

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039177.D
 Acq On : 12 Dec 2023 19:37
 Operator : JC/MD
 Sample : 05726-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 13 04:20:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

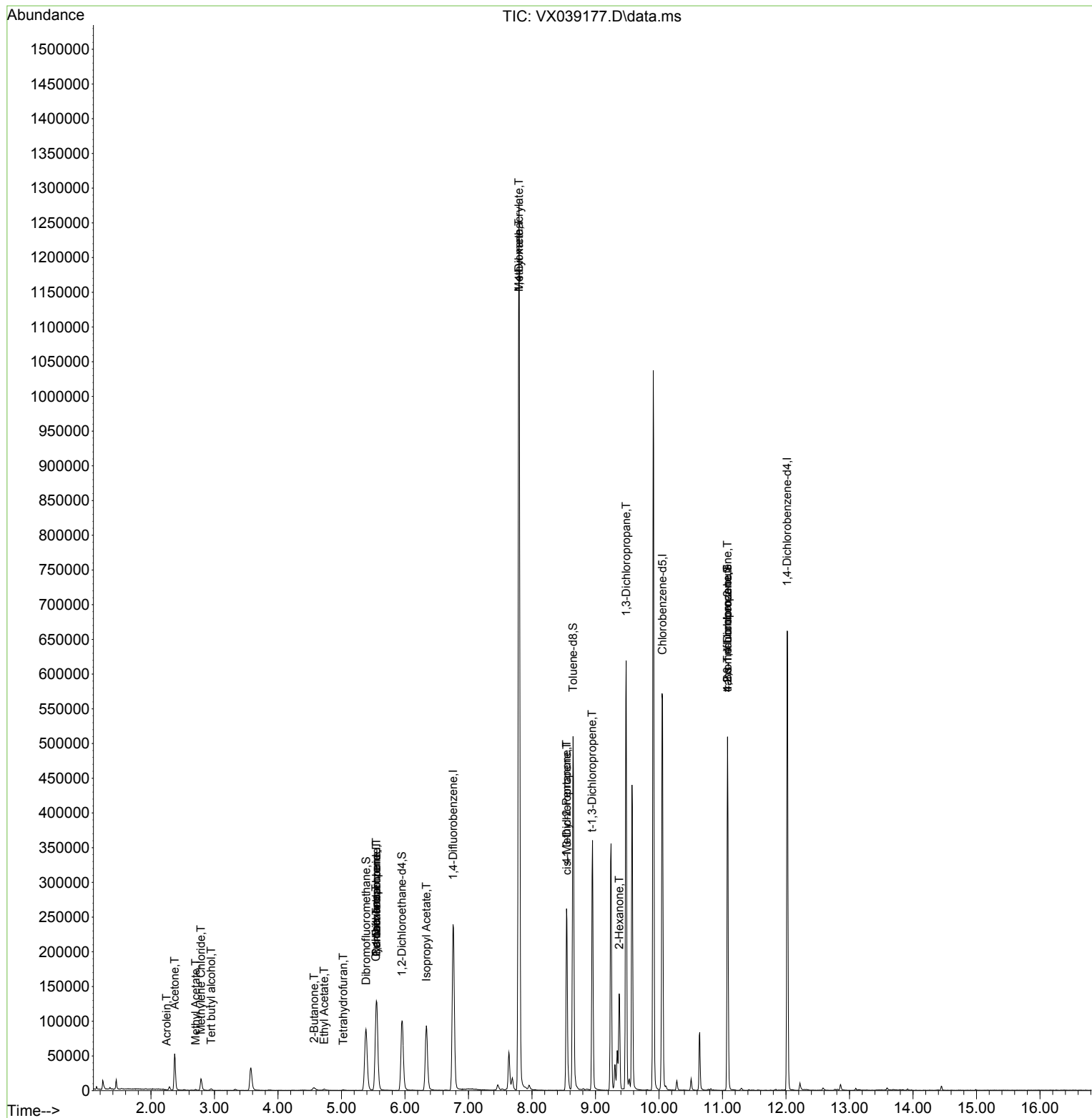
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	114069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	235205	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99945	54.376	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.760%			
35) Dibromofluoromethane	5.385	113	77687	45.733	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.460%			
50) Toluene-d8	8.647	98	297916	45.838	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.680%#			
62) 4-Bromofluorobenzene	11.079	95	137629	52.899	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.800%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	2063	4.035	ug/l #	82
13) Acrolein	2.246	56	77	0.285	ug/l #	61
16) Acetone	2.374	43	55119	56.332	ug/l	93
18) Methyl Acetate	2.703	43	1786	0.384	ug/l #	81
20) Methylene Chloride	2.788	84	7403	4.197	ug/l	95
25) 2-Butanone	4.568	43	6104	3.847	ug/l	95
29) Tetrahydrofuran	5.026	42	570	0.566	ug/l #	59
31) Cyclohexane	5.544	56	2967	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10870	4.465	ug/l #	50
37) Ethyl Acetate	4.727	43	3203	1.010	ug/l #	92
38) Carbon Tetrachloride	5.550	117	13628	6.056	ug/l #	15
43) Isopropyl Acetate	6.336	43	130609	25.765	ug/l	100
48) Methyl methacrylate	7.793	41	117329	47.703	ug/l #	48
49) 1,4-Dioxane	7.793	88	176	3.699	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	97665	30.148	ug/l #	46
53) t-1,3-Dichloropropene	8.946	75	746	0.245	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	39642	12.591	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	4951	1.606	ug/l #	42
59) 2-Hexanone	9.372	43	110640	42.610	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	74995	24.492	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	74995	54.327	ug/l #	5

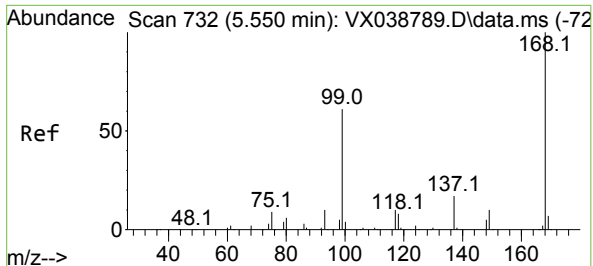
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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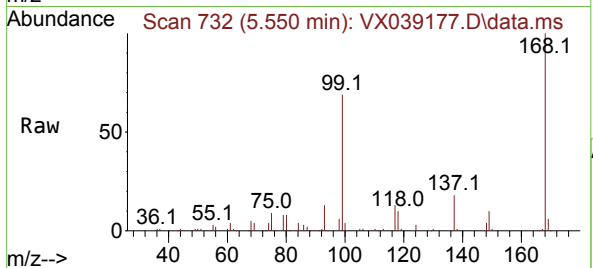
Quant Time: Dec 13 04:20:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration



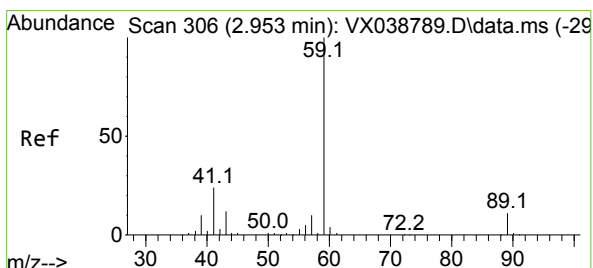
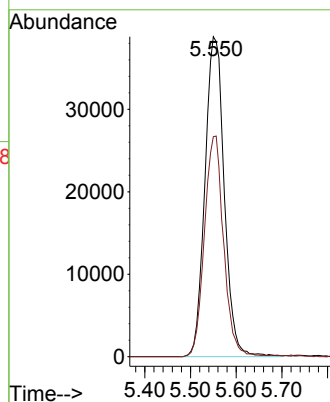
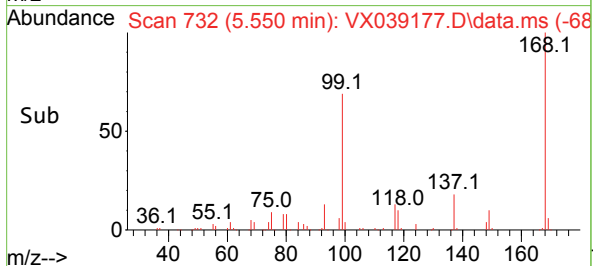


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Instrument :
MSVOA_X
ClientSampleId :

