

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092623\
 Data File : VX037908.D
 Acq On : 26 Sep 2023 14:43
 Operator : JC/MD
 Sample : PB155811TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

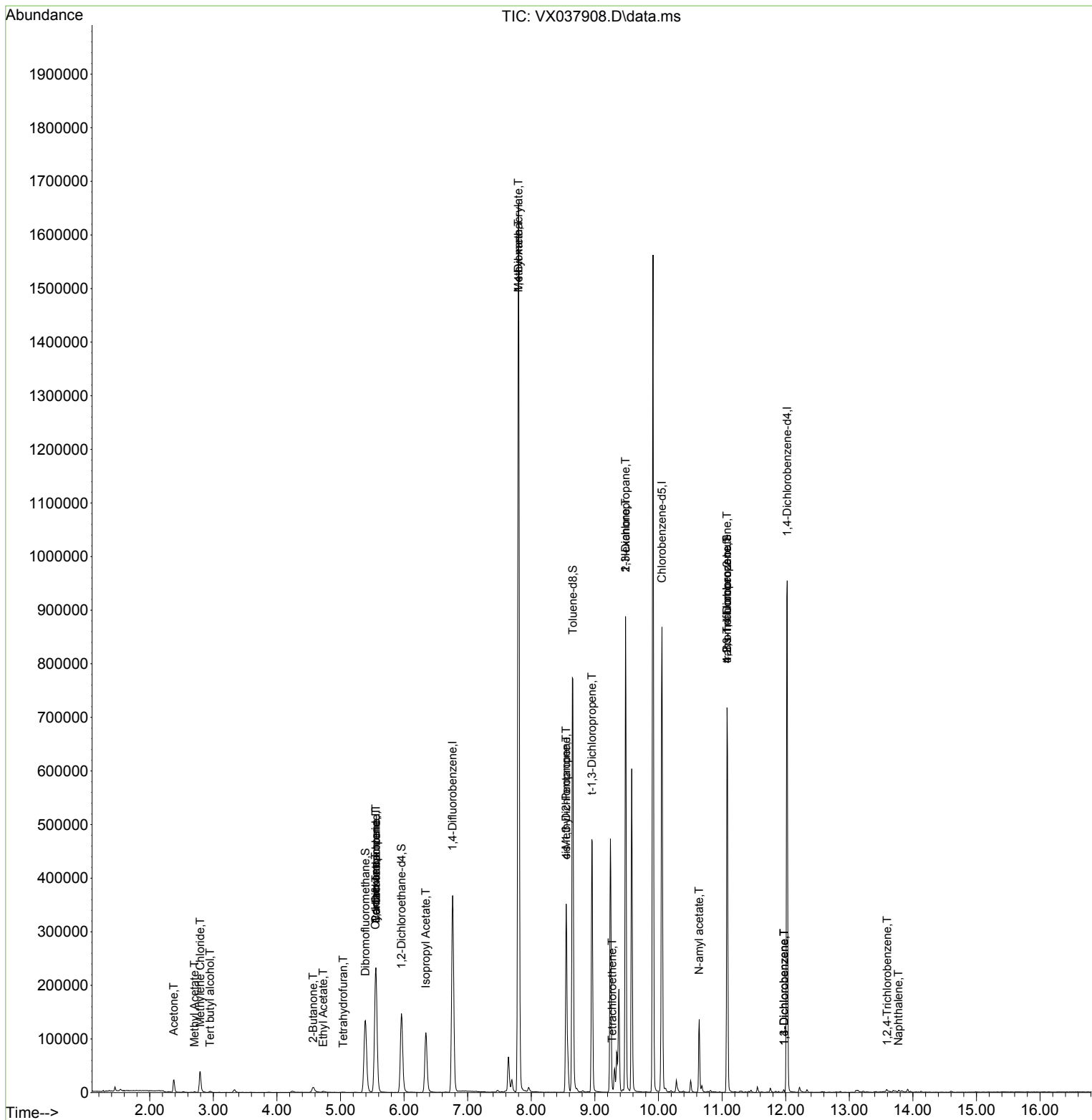
Quant Time: Sep 27 01:15:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

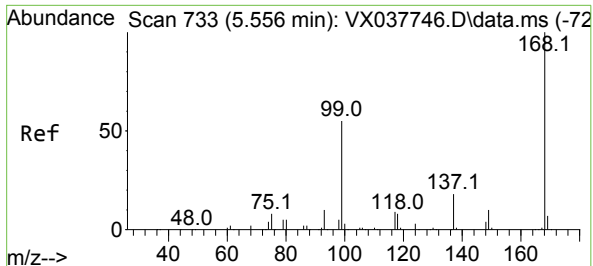
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	223177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	383427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	202534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139417	47.547	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.100%		
35) Dibromofluoromethane	5.391	113	119534	46.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.180%		
50) Toluene-d8	8.653	98	483115	50.681	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.360%		
62) 4-Bromofluorobenzene	11.079	95	183095	52.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.720%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	1835	2.916	ug/l #	78
16) Acetone	2.380	43	24943	17.683	ug/l	91
18) Methyl Acetate	2.703	43	1573	0.309	ug/l	98
20) Methylene Chloride	2.794	84	19778	7.563	ug/l	87
25) 2-Butanone	4.568	43	12890	6.476	ug/l	97
29) Tetrahydrofuran	5.044	42	604	0.488	ug/l #	44
31) Cyclohexane	5.550	56	4743	1.260	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17513	4.955	ug/l #	50
37) Ethyl Acetate	4.727	43	3540	0.911	ug/l	95
38) Carbon Tetrachloride	5.556	117	23144	6.259	ug/l #	14
43) Isopropyl Acetate	6.342	43	150149	24.168	ug/l	96
48) Methyl methacrylate	7.799	41	140022	47.147	ug/l #	49
49) 1,4-Dioxane	7.799	88	157	2.016	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	138080	35.031	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	1220	0.312	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	56583	13.077	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	7378	1.544	ug/l #	42
59) 2-Hexanone	9.482	43	93250	30.385	ug/l #	56
64) Tetrachloroethene	9.275	164	563	0.213	ug/l #	70
74) N-amyl acetate	10.640	43	31798	5.284	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	94344	20.140	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	94344	64.516	ug/l #	5
87) 1,3-Dichlorobenzene	11.975	146	1533	0.224	ug/l	97
88) 1,4-Dichlorobenzene	11.975	146	1533	0.219	ug/l	96
93) 1,2,4-Trichlorobenzene	13.597	180	894	0.217	ug/l	92
95) Naphthalene	13.774	128	2894	0.208	ug/l	100

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

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QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration

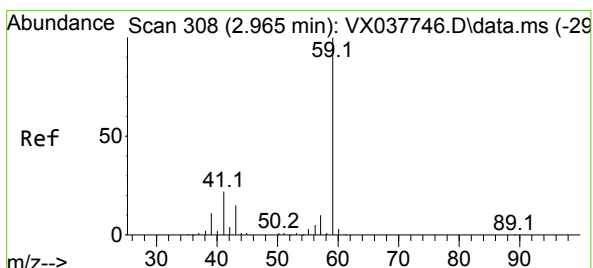
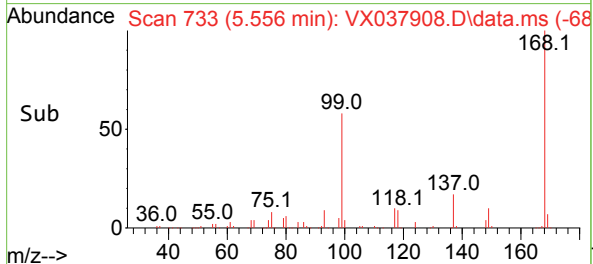
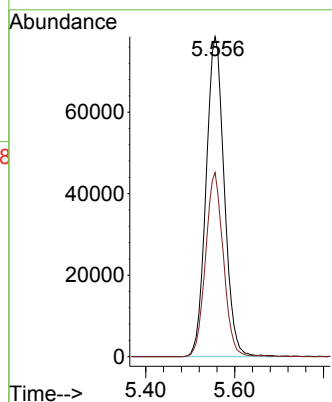
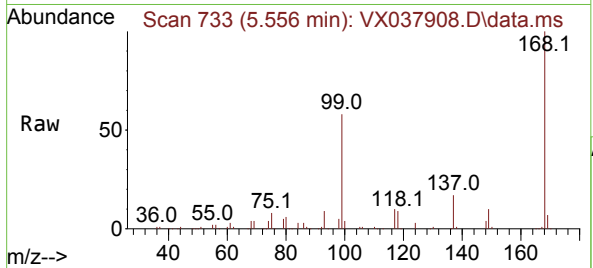




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

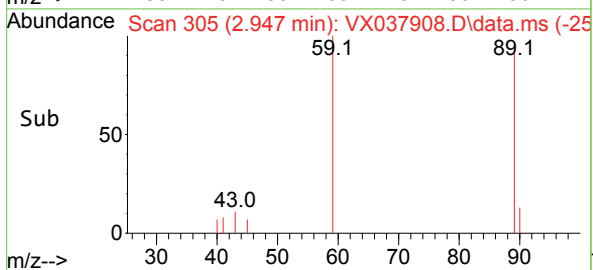
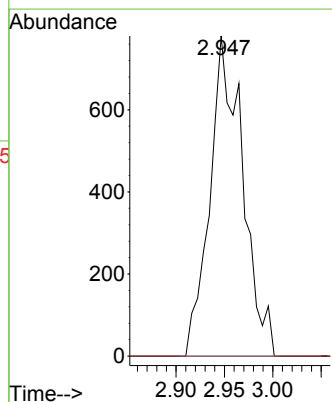
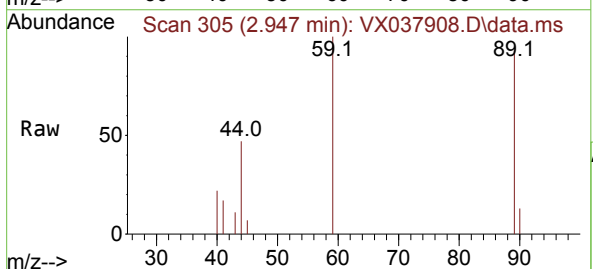
Instrument :
MSVOA_X
ClientSampleId :

