

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
 Data File : VX037997.D
 Acq On : 30 Sep 2023 12:35
 Operator : JC/MD
 Sample : 04652-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 02:09:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

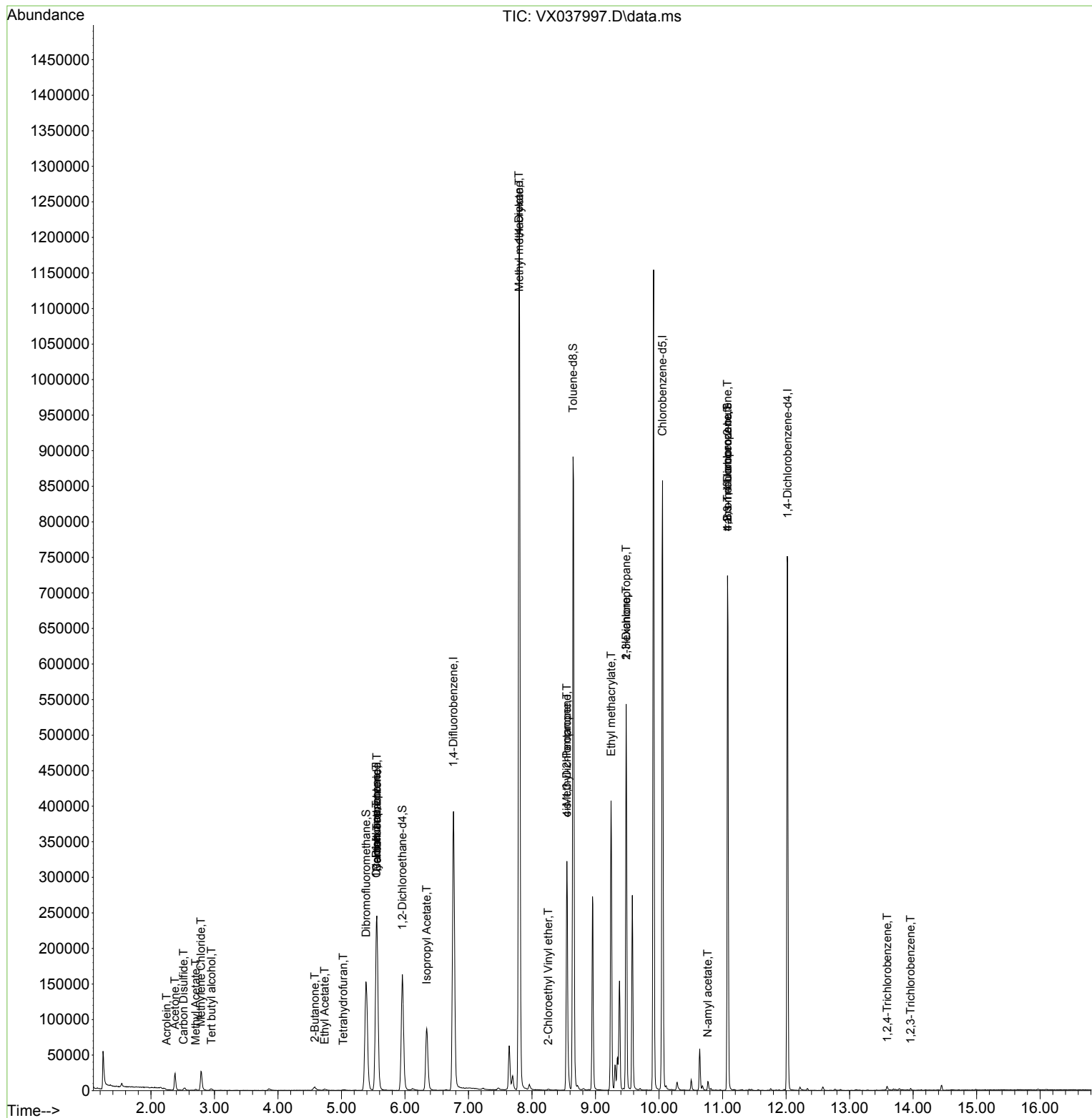
Internal Standards						
1) Pentafluorobenzene	5.556	168	230597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	401488	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	379533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149774	49.435	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.880%
35) Dibromofluoromethane	5.385	113	134521	50.075	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.160%
50) Toluene-d8	8.647	98	539270	54.027	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	108.060%
62) 4-Bromofluorobenzene	11.079	95	187017	51.561	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1596	2.454	ug/l #	78
13) Acrolein	2.246	56	163	0.254	ug/l #	68
16) Acetone	2.380	43	23944	16.428	ug/l	90
17) Carbon Disulfide	2.514	76	1238	0.219	ug/l #	88
18) Methyl Acetate	2.703	43	1592	0.303	ug/l	91
20) Methylene Chloride	2.788	84	13388	4.946	ug/l #	85
25) 2-Butanone	4.580	43	6943	3.376	ug/l	91
29) Tetrahydrofuran	5.026	42	863	0.675	ug/l #	79
31) Cyclohexane	5.550	56	5209	1.340	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	17937	4.847	ug/l #	51
37) Ethyl Acetate	4.733	43	2768	0.680	ug/l	98
38) Carbon Tetrachloride	5.556	117	23442	6.054	ug/l #	15
43) Isopropyl Acetate	6.342	43	116395	17.893	ug/l #	95
48) Methyl methacrylate	7.799	41	105905	34.056	ug/l #	49
49) 1,4-Dioxane	7.793	88	169	2.073	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	108089	26.189	ug/l #	53
54) cis-1,3-Dichloropropene	8.549	75	51666	11.403	ug/l #	56
56) Ethyl methacrylate	9.244	69	1002	0.217	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4456	0.891	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.257	63	761	0.353	ug/l	98
59) 2-Hexanone	9.482	43	57922	18.024	ug/l #	57
74) N-amyl acetate	10.768	43	6091	1.357	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	95670	27.383	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	95670	87.718	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	918	0.299	ug/l	91
96) 1,2,3-Trichlorobenzene	13.963	180	713	0.225	ug/l	86

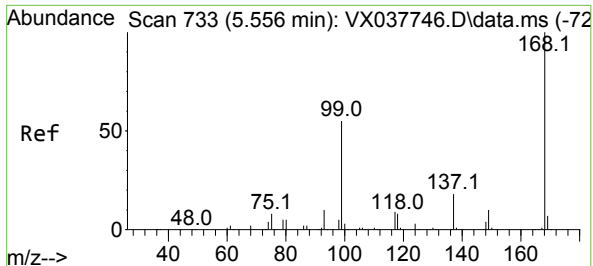
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
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Instrument :
MSVOA_X
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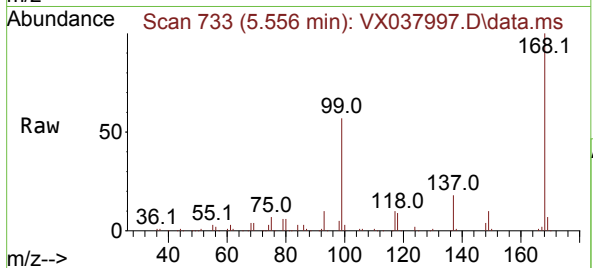
Quant Time: Oct 02 02:09:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
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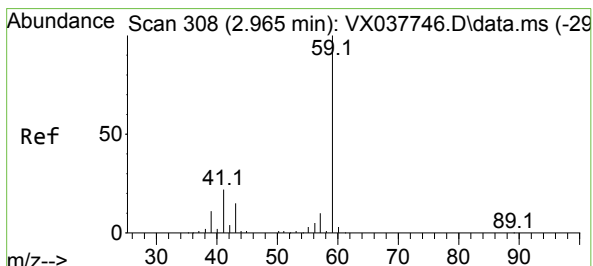
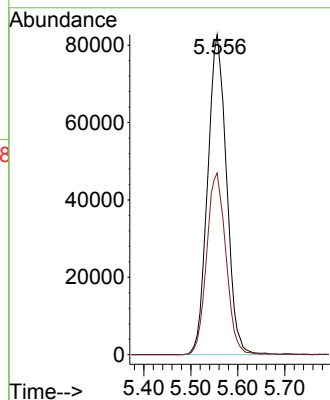
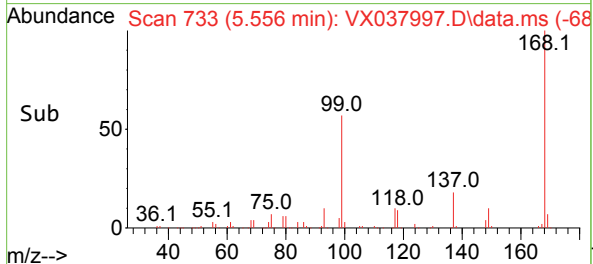


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Instrument :
MSVOA_X
ClientSampleId :

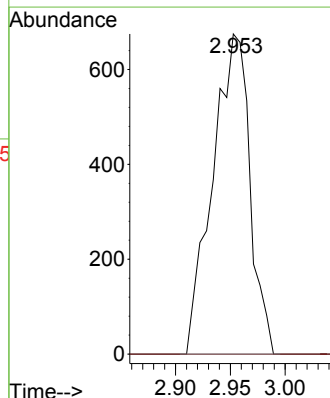
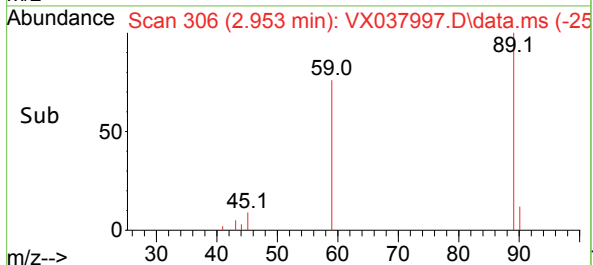
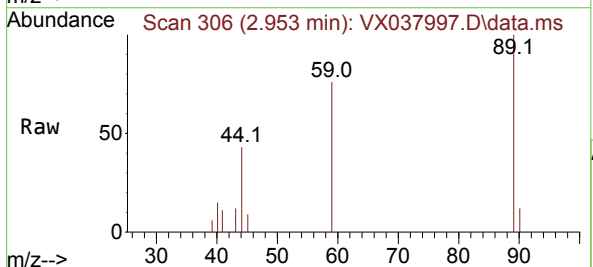