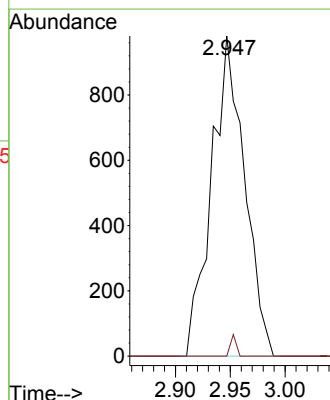
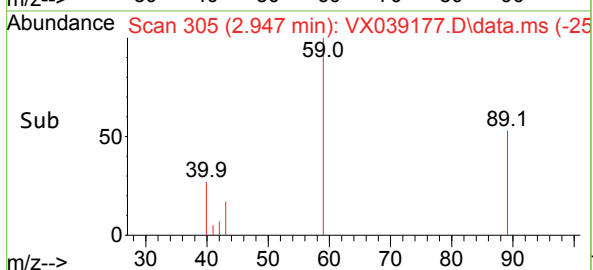
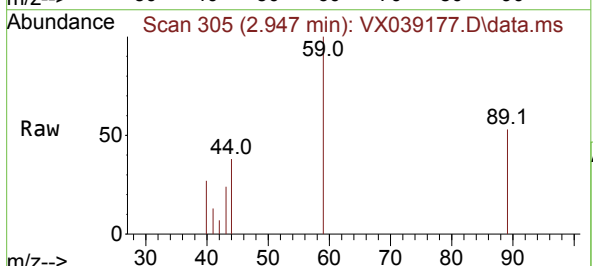


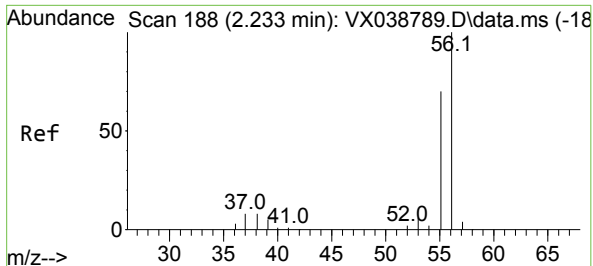
Tgt Ion:168 Resp: 114069
Ion Ratio Lower Upper
168 100
99 68.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 4.035 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Tgt Ion: 59 Resp: 2063
Ion Ratio Lower Upper
59 100
57 1.2 6.0 9.0#





#13

Acrolein

Concen: 0.285 ug/l

RT: 2.246 min Scan# 188

Delta R.T. 0.012 min

Lab File: VX039177.D

Acq: 12 Dec 2023 19:37

Instrument :

MSVOA_X

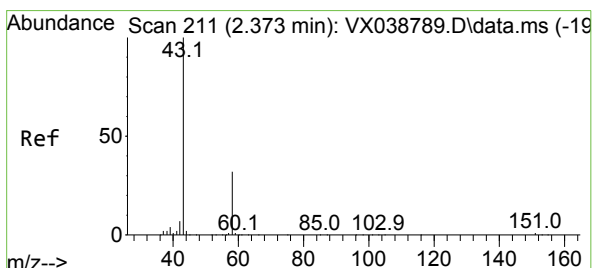
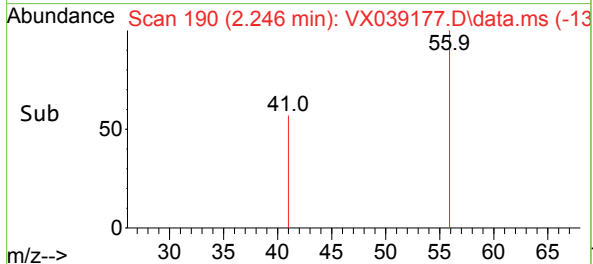
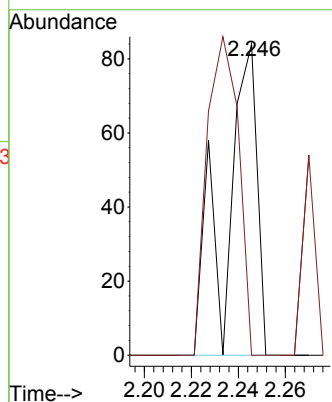
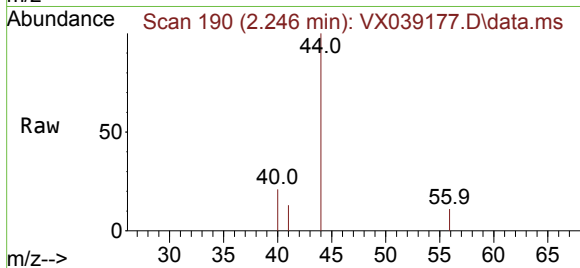
ClientSampleId :

Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

55 103.9 57.1 85.7#



#16

Acetone

Concen: 56.332 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX039177.D

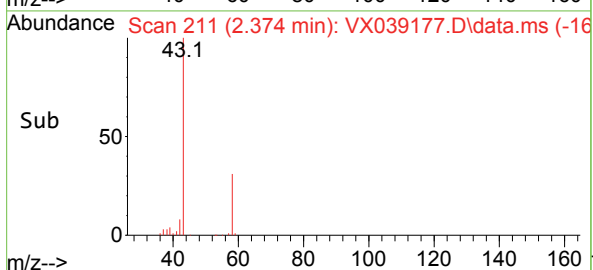
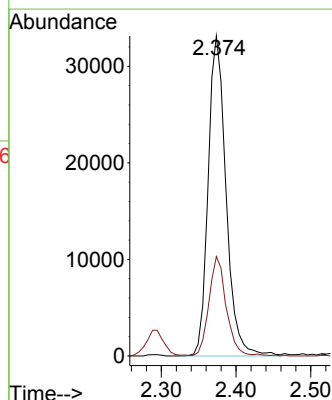
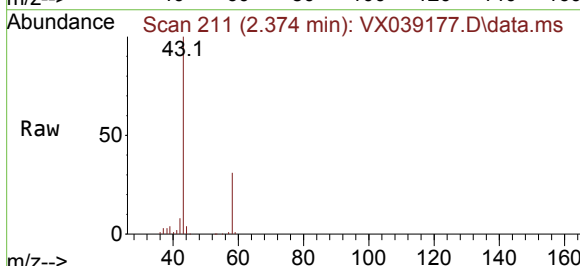
Acq: 12 Dec 2023 19:37

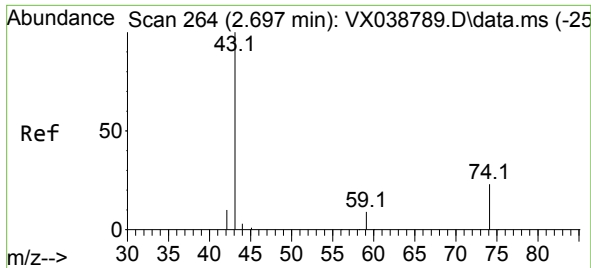
Tgt Ion: 43 Resp: 55119

Ion Ratio Lower Upper

43 100

58 31.0 21.9 32.9





#18

Methyl Acetate

Concen: 0.384 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX039177.D

Acq: 12 Dec 2023 19:37

Instrument :

MSVOA_X

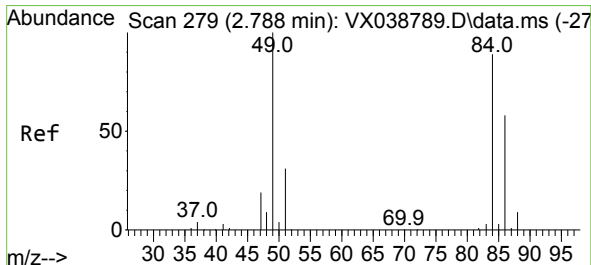
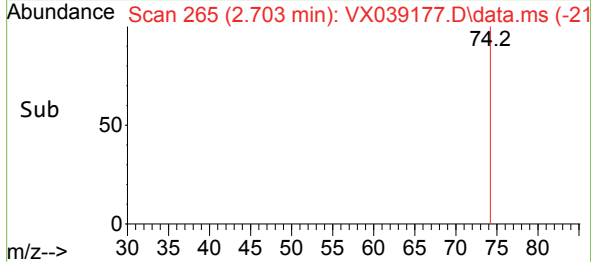
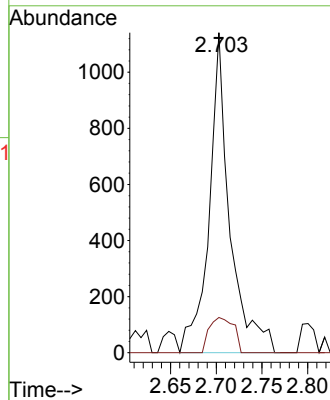
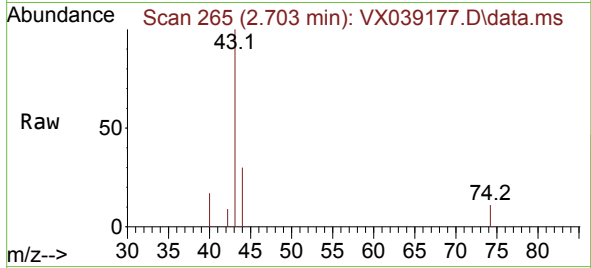
ClientSampleId :

