

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037812.D
 Acq On : 19 Sep 2023 17:36
 Operator : JC/MD
 Sample : 04460-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

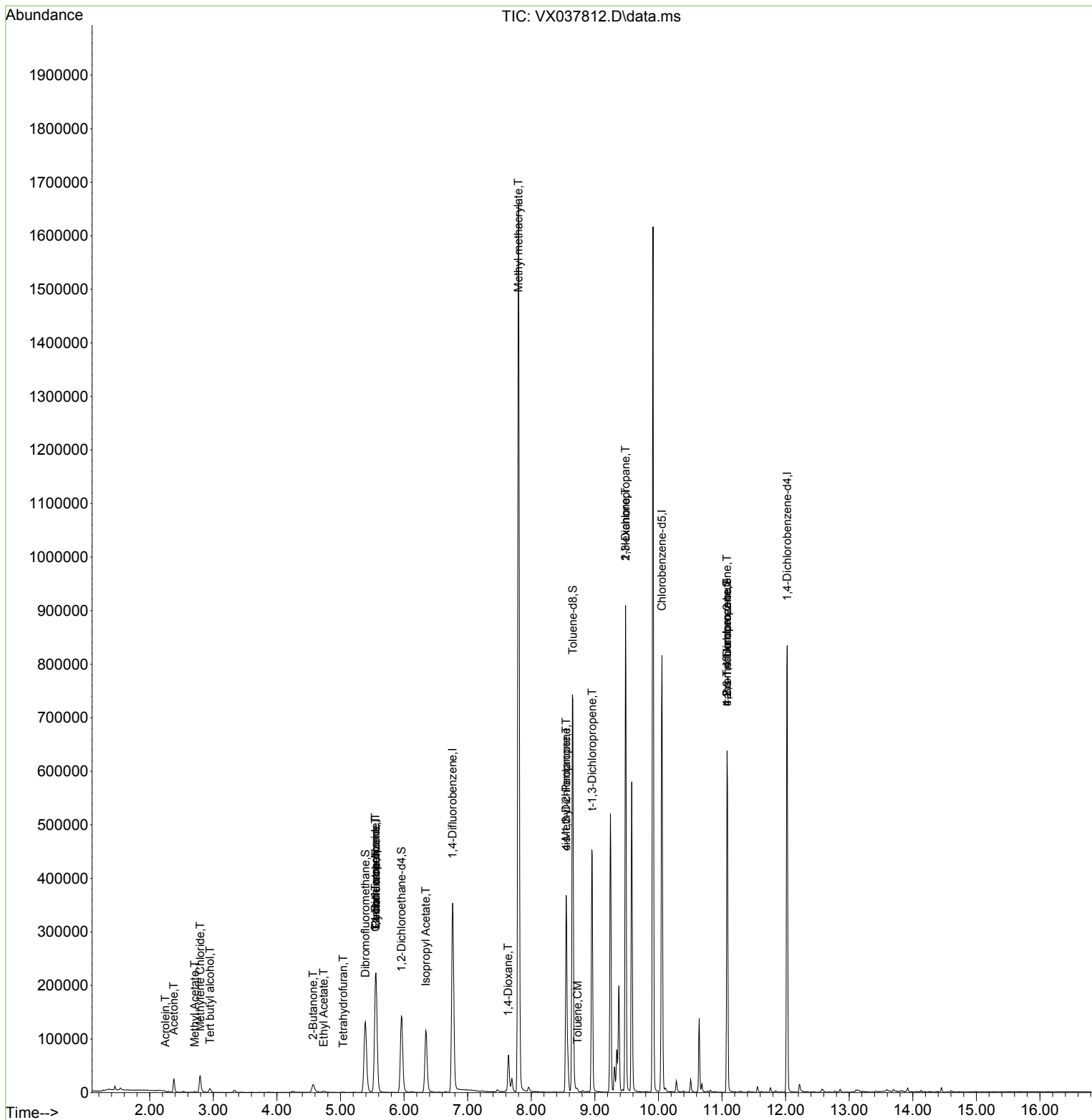
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 01:05:58 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	215799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	368595	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	136347	48.090	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.180%		
35) Dibromofluoromethane	5.391	113	114940	46.604	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.200%		
50) Toluene-d8	8.653	98	458004	49.980	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.960%		
62) 4-Bromofluorobenzene	11.079	95	167852	50.407	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.820%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	4295	7.057	ug/l #	78
13) Acrolein	2.246	56	123	0.205	ug/l	92
16) Acetone	2.380	43	25342	18.580	ug/l	92
18) Methyl Acetate	2.709	43	1706	0.347	ug/l #	72
20) Methylene Chloride	2.794	84	16130	6.375	ug/l	91
25) 2-Butanone	4.568	43	15164	7.878	ug/l	95
29) Tetrahydrofuran	5.044	42	518	0.433	ug/l #	64
31) Cyclohexane	5.556	56	4757	1.307	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	16532	4.866	ug/l #	51
37) Ethyl Acetate	4.733	43	3565	0.954	ug/l #	94
38) Carbon Tetrachloride	5.550	117	22300	6.273	ug/l #	15
43) Isopropyl Acetate	6.342	43	154125	25.807	ug/l	96
48) Methyl methacrylate	7.799	41	138817	48.622	ug/l #	49
49) 1,4-Dioxane	7.635	88	19	0.254	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	144251	38.069	ug/l #	37
52) Toluene	8.726	92	1451	0.215	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	993	0.264	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	60187	14.469	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	7749	1.687	ug/l #	42
59) 2-Hexanone	9.482	43	97791	33.147	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	84734	20.763	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	84734	66.512	ug/l #	5

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

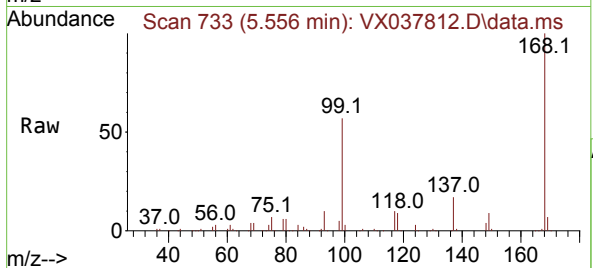
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Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



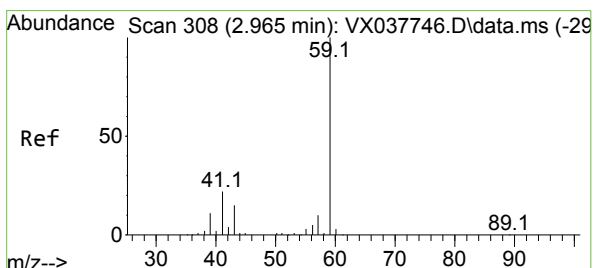
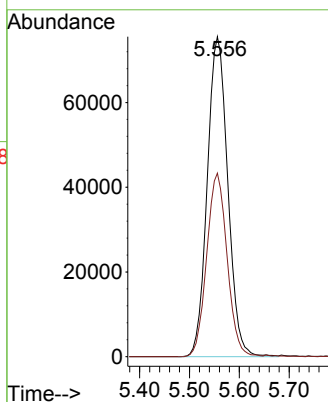
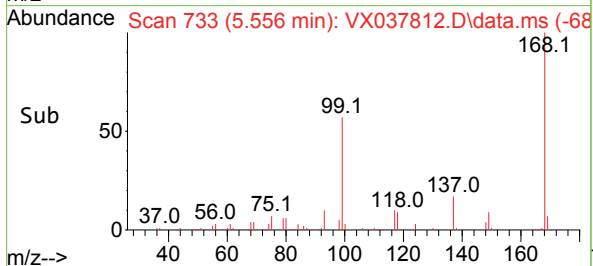


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Instrument :
MSVOA_X
ClientSampleId :

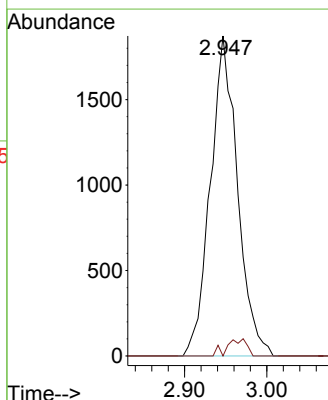
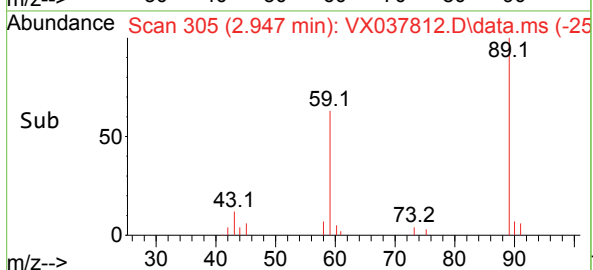
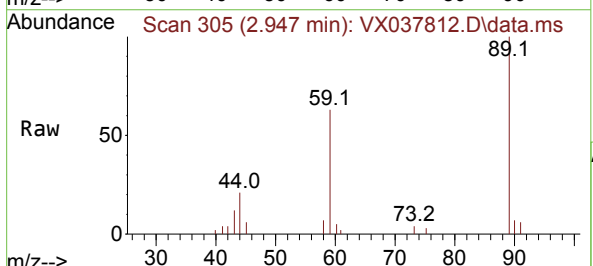