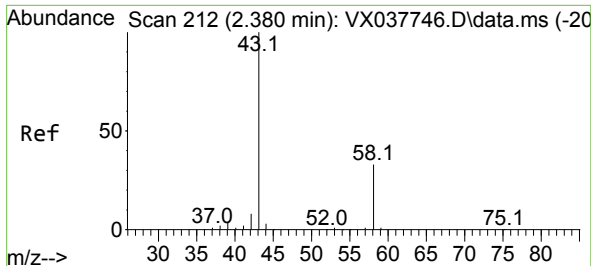
Tgt Ion:168 Resp: 223177
Ion Ratio Lower Upper
168 100
99 57.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.916 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Tgt Ion: 59 Resp: 1835
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

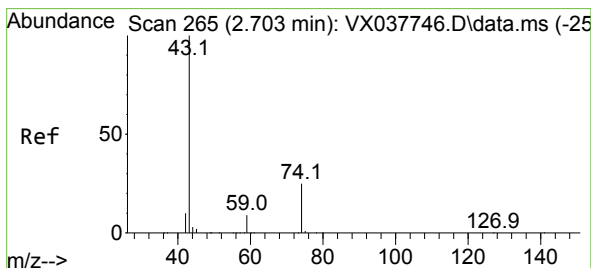
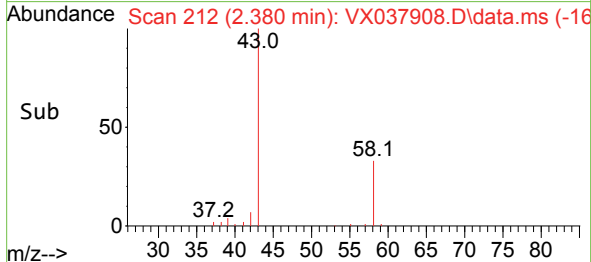
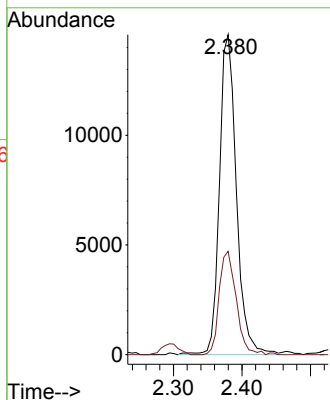
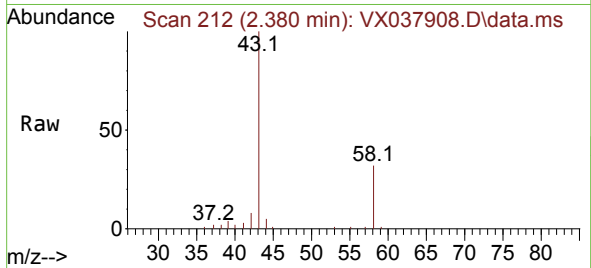




#16
Acetone
Concen: 17.683 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

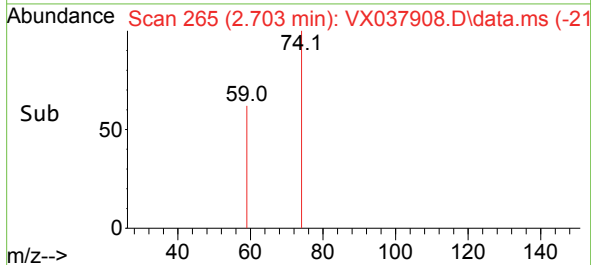
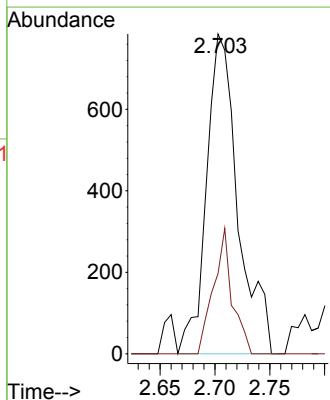
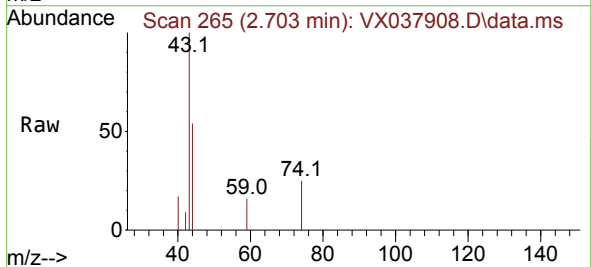
Instrument :
MSVOA_X
ClientSampleId :

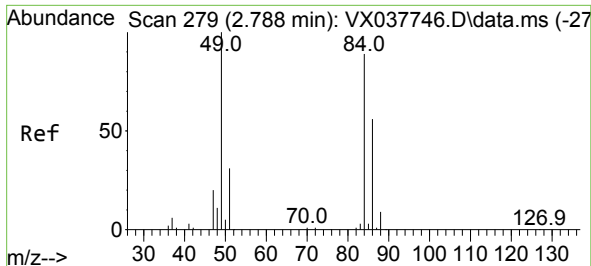
Tgt Ion: 43 Resp: 24943
Ion Ratio Lower Upper
43 100
58 32.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.309 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

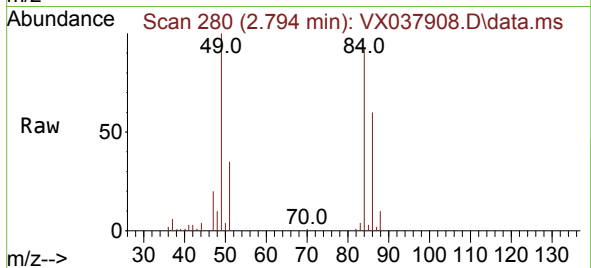
Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
74 23.2 17.8 26.8



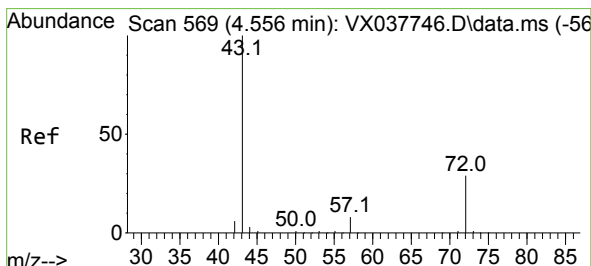
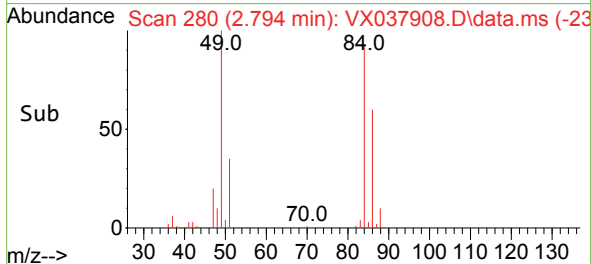
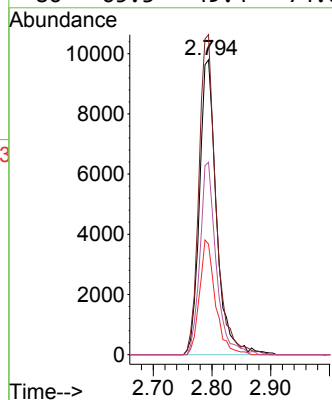


#20
Methylene Chloride
Concen: 7.563 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :

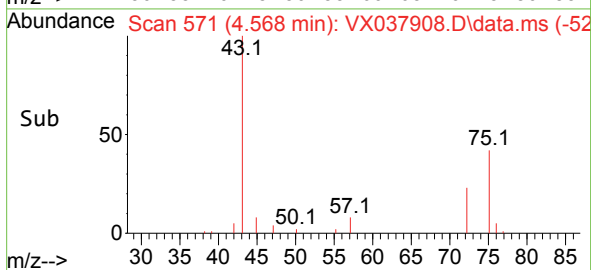
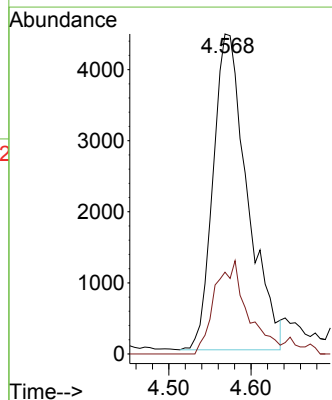
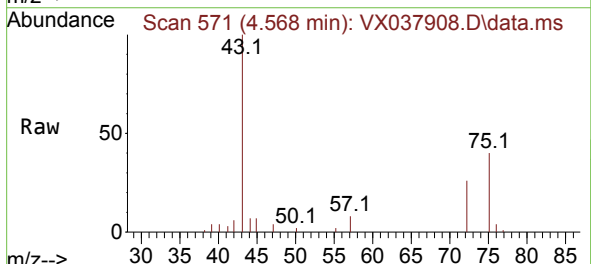


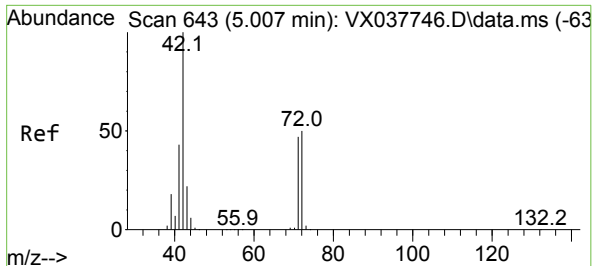
Tgt Ion:	84	Resp:	19778
Ion	Ratio	Lower	Upper
84	100		
49	108.5	103.6	155.4
51	37.5	33.8	50.6
86	65.3	49.4	74.0



#25
2-Butanone
Concen: 6.476 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Tgt Ion:	43	Resp:	12890
Ion	Ratio	Lower	Upper
43	100		
72	25.9	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.488 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.030 min