Tgt Ion: 43 Resp: 1786

Ion Ratio Lower Upper

43 100

74 13.1 17.8 26.8#



#20

Methylene Chloride

Concen: 4.197 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX039177.D

Acq: 12 Dec 2023 19:37

Tgt Ion: 84 Resp: 7403

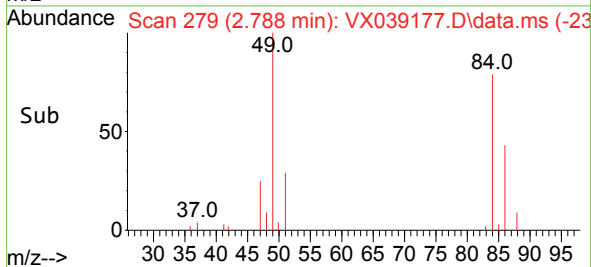
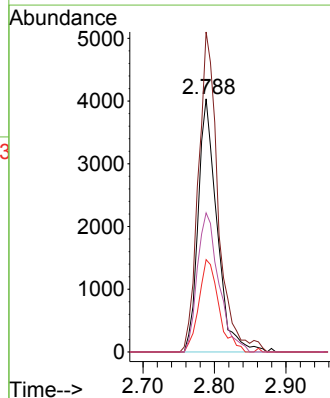
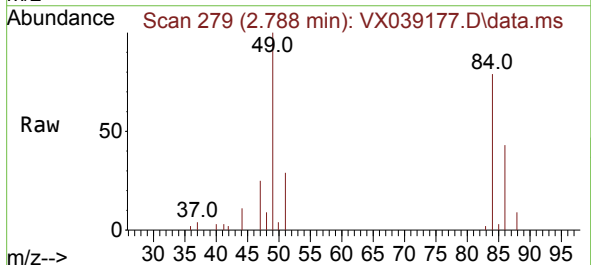
Ion Ratio Lower Upper

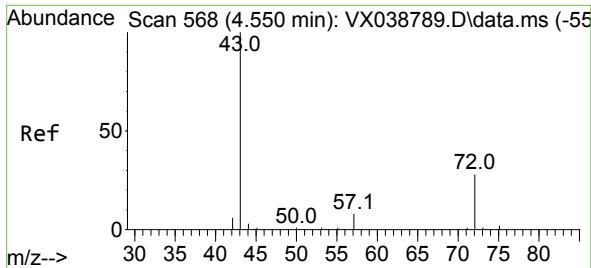
84 100

49 126.4 103.6 155.4

51 36.5 33.8 50.6

86 54.9 49.4 74.0

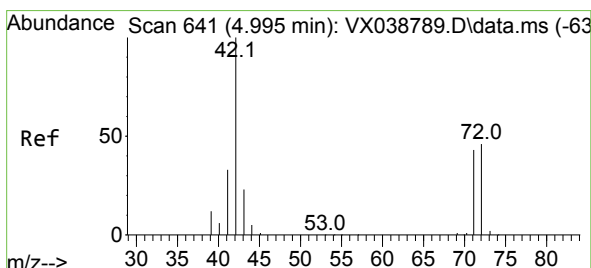
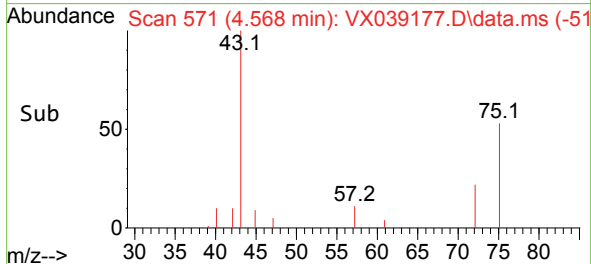
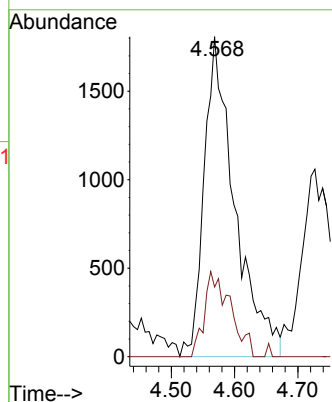
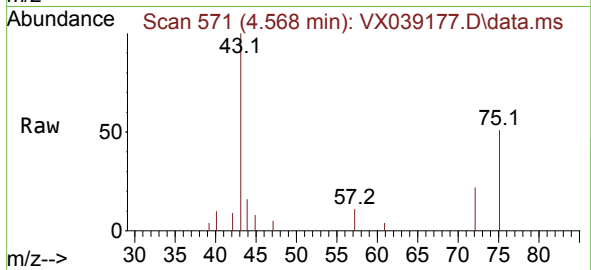




#25
2-Butanone
Concen: 3.847 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

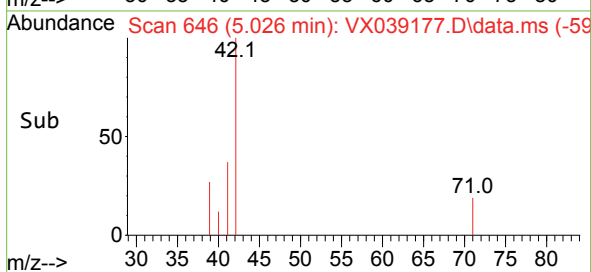
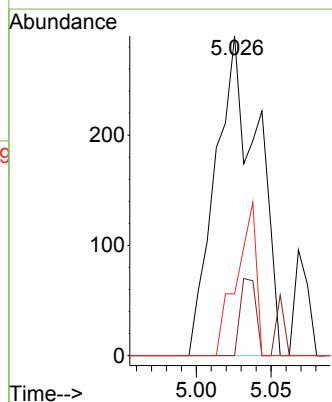
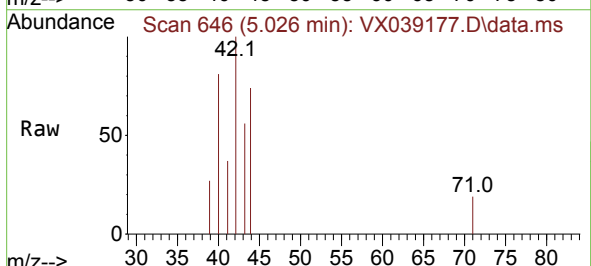
Instrument :
MSVOA_X
ClientSampleId :

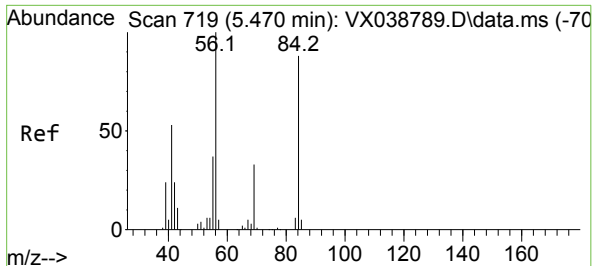
Tgt Ion: 43 Resp: 6104
Ion Ratio Lower Upper
43 100
72 21.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.566 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.031 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

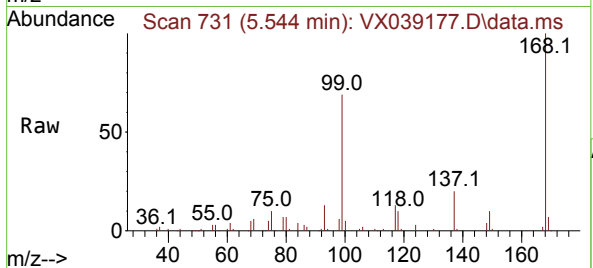
Tgt Ion: 42 Resp: 570
Ion Ratio Lower Upper
42 100
72 8.8 34.2 51.4#
71 22.5 32.2 48.2#



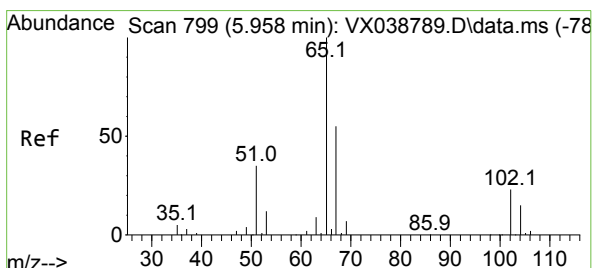
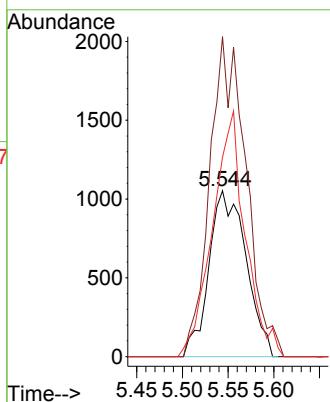
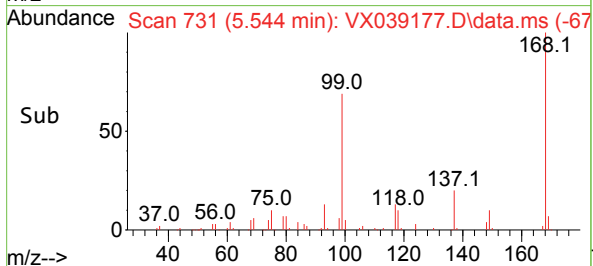