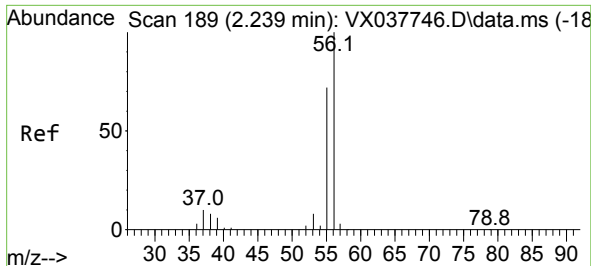
Tgt Ion:168 Resp: 230597
Ion Ratio Lower Upper
168 100
99 56.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.454 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Tgt Ion: 59 Resp: 1596
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.254 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

Instrument :

MSVOA_X

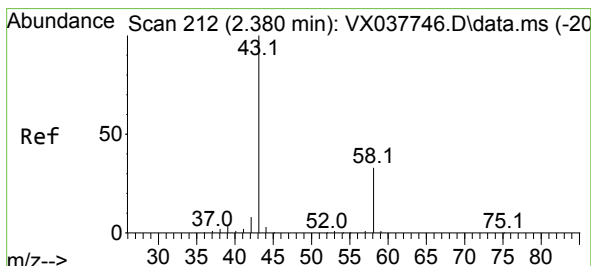
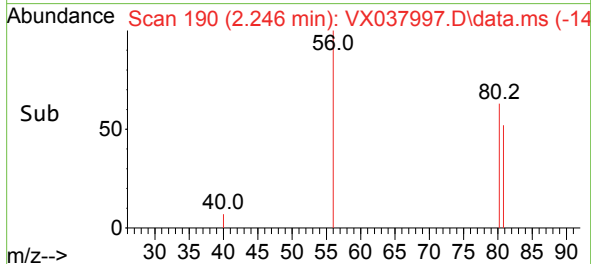
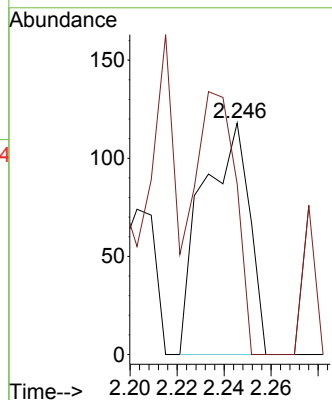
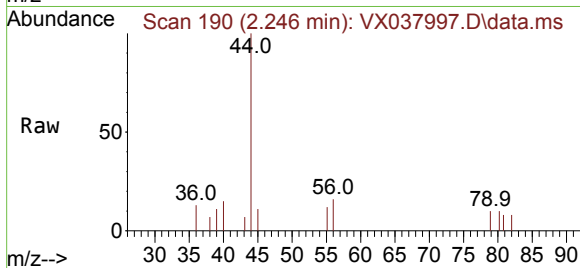
ClientSampleId :

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 98.2 57.1 85.7#



#16

Acetone

Concen: 16.428 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX037997.D

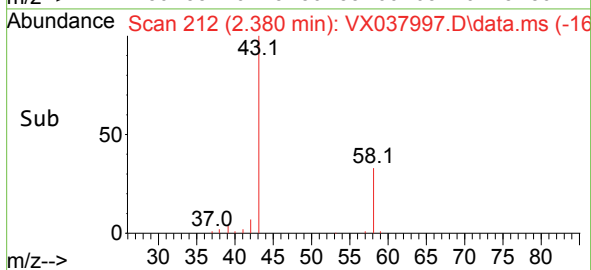
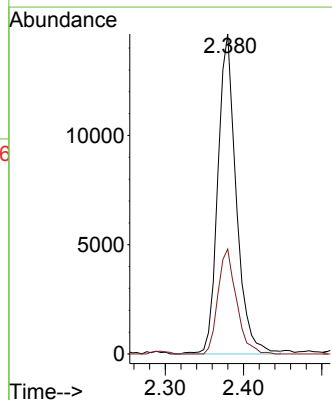
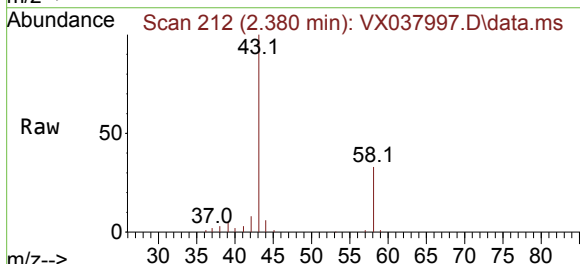
Acq: 30 Sep 2023 12:35

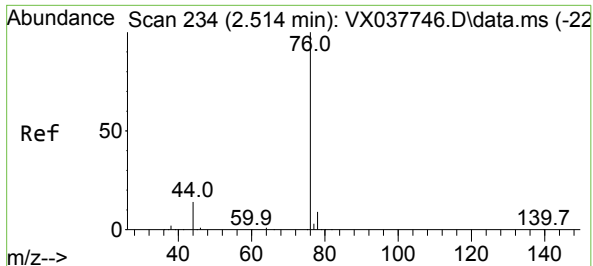
Tgt Ion: 43 Resp: 23944

Ion Ratio Lower Upper

43 100

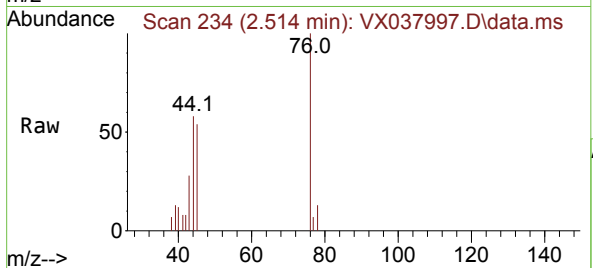
58 32.8 21.9 32.9



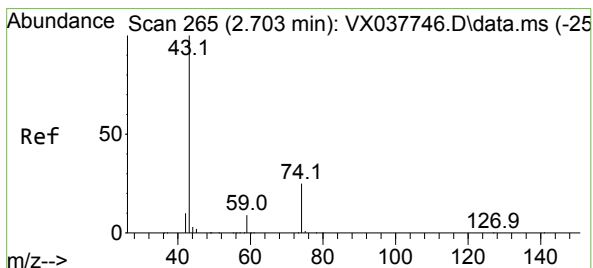
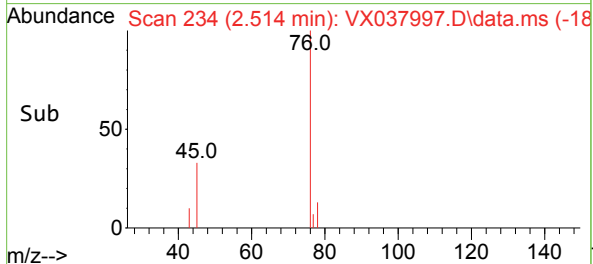
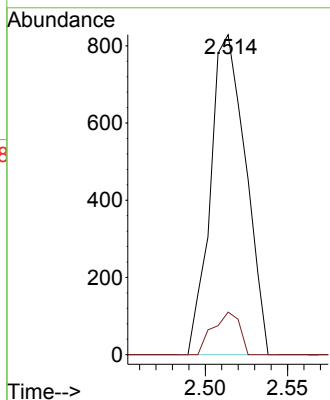


#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Instrument :
MSVOA_X
ClientSampleId :

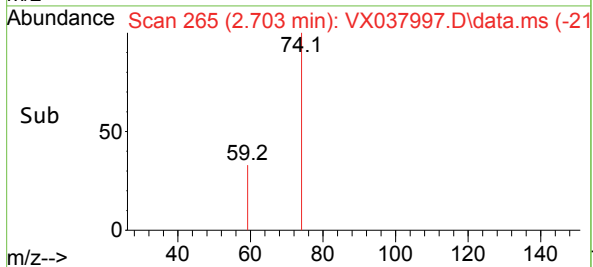
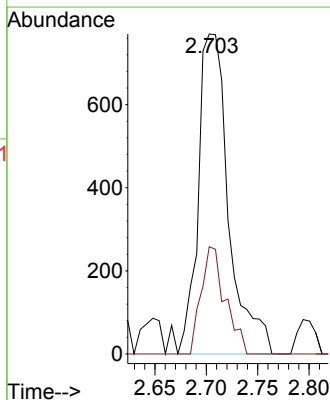
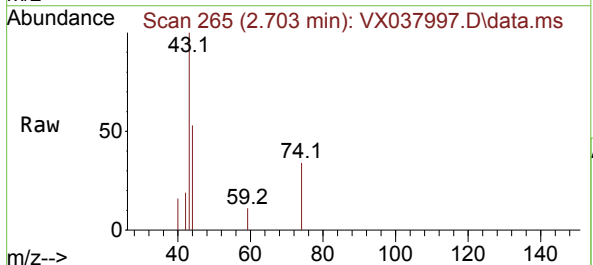


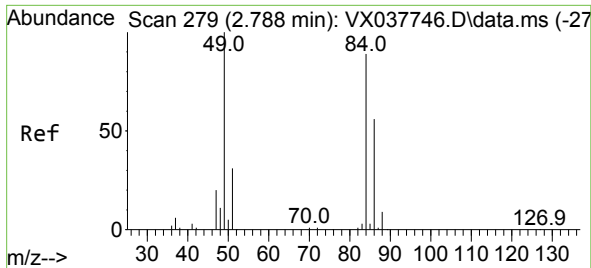
Tgt Ion: 76 Resp: 1238
Ion Ratio Lower Upper
76 100
78 13.3 7.0 10.6#



#18
Methyl Acetate
Concen: 0.303 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

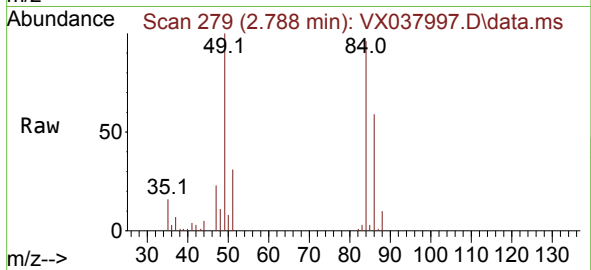
Tgt Ion: 43 Resp: 1592
Ion Ratio Lower Upper
43 100
74 26.6 17.8 26.8