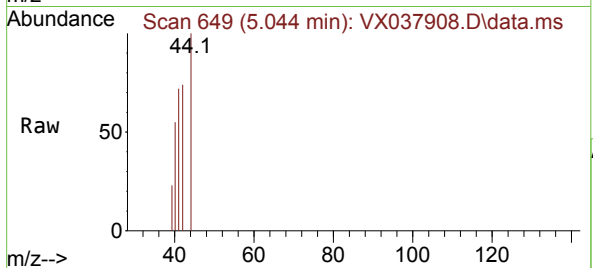
Lab File: VX037908.D

Acq: 26 Sep 2023 14:43

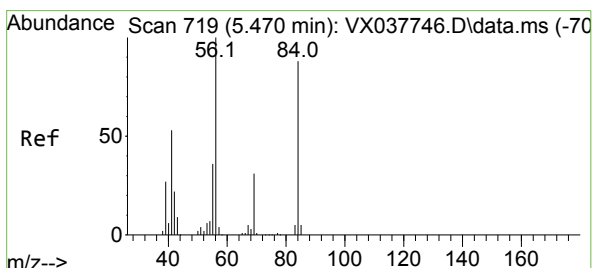
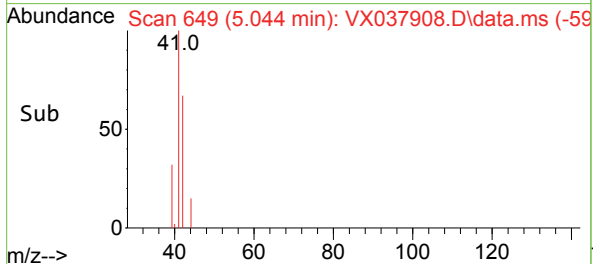
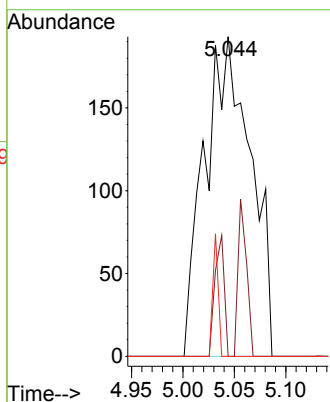
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	604
Ion	Ratio	Lower	Upper
42	100		
72	7.6	34.2	51.4#
71	4.5	32.2	48.2#



#31

Cyclohexane

Concen: 1.260 ug/l

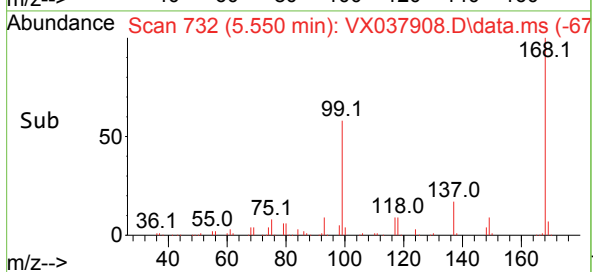
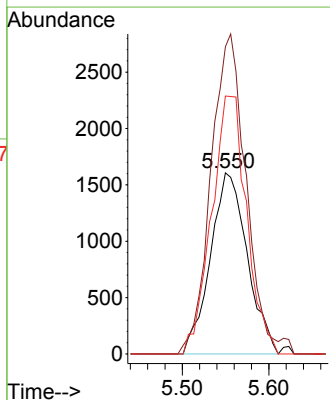
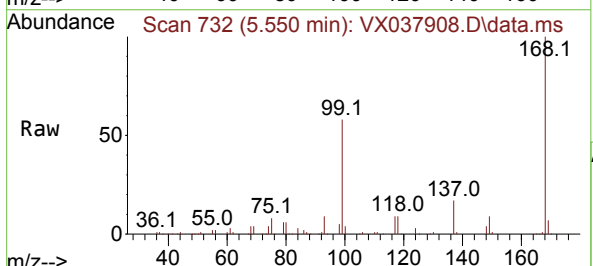
RT: 5.550 min Scan# 732

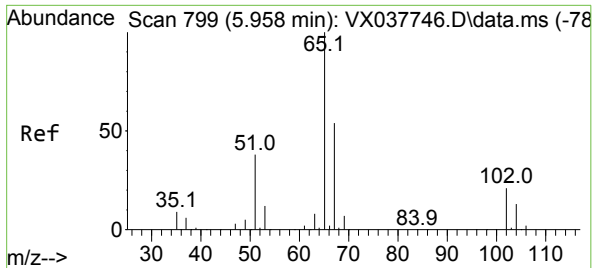
Delta R.T. 0.079 min

Lab File: VX037908.D

Acq: 26 Sep 2023 14:43

Tgt Ion:	56	Resp:	4743
Ion	Ratio	Lower	Upper
56	100		
69	169.6	23.4	35.2#
84	142.4	65.9	98.9#

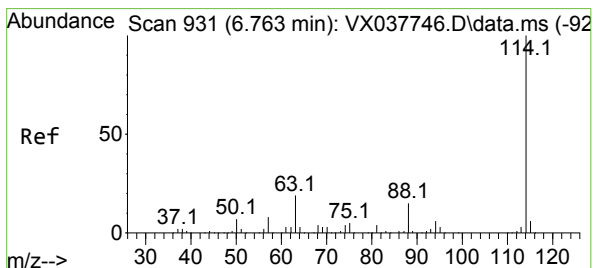
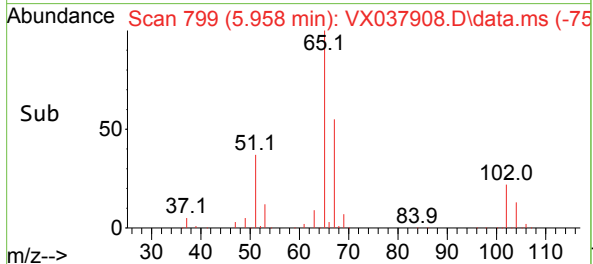
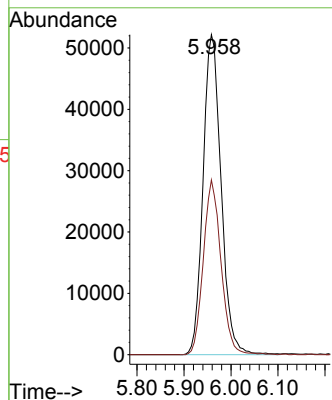
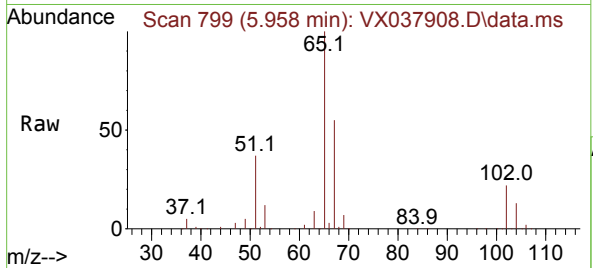




#33
1,2-Dichloroethane-d4
Concen: 47.547 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

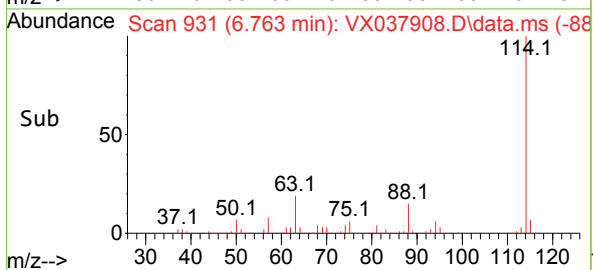
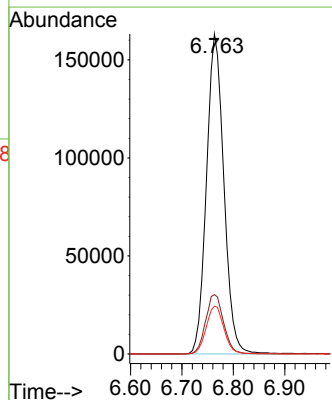
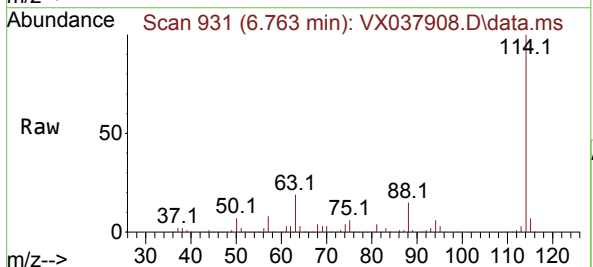
Instrument :
MSVOA_X
ClientSampleId :

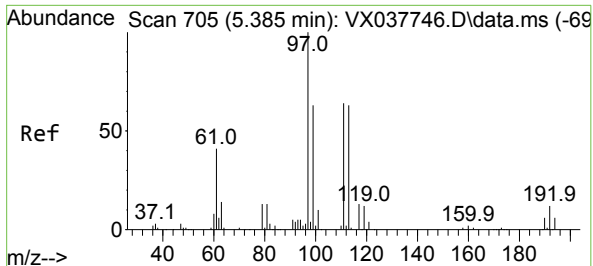
Tgt Ion: 65 Resp: 139417
Ion Ratio Lower Upper
65 100
67 53.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

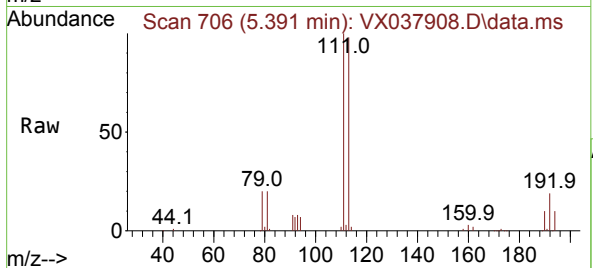
Tgt Ion:114 Resp: 383427
Ion Ratio Lower Upper
114 100
63 18.5 0.0 45.0
88 15.0 0.0 36.6



