

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038337.D
 Acq On : 17 Oct 2023 18:14
 Operator : JC/MD
 Sample : 04908-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 04:03:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

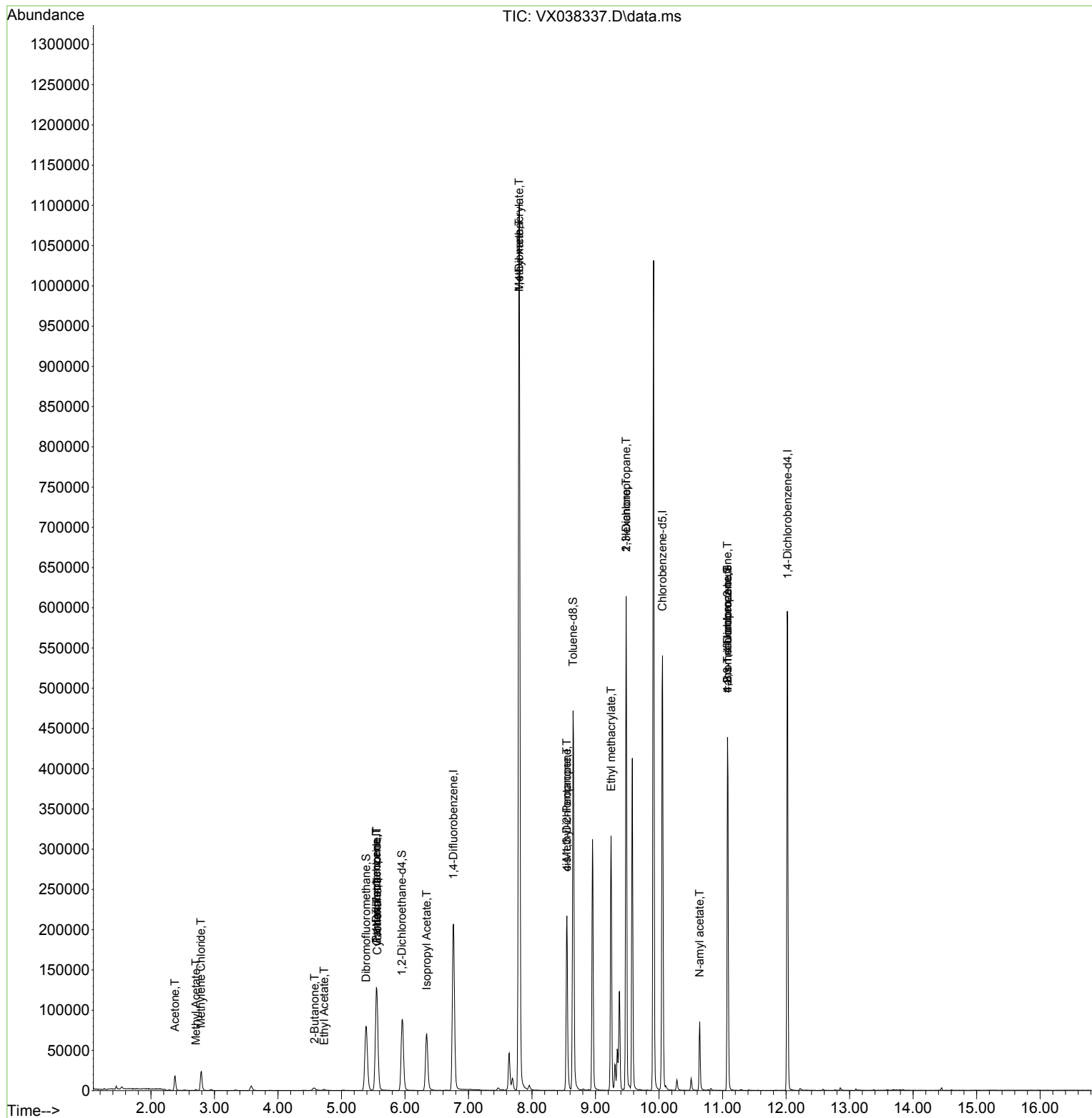
Internal Standards						
1) Pentafluorobenzene	5.550	168	121833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86819	44.304	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.600%		
35) Dibromofluoromethane	5.385	113	68937	43.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.020%		
50) Toluene-d8	8.647	98	286870	47.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.780%		
62) 4-Bromofluorobenzene	11.079	95	113745	49.560	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.120%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.550	94	18	Below Cal	#	3
6) Chloroethane	1.672	64	138	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	1039	Below Cal	#	78
16) Acetone	2.380	43	19169	23.439	ug/l #	88
18) Methyl Acetate	2.709	43	1203	0.343	ug/l	95
20) Methylene Chloride	2.788	84	11100	7.216	ug/l	99
25) 2-Butanone	4.574	43	2742	2.078	ug/l #	89
31) Cyclohexane	5.562	56	2803	1.320	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	9928	4.544	ug/l #	51
37) Ethyl Acetate	4.727	43	2687	1.036	ug/l #	86
38) Carbon Tetrachloride	5.556	117	12313	5.729	ug/l #	17
43) Isopropyl Acetate	6.342	43	95989	24.782	ug/l	98
48) Methyl methacrylate	7.799	41	99422	53.768	ug/l #	50
49) 1,4-Dioxane	7.799	88	142	3.116	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	76636	28.685	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	35402	14.386	ug/l #	60
56) Ethyl methacrylate	9.244	69	892	0.342	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5049	1.834	ug/l #	42
59) 2-Hexanone	9.482	43	66565	30.992	ug/l #	55
74) N-amyl acetate	10.640	43	19267	5.477	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	60726	21.744	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	60726	62.404	ug/l #	5