#31
Cyclohexane
Concen: 1.131 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Instrument :
MSVOA_X
ClientSampleId :

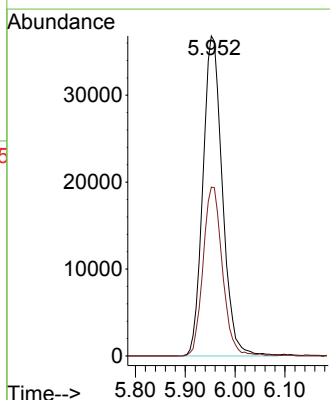
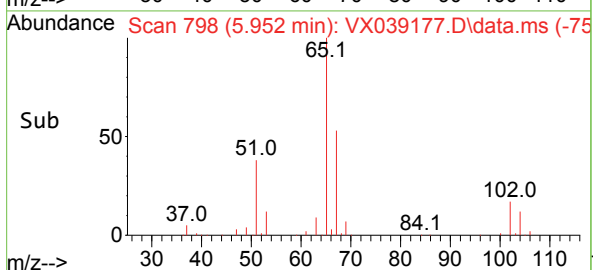
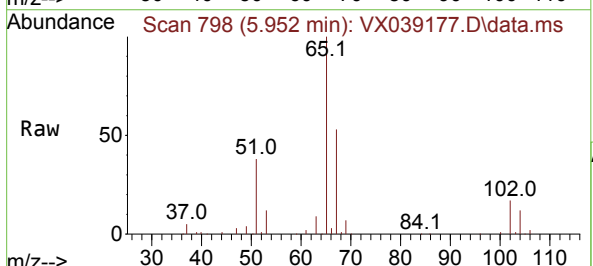


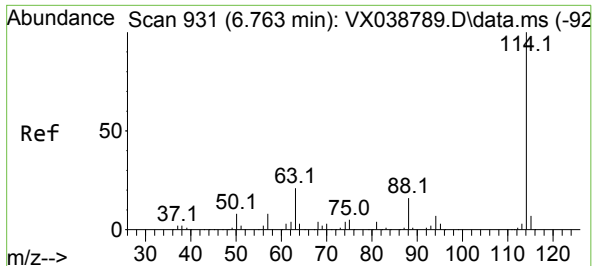
Tgt Ion: 56 Resp: 2967
Ion Ratio Lower Upper
56 100
69 192.8 23.4 35.2#
84 120.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 54.376 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Tgt Ion: 65 Resp: 99945
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2

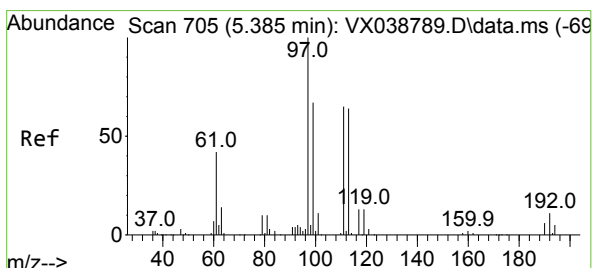
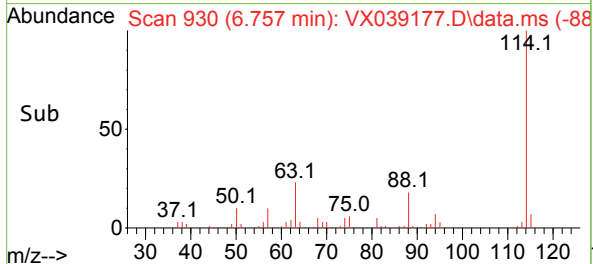
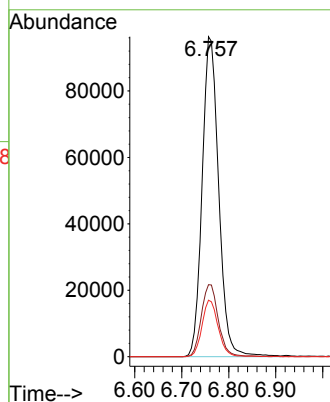
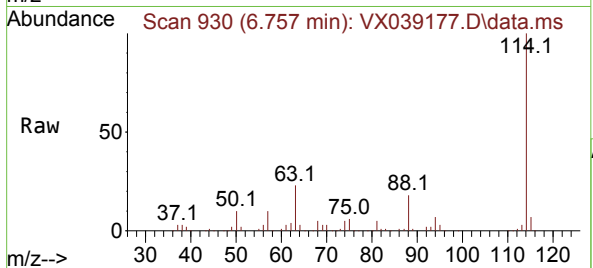




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX039177.D
 Acq: 12 Dec 2023 19:37

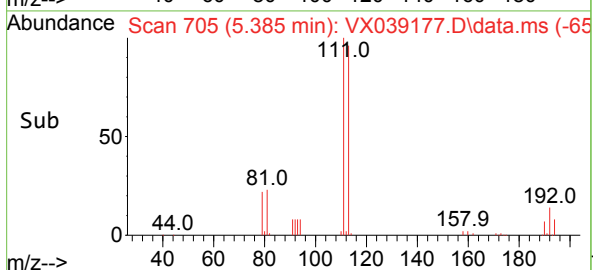
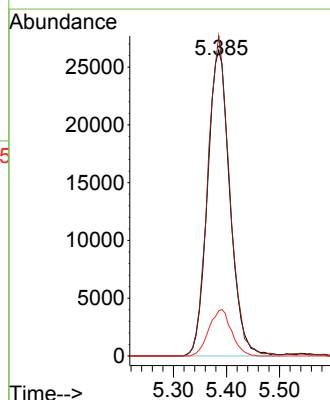
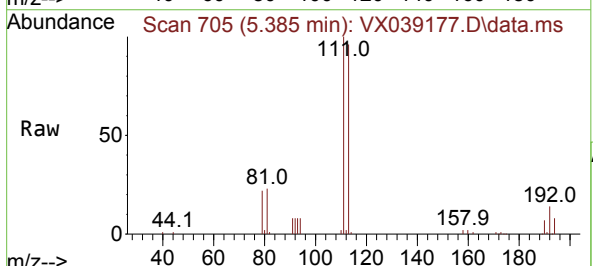
Instrument :
 MSVOA_X
 ClientSampleId :

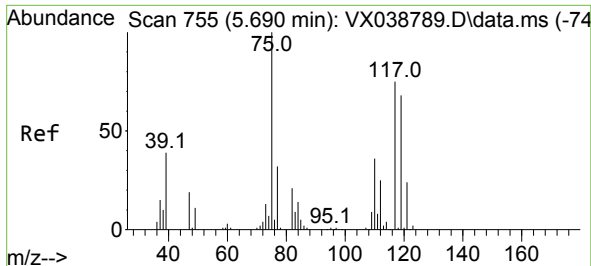
Tgt Ion:114 Resp: 235205
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 17.6 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 45.733 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX039177.D
 Acq: 12 Dec 2023 19:37

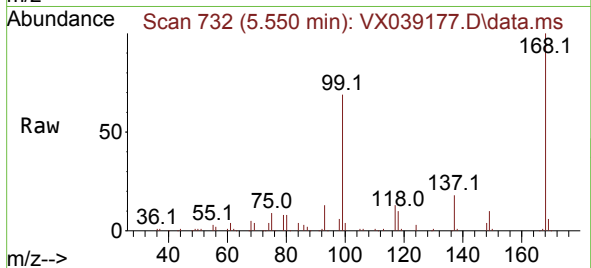
Tgt Ion:113 Resp: 77687
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.9 124.3
 192 15.3 13.3 19.9