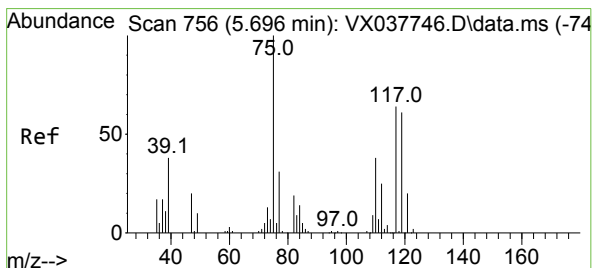
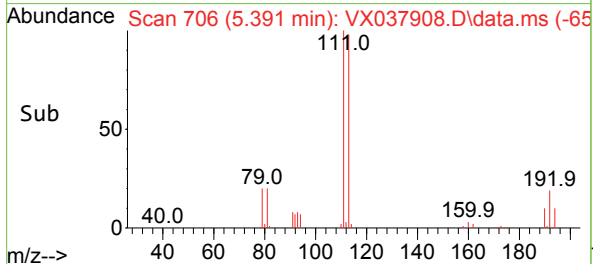
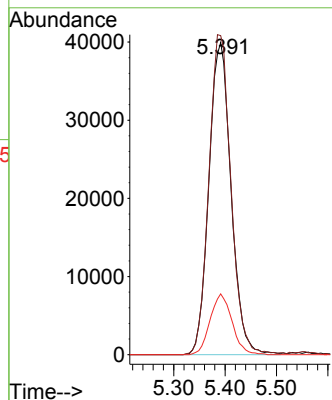


#35
Dibromofluoromethane
Concen: 46.592 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Instrument :
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ClientSampleId :

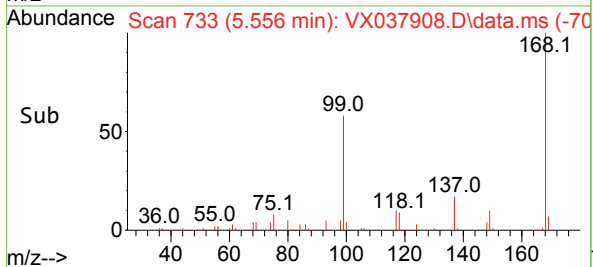
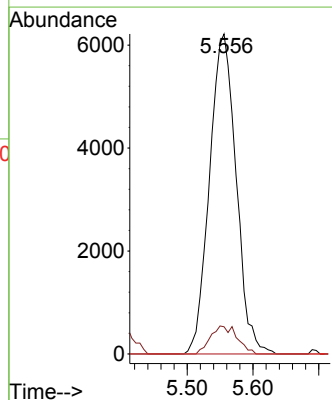
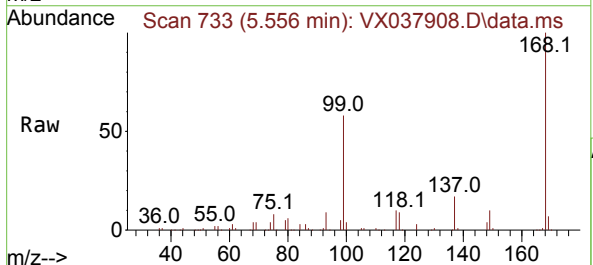


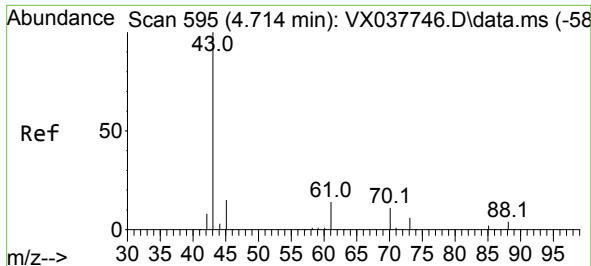
Tgt Ion:113 Resp: 119534
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 19.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Tgt Ion: 75 Resp: 17513
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.911 ug/l

RT: 4.727 min Scan# 597

Delta R.T. -0.006 min

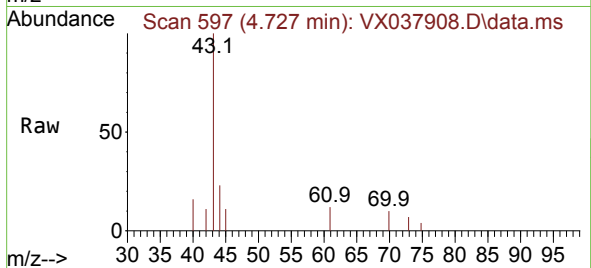
Lab File: VX037908.D

Acq: 26 Sep 2023 14:43

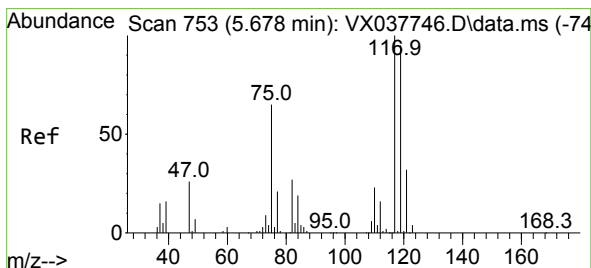
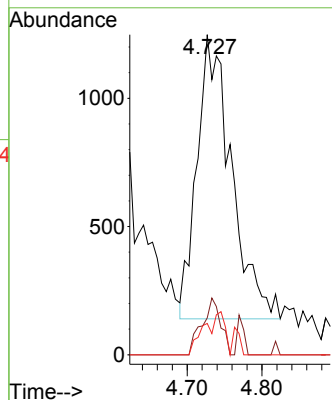
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	3540
Ion	Ratio	Lower	Upper
43	100		
61	10.9	10.6	16.0
70	9.1	8.3	12.5



#38

Carbon Tetrachloride

Concen: 6.259 ug/l

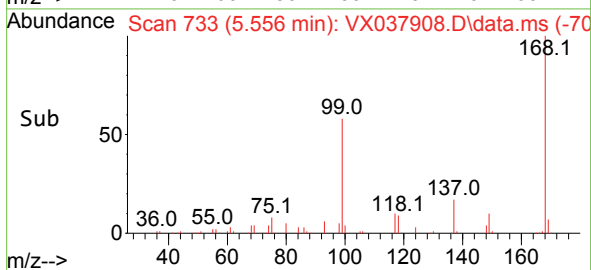
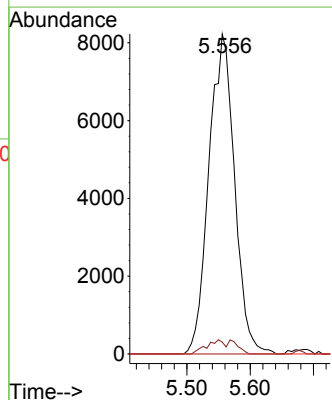
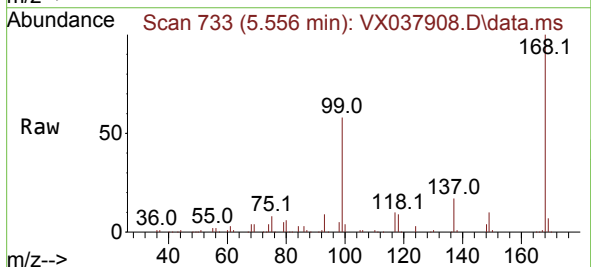
RT: 5.556 min Scan# 733

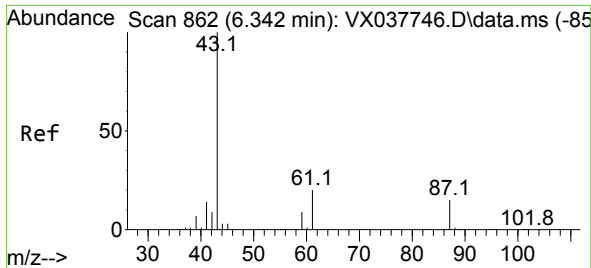
Delta R.T. -0.122 min

Lab File: VX037908.D

Acq: 26 Sep 2023 14:43

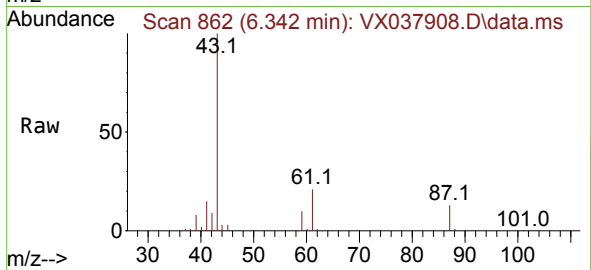
Tgt Ion:	117	Resp:	23144
Ion	Ratio	Lower	Upper
117	100		
119	3.7	78.2	117.2#
121	0.0	24.4	36.6#



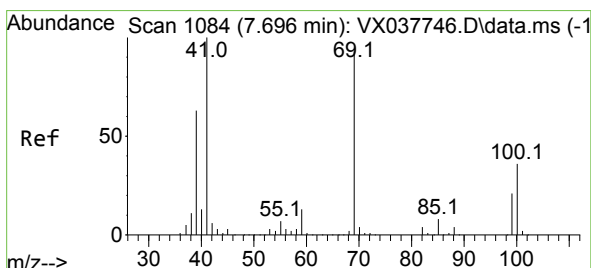
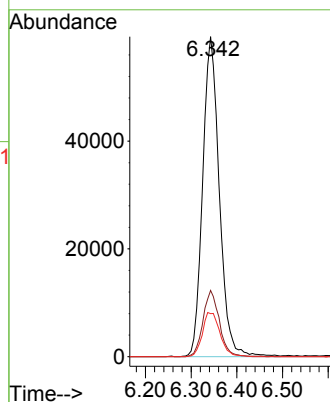
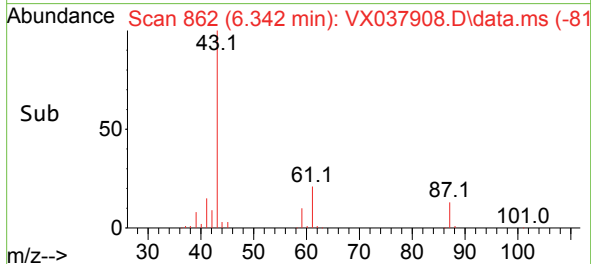


#43
Isopropyl Acetate
Concen: 24.168 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :