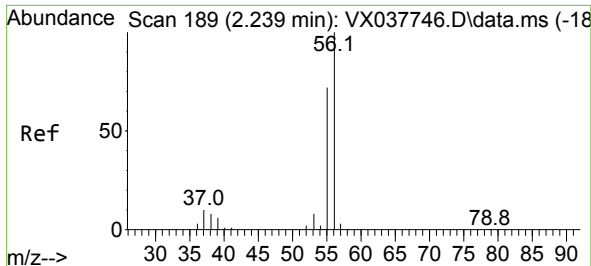
Tgt Ion:168 Resp: 215799
Ion Ratio Lower Upper
168 100
99 57.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 7.057 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Tgt Ion: 59 Resp: 4295
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.205 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX037812.D

Acq: 19 Sep 2023 17:36

Instrument :

MSVOA_X

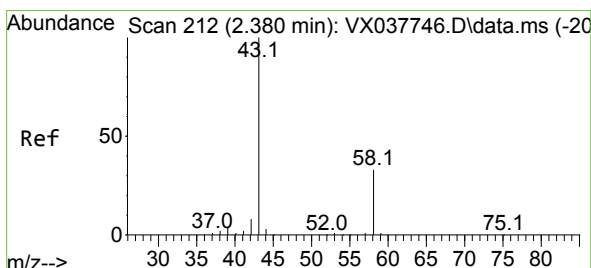
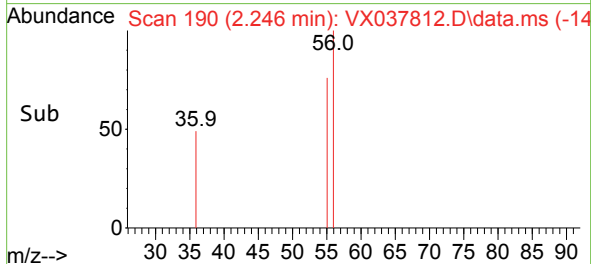
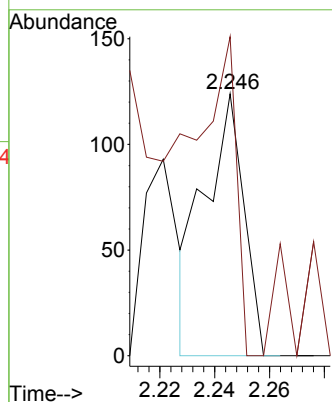
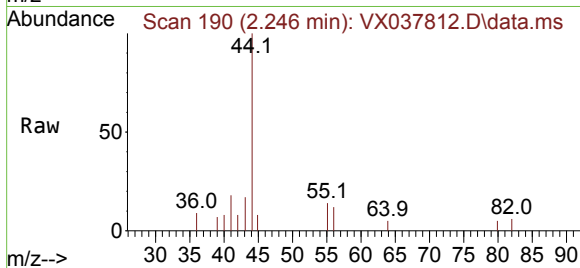
ClientSampleId :

Tgt Ion: 56 Resp: 123

Ion Ratio Lower Upper

56 100

55 78.0 57.1 85.7



#16

Acetone

Concen: 18.580 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX037812.D

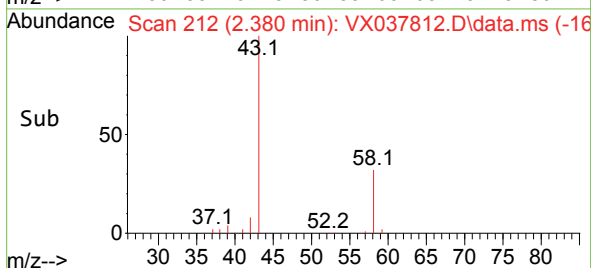
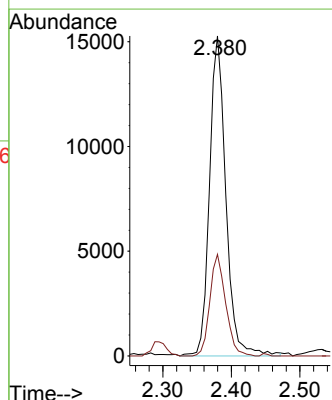
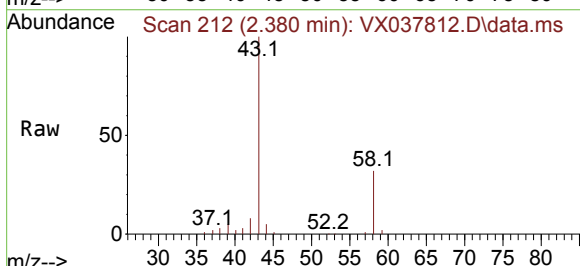
Acq: 19 Sep 2023 17:36

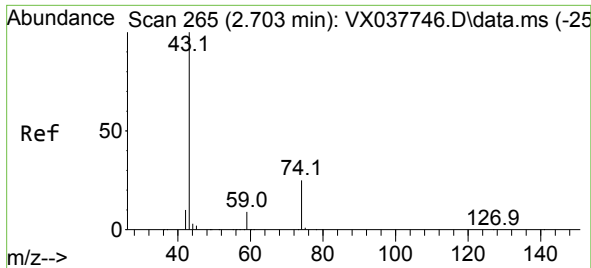
Tgt Ion: 43 Resp: 25342

Ion Ratio Lower Upper

43 100

58 31.7 21.9 32.9

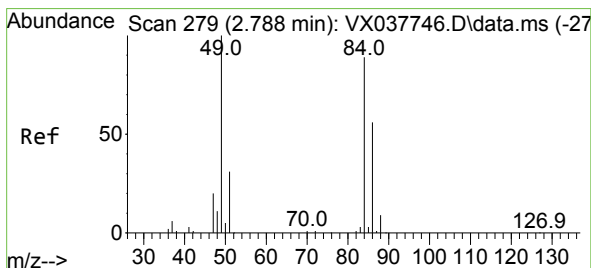
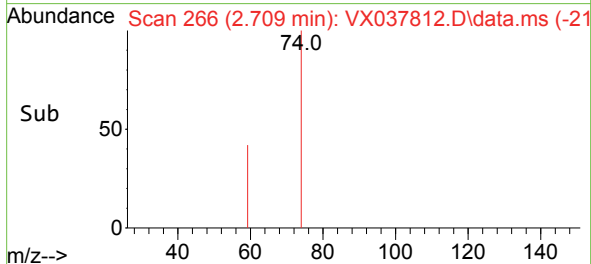
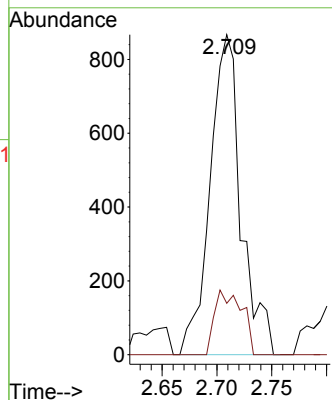
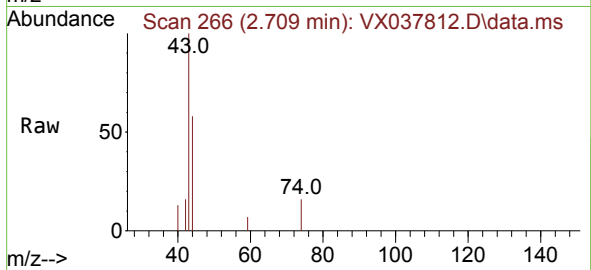




#18
Methyl Acetate
Concen: 0.347 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

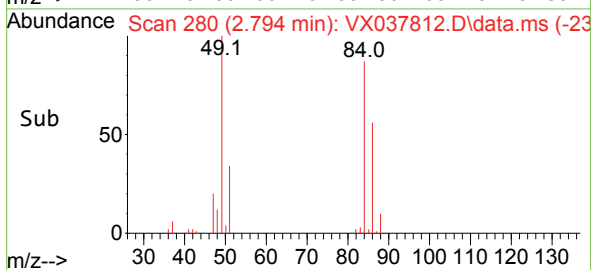
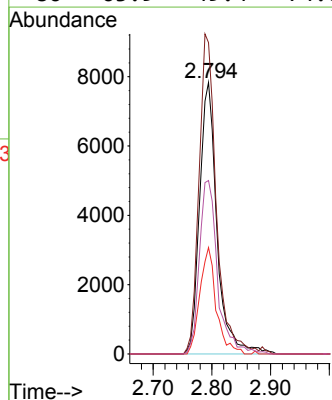
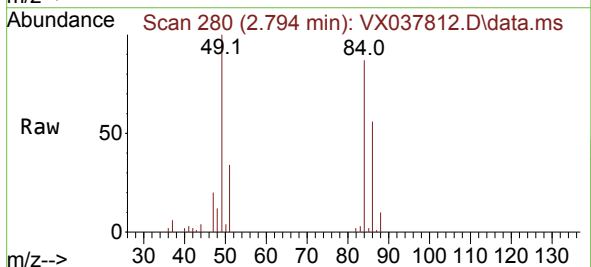
Instrument :
MSVOA_X
ClientSampleId :

