

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033808.D
 Acq On : 19 Jan 2023 17:53
 Operator : JC/MD
 Sample : 01214-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:23:43 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	5.556	168	181436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	267617	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88685	46.423	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.840%		
35) Dibromofluoromethane	5.385	113	79518	47.852	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.700%		
50) Toluene-d8	8.647	98	302167	49.906	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.820%		
62) 4-Bromofluorobenzene	11.079	95	106950	47.576	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.001	59	89	0.268	ug/l #	86
16) Acetone	2.386	43	22931	21.717	ug/l	94
17) Carbon Disulfide	2.514	76	96	1.847	ug/l #	76
18) Methyl Acetate	2.709	43	2467	0.925	ug/l	95
20) Methylene Chloride	2.794	84	5825	1.054	ug/l	93
25) 2-Butanone	4.580	43	2805	2.247	ug/l	95
29) Tetrahydrofuran	5.050	42	283	0.360	ug/l #	39
31) Cyclohexane	5.550	56	2489	0.885	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10495	4.327	ug/l #	50
37) Ethyl Acetate	4.721	43	23627	7.798	ug/l	99
38) Carbon Tetrachloride	5.556	117	15553	6.192	ug/l #	15
43) Isopropyl Acetate	6.336	43	101629	26.544	ug/l	99
48) Methyl methacrylate	7.799	41	86969	45.093	ug/l #	43
49) 1,4-Dioxane	7.799	88	108	2.532	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	76412	32.496	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	643	0.270	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37109	13.892	ug/l #	58
56) Ethyl methacrylate	9.244	69	553	0.217	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4706	1.606	ug/l #	43
59) 2-Hexanone	9.482	43	63741	38.947	ug/l #	52
73) Isopropylbenzene	11.079	105	157	Below Cal	#	48
74) N-amyl acetate	10.640	43	23599	7.870	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.073	83	45	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	49285	23.489	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	49285	73.002	ug/l #	8

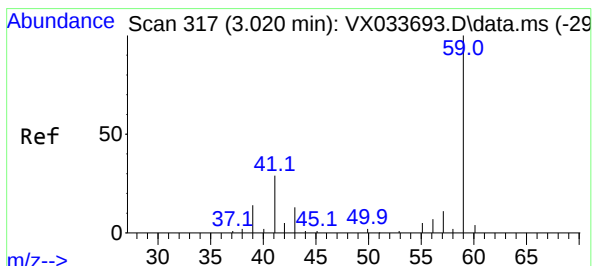
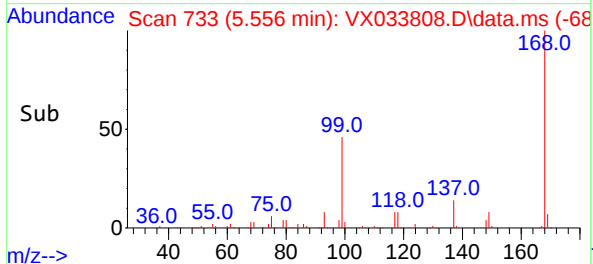
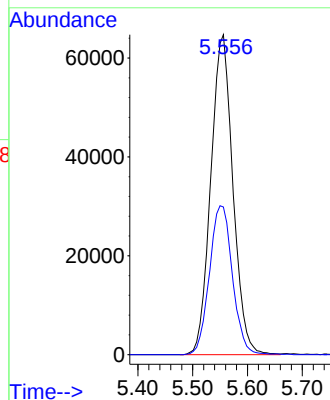
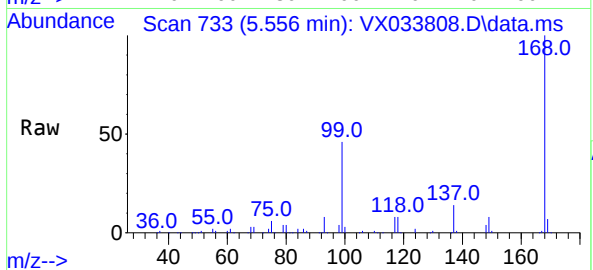
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

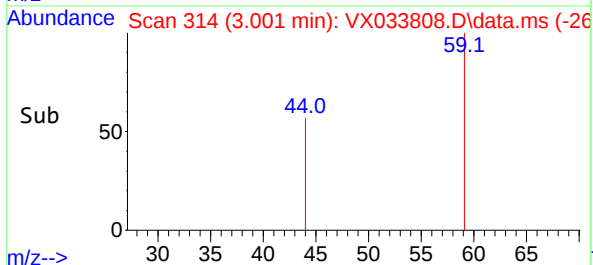
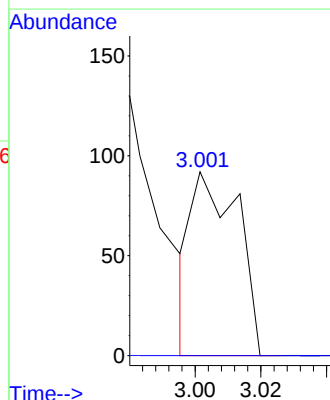
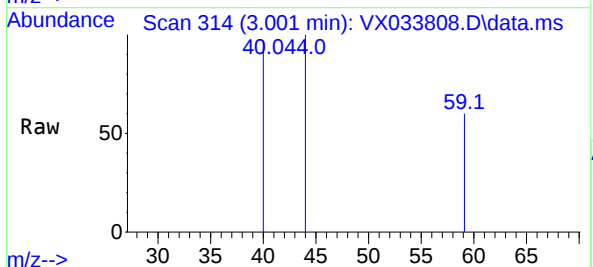
Instrument :
MSVOA_X
ClientSampleId :

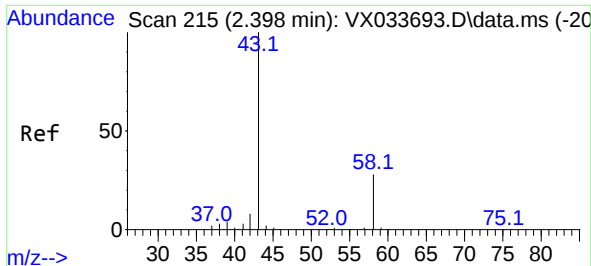
Tgt Ion:168 Resp: 181436
Ion Ratio Lower Upper
168 100
99 46.1 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.268 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.018 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

Tgt Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

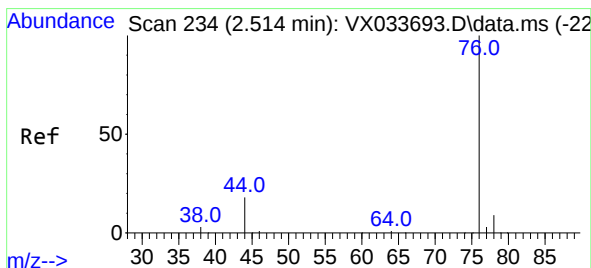
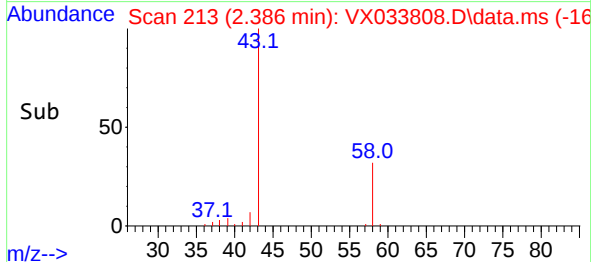
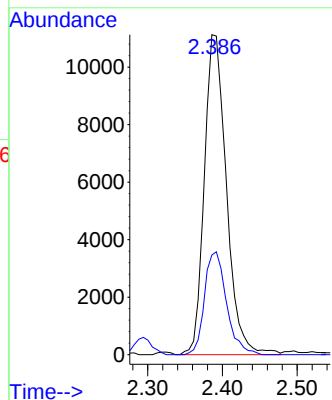
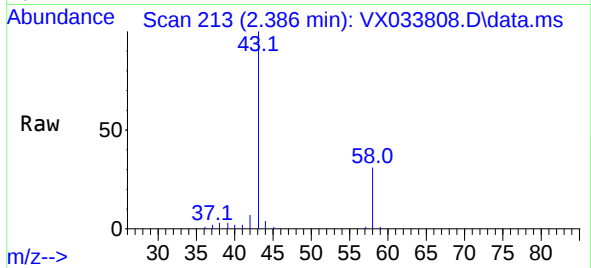




#16
Acetone
Concen: 21.717 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

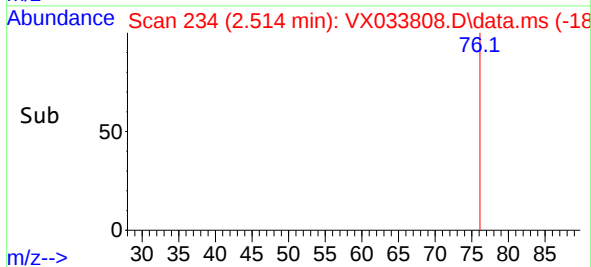
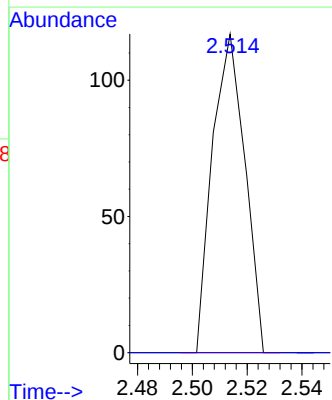
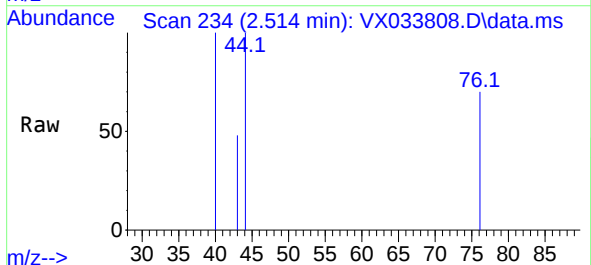
Instrument :
MSVOA_X
ClientSampleId :