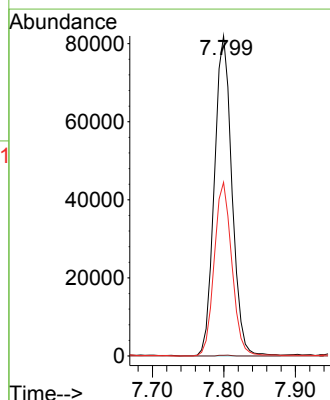
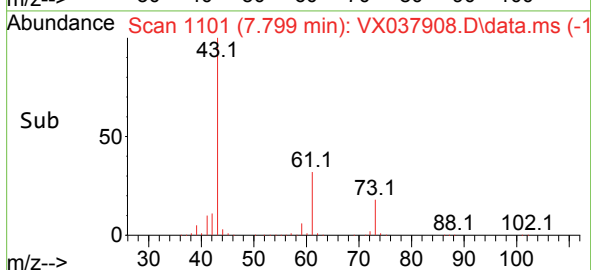
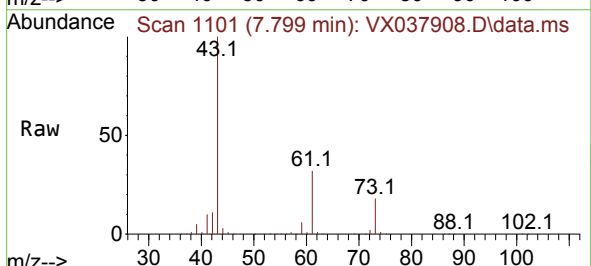


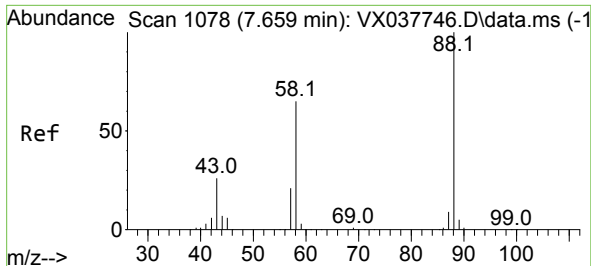
Tgt Ion: 43 Resp: 150149
Ion Ratio Lower Upper
43 100
61 20.2 15.2 22.8
87 14.6 9.8 14.6



#48
Methyl methacrylate
Concen: 47.147 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Tgt Ion: 41 Resp: 140022
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.5 47.7 71.5





#49

1,4-Dioxane

Concen: 2.016 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX037908.D

Acq: 26 Sep 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

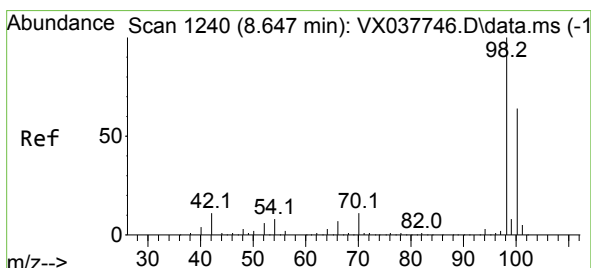
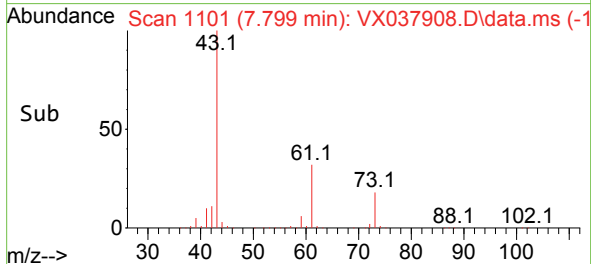
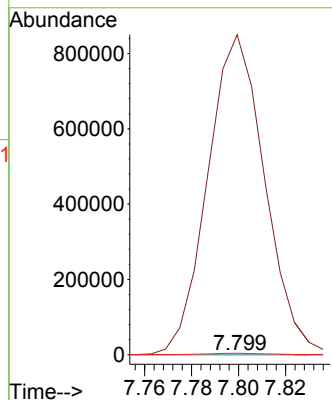
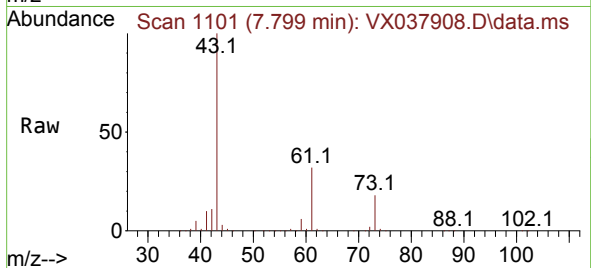
Tgt Ion: 88 Resp: 157

Ion Ratio Lower Upper

88 100

43 921869.4 0.0 0.0#

58 4254.1 60.1 90.1#



#50

Toluene-d8

Concen: 50.681 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX037908.D

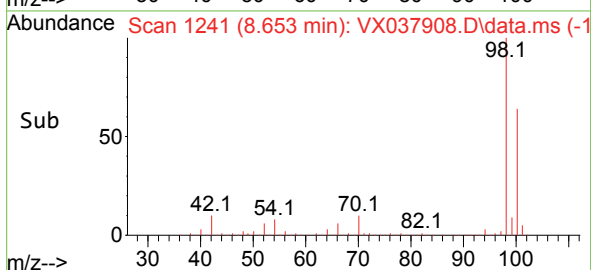
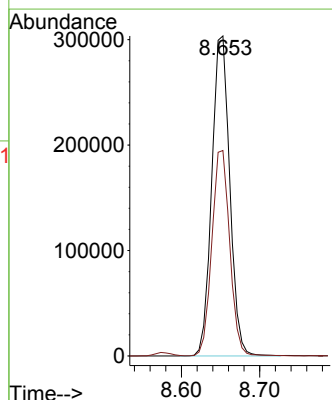
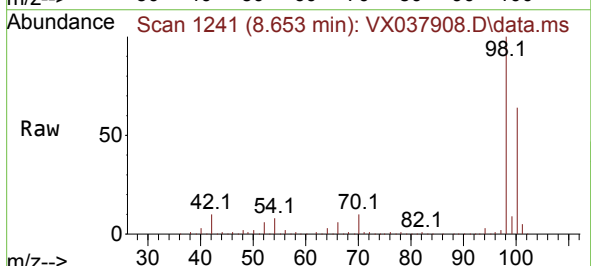
Acq: 26 Sep 2023 14:43

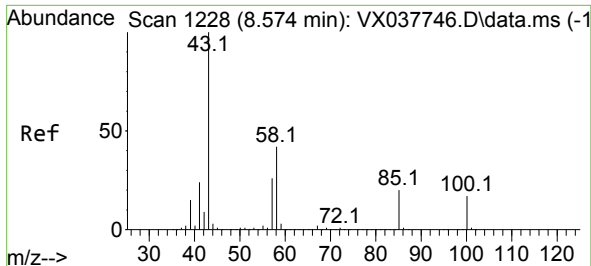
Tgt Ion: 98 Resp: 483115

Ion Ratio Lower Upper

98 100

100 64.0 53.1 79.7

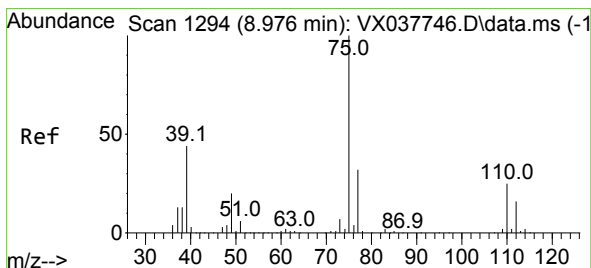
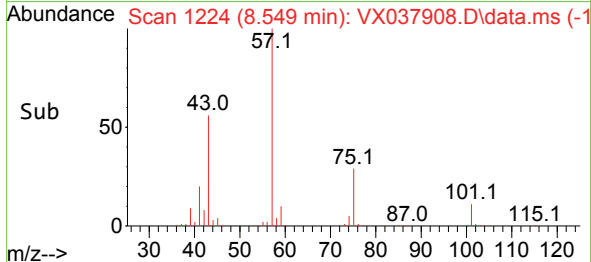
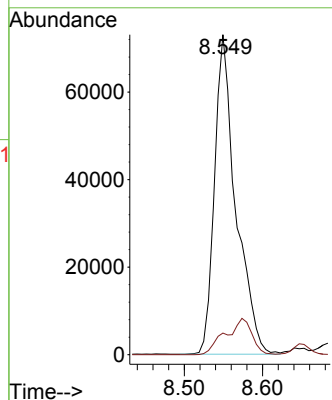
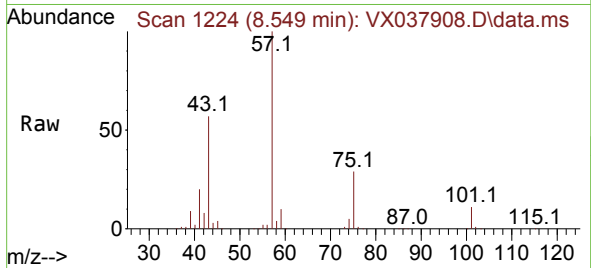




#51
4-Methyl-2-Pentanone
Concen: 35.031 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

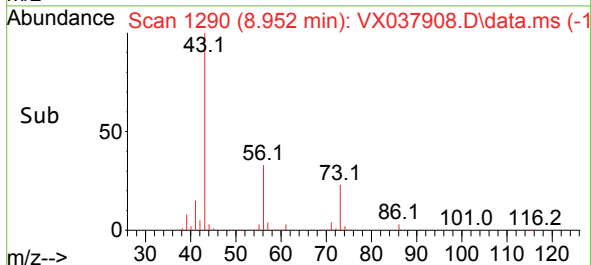
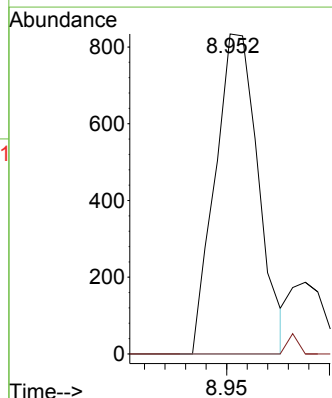
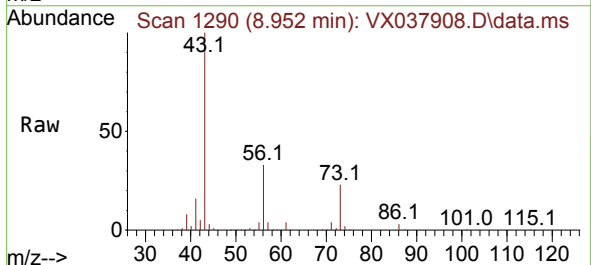
Instrument :
MSVOA_X
ClientSampleId :