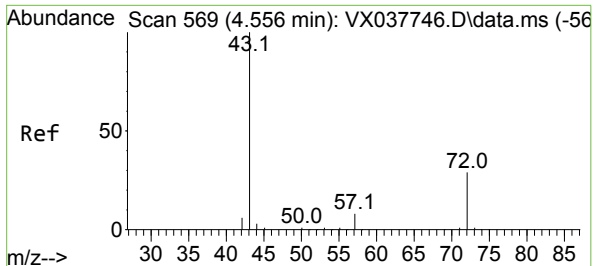
Tgt Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
74 8.9 17.8 26.8#



#20
Methylene Chloride
Concen: 6.375 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Tgt Ion: 84 Resp: 16130
Ion Ratio Lower Upper
84 100
49 114.7 103.6 155.4
51 39.2 33.8 50.6
86 63.9 49.4 74.0

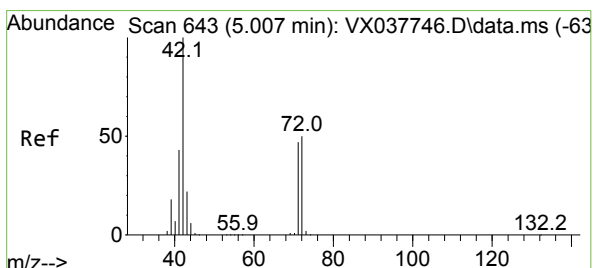
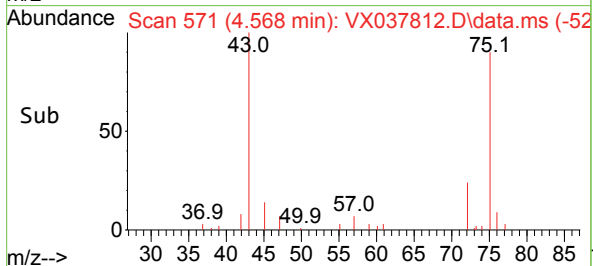
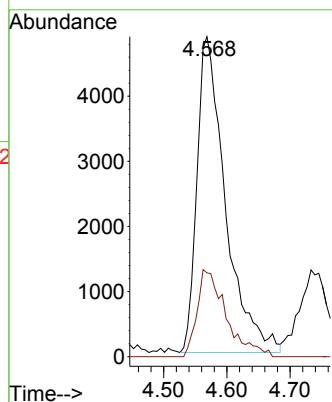
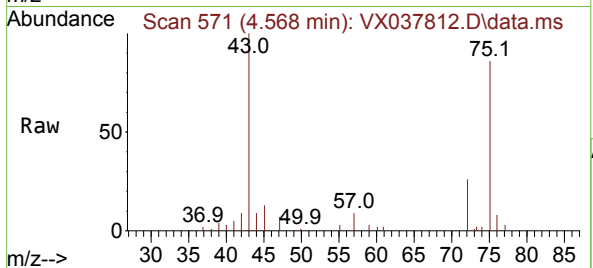




#25
2-Butanone
Concen: 7.878 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

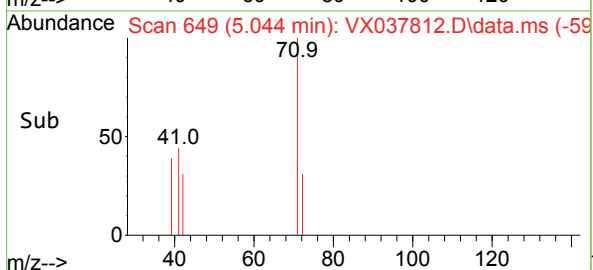
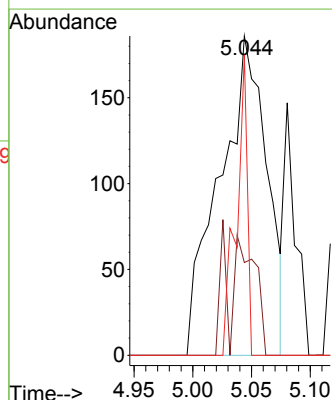
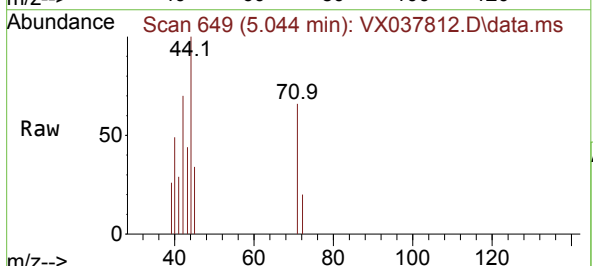
Instrument :
MSVOA_X
ClientSampleId :

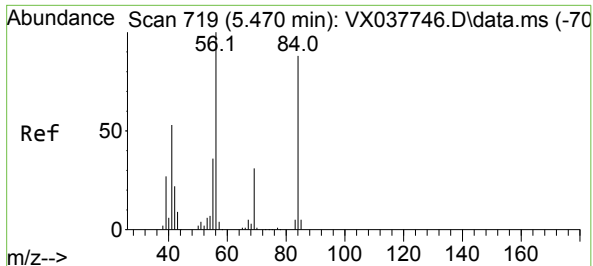
Tgt Ion: 43 Resp: 15164
Ion Ratio Lower Upper
43 100
72 26.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.433 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.030 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

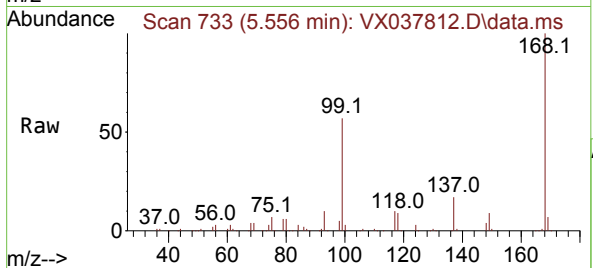
Tgt Ion: 42 Resp: 518
Ion Ratio Lower Upper
42 100
72 16.4 34.2 51.4#
71 22.0 32.2 48.2#



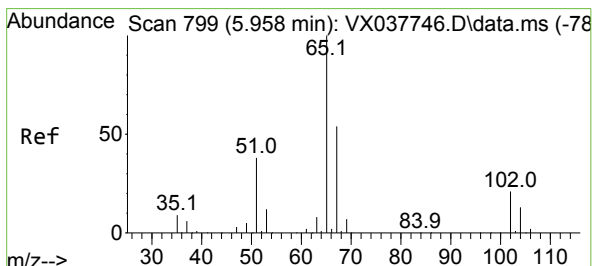
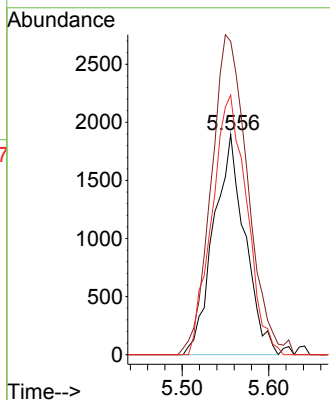
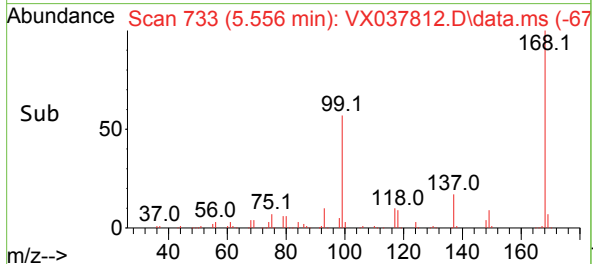


#31
Cyclohexane
Concen: 1.307 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Instrument :
MSVOA_X
ClientSampleId :

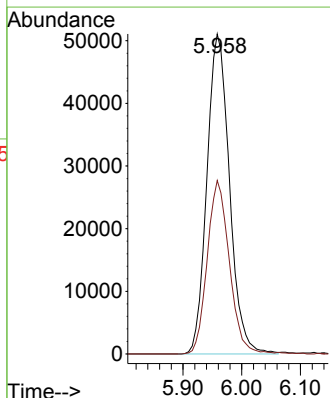
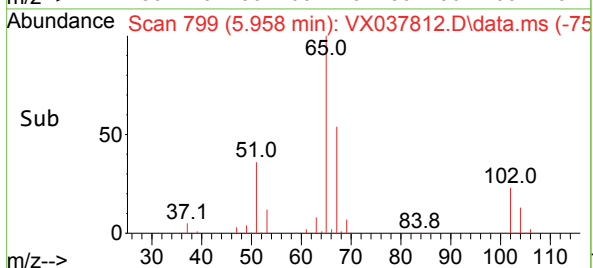
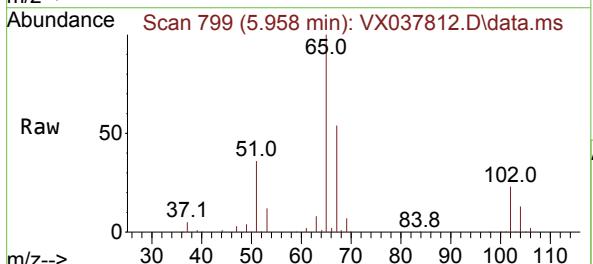