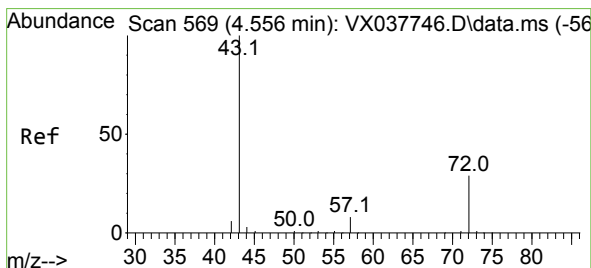
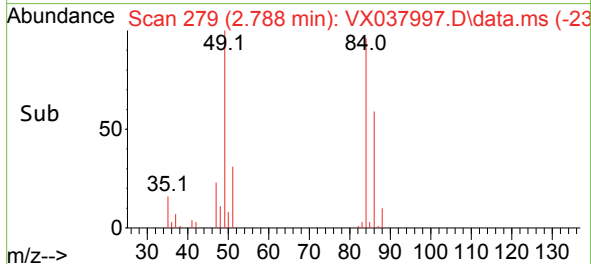
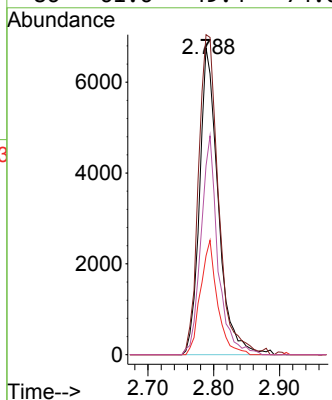


#20
Methylene Chloride
Concen: 4.946 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Instrument :
MSVOA_X
ClientSampleId :

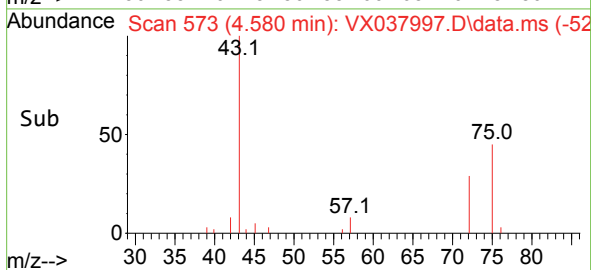
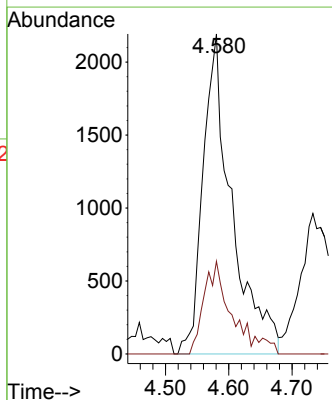
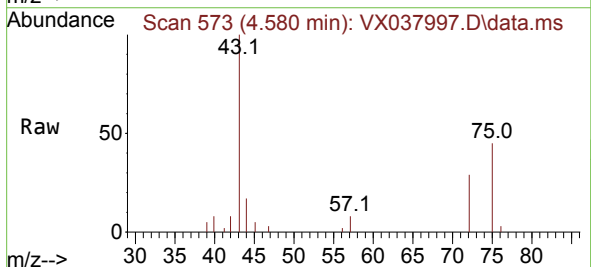


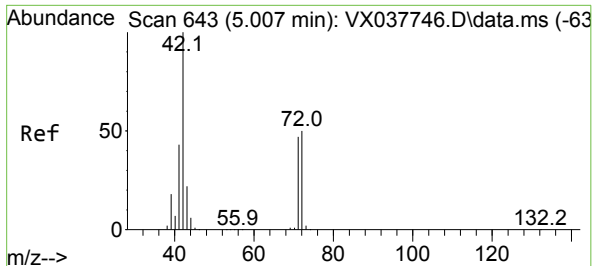
Tgt Ion:	84	Resp:	13388
Ion	Ratio	Lower	Upper
84	100		
49	104.4	103.6	155.4
51	32.3	33.8	50.6#
86	61.6	49.4	74.0



#25
2-Butanone
Concen: 3.376 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Tgt Ion:	43	Resp:	6943
Ion	Ratio	Lower	Upper
43	100		
72	29.0	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.675 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.012 min

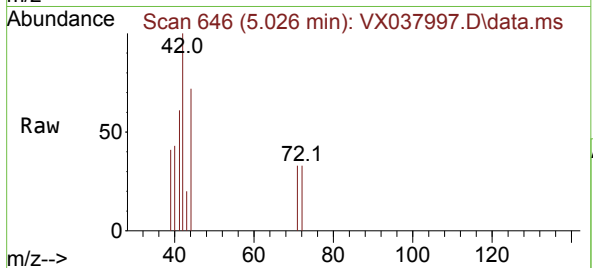
Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :



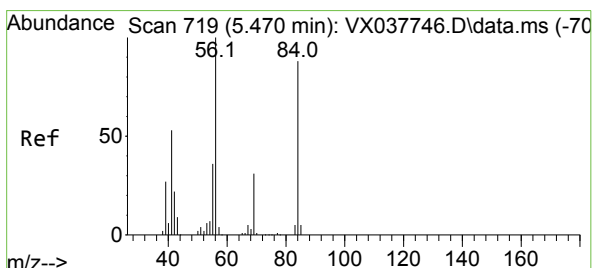
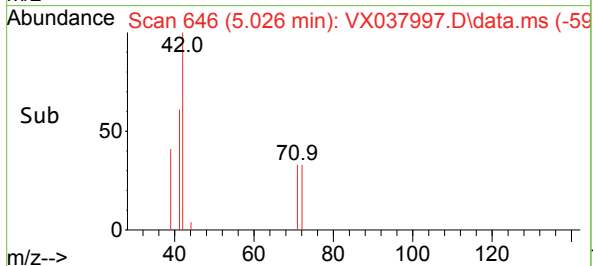
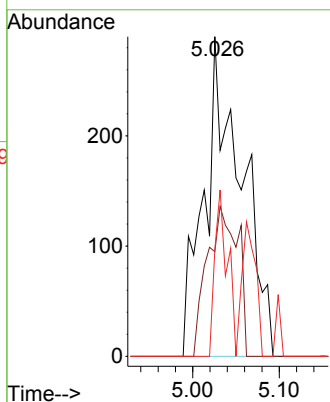
Tgt Ion: 42 Resp: 863

Ion Ratio Lower Upper

42 100

72 38.6 34.2 51.4

71 17.7 32.2 48.2#



#31

Cyclohexane

Concen: 1.340 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

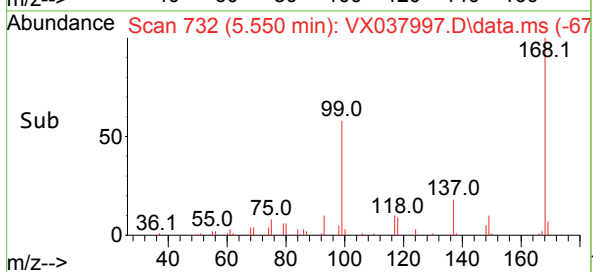
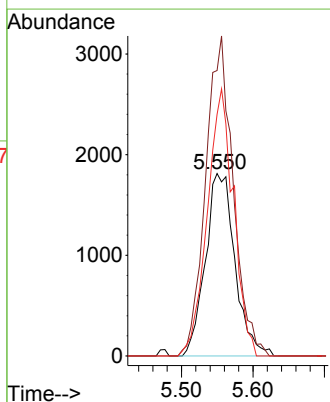
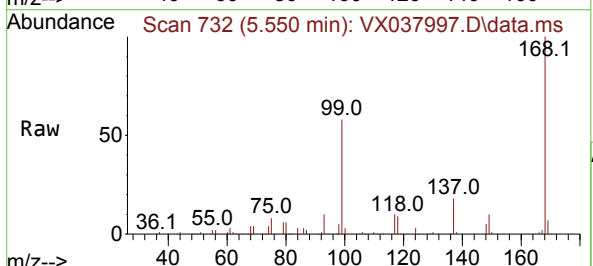
Tgt Ion: 56 Resp: 5209

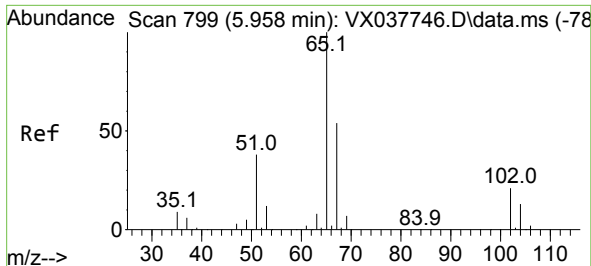
Ion Ratio Lower Upper

56 100

69 156.4 23.4 35.2#

84 132.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.435 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

Instrument :

MSVOA_X

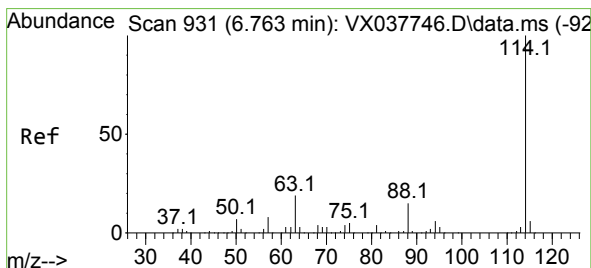
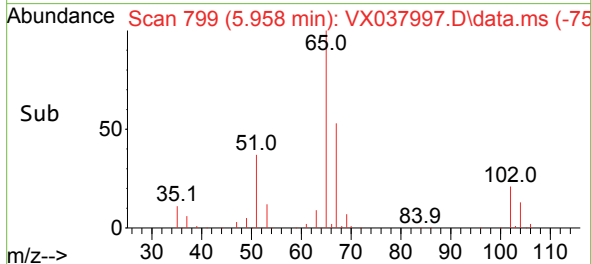
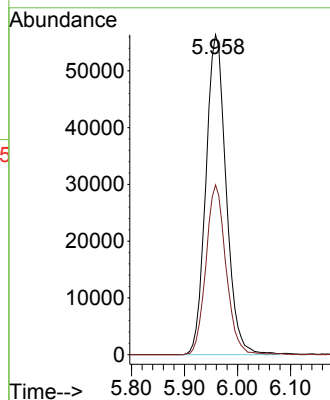
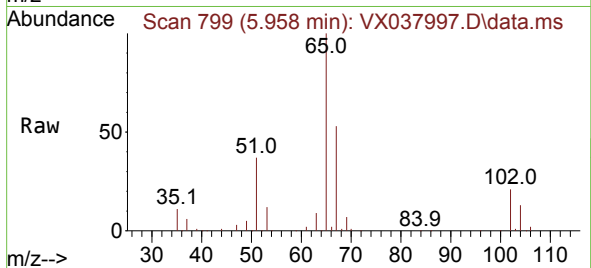
ClientSampleId :