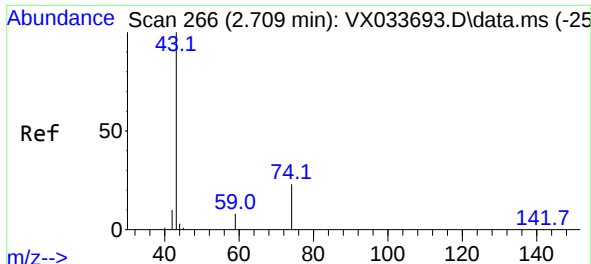
Tgt Ion: 43 Resp: 22931
Ion Ratio Lower Upper
43 100
58 31.2 22.6 33.8



#17
Carbon Disulfide
Concen: 1.847 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

Tgt Ion: 76 Resp: 96
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

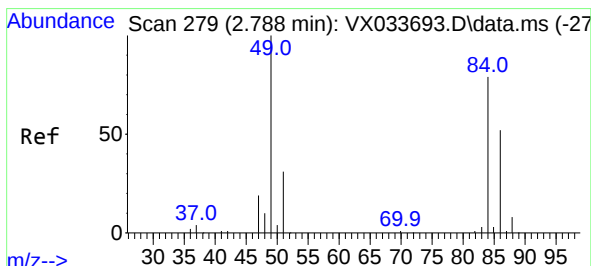
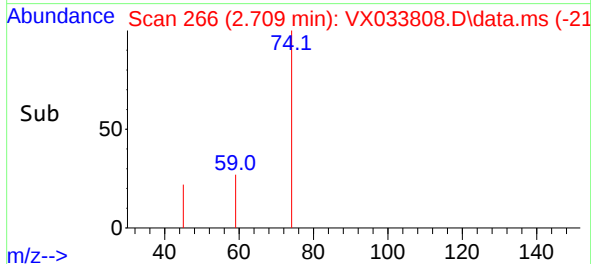
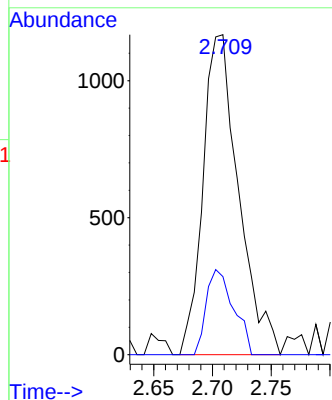
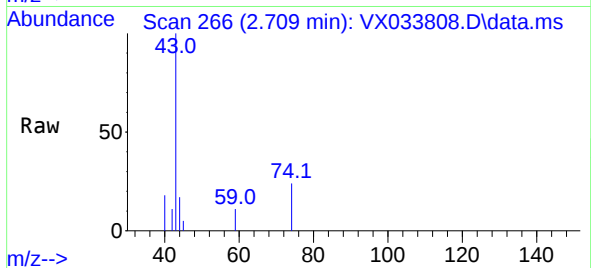




#18
Methyl Acetate
Concen: 0.925 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

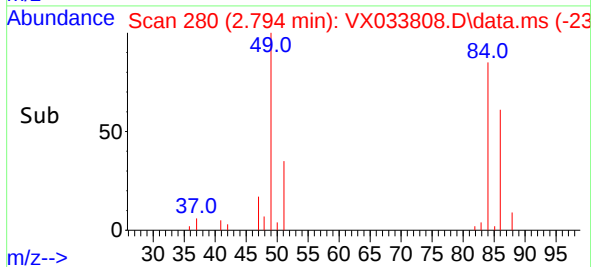
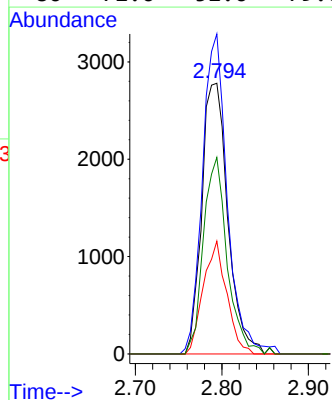
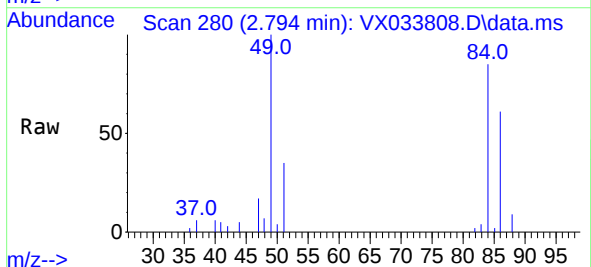
Instrument :
MSVOA_X
ClientSampleId :

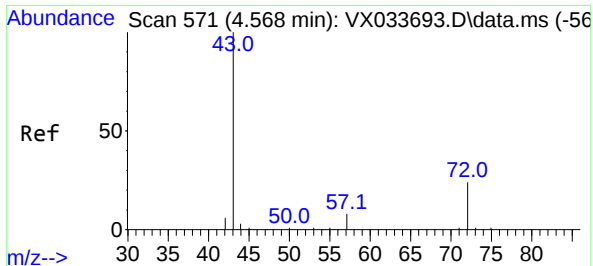
Tgt Ion: 43 Resp: 2467
Ion Ratio Lower Upper
43 100
74 20.4 18.2 27.4



#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

Tgt Ion: 84 Resp: 5825
Ion Ratio Lower Upper
84 100
49 118.2 101.1 151.7
51 41.7 31.0 46.6
86 72.6 52.6 79.0





#25

2-Butanone

Concen: 2.247 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033808.D

Acq: 19 Jan 2023 17:53

Instrument :

MSVOA_X

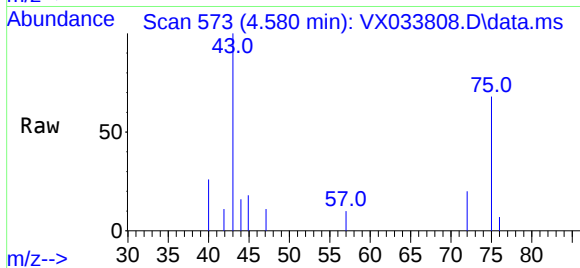
ClientSampleId :

Tgt Ion: 43 Resp: 2805

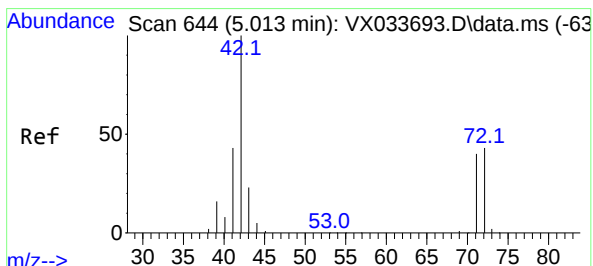
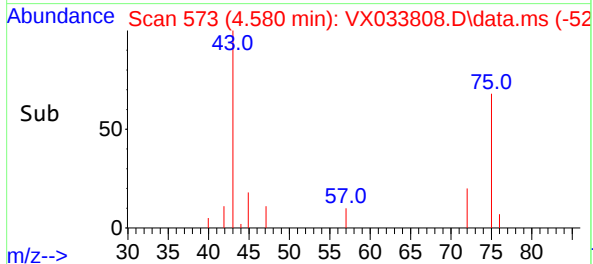
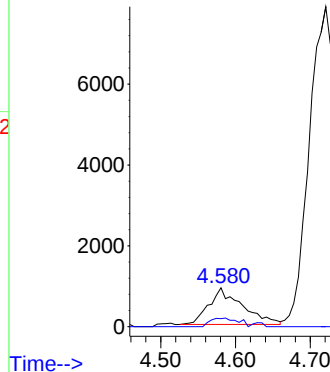
Ion Ratio Lower Upper

43 100

72 21.6 19.4 29.2



Abundance



#29

Tetrahydrofuran

Concen: 0.360 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.036 min

Lab File: VX033808.D

Acq: 19 Jan 2023 17:53

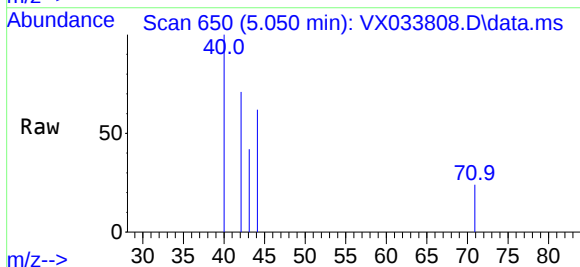
Tgt Ion: 42 Resp: 283

Ion Ratio Lower Upper

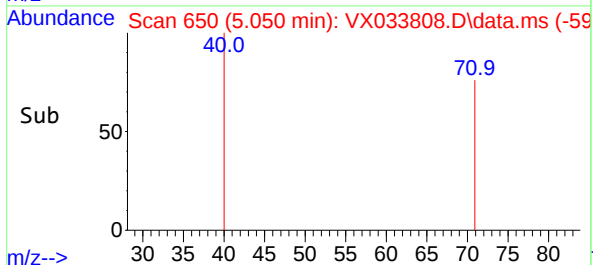
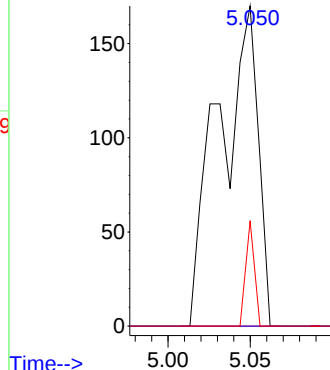
42 100