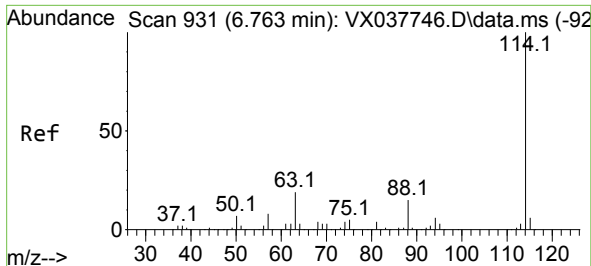
Tgt Ion: 56 Resp: 4757
Ion Ratio Lower Upper
56 100
69 142.2 23.4 35.2#
84 117.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.090 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Tgt Ion: 65 Resp: 136347
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2

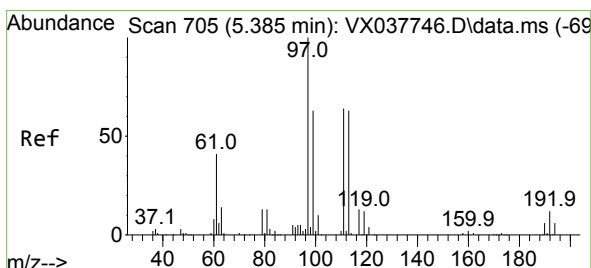
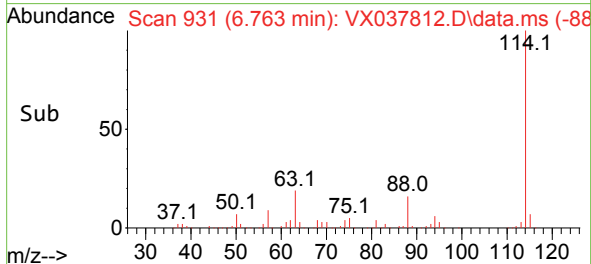
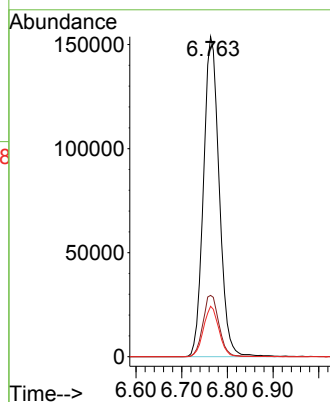
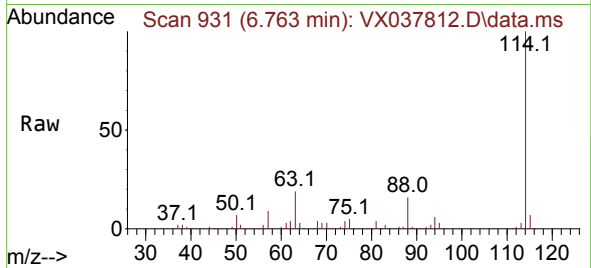




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

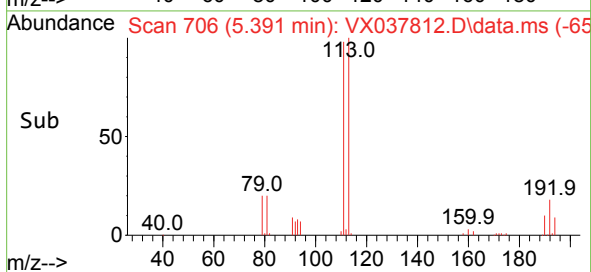
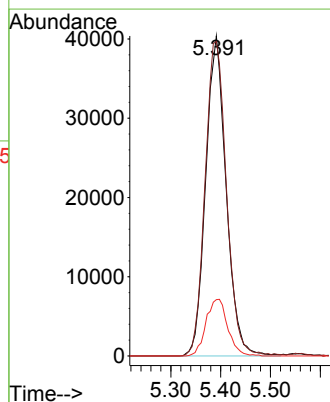
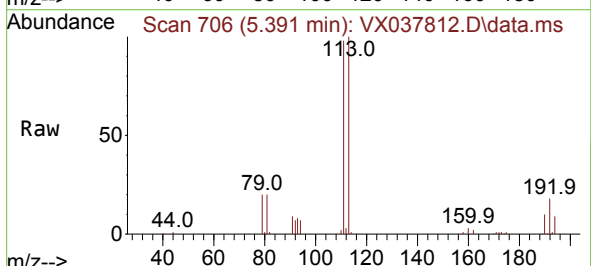
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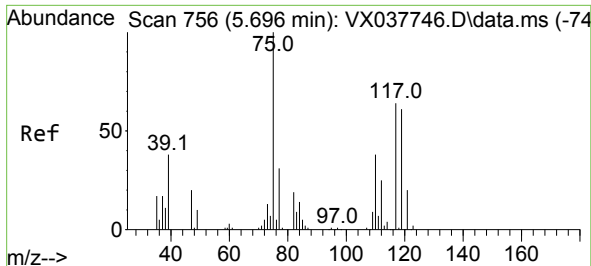
Tgt Ion:114 Resp: 368595
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.604 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Tgt Ion:113 Resp: 114940
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.8 13.3 19.9

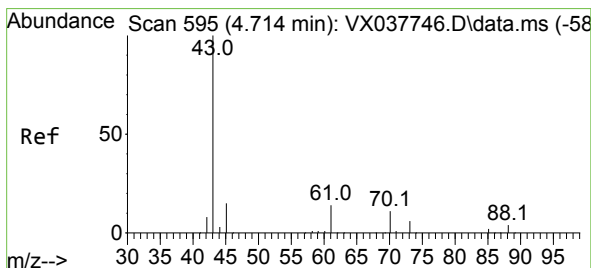
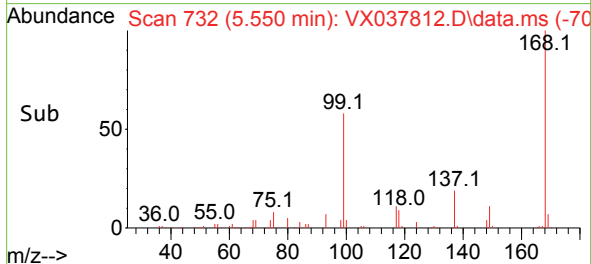
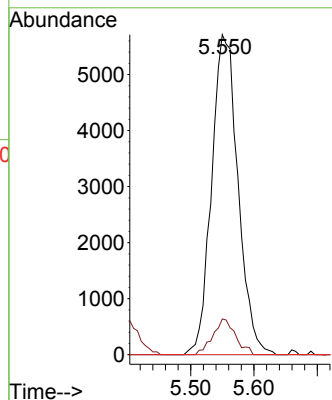
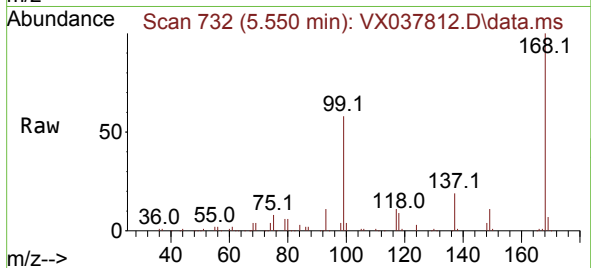




#36
1,1-Dichloropropene
Concen: 4.866 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

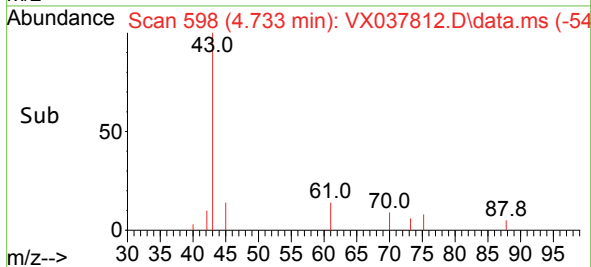
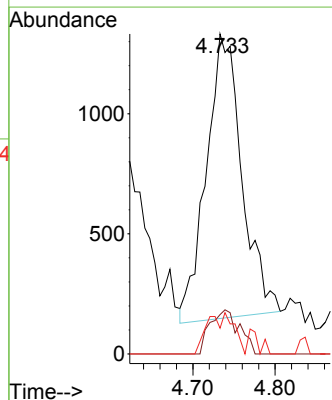
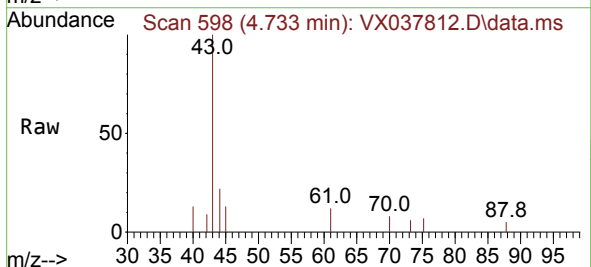
Instrument :
MSVOA_X
ClientSampleId :