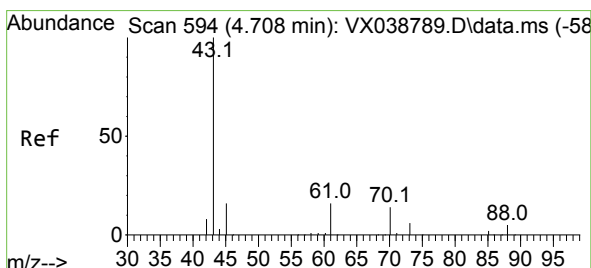
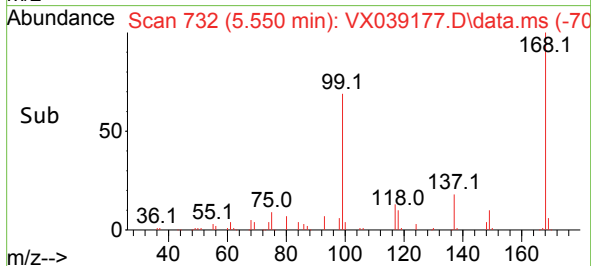
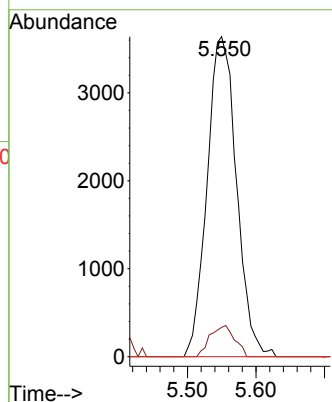


#36
1,1-Dichloropropene
Concen: 4.465 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Instrument :
MSVOA_X
ClientSampleId :

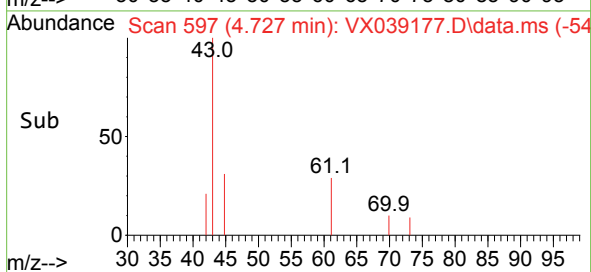
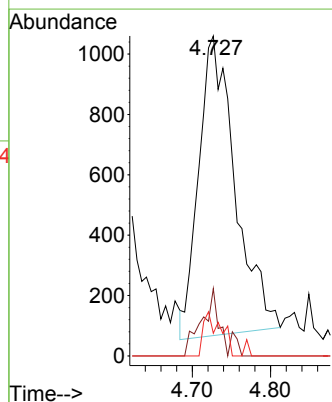
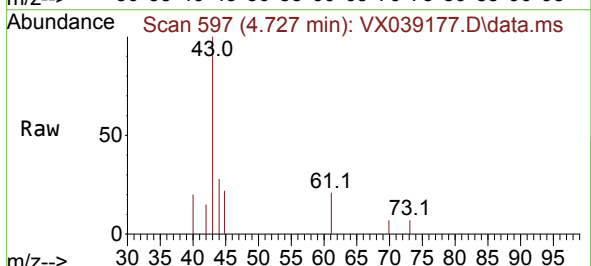


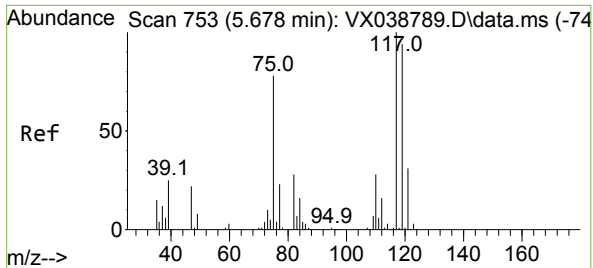
Tgt Ion: 75 Resp: 10870
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.010 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.018 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

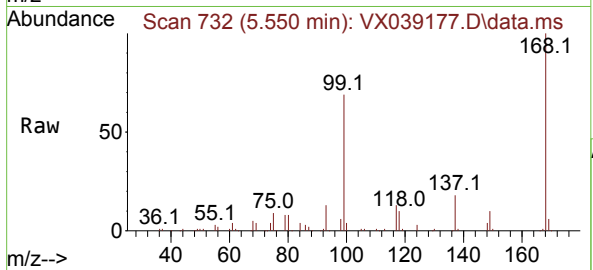
Tgt Ion: 43 Resp: 3203
Ion Ratio Lower Upper
43 100
61 10.5 10.6 16.0#
70 7.1 8.3 12.5#



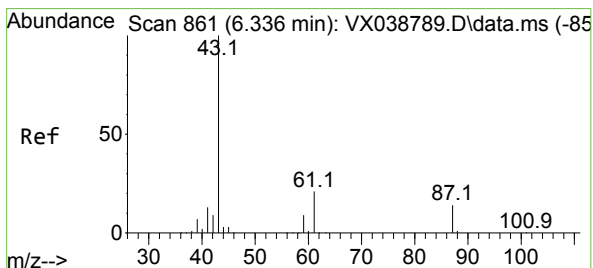
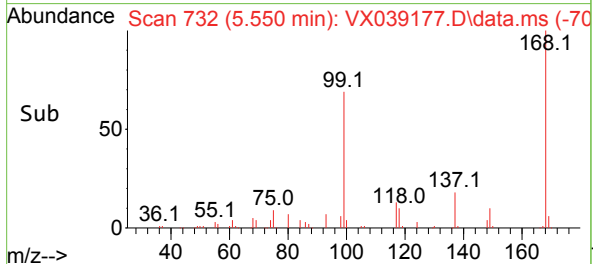
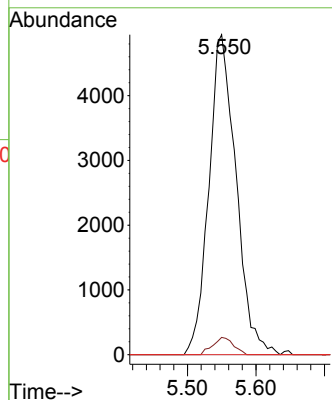


#38
Carbon Tetrachloride
Concen: 6.056 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Instrument :
MSVOA_X
ClientSampleId :

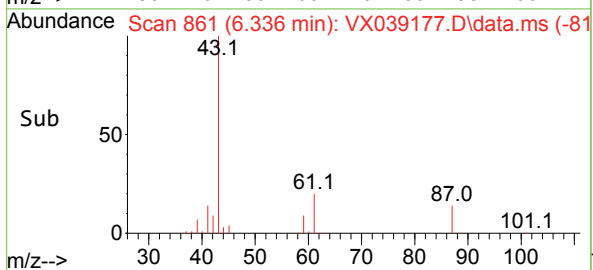
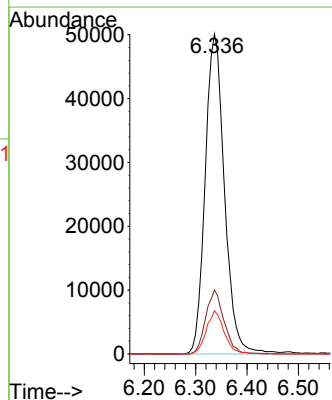
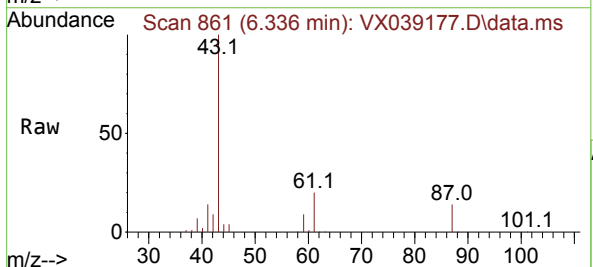


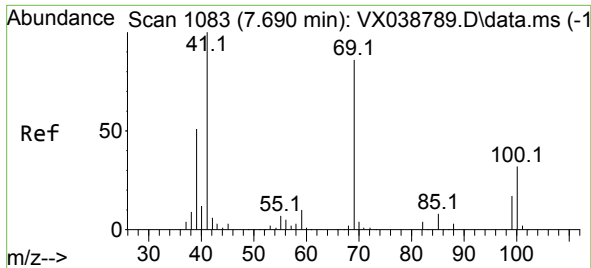
Tgt Ion:117 Resp: 13628
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 25.765 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Tgt Ion: 43 Resp: 130609
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.4 9.8 14.6