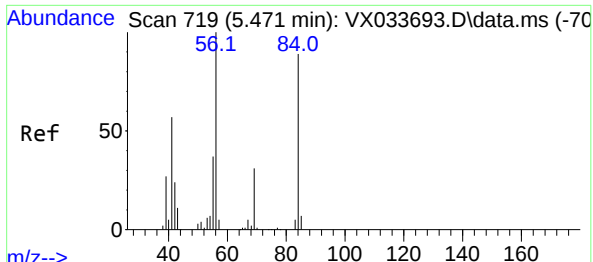
72 0.0 34.8 52.2#

71 7.1 32.2 48.2#



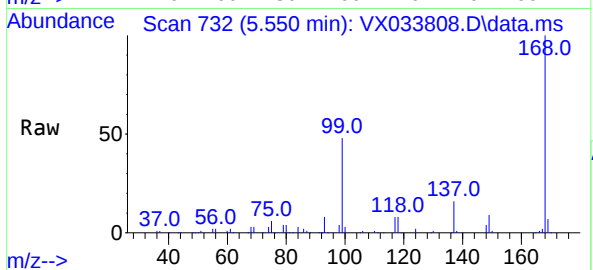
Abundance



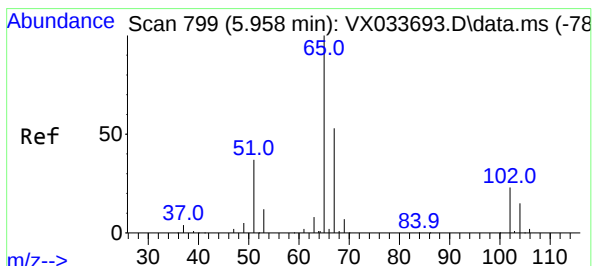
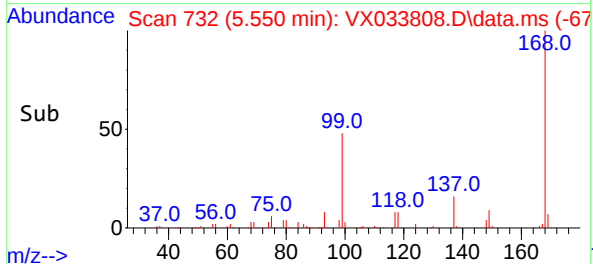
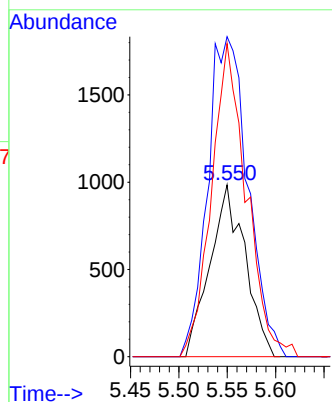


#31
Cyclohexane
Concen: 0.885 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

Instrument :
MSVOA_X
ClientSampleId :

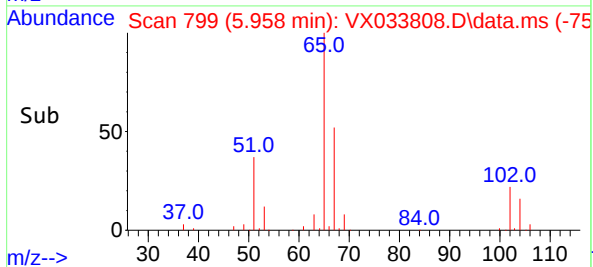
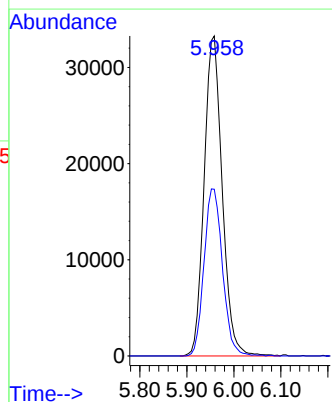
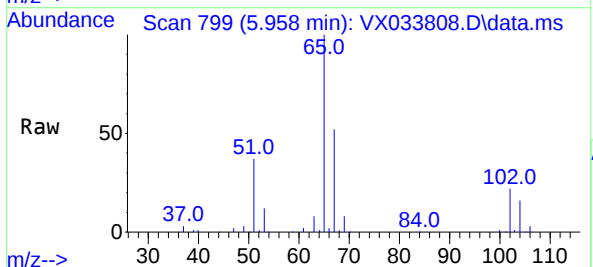


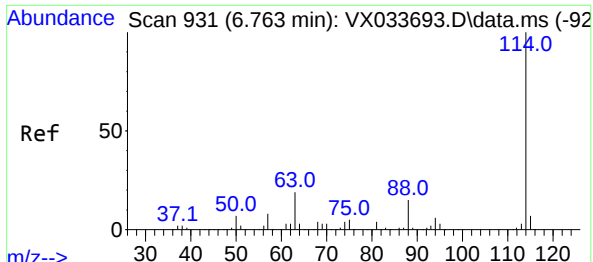
Tgt Ion: 56 Resp: 2489
Ion Ratio Lower Upper
56 100
69 186.2 24.6 37.0#
84 182.2 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 46.423 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

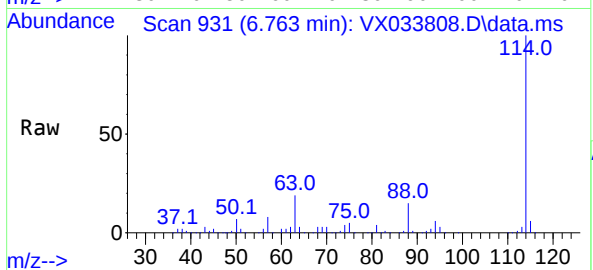
Tgt Ion: 65 Resp: 88685
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8



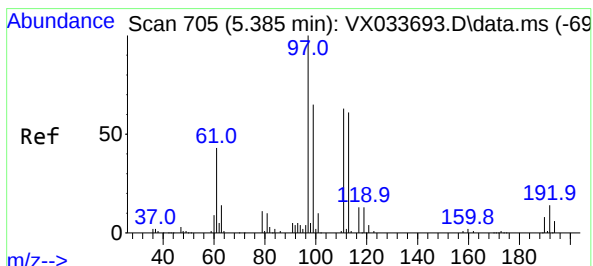
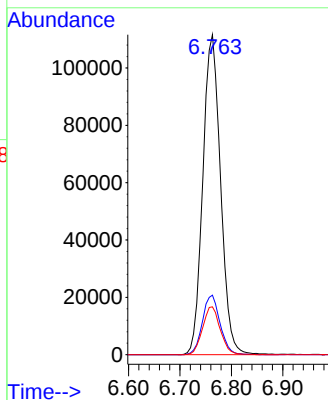
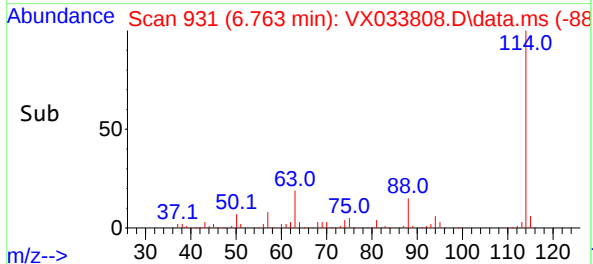


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

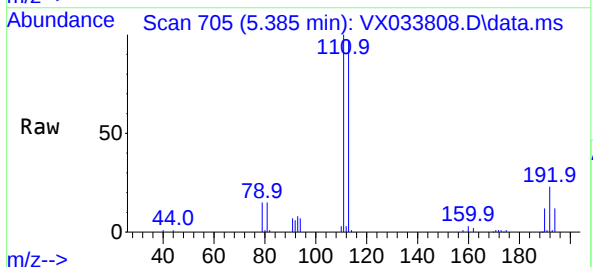
Instrument :
MSVOA_X
ClientSampleId :



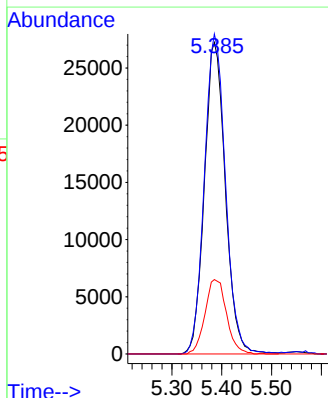
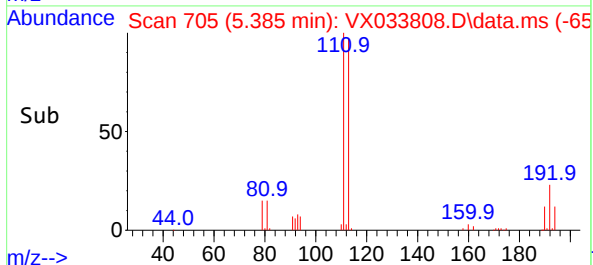
Tgt Ion:114 Resp: 267617
Ion Ratio Lower Upper
114 100
63 18.6 0.0 37.4
88 14.9 0.0 30.6