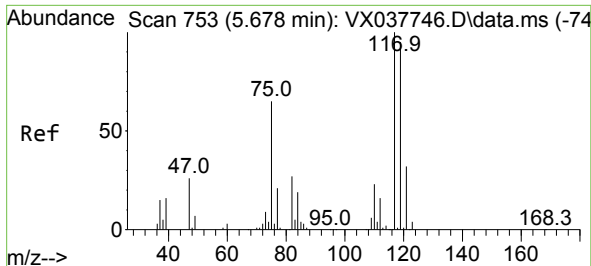
Tgt Ion: 75 Resp: 16532
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.954 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.000 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

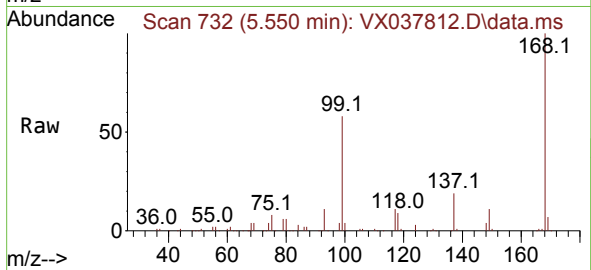
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Ion Ratio Lower Upper
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61 12.8 10.6 16.0
70 5.9 8.3 12.5#



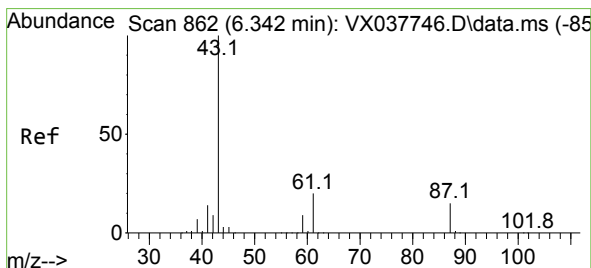
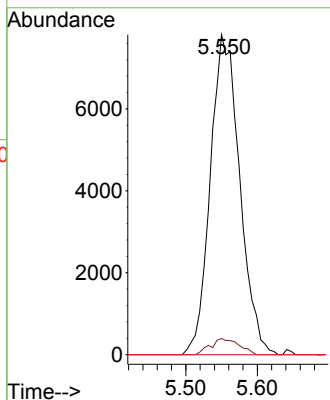
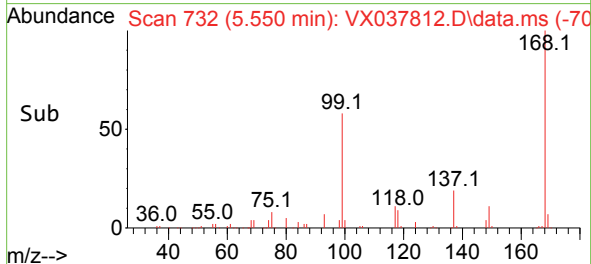


#38
Carbon Tetrachloride
Concen: 6.273 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Instrument :
MSVOA_X
ClientSampleId :

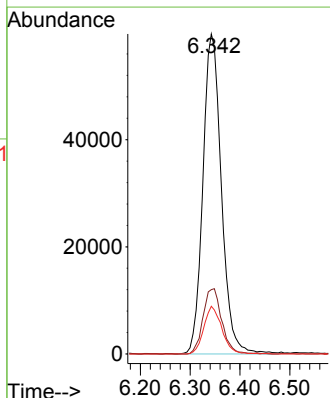
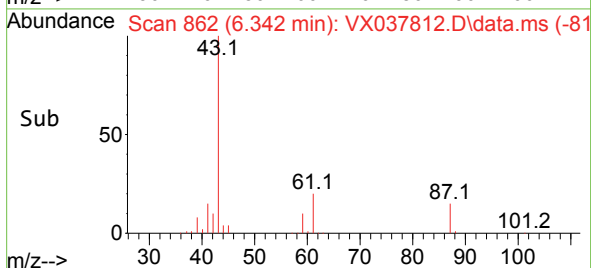
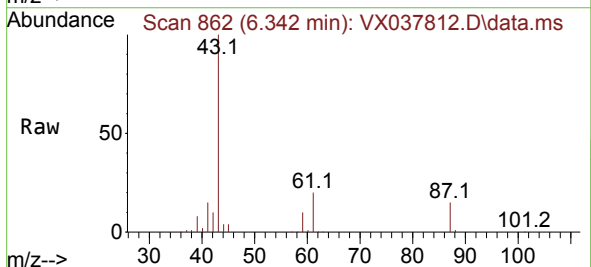


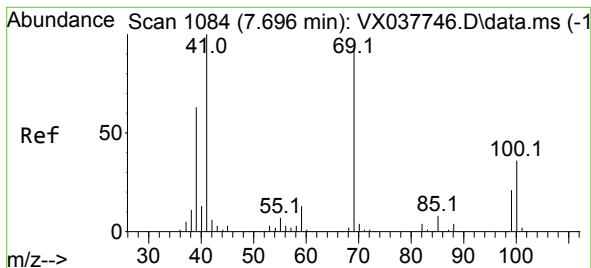
Tgt Ion:117 Resp: 22300
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 25.807 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Tgt Ion: 43 Resp: 154125
Ion Ratio Lower Upper
43 100
61 20.6 15.2 22.8
87 14.5 9.8 14.6





#48

Methyl methacrylate

Concen: 48.622 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.098 min

Lab File: VX037812.D

Acq: 19 Sep 2023 17:36

Instrument :

MSVOA_X

ClientSampleId :

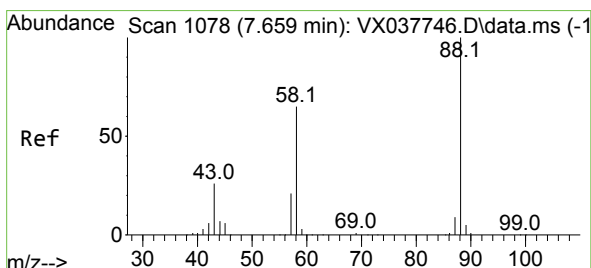
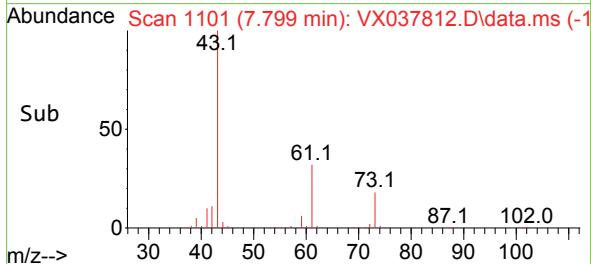
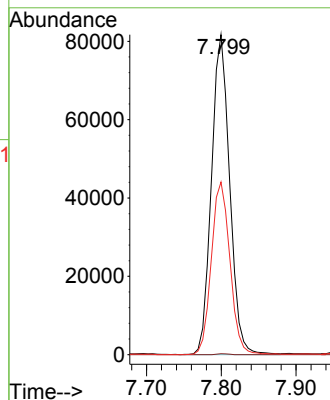
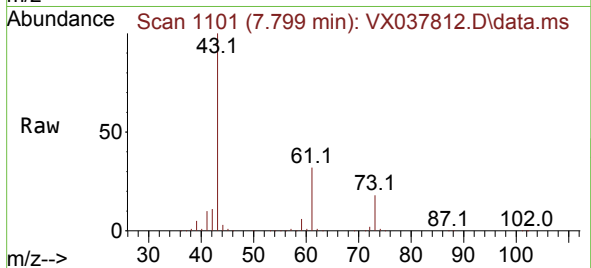
Tgt Ion: 41 Resp: 138817

