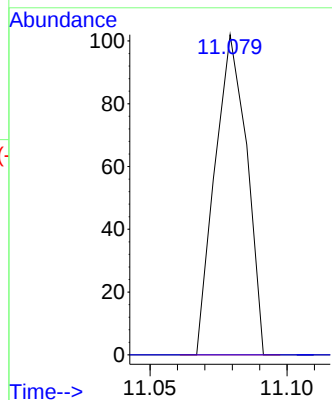
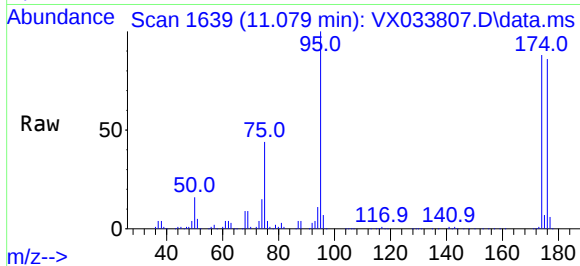




#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 11
Delta R.T. 0.115 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

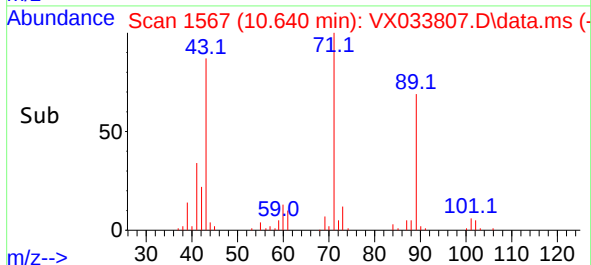
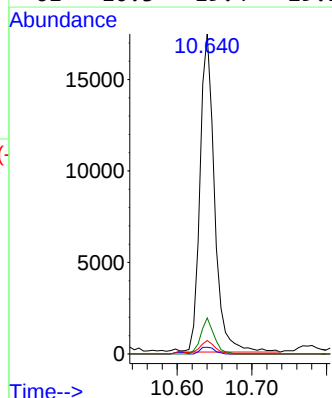
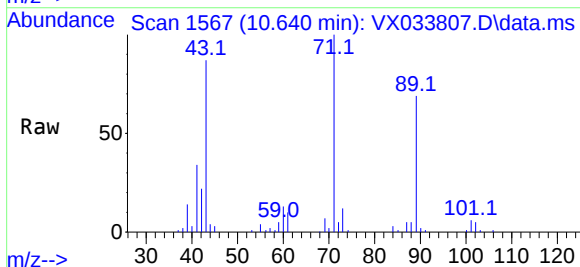
Instrument :
MSVOA_X
ClientSampleId :

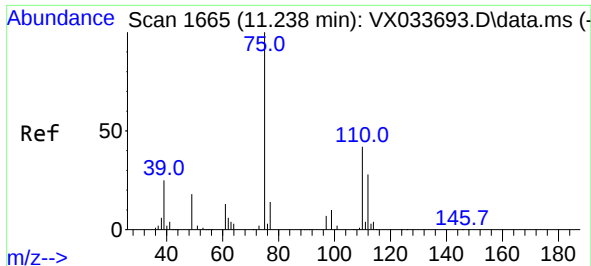
Tgt Ion:105 Resp: 82
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 8.144 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Tgt Ion: 43 Resp: 23437
Ion Ratio Lower Upper
43 100
70 2.1 34.8 52.2#
55 4.3 19.4 29.0#
61 10.3 19.4 29.2#

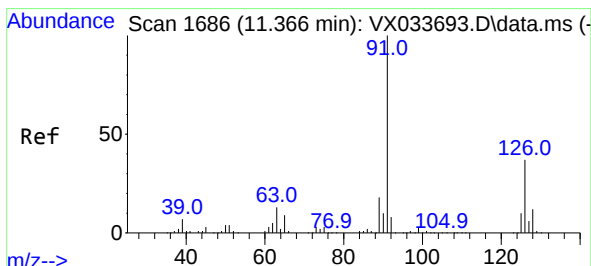
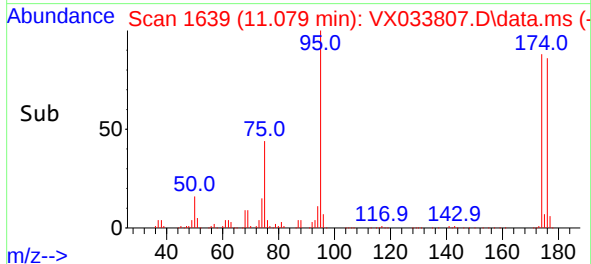
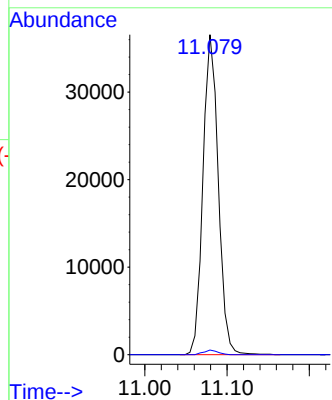
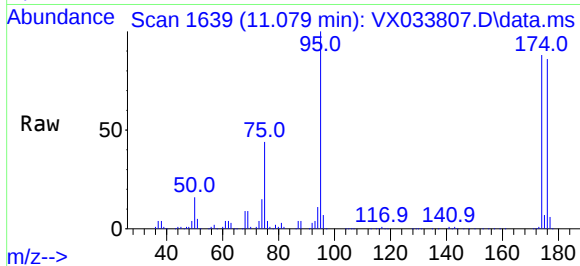