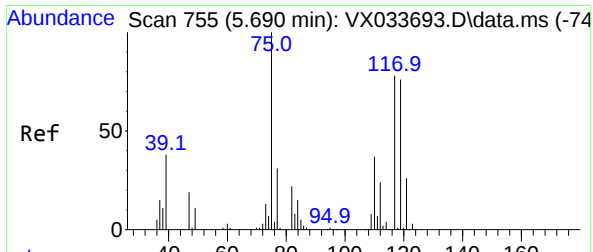


#35
Dibromofluoromethane
Concen: 47.852 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53



Tgt Ion:113 Resp: 79518
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.6
192 24.4 19.0 28.4





#36

1,1-Dichloropropene

Concen: 4.327 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

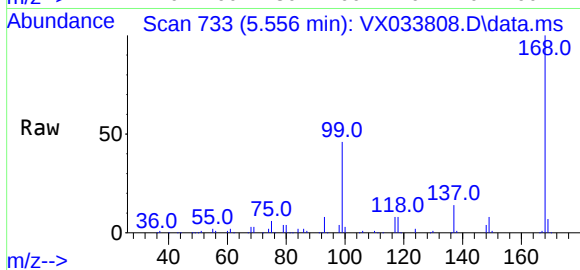
Lab File: VX033808.D

Acq: 19 Jan 2023 17:53

Instrument :

MSVOA_X

ClientSampleId :



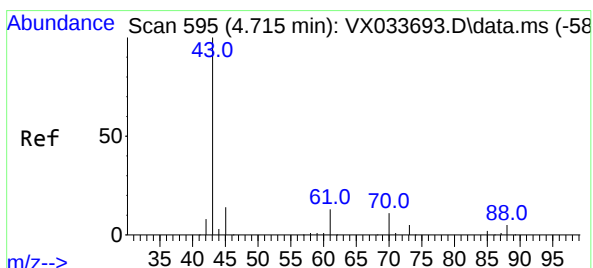
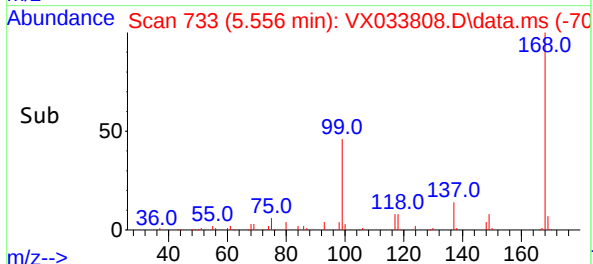
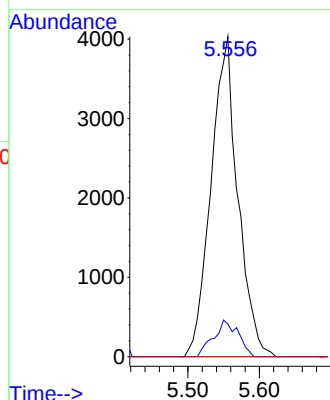
Tgt Ion: 75 Resp: 10495

Ion Ratio Lower Upper

75 100

110 10.5 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.798 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX033808.D

Acq: 19 Jan 2023 17:53

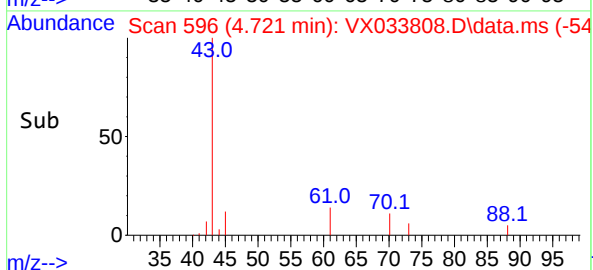
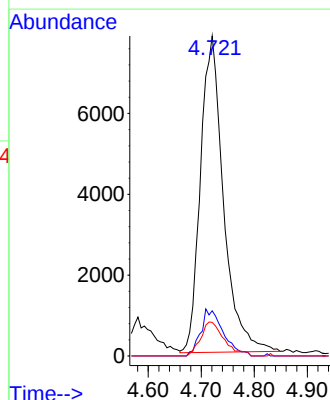
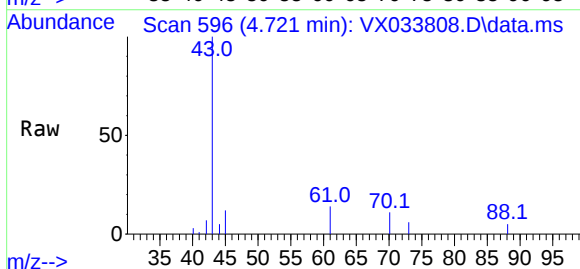
Tgt Ion: 43 Resp: 23627

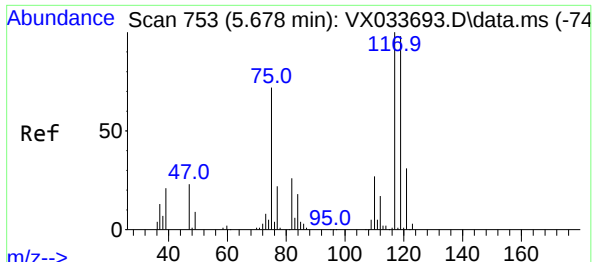
Ion Ratio Lower Upper

43 100

61 14.4 11.1 16.7

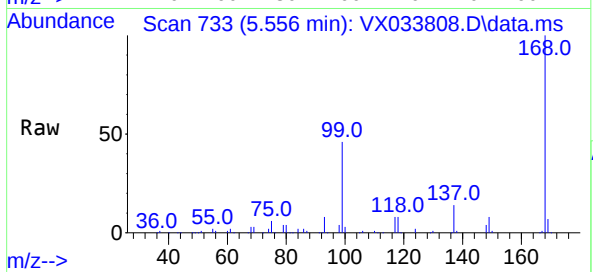
70 10.9 8.5 12.7



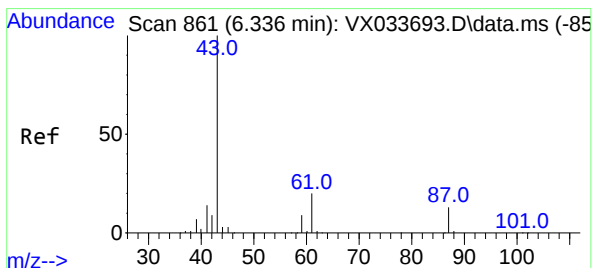
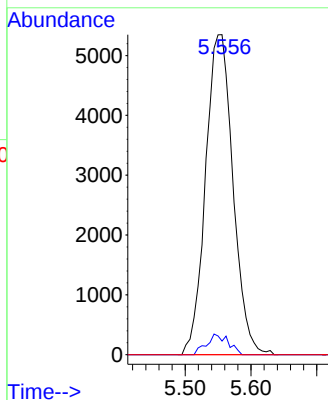
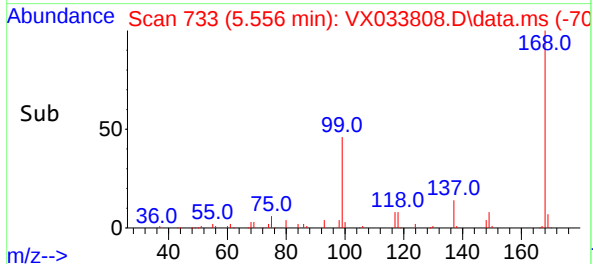


#38
Carbon Tetrachloride
Concen: 6.192 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

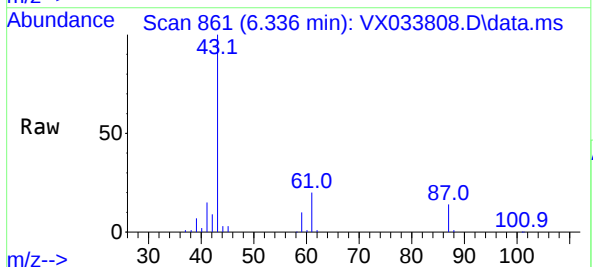
Instrument :
MSVOA_X
ClientSampleId :



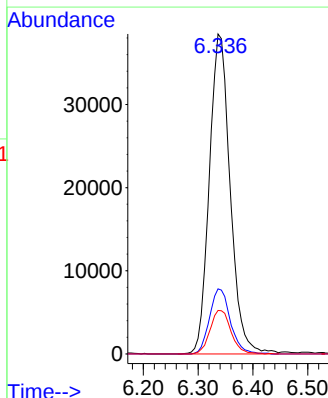
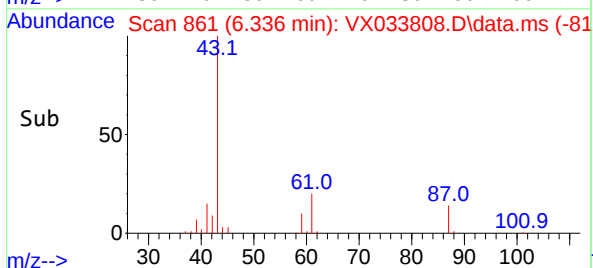
Tgt Ion:117 Resp: 15553
Ion Ratio Lower Upper
117 100
119 4.3 78.0 117.0#
121 0.0 24.4 36.6#