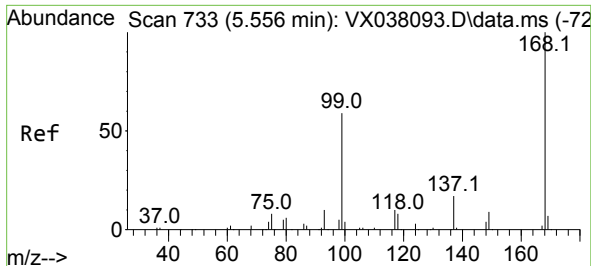
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

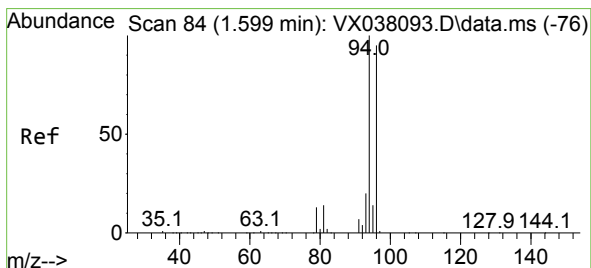
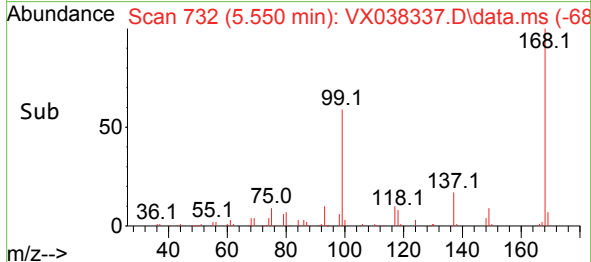
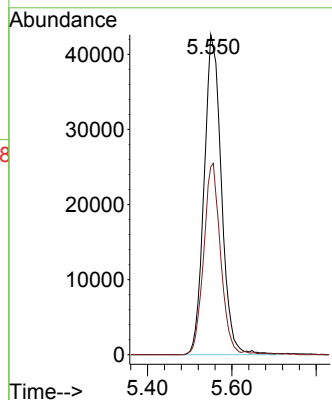
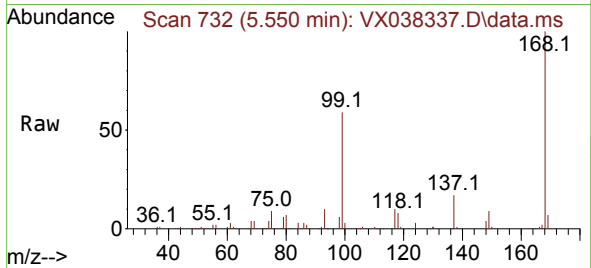