Tgt Ion: 65 Resp: 149774

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

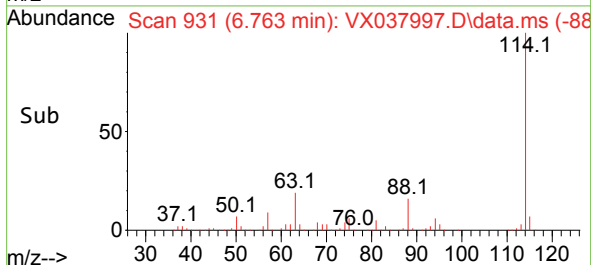
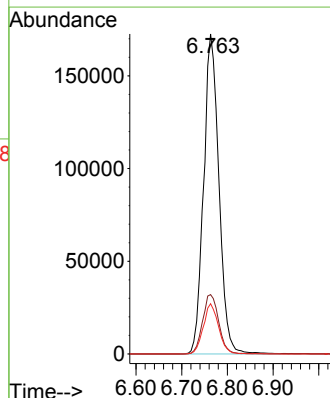
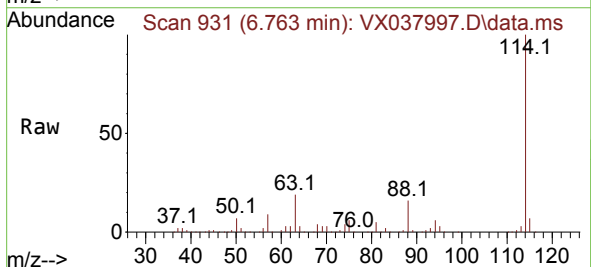
Tgt Ion: 114 Resp: 401488

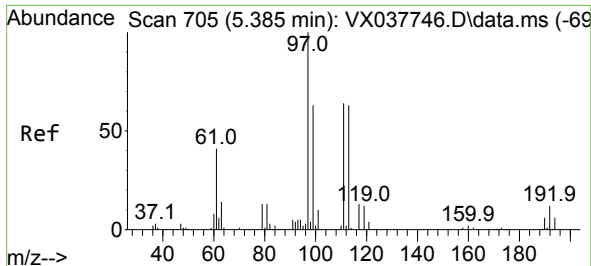
Ion Ratio Lower Upper

114 100

63 18.6 0.0 45.0

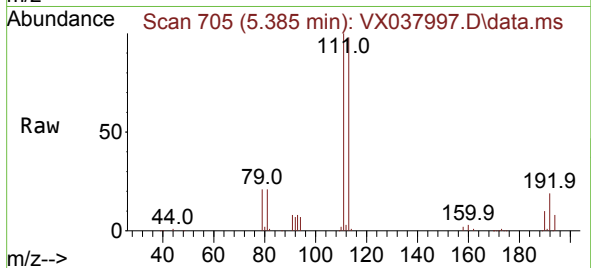
88 15.7 0.0 36.6



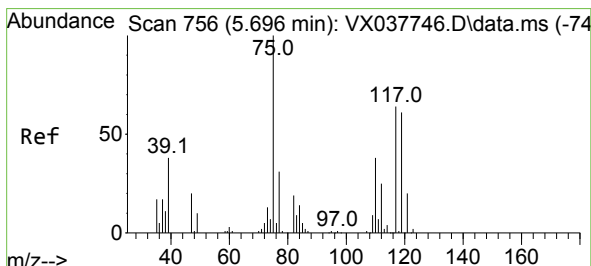
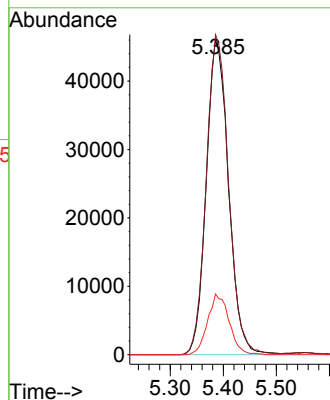
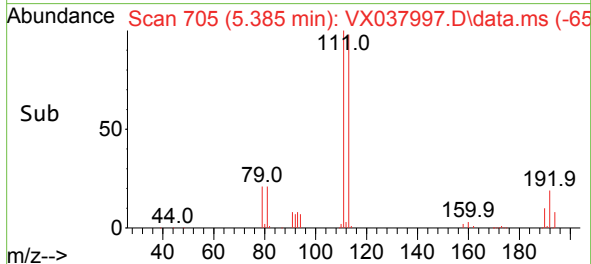


#35
Dibromofluoromethane
Concen: 50.075 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Instrument :
MSVOA_X
ClientSampleId :

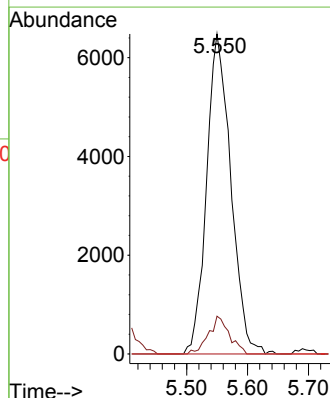
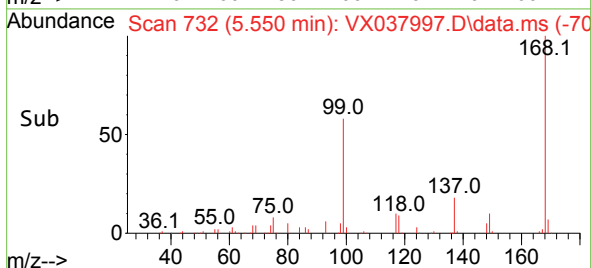
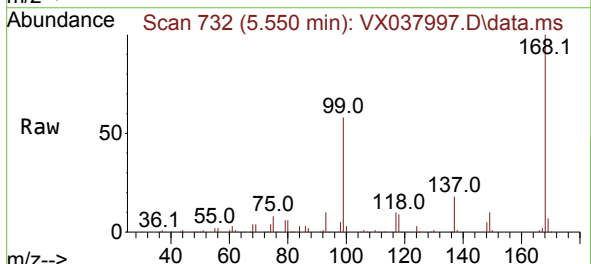


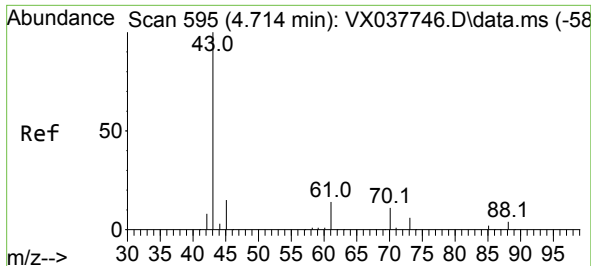
Tgt Ion:113 Resp: 134521
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Tgt Ion: 75 Resp: 17937
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.680 ug/l

RT: 4.733 min Scan# 595

Delta R.T. -0.000 min

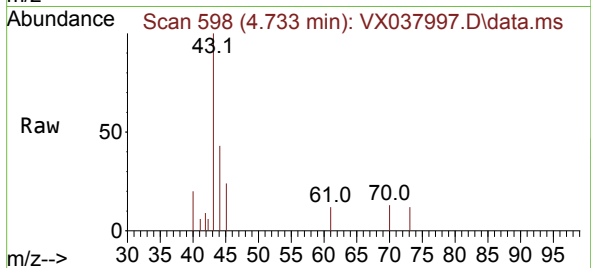
Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :



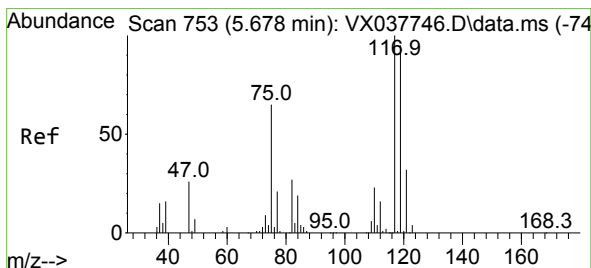
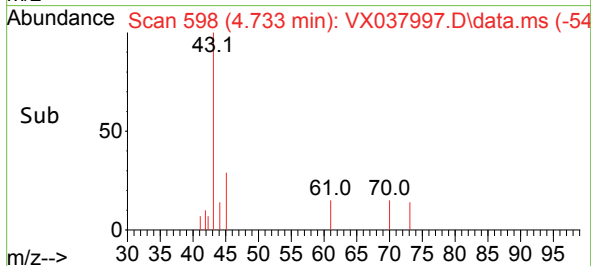
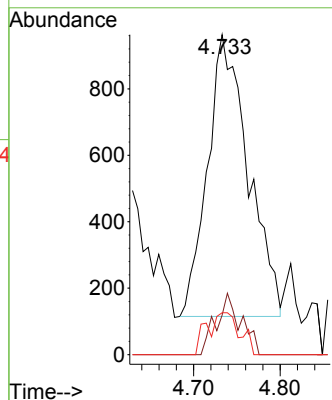
Tgt Ion: 43 Resp: 2768

Ion Ratio Lower Upper

43 100

61 13.3 10.6 16.0

70 11.9 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.054 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