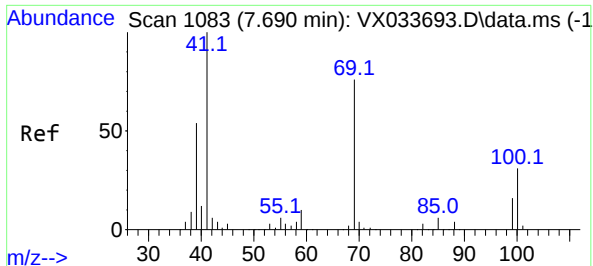


#43
Isopropyl Acetate
Concen: 26.544 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53



Tgt Ion: 43 Resp: 101629
Ion Ratio Lower Upper
43 100
61 20.3 15.7 23.5
87 13.6 10.6 15.8

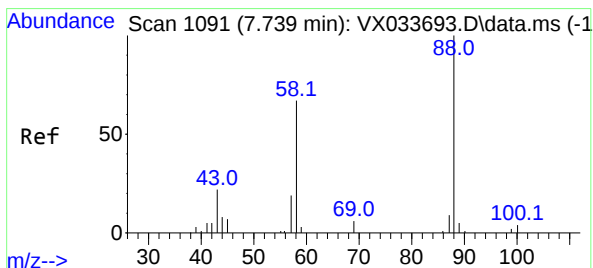
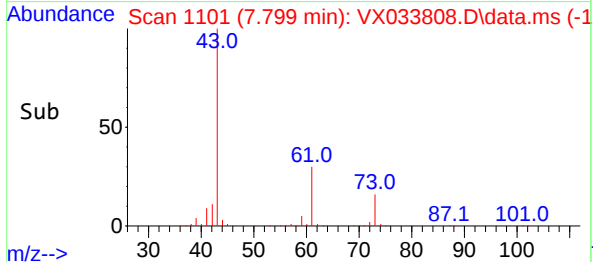
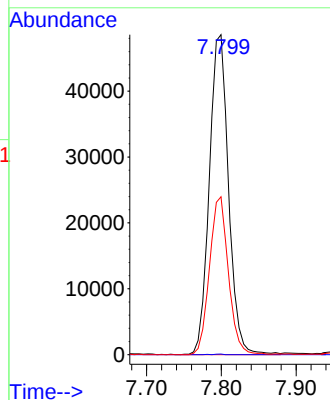
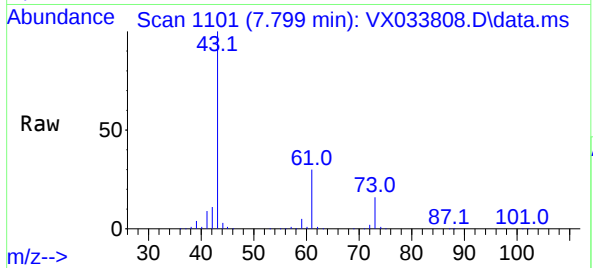




#48
Methyl methacrylate
Concen: 45.093 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

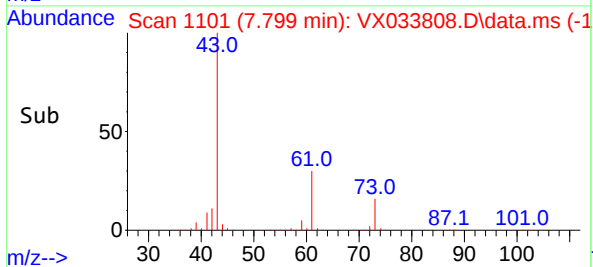
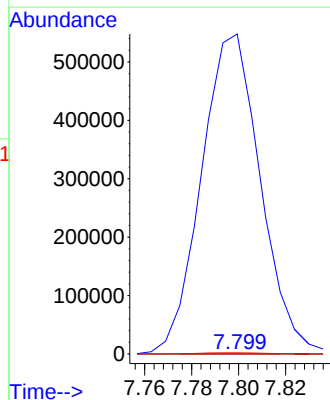
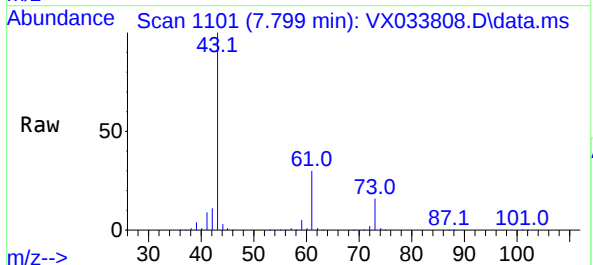
Instrument :
MSVOA_X
ClientSampleId :

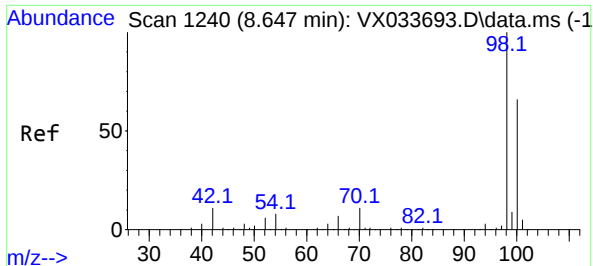
Tgt Ion: 41 Resp: 86969
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 48.5 43.2 64.8



#49
1,4-Dioxane
Concen: 2.532 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.061 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 894955.6 0.0 0.0#
58 3505.6 56.5 84.7#





#50

Toluene-d8

Concen: 49.906 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX033808.D

Acq: 19 Jan 2023 17:53

Instrument :

MSVOA_X

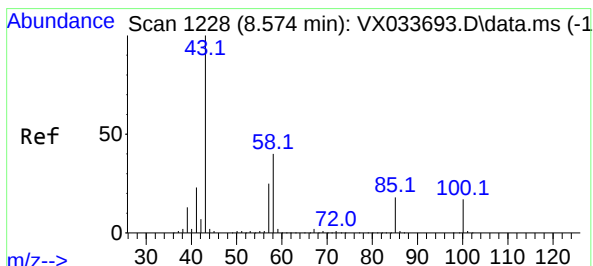
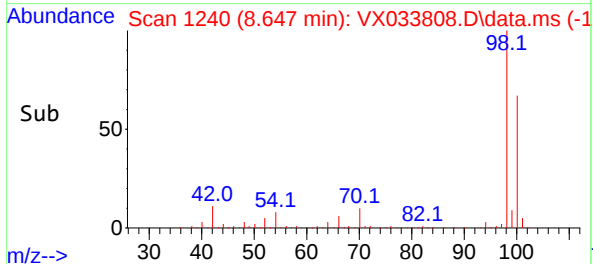
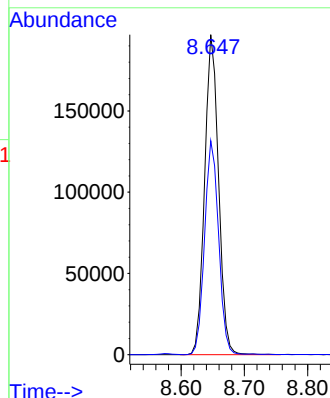
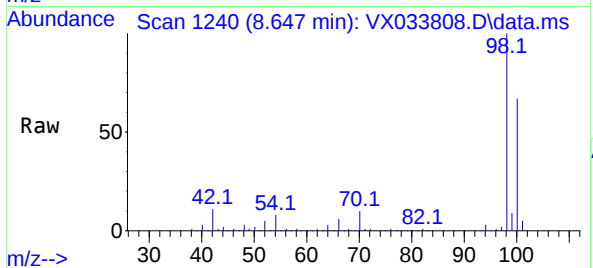
ClientSampleId :

Tgt Ion: 98 Resp: 302167

Ion Ratio Lower Upper

98 100

100 67.2 53.6 80.4



#51

4-Methyl-2-Pentanone

Concen: 32.496 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX033808.D

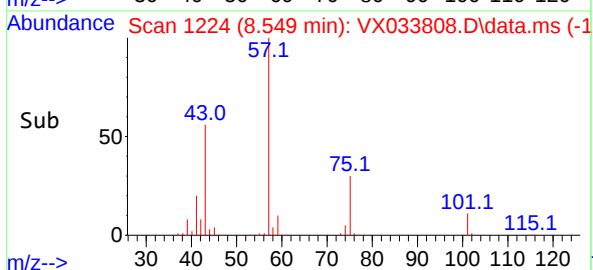
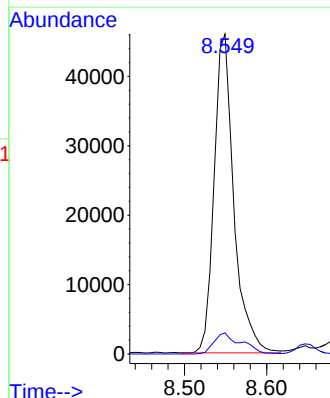
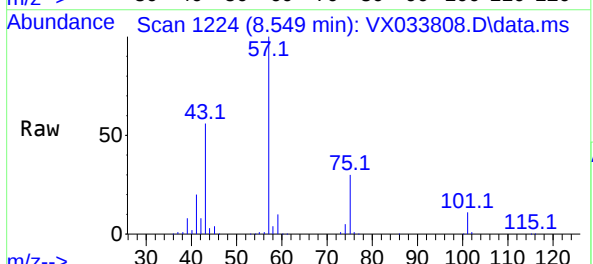
Acq: 19 Jan 2023 17:53