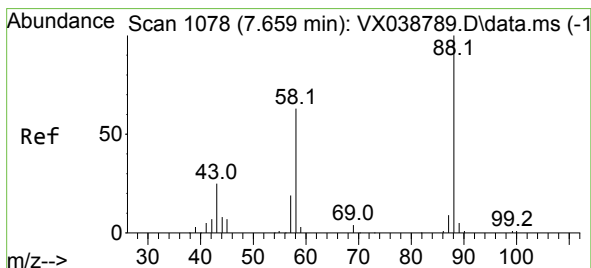
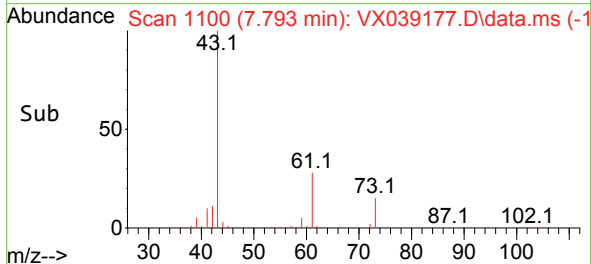
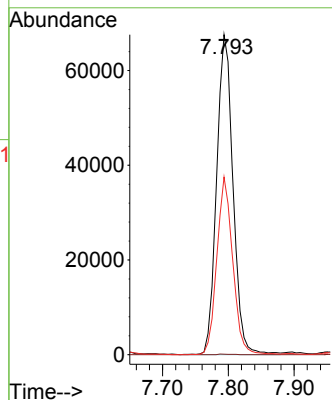
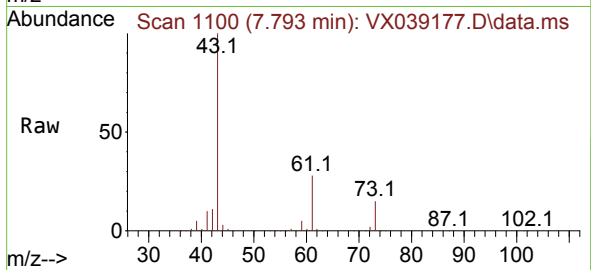




#48
Methyl methacrylate
Concen: 47.703 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

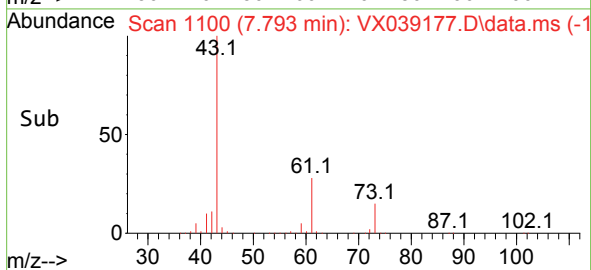
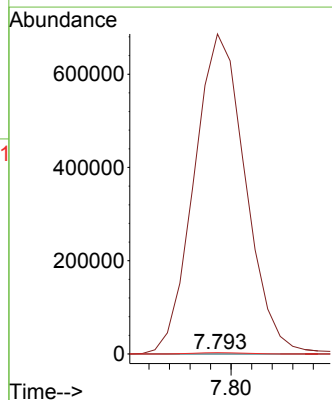
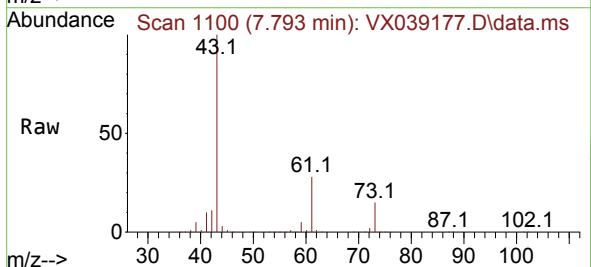
Instrument :
MSVOA_X
ClientSampleId :

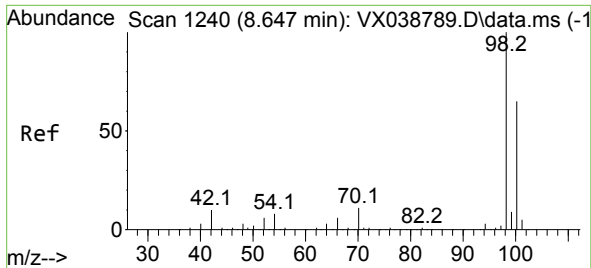
Tgt Ion: 41 Resp: 117329
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.9 47.7 71.5



#49
1,4-Dioxane
Concen: 3.699 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
43 684710.8 0.0 0.0#
58 2780.1 60.1 90.1#

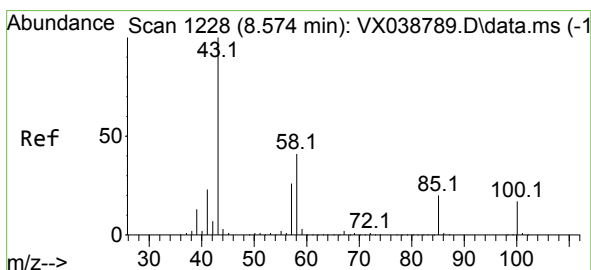
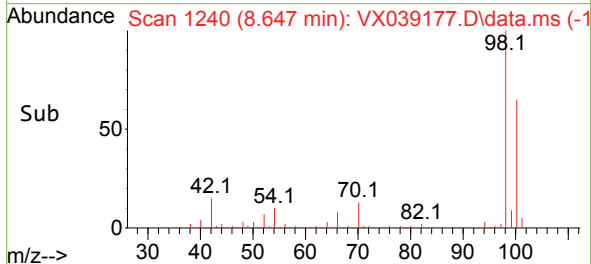
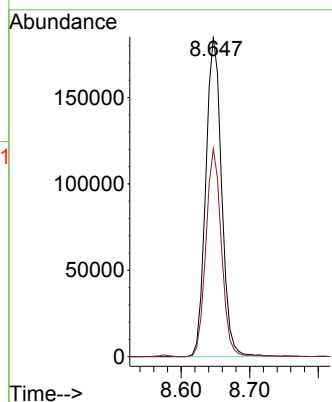
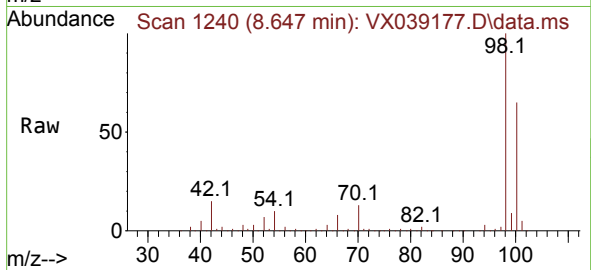




#50
Toluene-d8
Concen: 45.838 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

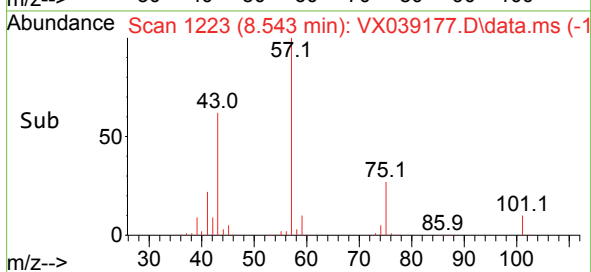
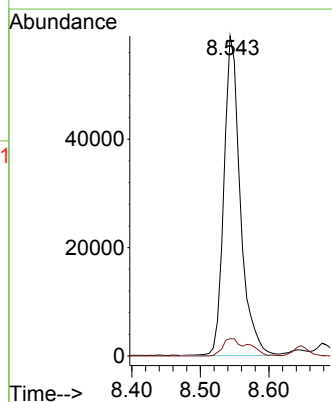
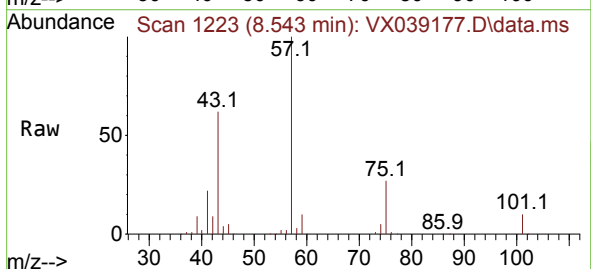
Instrument :
MSVOA_X
ClientSampleId :

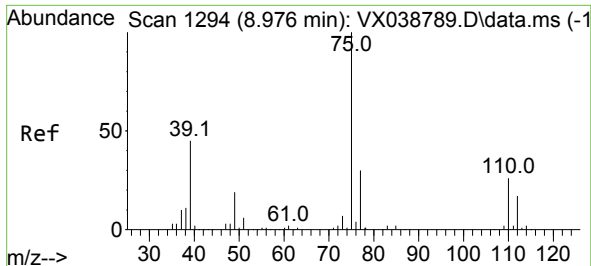
Tgt Ion: 98 Resp: 297916
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 30.148 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Tgt Ion: 43 Resp: 97665
Ion Ratio Lower Upper
43 100
58 5.7 30.4 45.6#