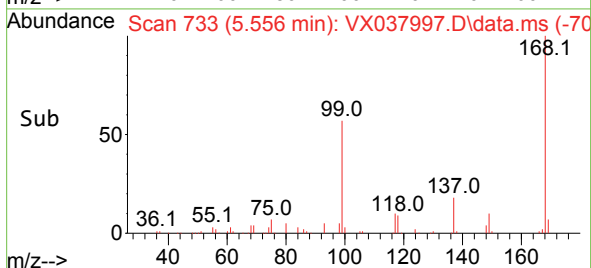
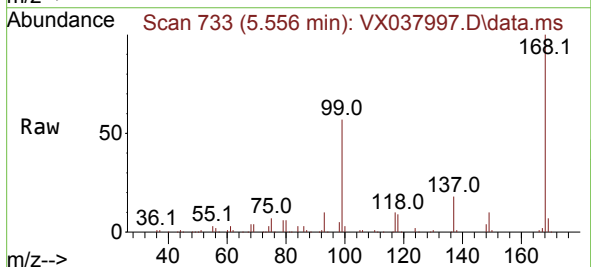
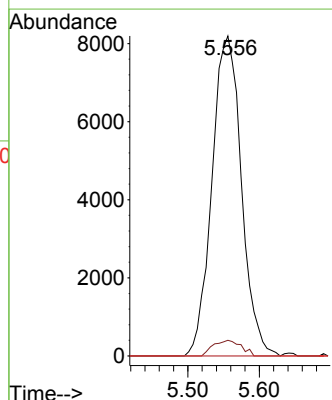
Tgt Ion: 117 Resp: 23442

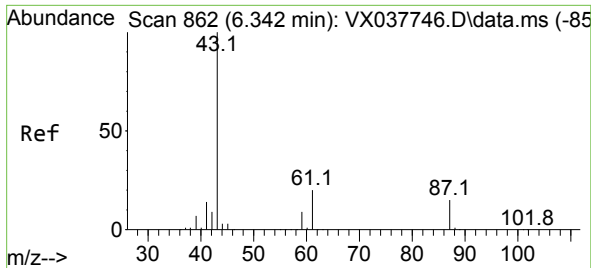
Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.2#

121 0.0 24.4 36.6#

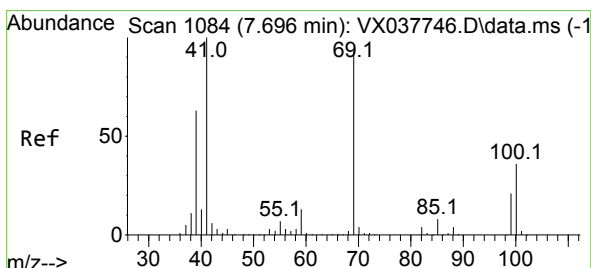
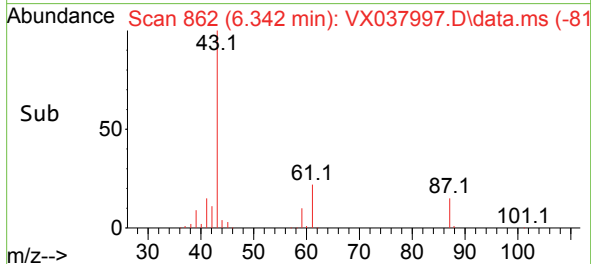
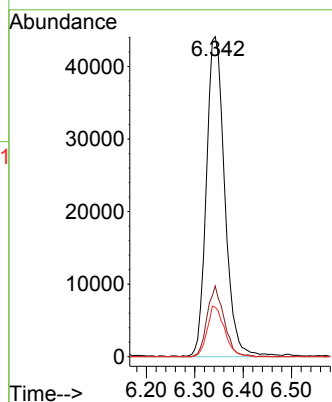
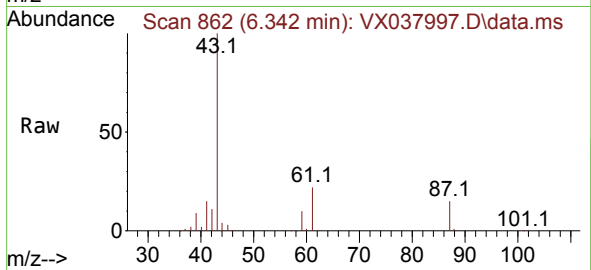




#43
Isopropyl Acetate
Concen: 17.893 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

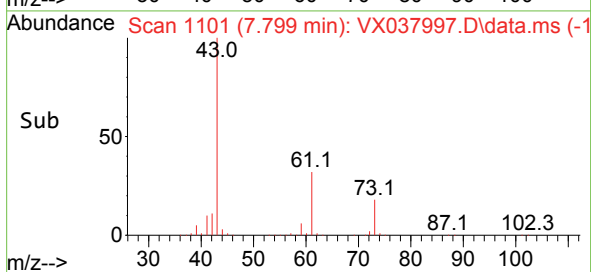
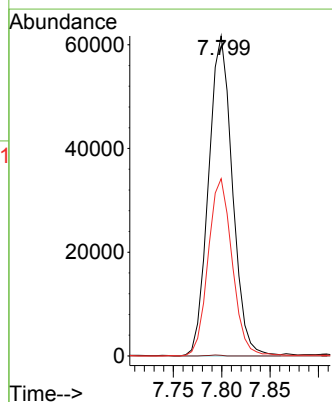
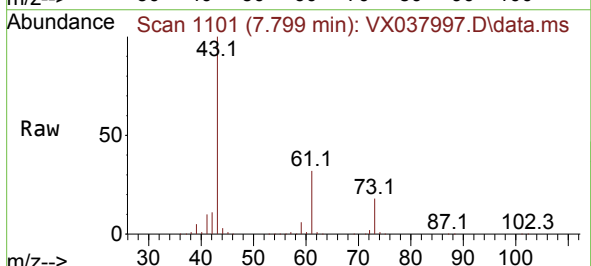
Instrument :
MSVOA_X
ClientSampleId :

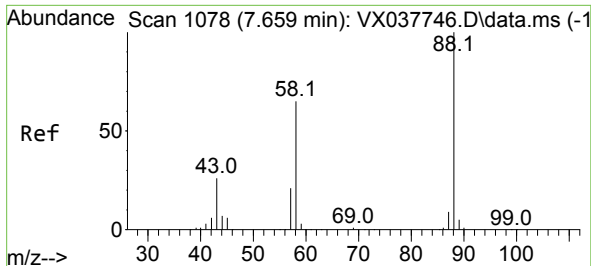
Tgt Ion: 43 Resp: 116395
Ion Ratio Lower Upper
43 100
61 20.3 15.2 22.8
87 14.9 9.8 14.6#



#48
Methyl methacrylate
Concen: 34.056 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.098 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Tgt Ion: 41 Resp: 105905
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.8 47.7 71.5





#49

1,4-Dioxane

Concen: 2.073 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

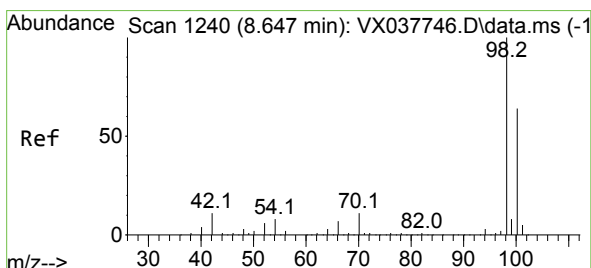
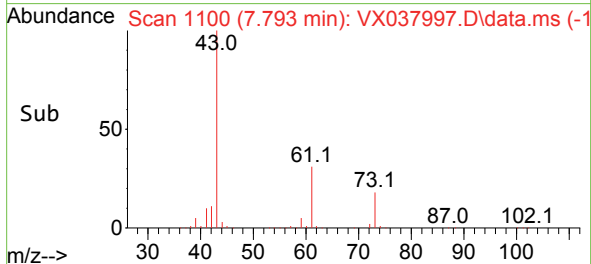
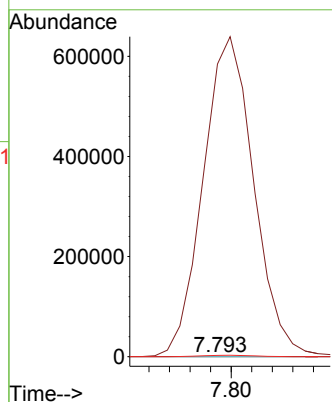
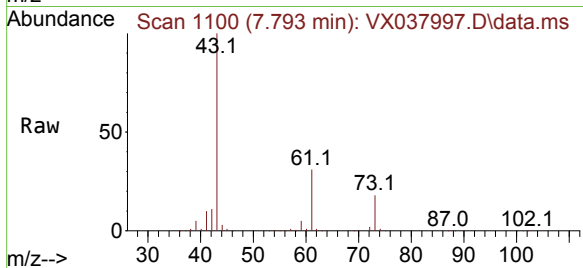
Tgt Ion: 88 Resp: 169

Ion Ratio Lower Upper

88 100

43 653455.6 0.0 0.0#

58 3132.0 60.1 90.1#



#50

Toluene-d8

Concen: 54.027 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037997.D

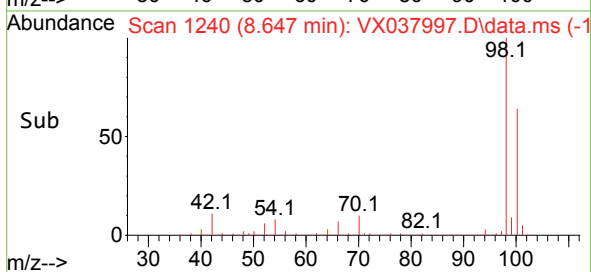
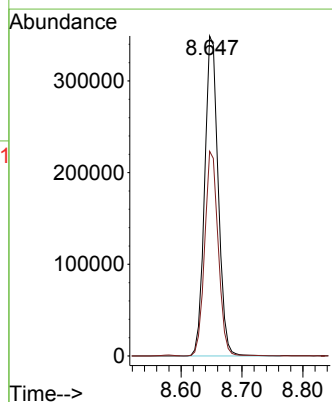
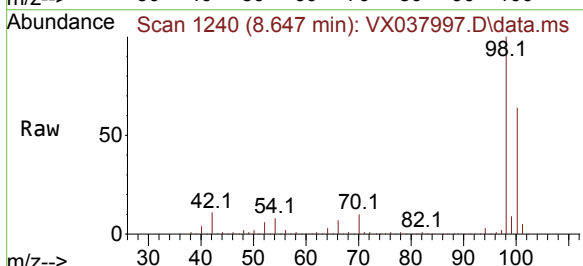
Acq: 30 Sep 2023 12:35