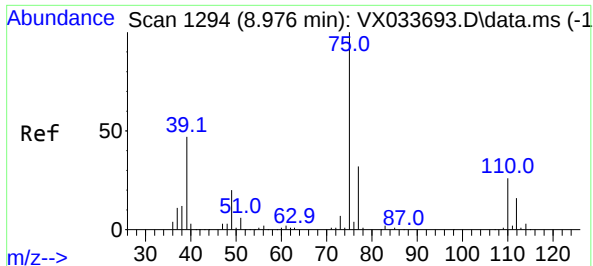
Tgt Ion: 43 Resp: 76412

Ion Ratio Lower Upper

43 100

58 9.2 31.2 46.8#

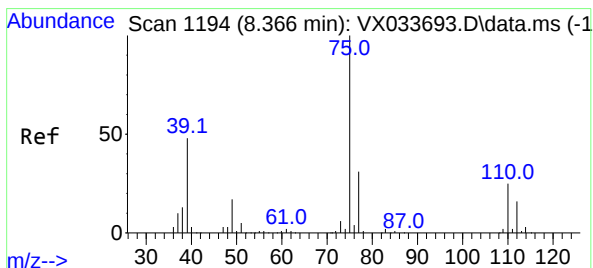
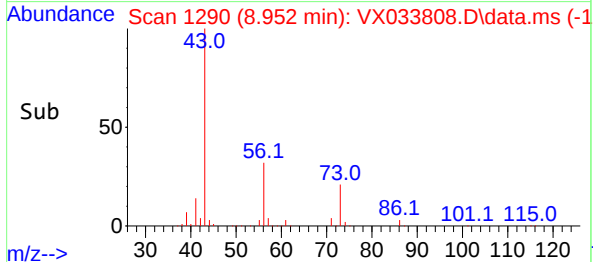
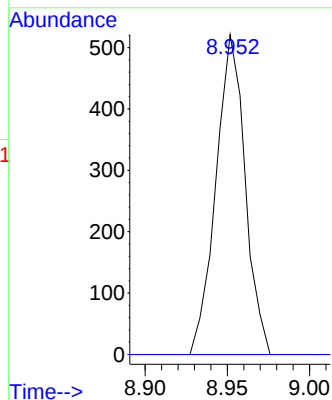
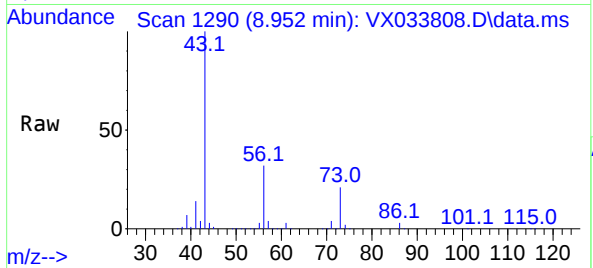




#53
 t-1,3-Dichloropropene
 Concen: 0.270 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX033808.D
 Acq: 19 Jan 2023 17:53

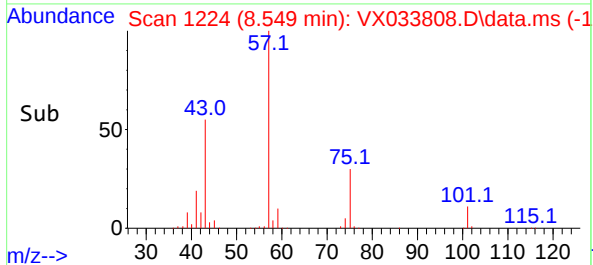
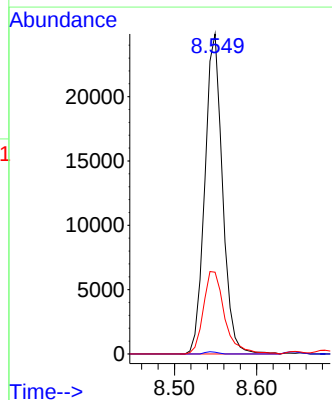
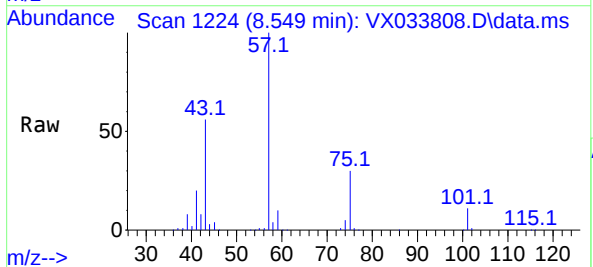
Instrument :
 MSVOA_X
 ClientSampleId :

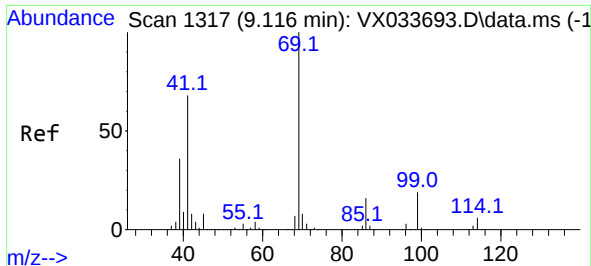
Tgt Ion: 75 Resp: 643
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 13.892 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033808.D
 Acq: 19 Jan 2023 17:53

Tgt Ion: 75 Resp: 37109
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 25.5 38.6 58.0#

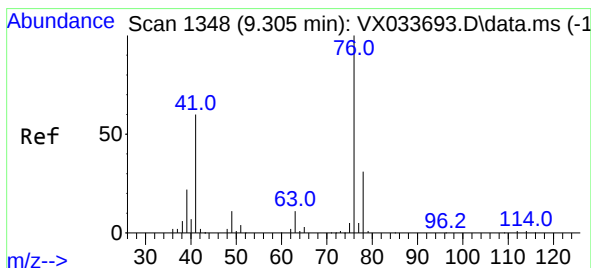
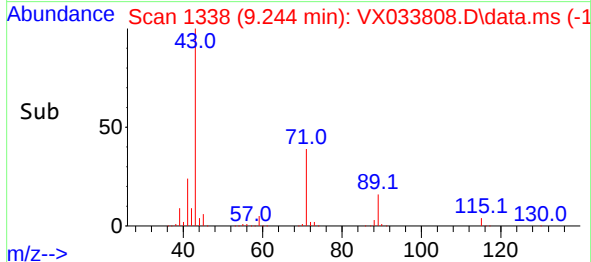
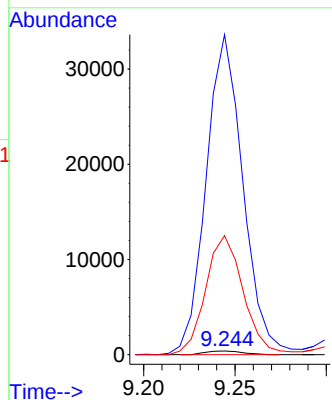
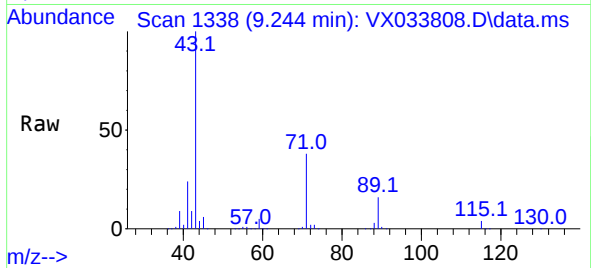




#56
Ethyl methacrylate
Concen: 0.217 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

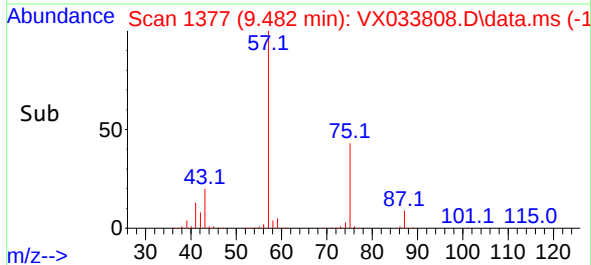
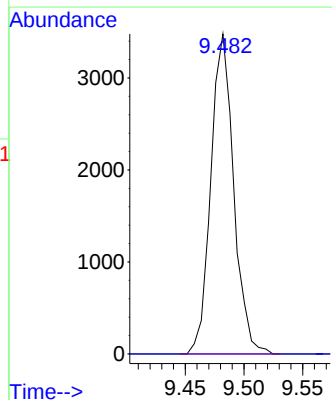
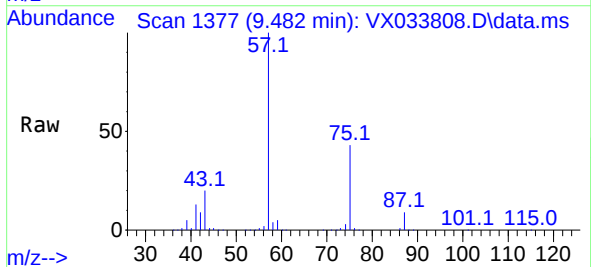
Instrument :
MSVOA_X
ClientSampleId :

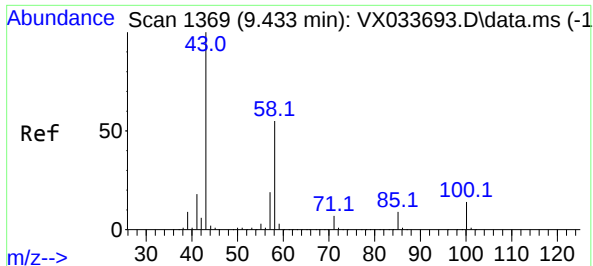
Tgt Ion: 69 Resp: 553
Ion Ratio Lower Upper
69 100
41 8581.4 55.1 82.7#
39 3266.5 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.606 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