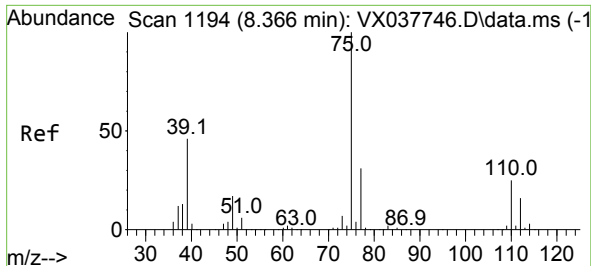
Tgt Ion: 43 Resp: 138080
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.312 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.037 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Tgt Ion: 75 Resp: 1220
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

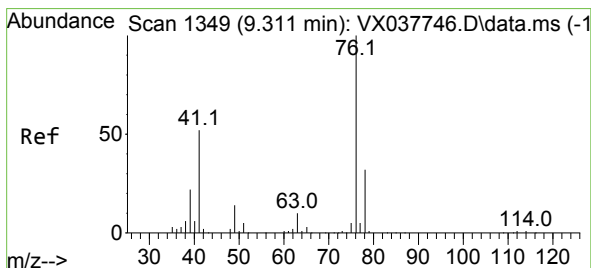
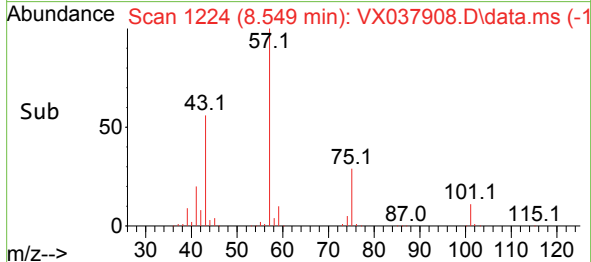
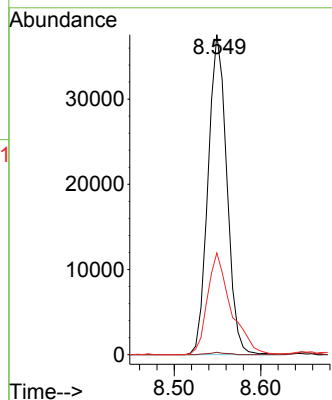
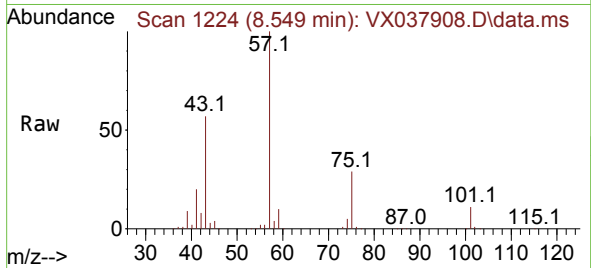




#54
 cis-1,3-Dichloropropene
 Concen: 13.077 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX037908.D
 Acq: 26 Sep 2023 14:43

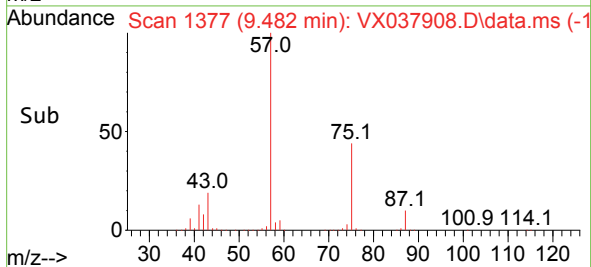
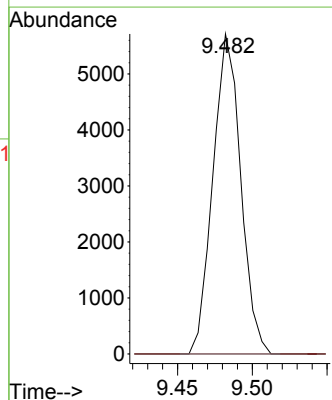
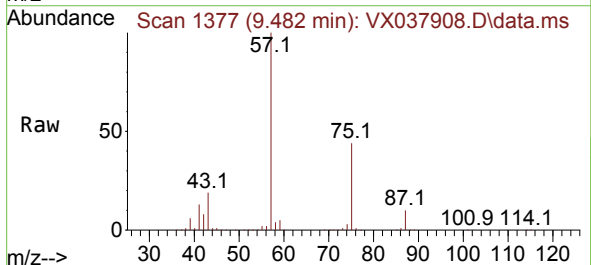
Instrument :
 MSVOA_X
 ClientSampleId :

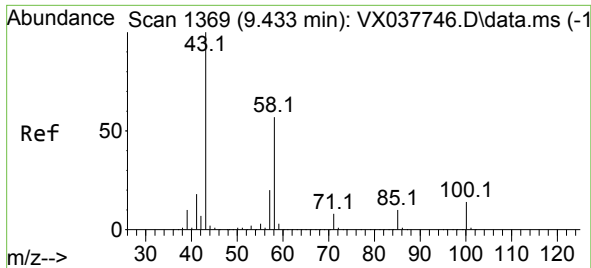
Tgt Ion: 75 Resp: 56583
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.3 37.9#
 39 31.8 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.544 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX037908.D
 Acq: 26 Sep 2023 14:43

Tgt Ion: 76 Resp: 7378
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

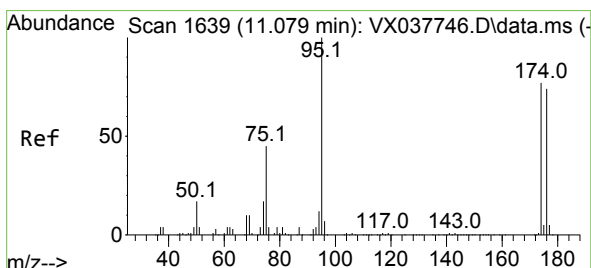
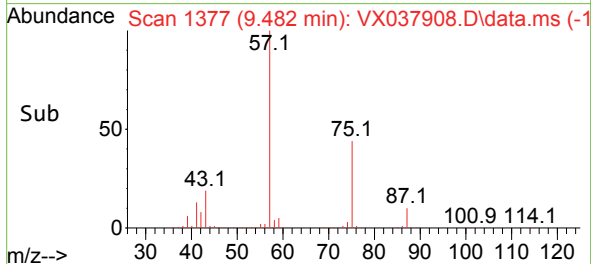
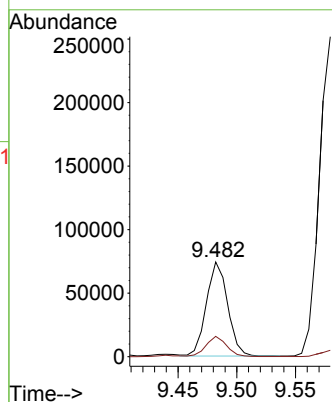
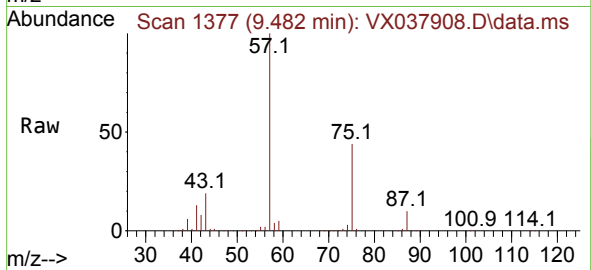




#59
2-Hexanone
Concen: 30.385 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

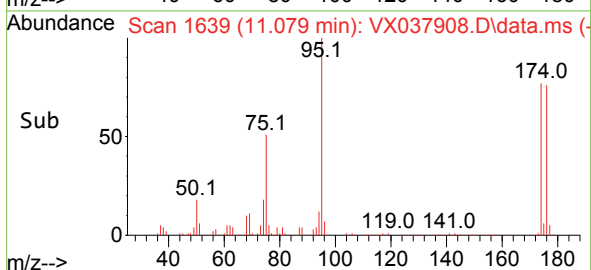
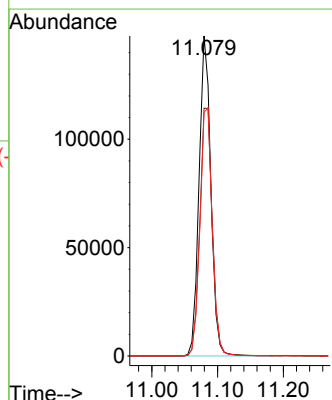
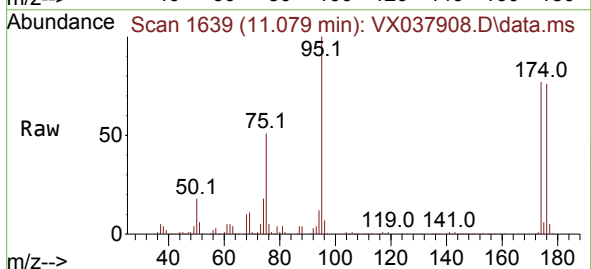
Instrument :
MSVOA_X
ClientSampleId :

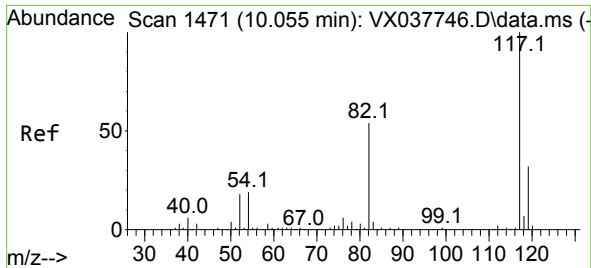
Tgt Ion: 43 Resp: 93250
Ion Ratio Lower Upper
43 100
58 21.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.857 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Tgt Ion: 95 Resp: 183095
Ion Ratio Lower Upper
95 100
174 82.7 0.0 135.6
176 80.8 0.0 131.0