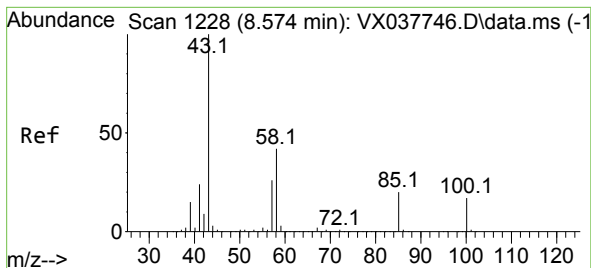
Tgt Ion: 98 Resp: 539270

Ion Ratio Lower Upper

98 100

100 64.0 53.1 79.7

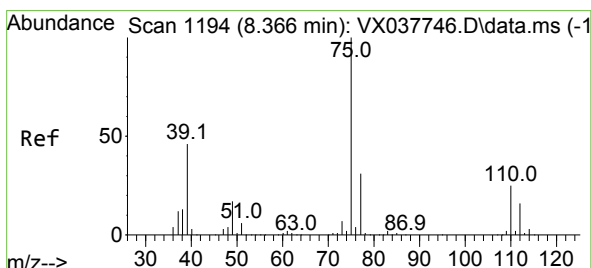
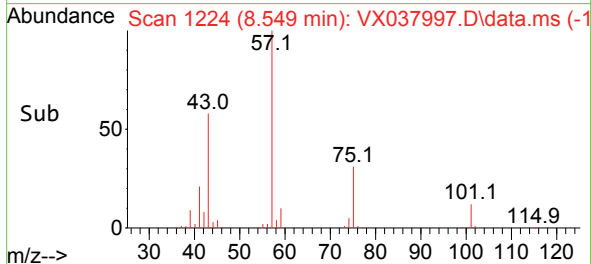
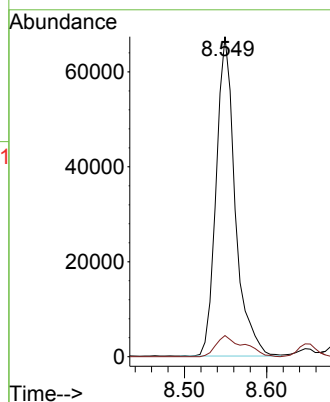
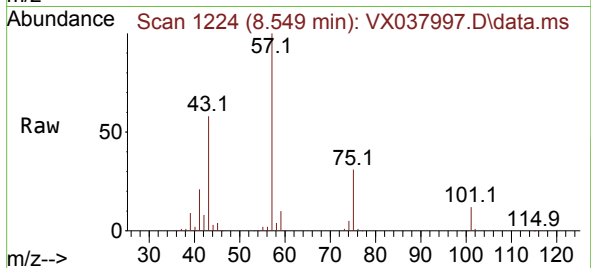




#51
4-Methyl-2-Pentanone
Concen: 26.189 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

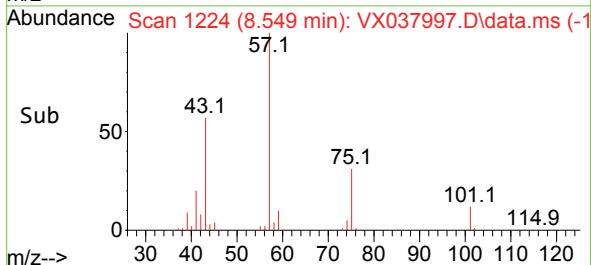
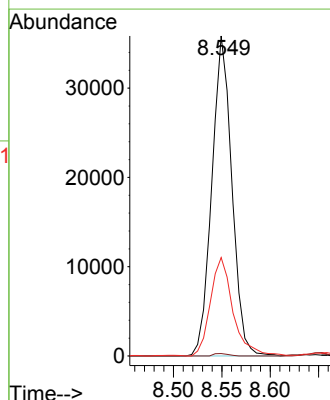
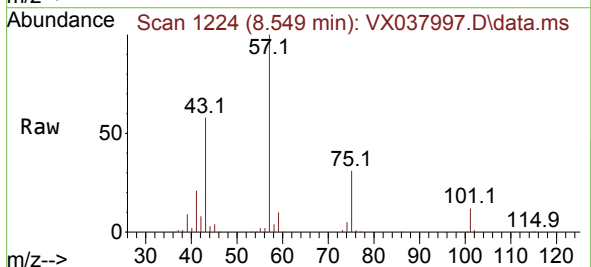
Instrument :
MSVOA_X
ClientSampleId :

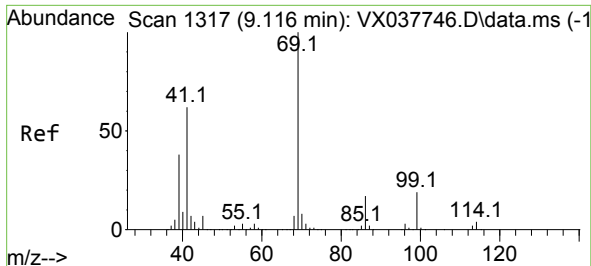
Tgt Ion: 43 Resp: 108089
Ion Ratio Lower Upper
43 100
58 9.6 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 11.403 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Tgt Ion: 75 Resp: 51666
Ion Ratio Lower Upper
75 100
77 0.8 25.3 37.9#
39 30.6 46.7 70.1#

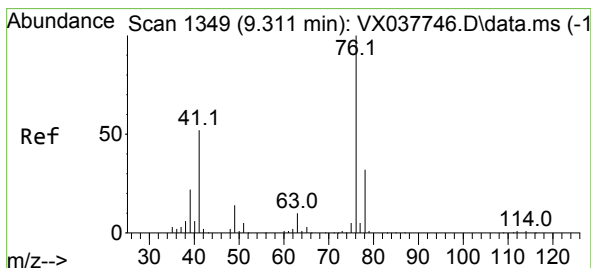
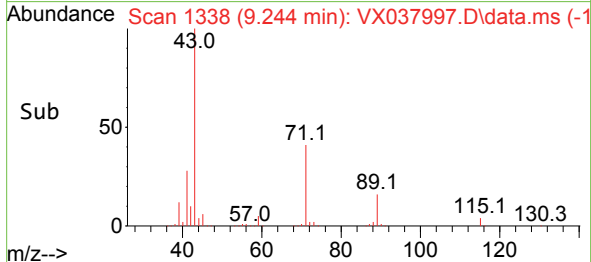
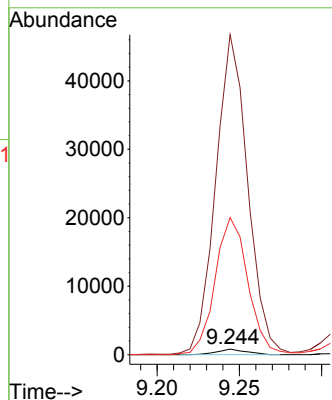
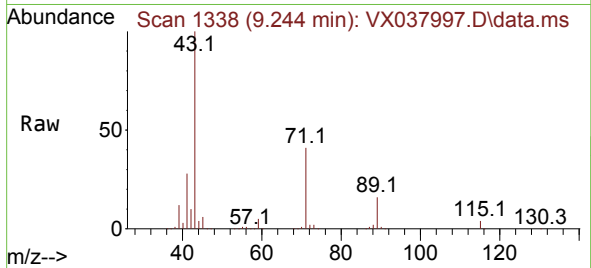




#56
Ethyl methacrylate
Concen: 0.217 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

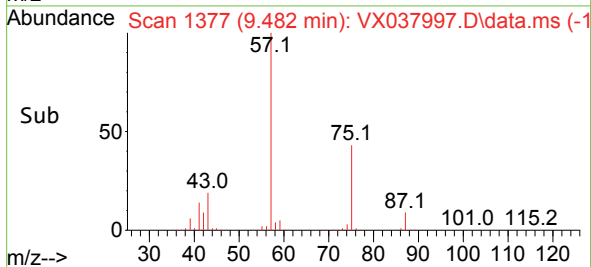
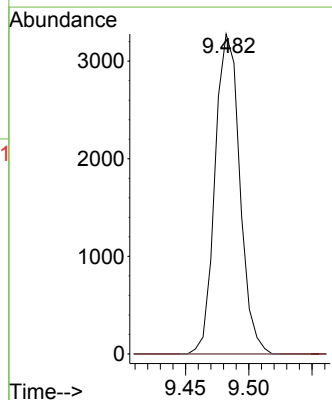
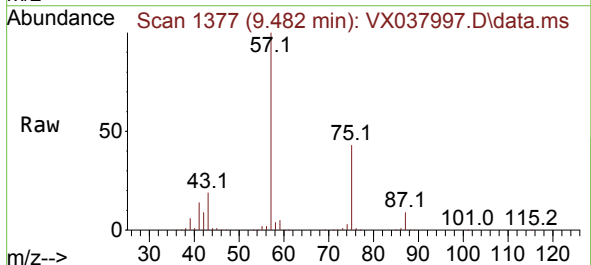
Instrument :
MSVOA_X
ClientSampleId :

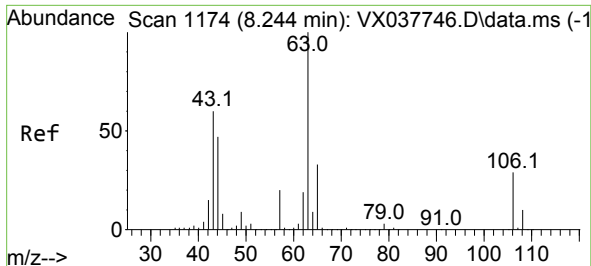
Tgt Ion: 69 Resp: 1002
Ion Ratio Lower Upper
69 100
41 6329.9 56.8 85.2#
39 2775.2 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 0.891 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Tgt Ion: 76 Resp: 4456
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