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 55.3 47.7 71.5



#49

1,4-Dioxane

Concen: 0.254 ug/l

RT: 7.635 min Scan# 1074

Delta R.T. -0.037 min

Lab File: VX037812.D

Acq: 19 Sep 2023 17:36

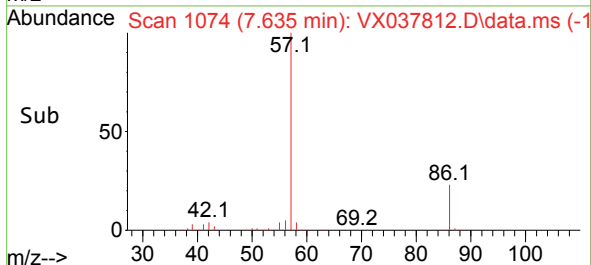
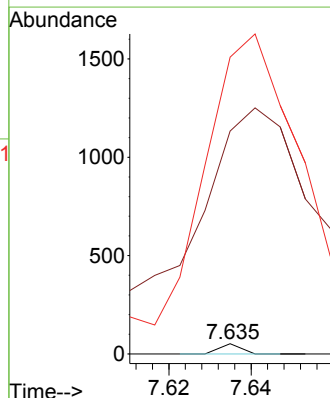
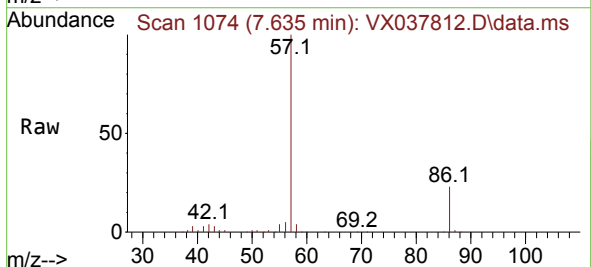
Tgt Ion: 88 Resp: 19

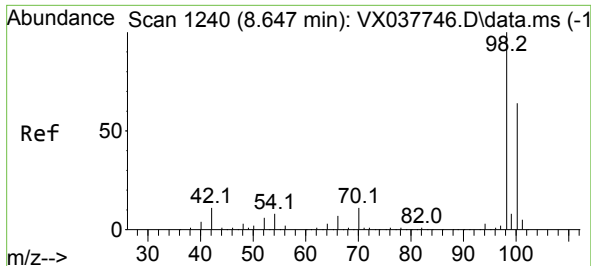
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 15468.4 60.1 90.1#

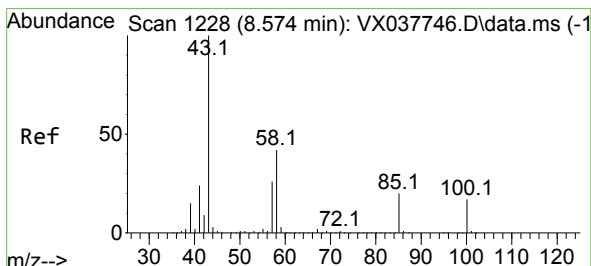
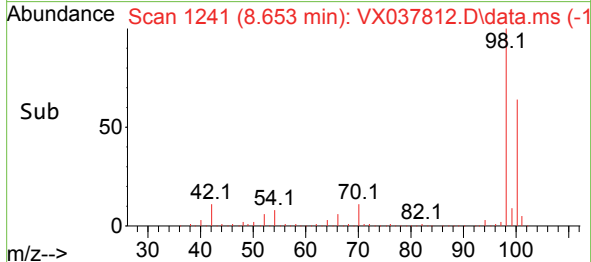
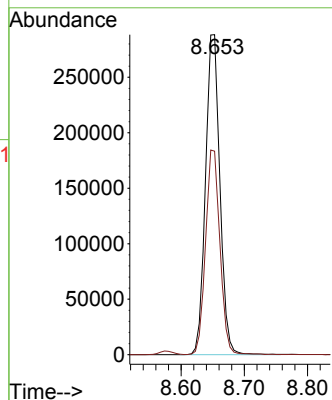
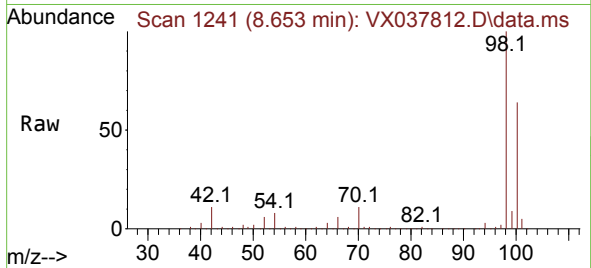




#50
Toluene-d8
Concen: 49.980 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

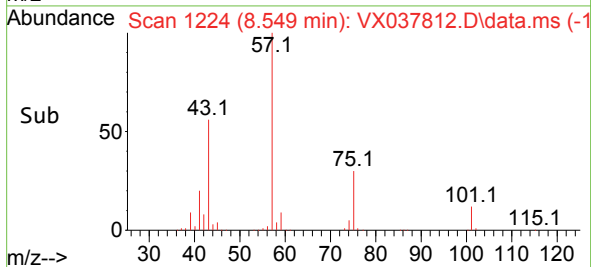
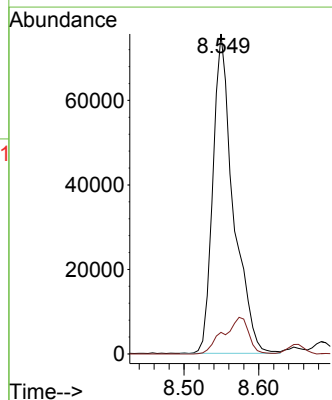
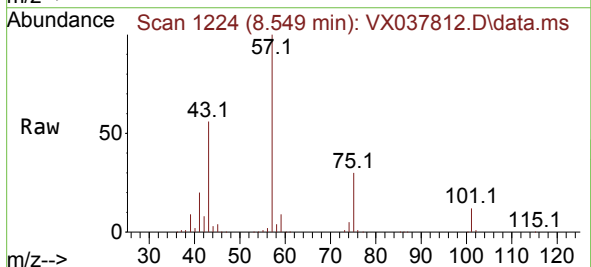
Instrument :
MSVOA_X
ClientSampleId :

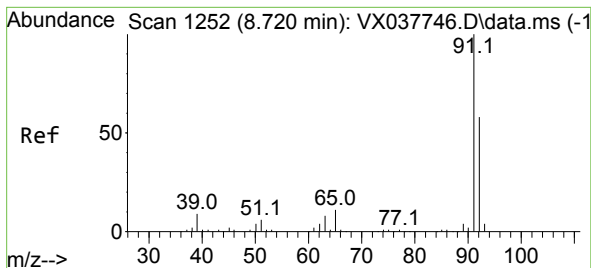
Tgt Ion: 98 Resp: 458004
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 38.069 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Tgt Ion: 43 Resp: 144251
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#





#52

Toluene

Concen: 0.215 ug/l

RT: 8.726 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX037812.D

Acq: 19 Sep 2023 17:36

Instrument :

MSVOA_X

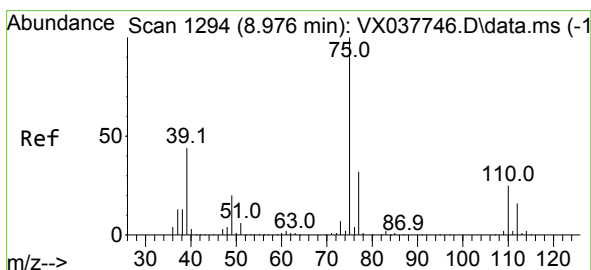
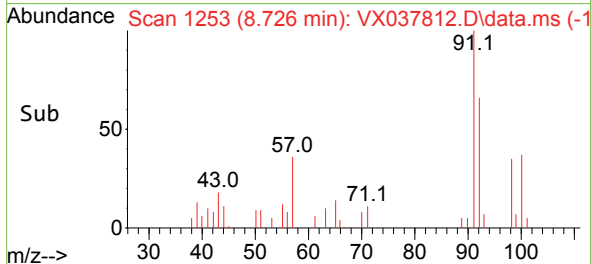
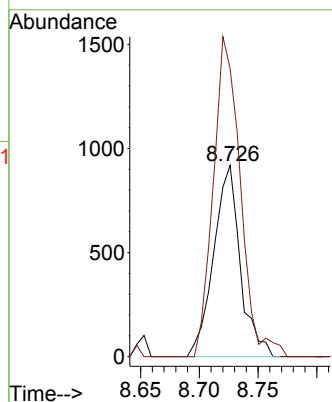
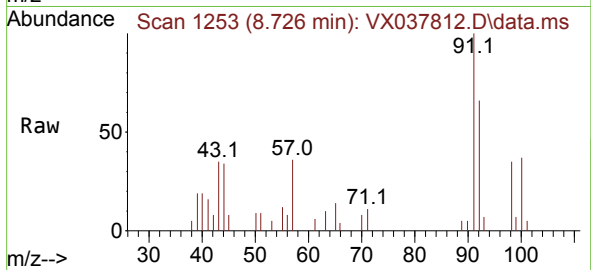
ClientSampleId :