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

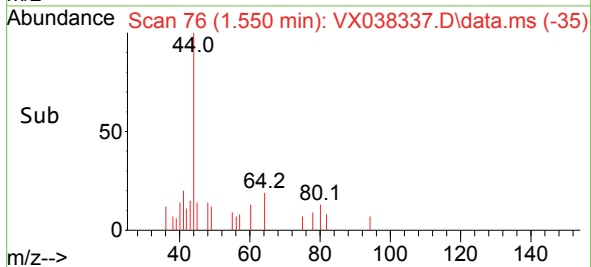
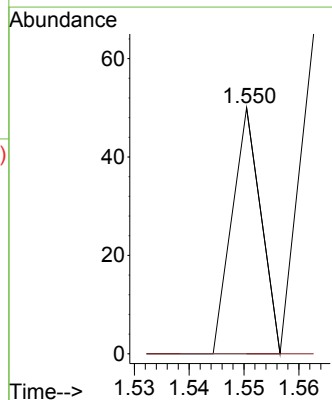
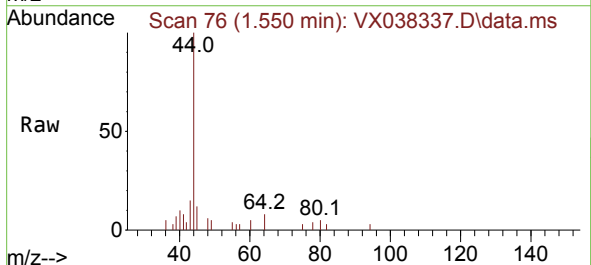
Instrument :
MSVOA_X
ClientSampleId :

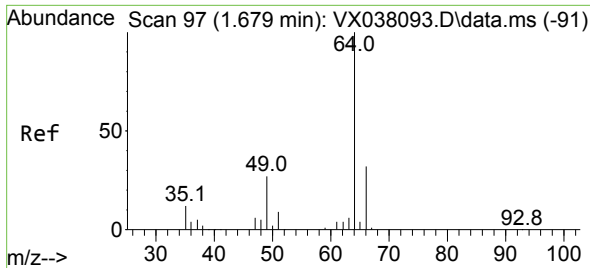
Tgt Ion:168 Resp: 121833
Ion Ratio Lower Upper
168 100
99 58.7 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.550 min Scan# 76
Delta R.T. -0.049 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

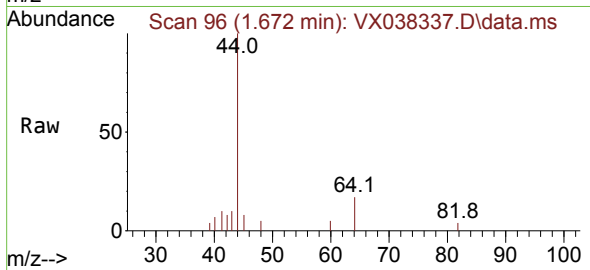
Tgt Ion: 94 Resp: 18
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



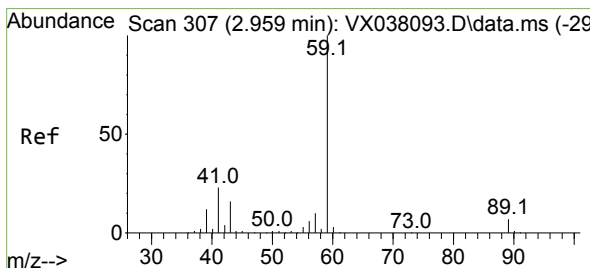
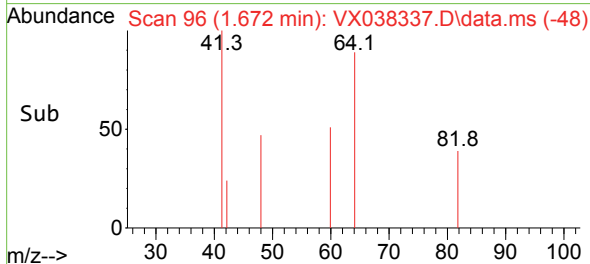
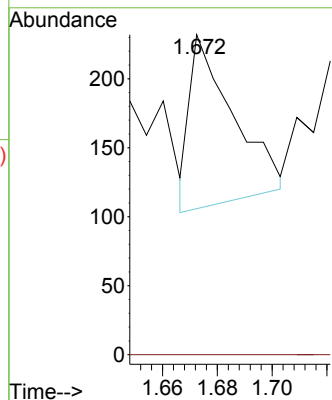


#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Instrument :
MSVOA_X
ClientSampleId :