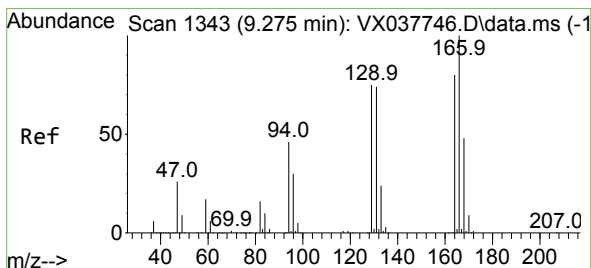
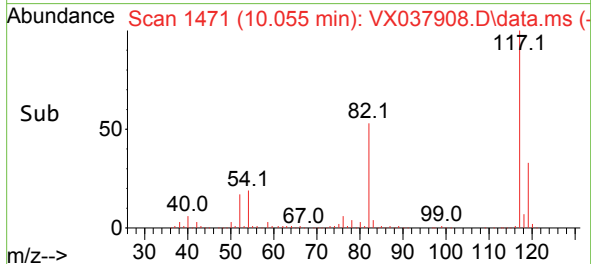
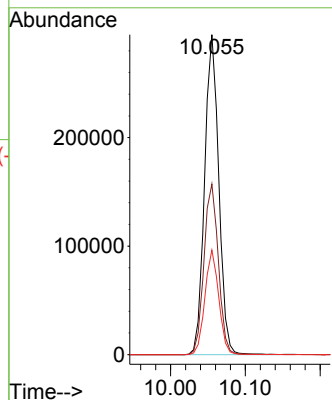
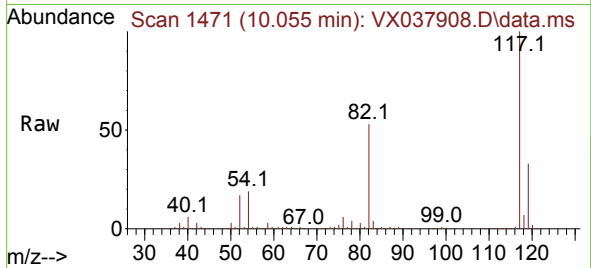




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

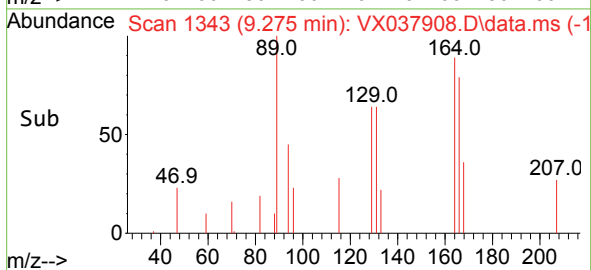
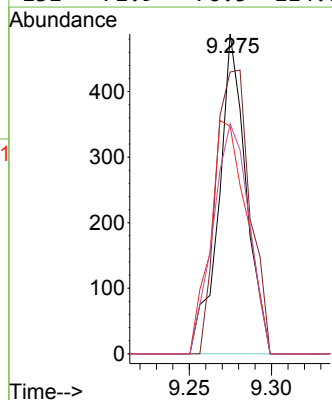
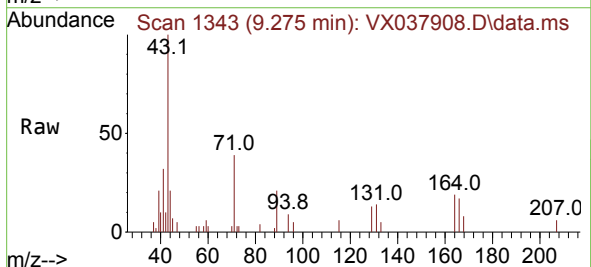
Instrument :
MSVOA_X
ClientSampleId :

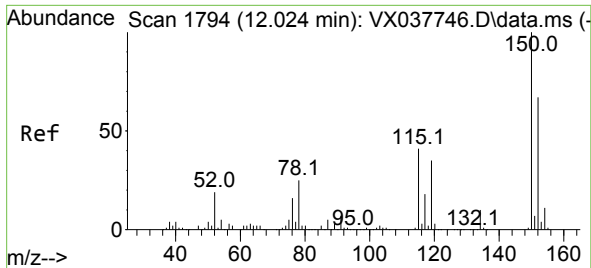
Tgt Ion:117 Resp: 387938
Ion Ratio Lower Upper
117 100
82 53.4 46.2 69.4
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 0.213 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

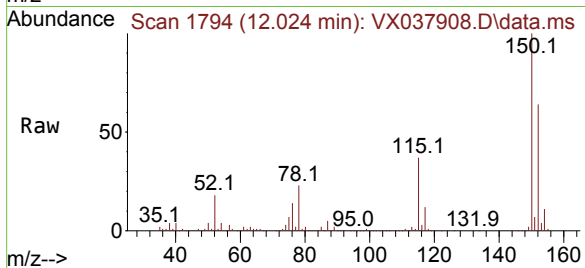
Tgt Ion:164 Resp: 563
Ion Ratio Lower Upper
164 100
166 88.1 102.7 154.1#
129 71.1 80.4 120.6#
131 71.9 76.5 114.7#



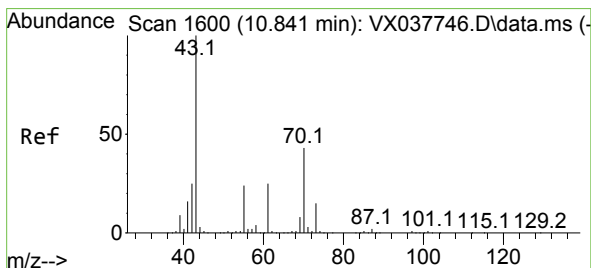
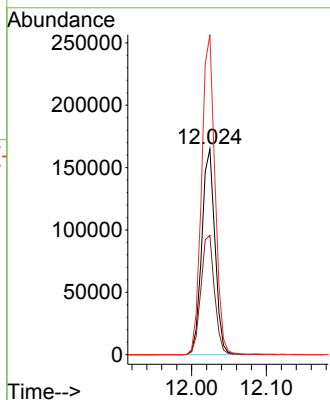
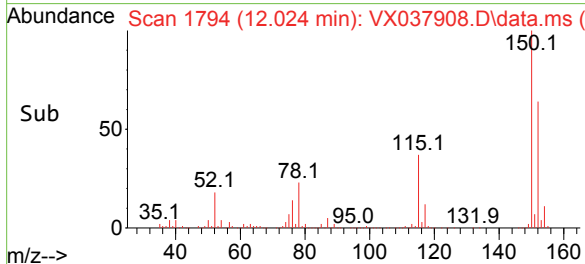


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX037908.D
 Acq: 26 Sep 2023 14:43

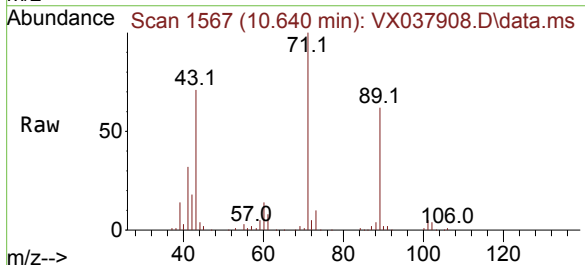
Instrument :
 MSVOA_X
 ClientSampleId :



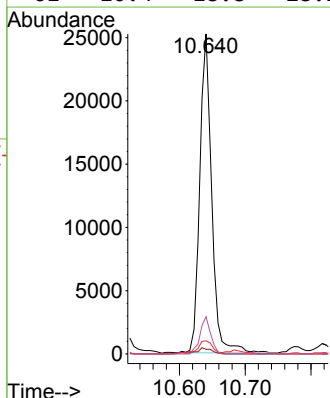
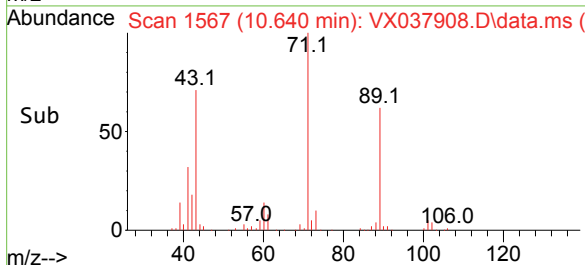
Tgt Ion:152 Resp: 202534
 Ion Ratio Lower Upper
 152 100
 115 60.0 43.3 129.9
 150 157.3 0.0 345.0

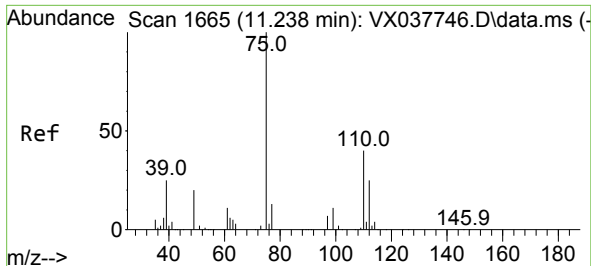


#74
 N-ethyl acetate
 Concen: 5.284 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.207 min
 Lab File: VX037908.D
 Acq: 26 Sep 2023 14:43



Tgt Ion: 43 Resp: 31798
 Ion Ratio Lower Upper
 43 100
 70 2.5 32.9 49.3#
 55 5.5 19.3 28.9#
 61 10.4 18.8 28.2#

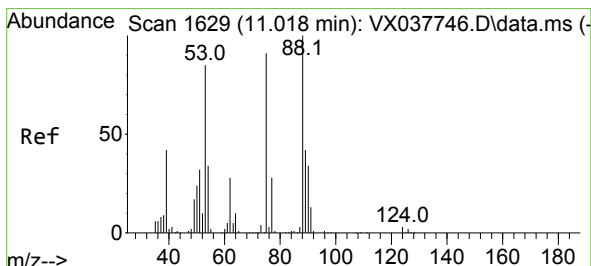
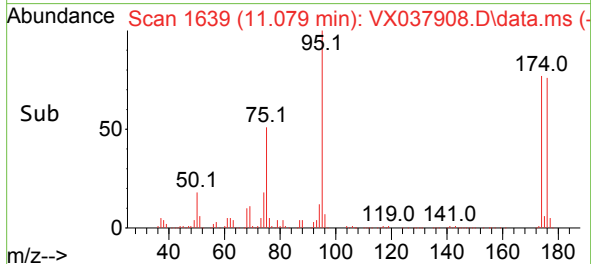
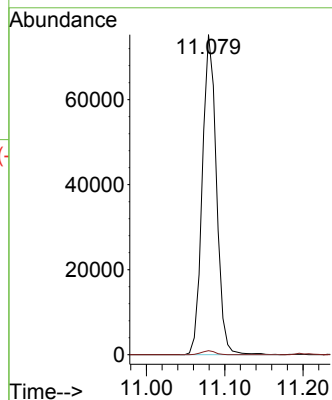
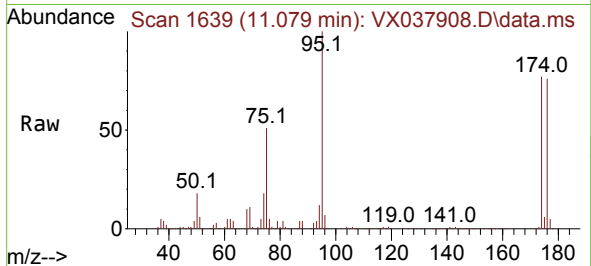