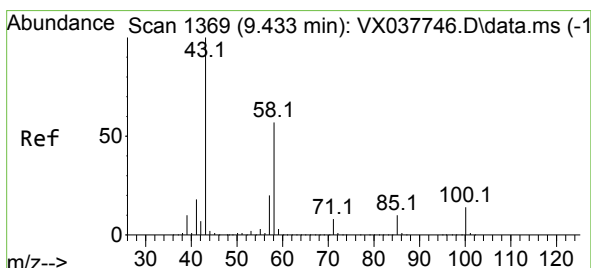
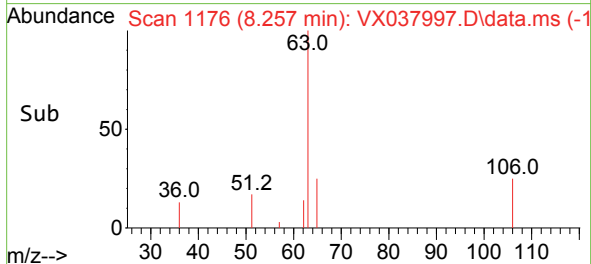
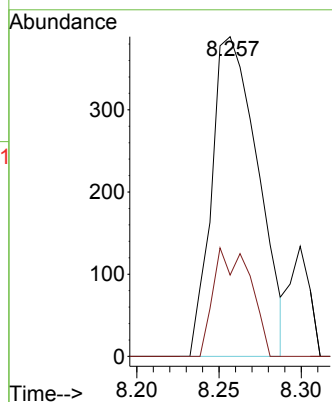
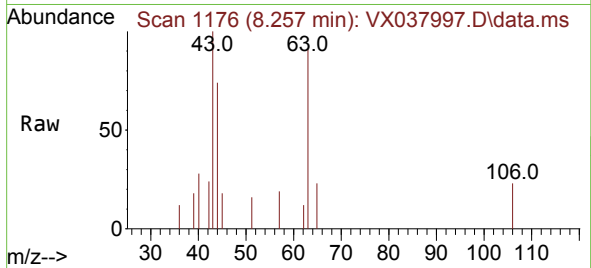




#58
2-Chloroethyl Vinyl ether
Concen: 0.353 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

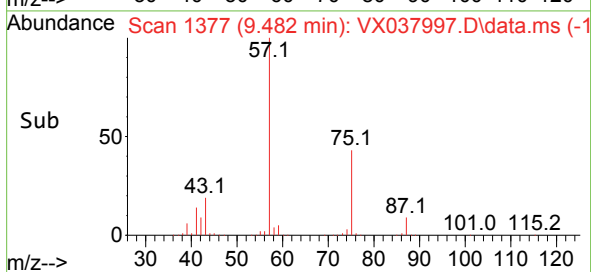
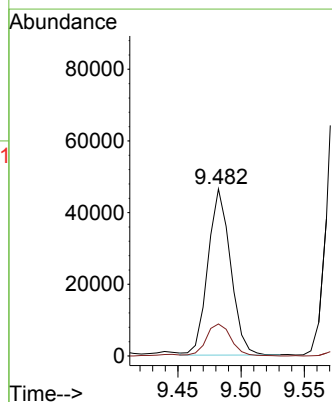
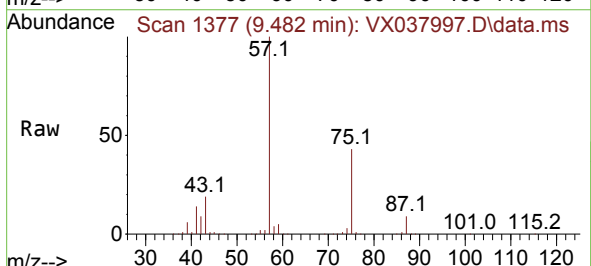
Instrument :
MSVOA_X
ClientSampleId :

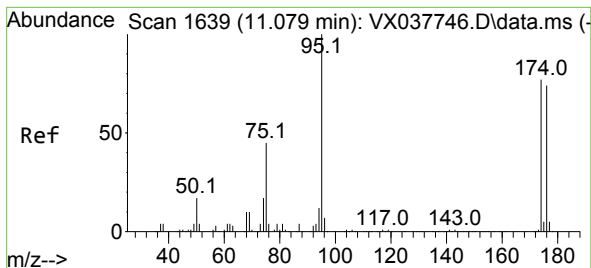
Tgt Ion: 63 Resp: 761
Ion Ratio Lower Upper
63 100
106 27.1 22.5 33.7



#59
2-Hexanone
Concen: 18.024 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

Tgt Ion: 43 Resp: 57922
Ion Ratio Lower Upper
43 100
58 22.3 26.2 78.5#

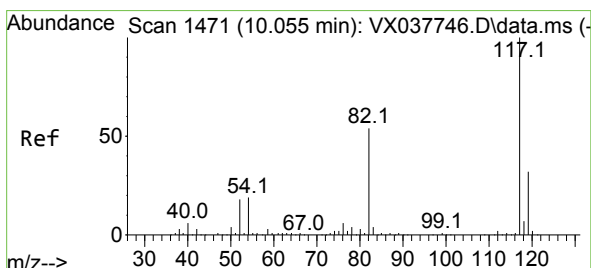
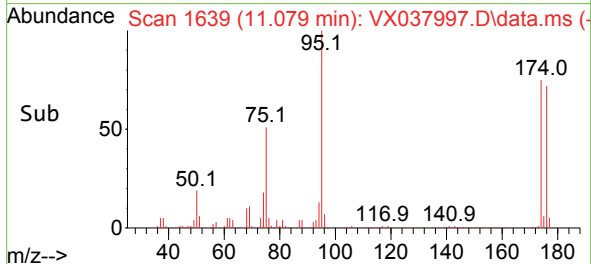
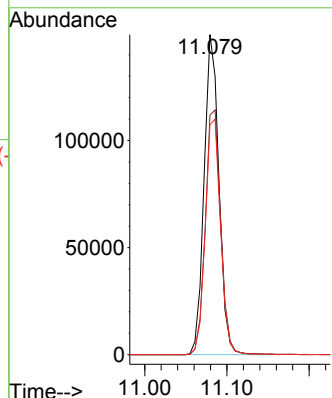
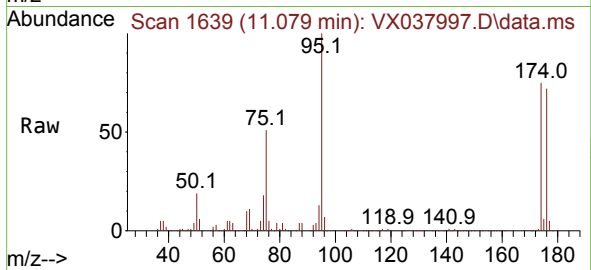




#62
4-Bromofluorobenzene
Concen: 51.561 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

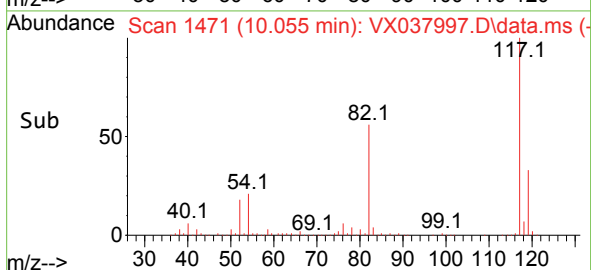
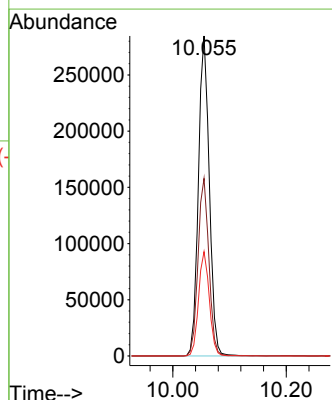
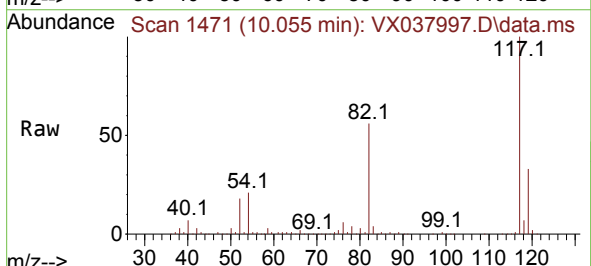
Instrument :
MSVOA_X
ClientSampleId :

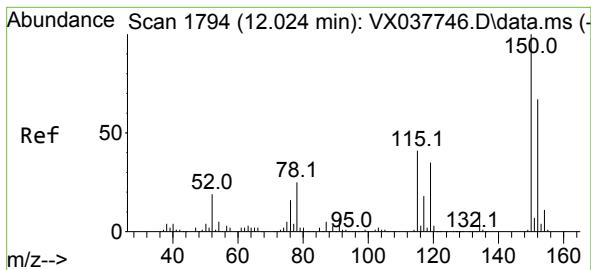
Tgt Ion: 95 Resp: 187017
Ion Ratio Lower Upper
95 100
174 79.7 0.0 135.6
176 76.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037997.D
Acq: 30 Sep 2023 12:35

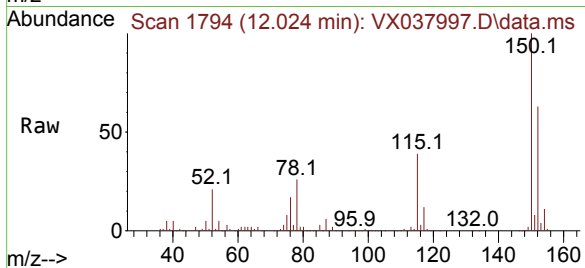
Tgt Ion: 117 Resp: 379533
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 32.6 25.5 38.3



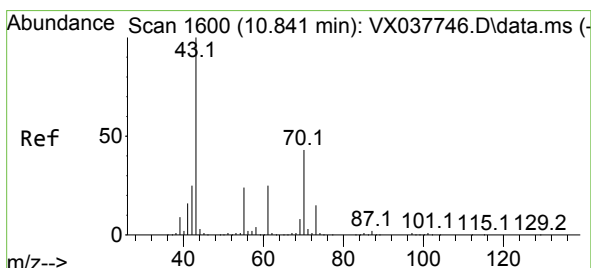
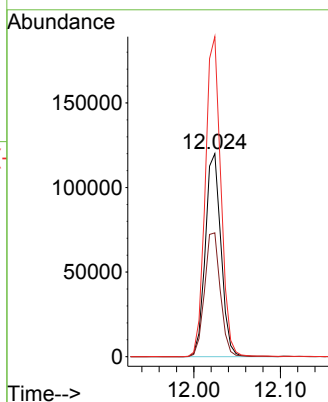
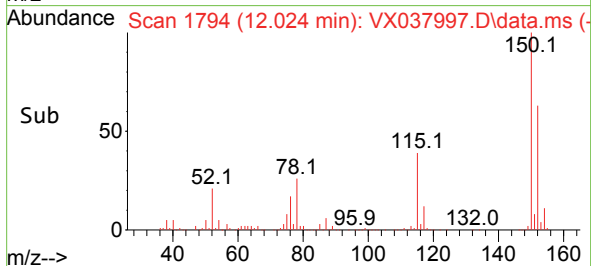