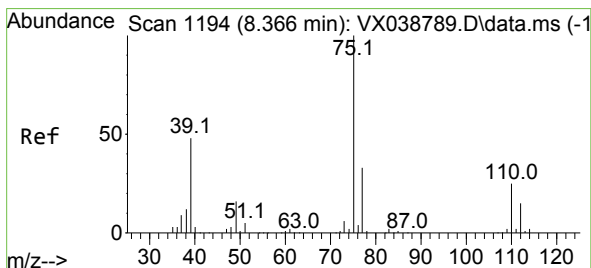
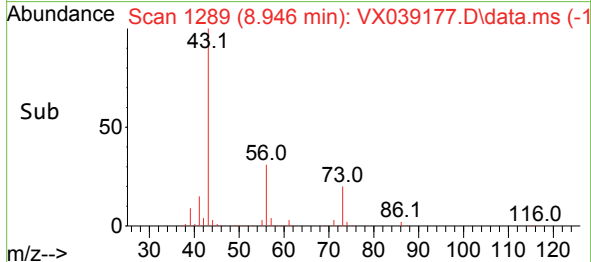
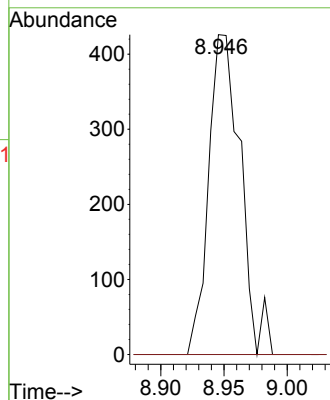
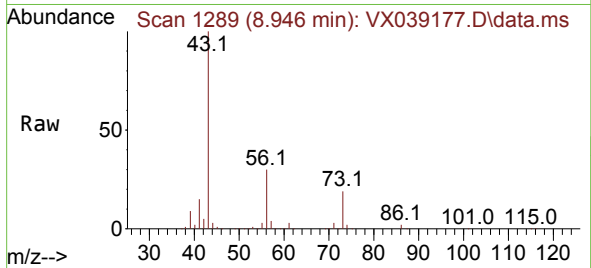




#53
 t-1,3-Dichloropropene
 Concen: 0.245 ug/l
 RT: 8.946 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX039177.D
 Acq: 12 Dec 2023 19:37

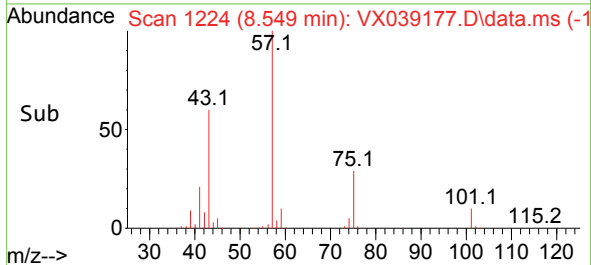
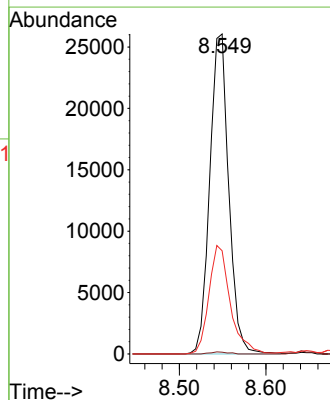
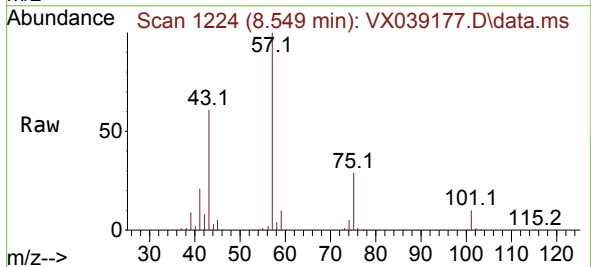
Instrument :
 MSVOA_X
 ClientSampleId :

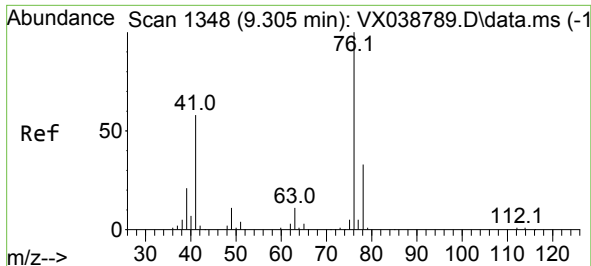
Tgt Ion: 75 Resp: 746
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.591 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039177.D
 Acq: 12 Dec 2023 19:37

Tgt Ion: 75 Resp: 39642
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 32.2 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.606 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX039177.D

Acq: 12 Dec 2023 19:37

Instrument :

MSVOA_X

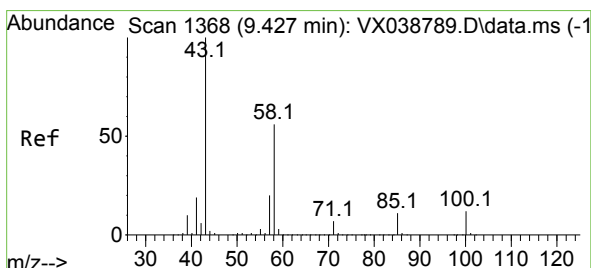
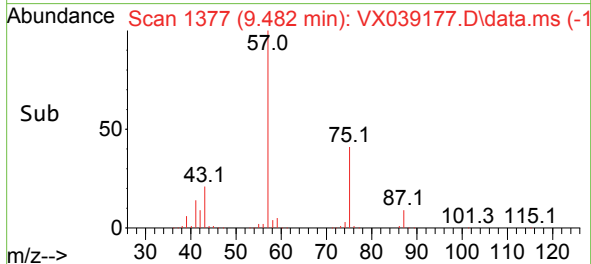
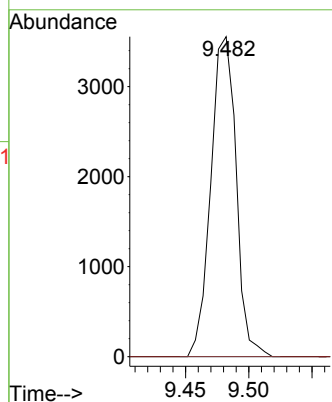
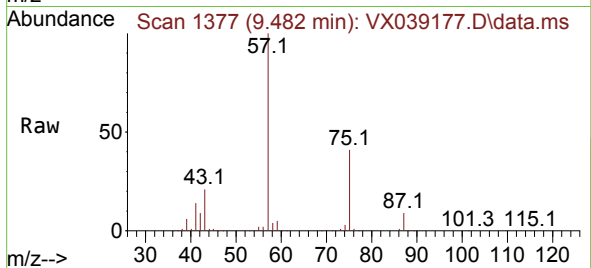
ClientSampleId :

Tgt Ion: 76 Resp: 4951

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 42.610 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX039177.D

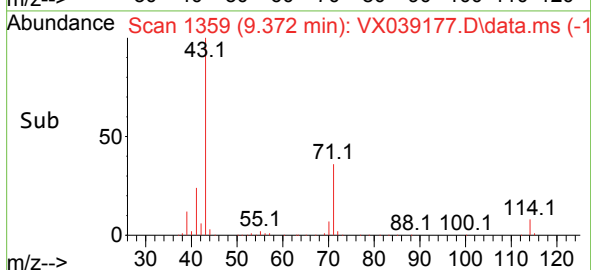
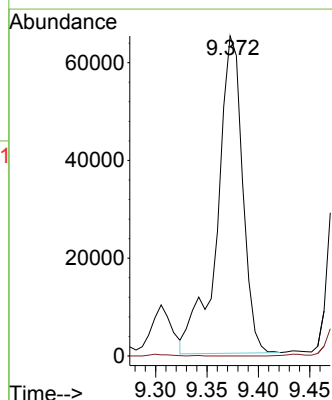
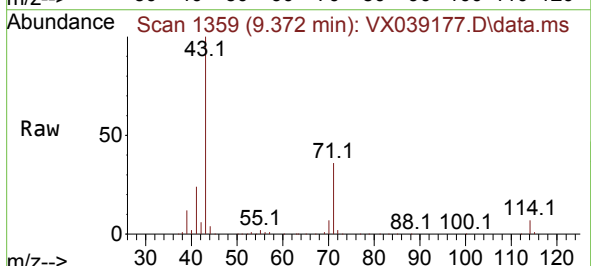
Acq: 12 Dec 2023 19:37