#76
1,2,3-Trichloropropane
Concen: 20.140 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

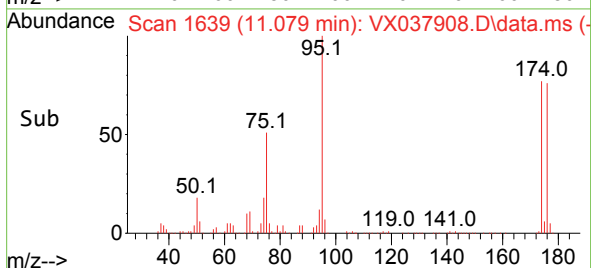
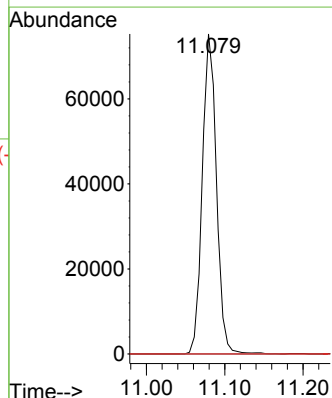
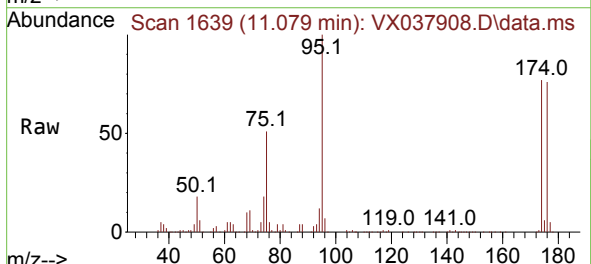
Instrument :
MSVOA_X
ClientSampleId :

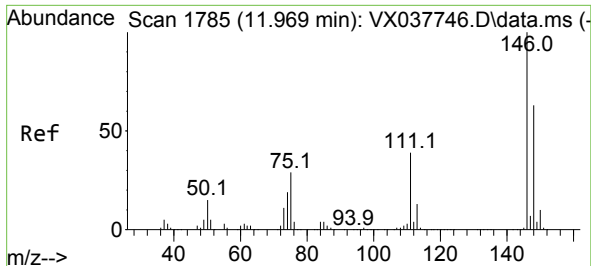
Tgt Ion: 75 Resp: 94344
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.516 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037908.D
Acq: 26 Sep 2023 14:43

Tgt Ion: 75 Resp: 94344
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.224 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX037908.D

Acq: 26 Sep 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

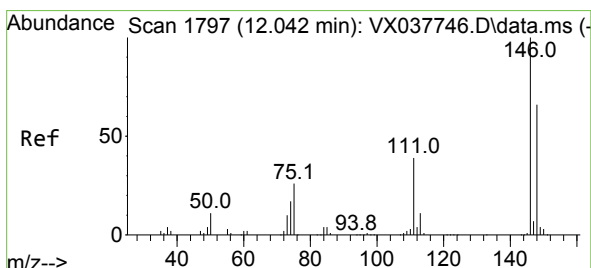
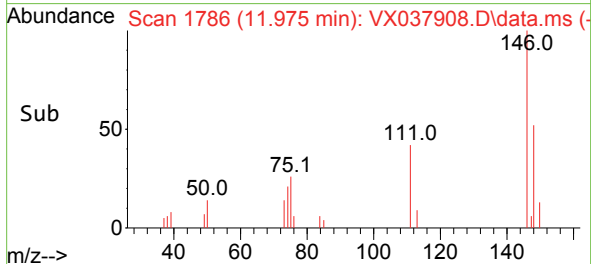
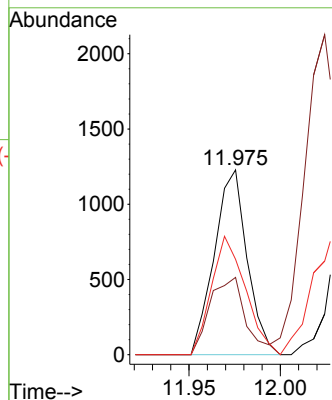
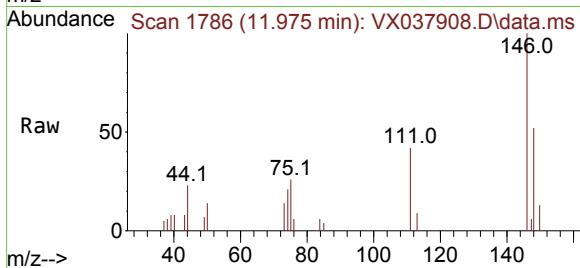
Tgt Ion:146 Resp: 1533

Ion Ratio Lower Upper

146 100

111 45.3 22.1 66.1

148 66.5 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.219 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX037908.D

Acq: 26 Sep 2023 14:43

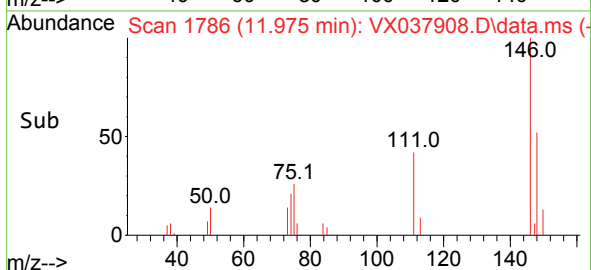
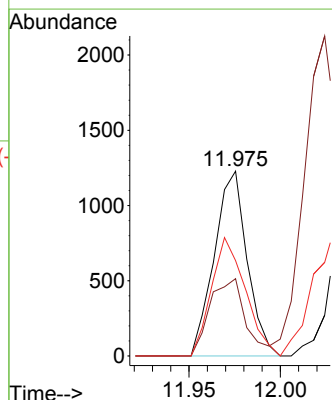
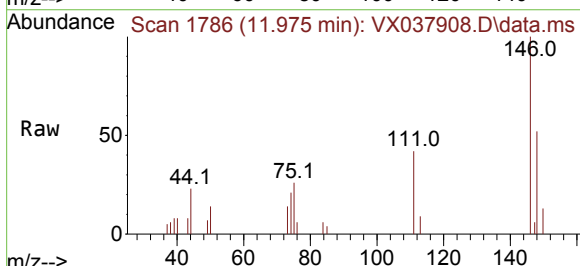
Tgt Ion:146 Resp: 1533

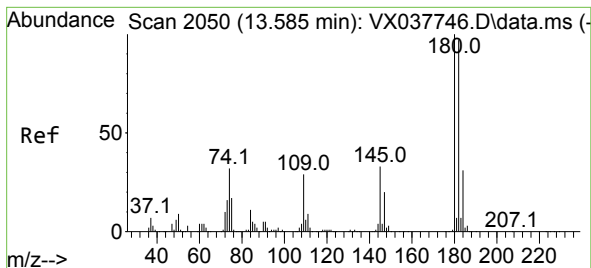
Ion Ratio Lower Upper

146 100

111 45.3 21.3 63.7

148 66.5 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.217 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037908.D

Acq: 26 Sep 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

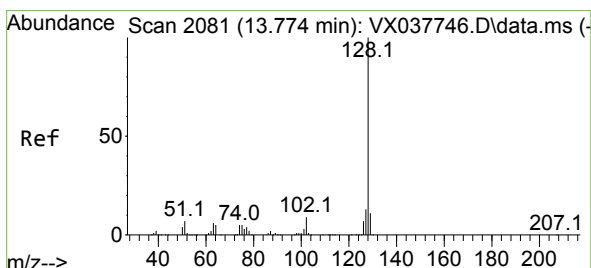
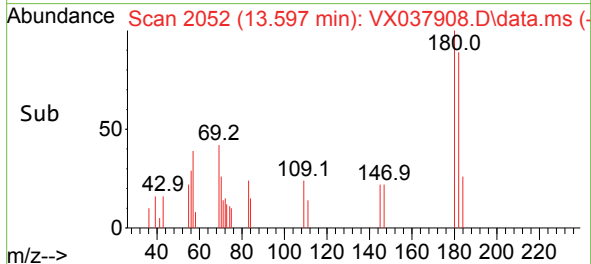
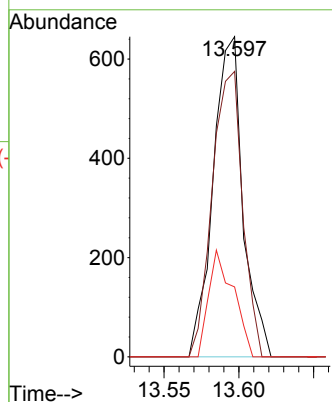
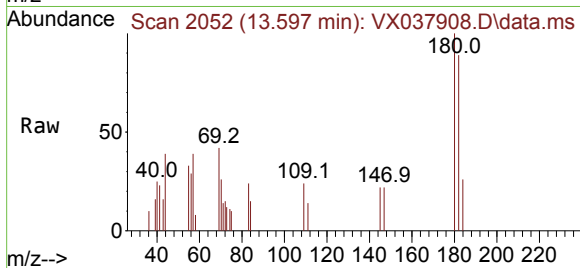
Tgt Ion:180 Resp: 894

Ion Ratio Lower Upper

180 100

182 90.7 48.3 144.8

145 27.7 18.0 54.0



#95

Naphthalene

Concen: 0.208 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX037908.D

Acq: 26 Sep 2023 14:43

Tgt Ion:128 Resp: 2894

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.1 8.8 13.2