Tgt Ion: 76 Resp: 4706
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 38.947 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033808.D

Acq: 19 Jan 2023 17:53

Instrument :

MSVOA_X

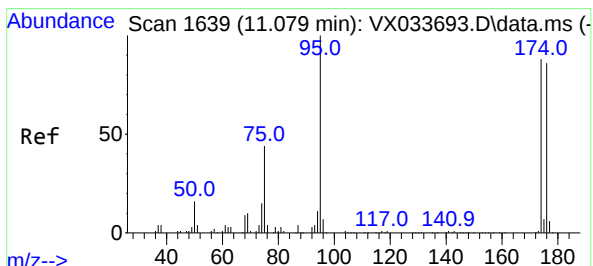
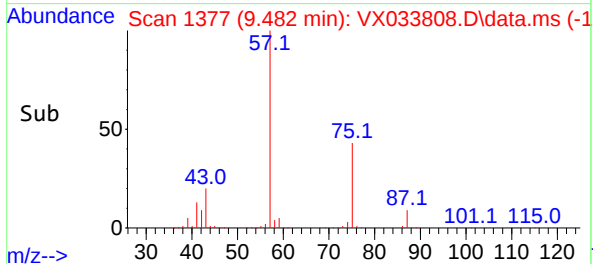
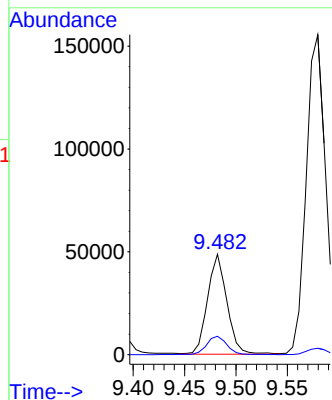
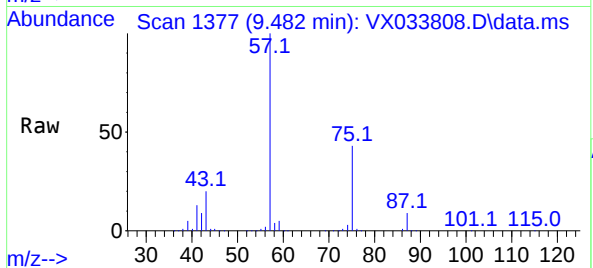
ClientSampleId :

Tgt Ion: 43 Resp: 63741

Ion Ratio Lower Upper

43 100

58 19.8 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 47.576 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033808.D

Acq: 19 Jan 2023 17:53

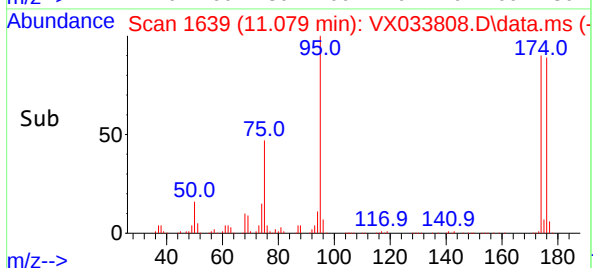
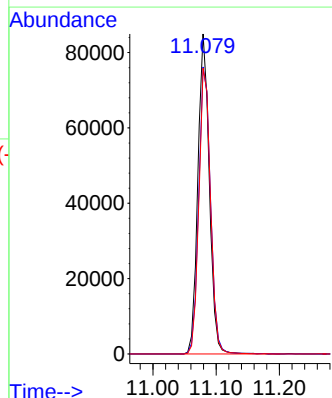
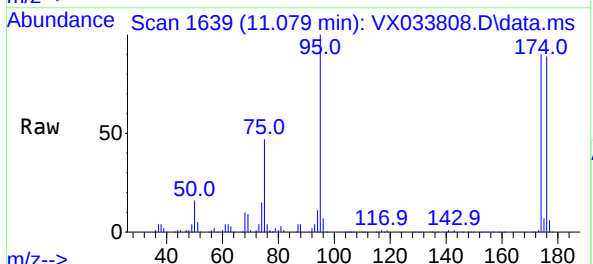
Tgt Ion: 95 Resp: 106950

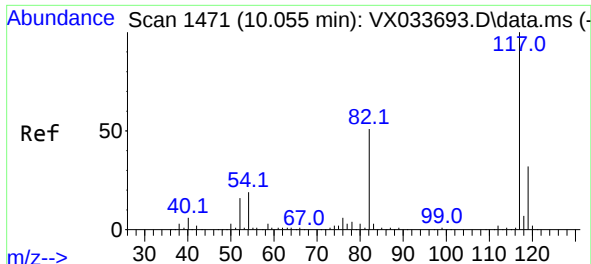
Ion Ratio Lower Upper

95 100

174 92.9 0.0 184.4

176 90.9 0.0 178.8

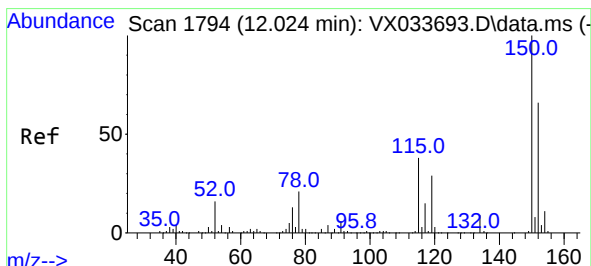
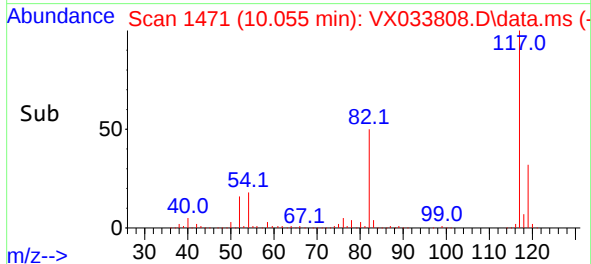
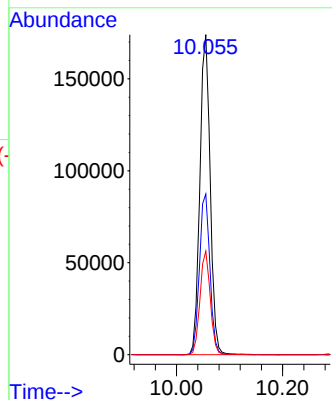
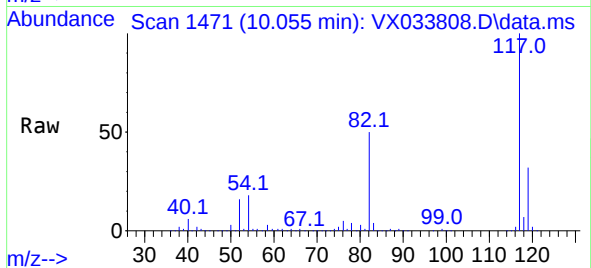




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

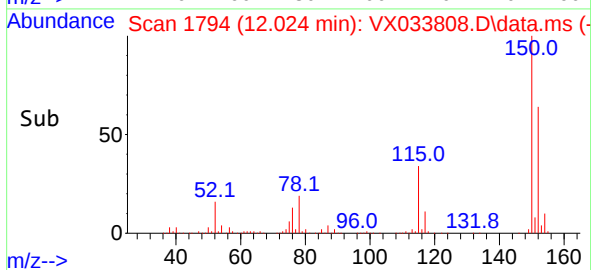
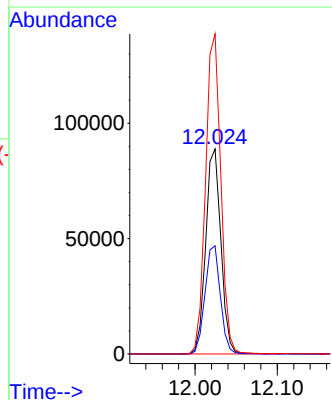
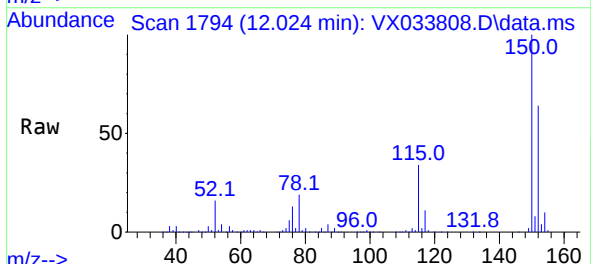
Instrument :
MSVOA_X
ClientSampleId :

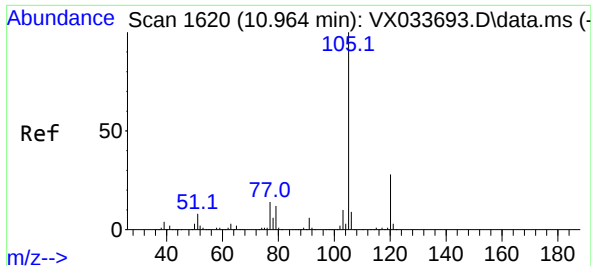
Tgt Ion:117 Resp: 235703
Ion Ratio Lower Upper
117 100
82 50.2 40.6 60.8
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

Tgt Ion:152 Resp: 114197
Ion Ratio Lower Upper
152 100
115 53.4 38.7 116.1
150 156.2 0.0 348.2