#76
1,2,3-Trichloropropane
Concen: 23.456 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

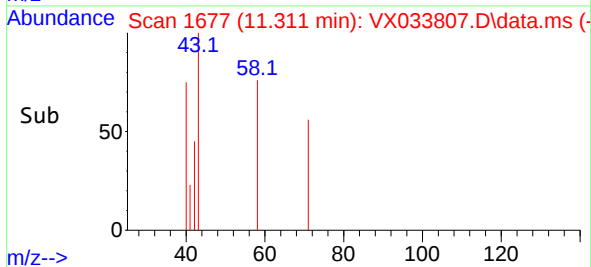
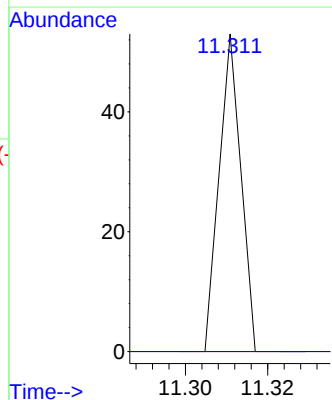
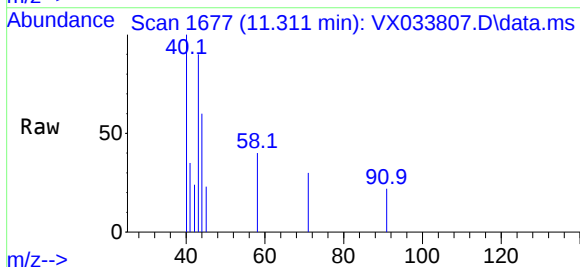
Instrument :
MSVOA_X
ClientSampleId :

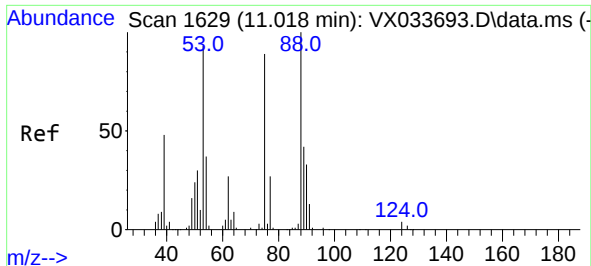
Tgt Ion: 75 Resp: 47232
Ion Ratio Lower Upper
75 100
77 1.3 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

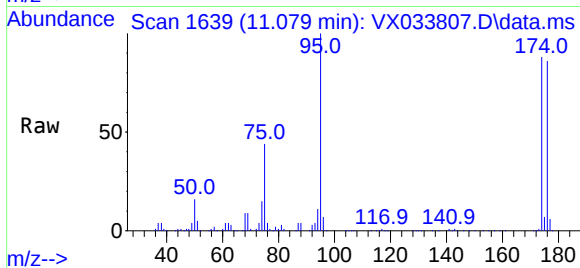
Tgt Ion: 91 Resp: 19
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



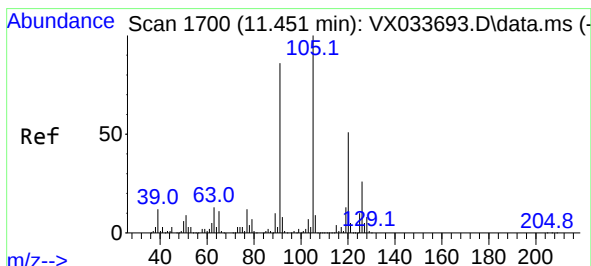
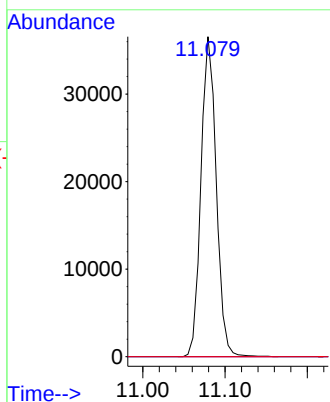
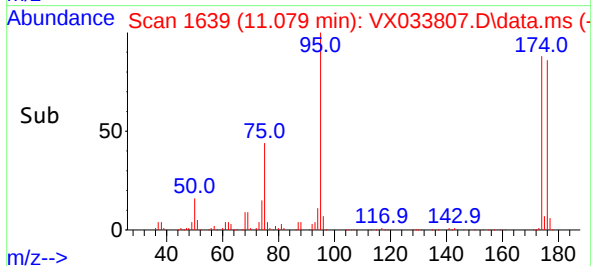


#81
trans-1,4-Dichloro-2-butene
Concen: 72.898 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 47232
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.311 min Scan# 1677
Delta R.T. -0.140 min
Lab File: VX033807.D
Acq: 19 Jan 2023 17:30

Tgt Ion: 91 Resp: 19
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