Tgt Ion: 92 Resp: 1451

Ion Ratio Lower Upper

92 100

91 169.5 134.2 201.2



#53

t-1,3-Dichloropropene

Concen: 0.264 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.030 min

Lab File: VX037812.D

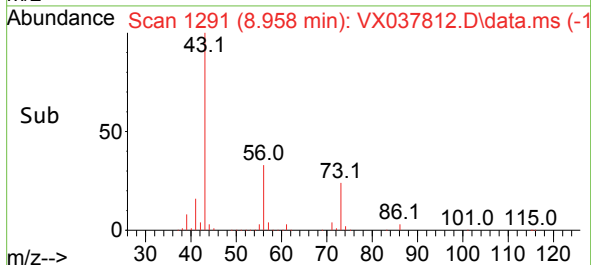
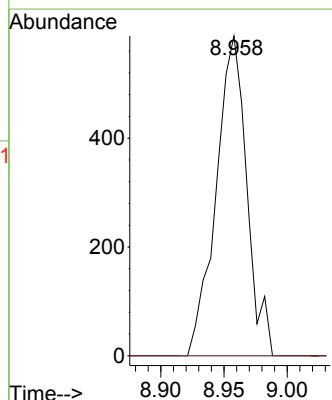
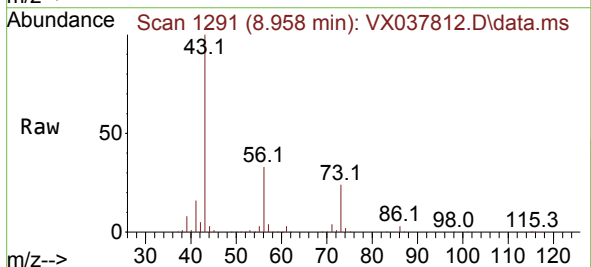
Acq: 19 Sep 2023 17:36

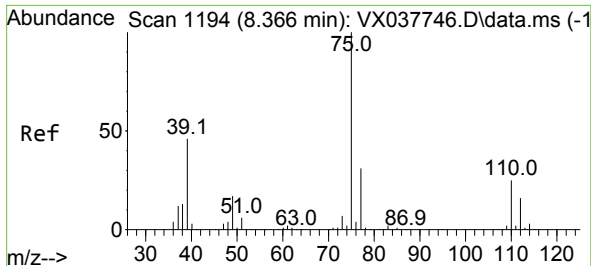
Tgt Ion: 75 Resp: 993

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

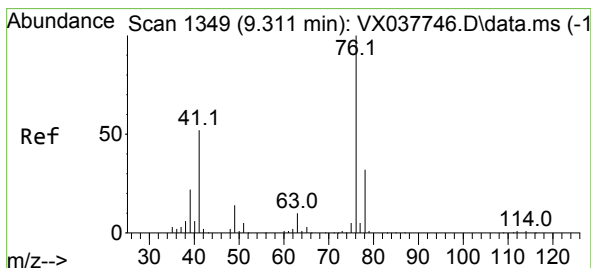
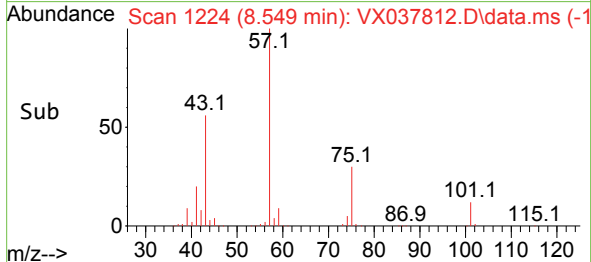
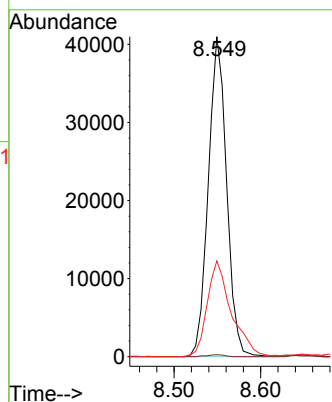
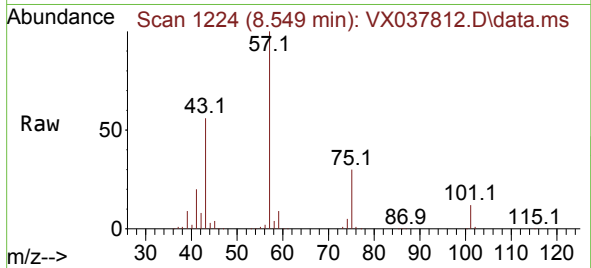




#54
 cis-1,3-Dichloropropene
 Concen: 14.469 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX037812.D
 Acq: 19 Sep 2023 17:36

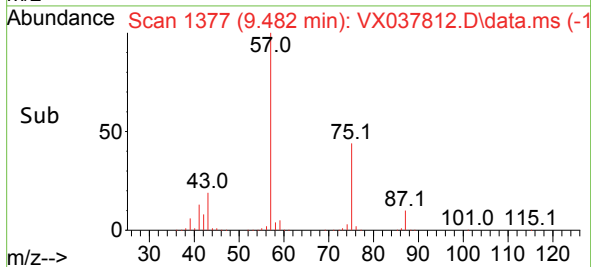
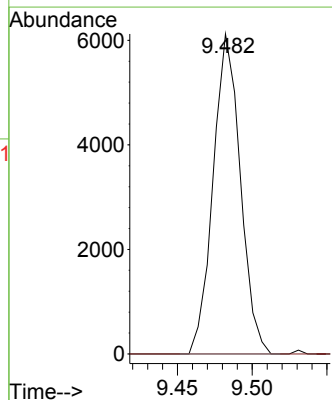
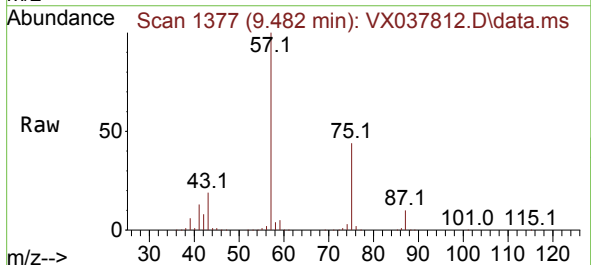
Instrument :
 MSVOA_X
 ClientSampleId :

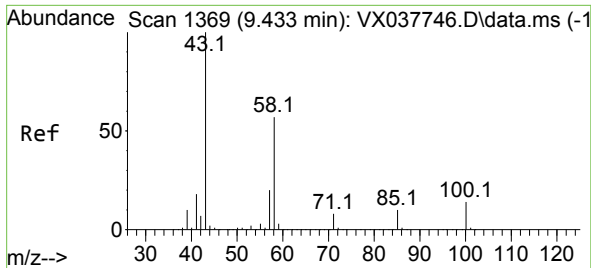
Tgt Ion: 75 Resp: 60187
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 30.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.687 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX037812.D
 Acq: 19 Sep 2023 17:36

Tgt Ion: 76 Resp: 7749
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

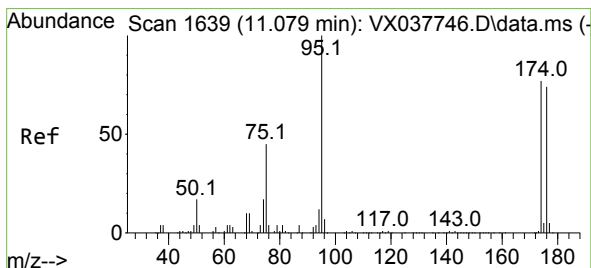
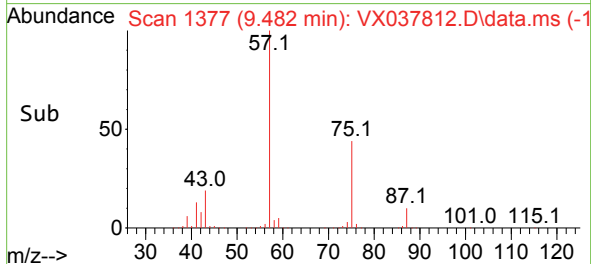
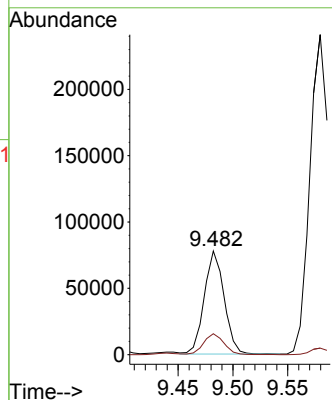
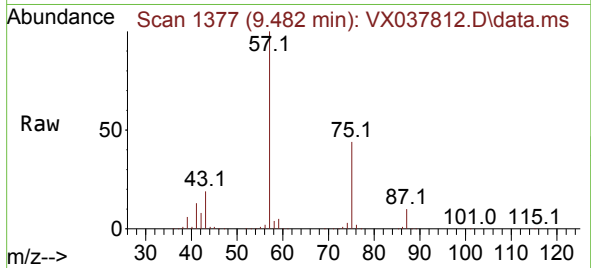




#59
2-Hexanone
Concen: 33.147 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