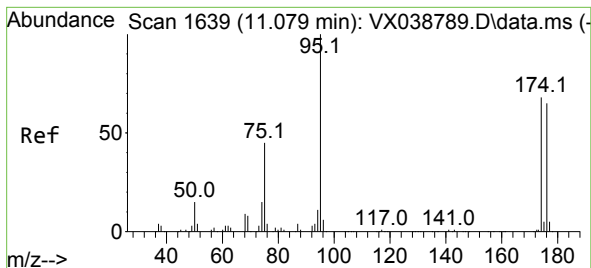
Tgt Ion: 43 Resp: 110640

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

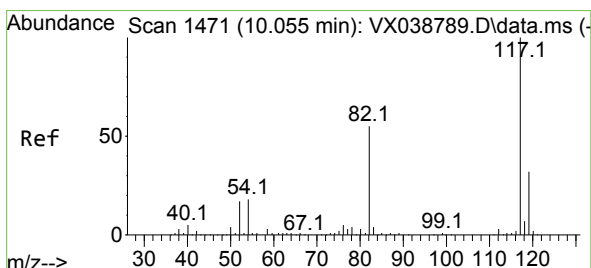
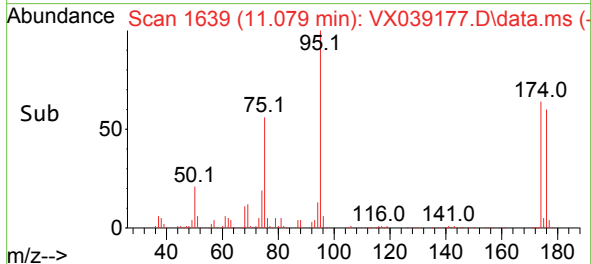
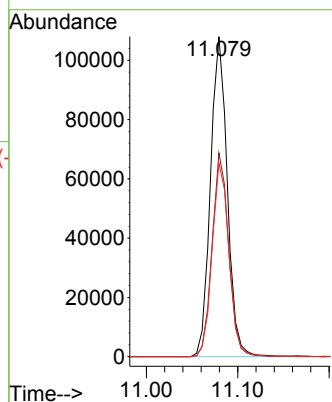
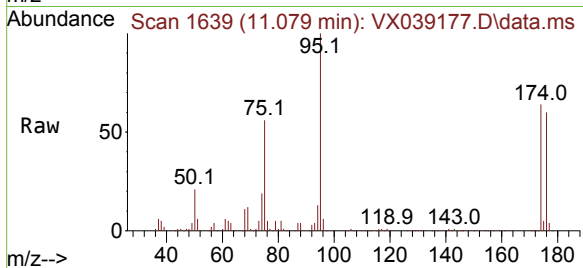




#62
4-Bromofluorobenzene
Concen: 52.899 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

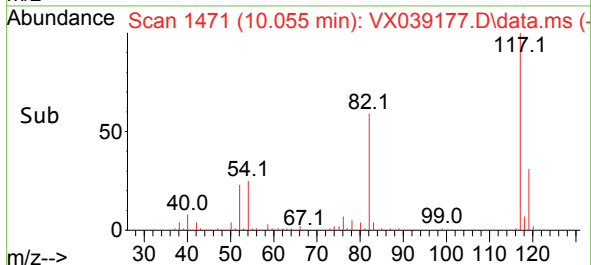
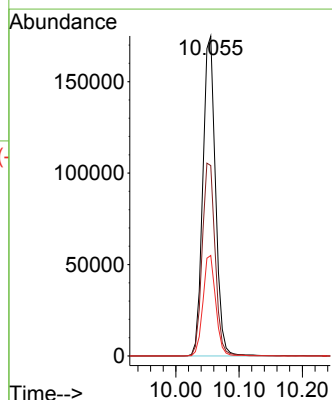
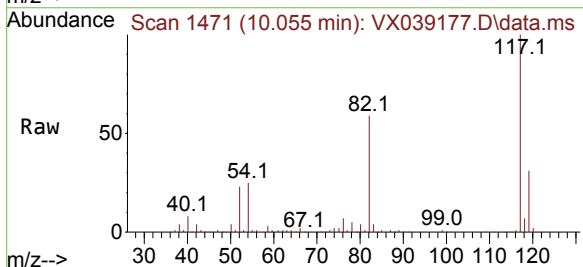
Instrument :
MSVOA_X
ClientSampleId :

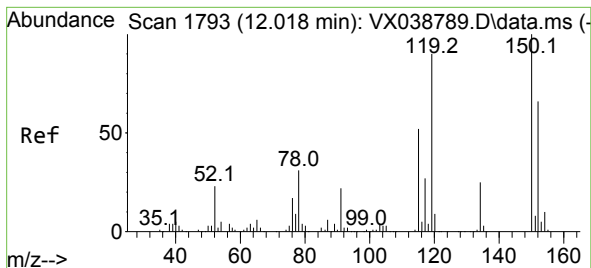
Tgt Ion: 95 Resp: 137629
Ion Ratio Lower Upper
95 100
174 63.0 0.0 135.6
176 60.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039177.D
Acq: 12 Dec 2023 19:37

Tgt Ion: 117 Resp: 244209
Ion Ratio Lower Upper
117 100
82 59.5 46.2 69.4
119 31.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039177.D

Acq: 12 Dec 2023 19:37

Instrument :

MSVOA_X

ClientSampleId :

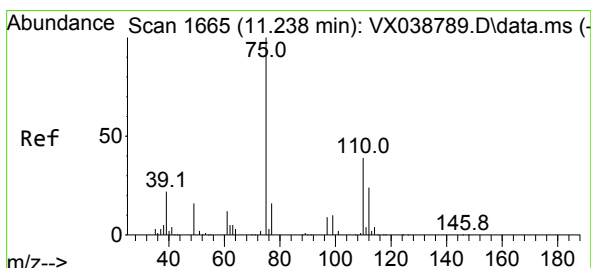
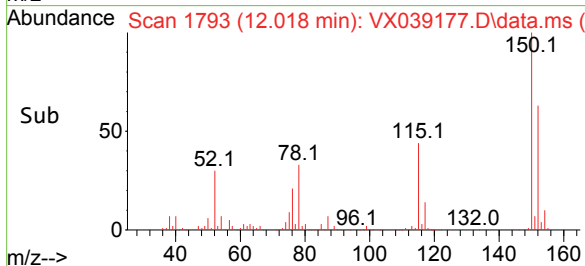
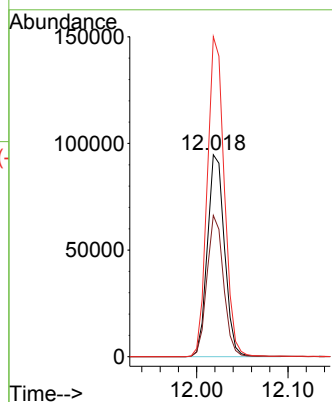
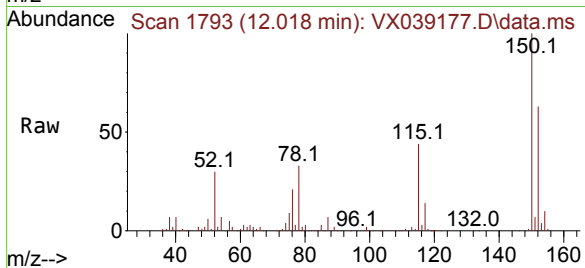
Tgt Ion:152 Resp: 122725

Ion Ratio Lower Upper

152 100

115 67.8 43.3 129.9

150 157.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.492 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039177.D

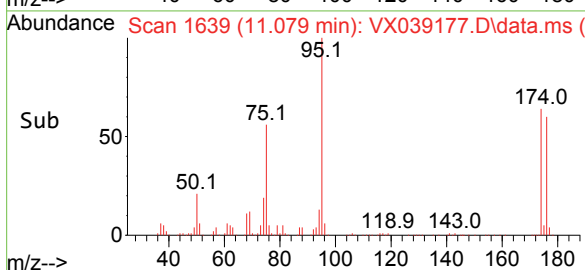
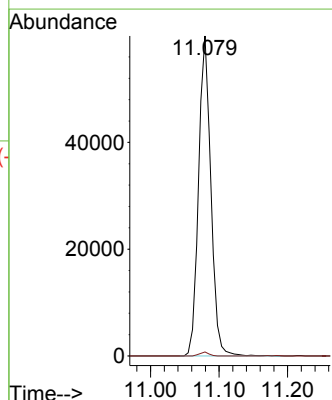
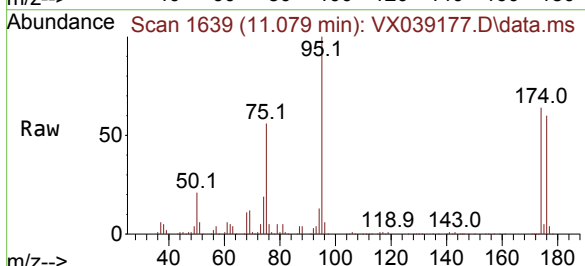
Acq: 12 Dec 2023 19:37

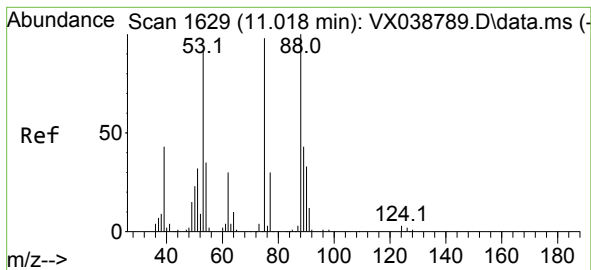
Tgt Ion: 75 Resp: 74995

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.327 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039177.D
 Acq: 12 Dec 2023 19:37

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 74995
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