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX037997.D
 Acq: 30 Sep 2023 12:35

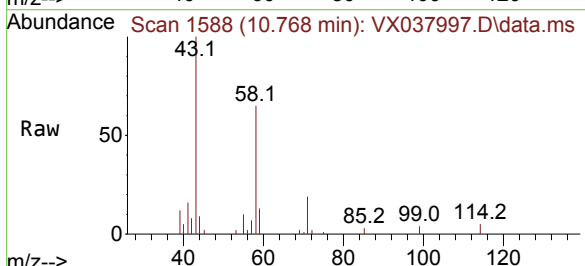
Instrument :
 MSVOA_X
 ClientSampleId :



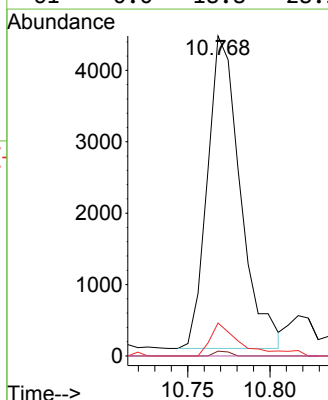
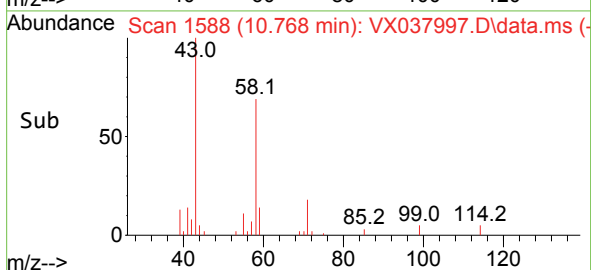
Tgt Ion:152 Resp: 151055
 Ion Ratio Lower Upper
 152 100
 115 61.5 43.3 129.9
 150 156.4 0.0 345.0

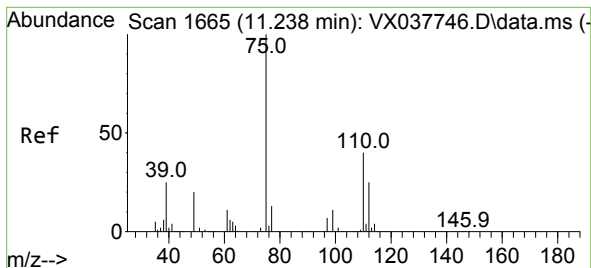


#74
 N-ethyl acetate
 Concen: 1.357 ug/l
 RT: 10.768 min Scan# 1588
 Delta R.T. -0.079 min
 Lab File: VX037997.D
 Acq: 30 Sep 2023 12:35



Tgt Ion: 43 Resp: 6091
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 10.1 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 27.383 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

Instrument :

MSVOA_X

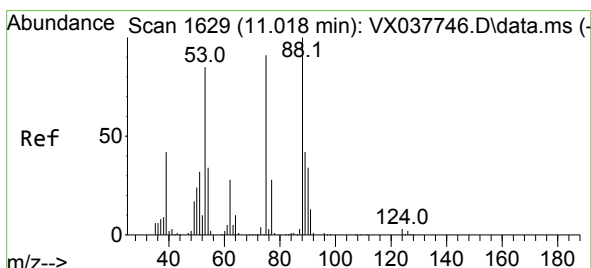
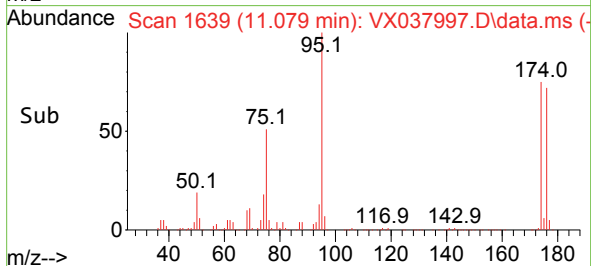
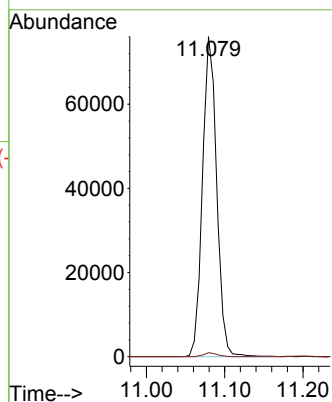
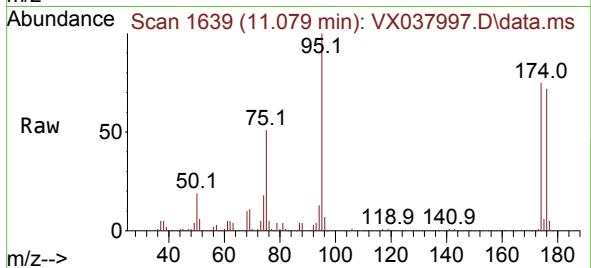
ClientSampleId :

Tgt Ion: 75 Resp: 95670

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.718 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

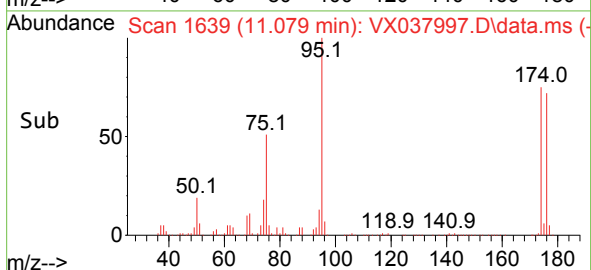
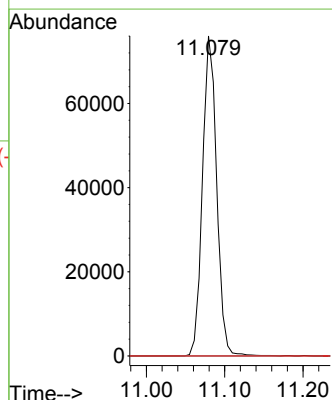
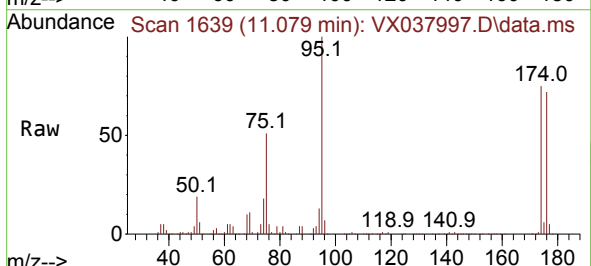
Tgt Ion: 75 Resp: 95670

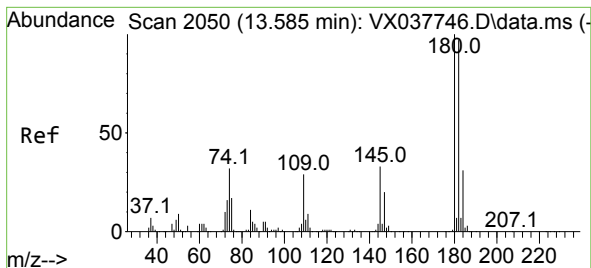
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.299 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

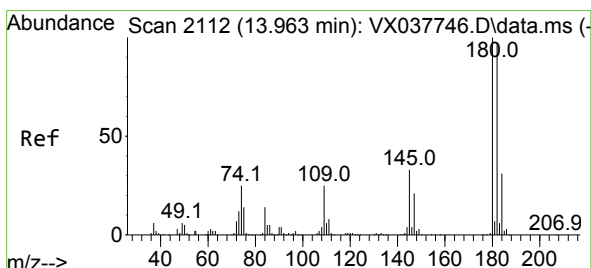
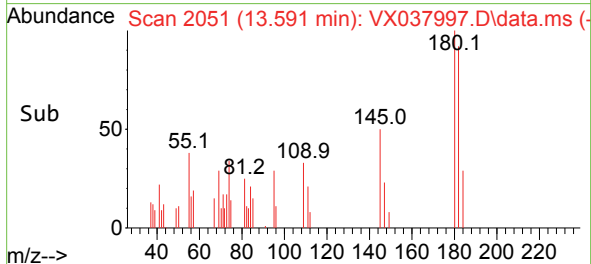
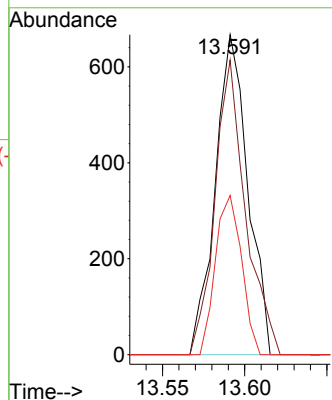
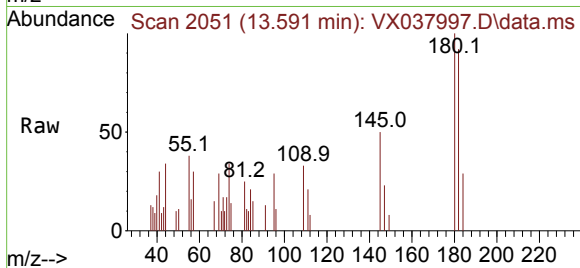
Tgt Ion:180 Resp: 918

Ion Ratio Lower Upper

180 100

182 86.4 48.3 144.8

145 40.0 18.0 54.0



#96

1,2,3-Trichlorobenzene

Concen: 0.225 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037997.D

Acq: 30 Sep 2023 12:35

Tgt Ion:180 Resp: 713

Ion Ratio Lower Upper

180 100

182 79.2 46.9 140.6

145 29.9 17.8 53.5