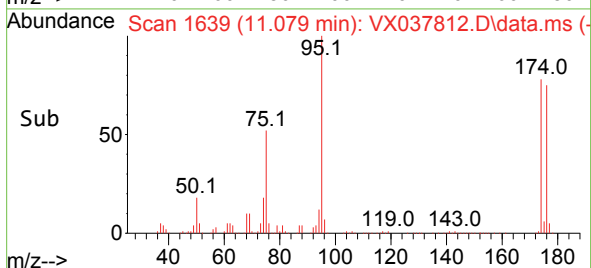
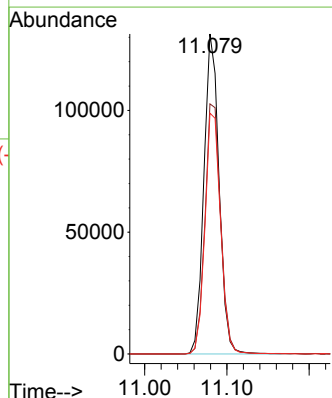
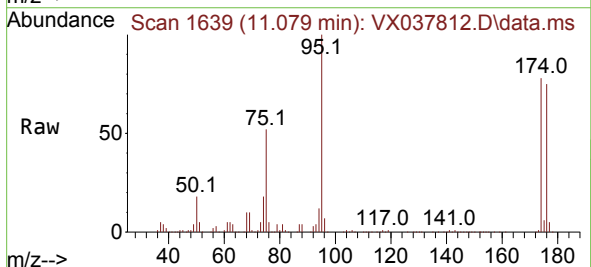
Instrument :
MSVOA_X
ClientSampleId :

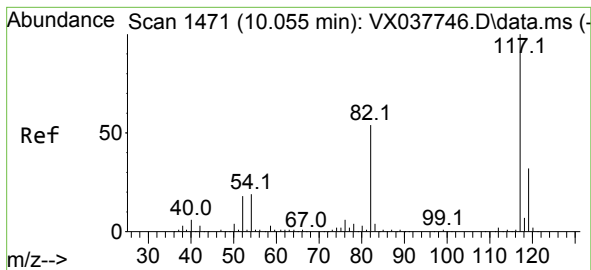
Tgt Ion: 43 Resp: 97791
Ion Ratio Lower Upper
43 100
58 21.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.407 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Tgt Ion: 95 Resp: 167852
Ion Ratio Lower Upper
95 100
174 81.6 0.0 135.6
176 78.0 0.0 131.0

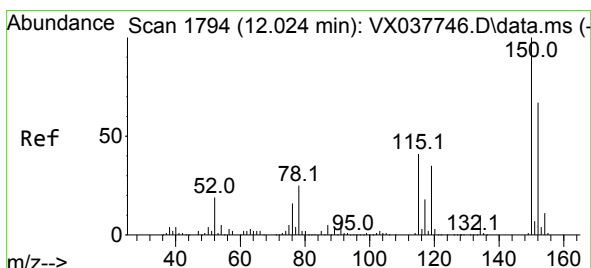
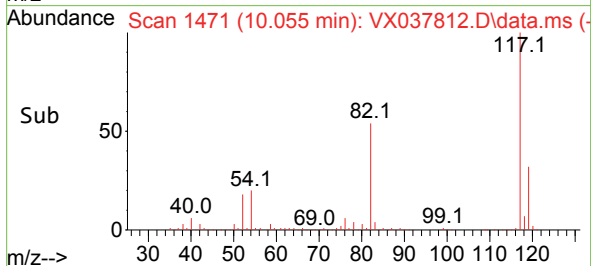
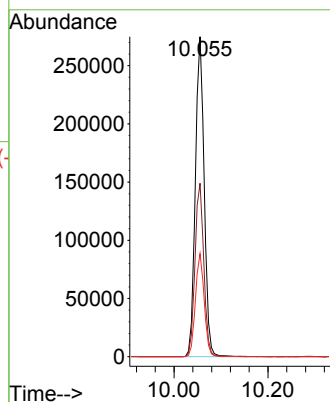
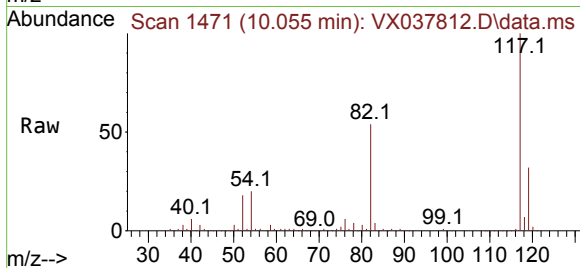




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

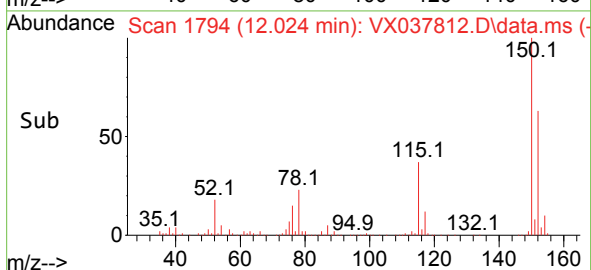
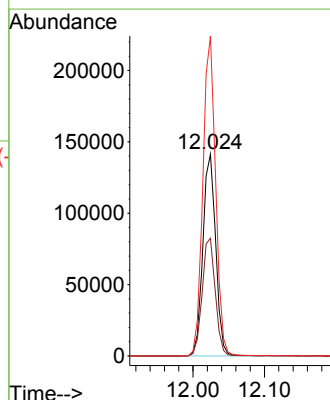
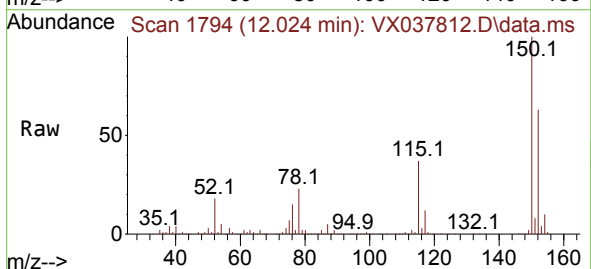
Instrument :
MSVOA_X
ClientSampleId :

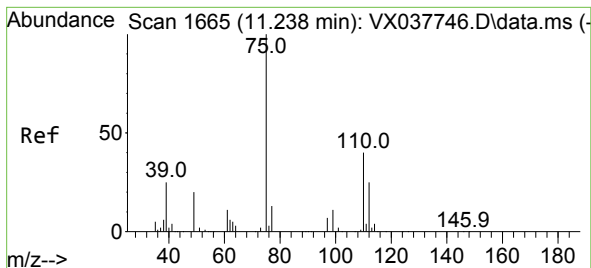
Tgt Ion:117 Resp: 362022
Ion Ratio Lower Upper
117 100
82 54.2 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037812.D
Acq: 19 Sep 2023 17:36

Tgt Ion:152 Resp: 176443
Ion Ratio Lower Upper
152 100
115 59.5 43.3 129.9
150 157.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.763 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037812.D

Acq: 19 Sep 2023 17:36

Instrument :

MSVOA_X

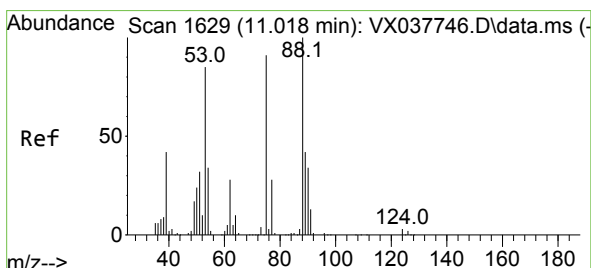
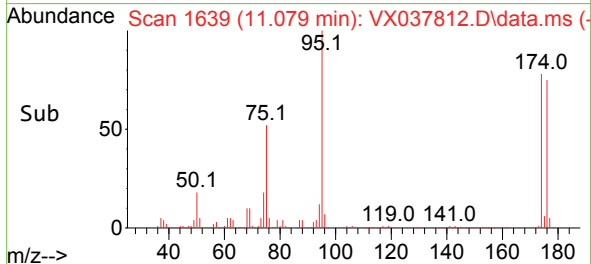
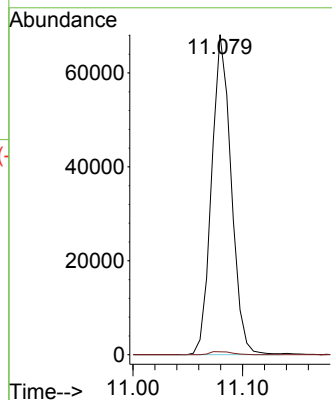
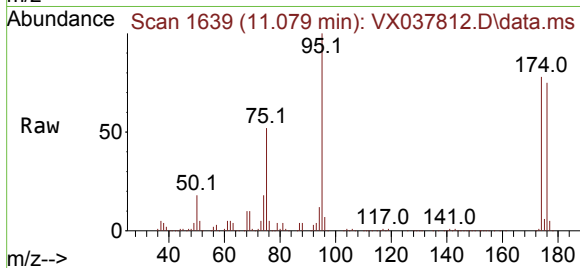
ClientSampleId :

Tgt Ion: 75 Resp: 84734

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.512 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037812.D

Acq: 19 Sep 2023 17:36

Tgt Ion: 75 Resp: 84734

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