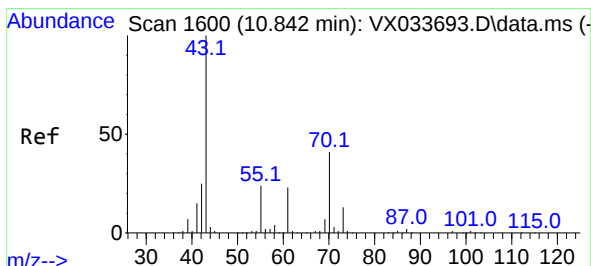
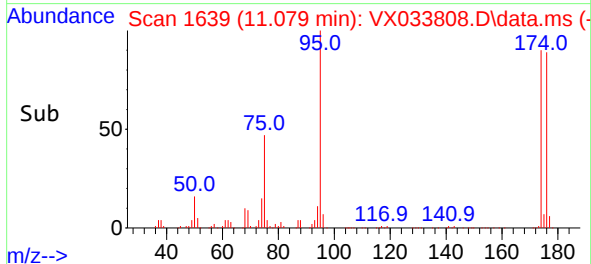
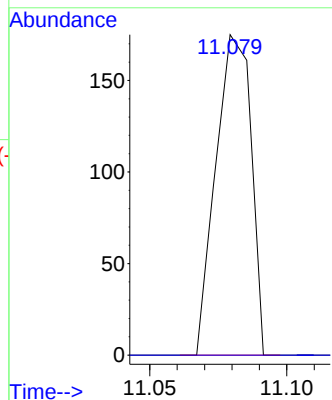
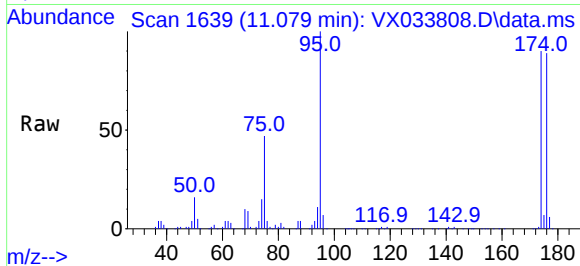




#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1
Delta R.T. 0.115 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

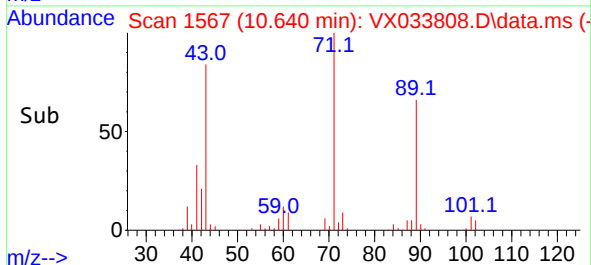
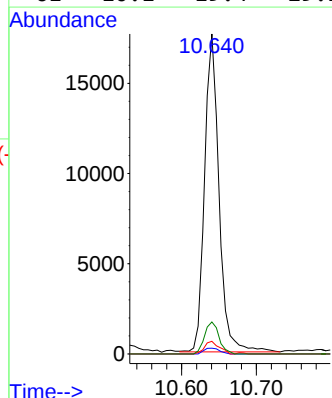
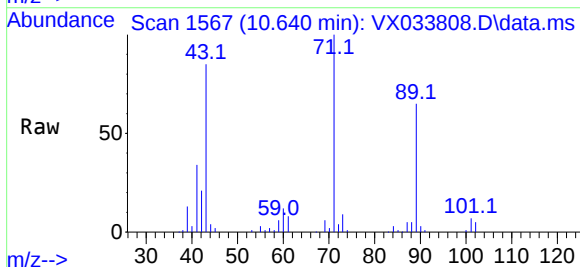
Instrument :
MSVOA_X
ClientSampleId :

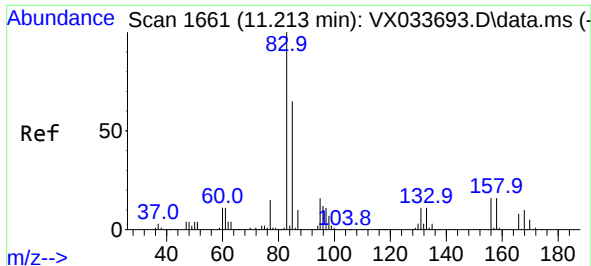
Tgt Ion:105 Resp: 157
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 7.870 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

Tgt Ion: 43 Resp: 23599
Ion Ratio Lower Upper
43 100
70 2.0 34.8 52.2#
55 4.1 19.4 29.0#
61 10.1 19.4 29.2#

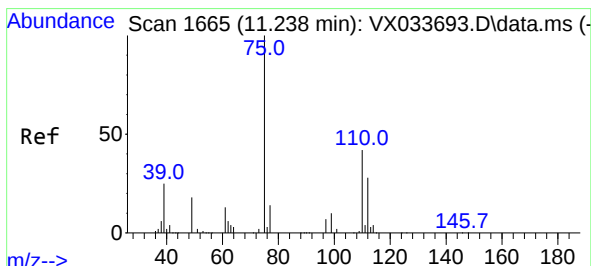
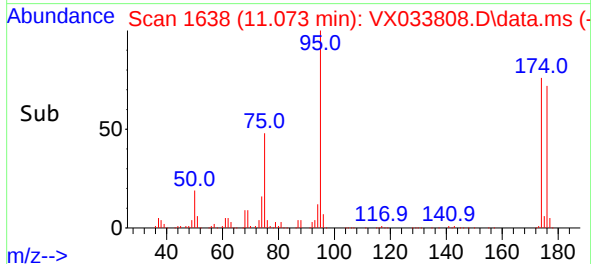
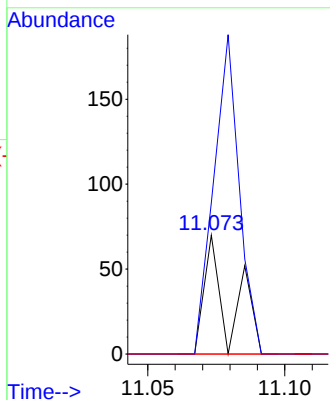
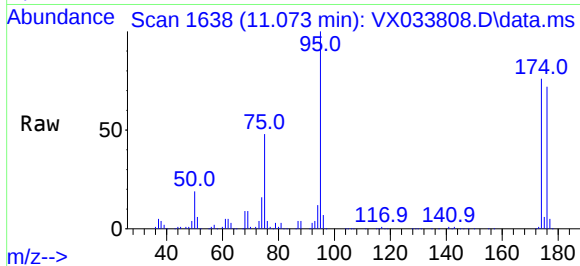




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.073 min Scan# 1638
Delta R.T. -0.140 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

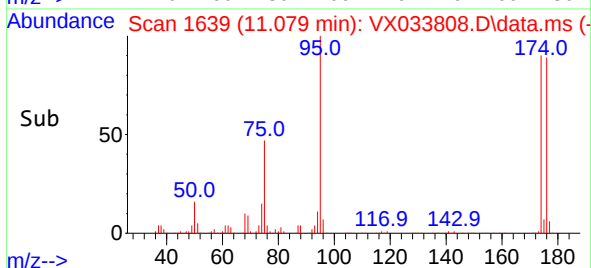
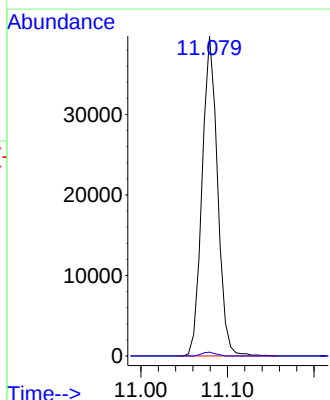
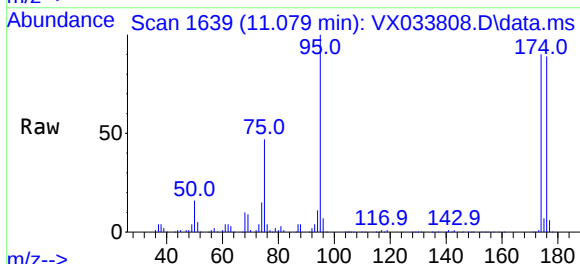
Instrument :
MSVOA_X
ClientSampleId :

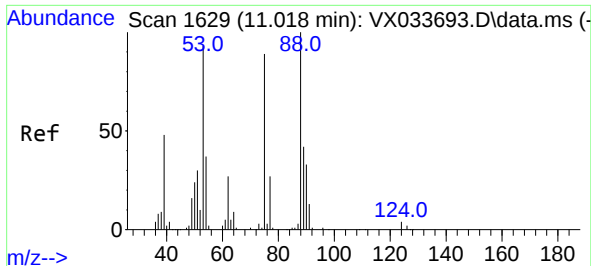
Tgt Ion: 83 Resp: 45
Ion Ratio Lower Upper
83 100
131 271.1 5.5 16.7#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 23.489 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033808.D
Acq: 19 Jan 2023 17:53

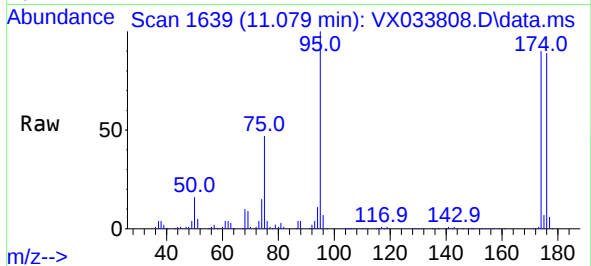
Tgt Ion: 75 Resp: 49285
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.002 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX033808.D
 Acq: 19 Jan 2023 17:53

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 49285
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