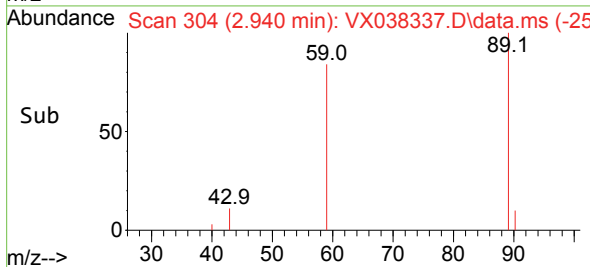
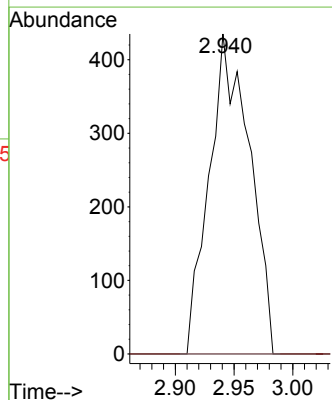
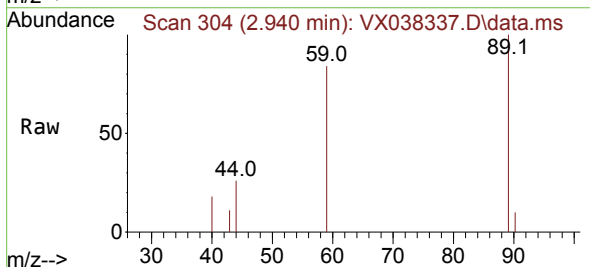


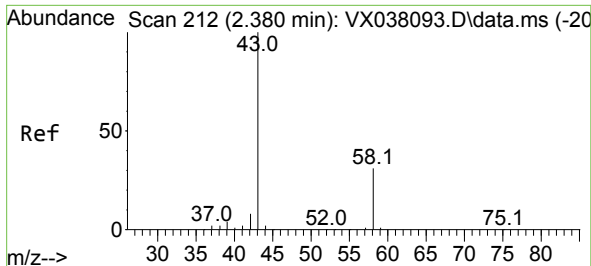
Tgt Ion: 64 Resp: 138
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.019 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Tgt Ion: 59 Resp: 1039
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

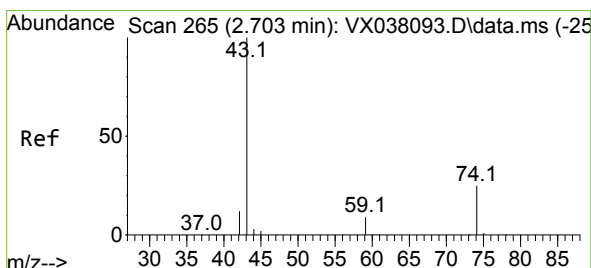
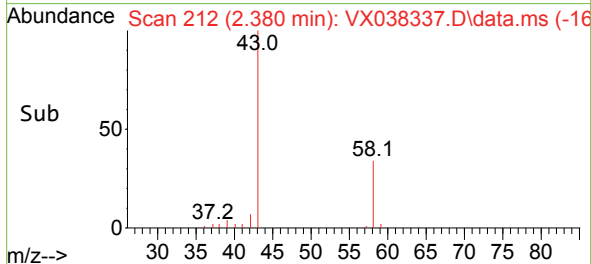
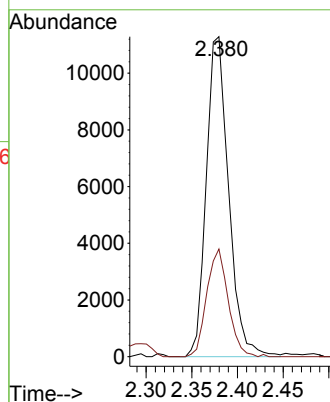
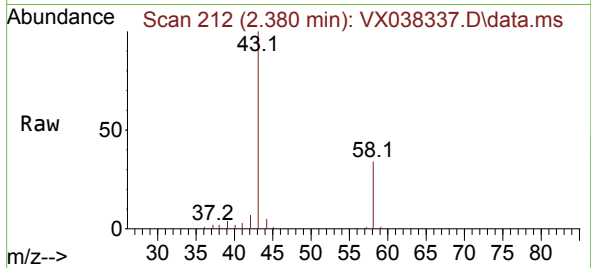




#16
Acetone
Concen: 23.439 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

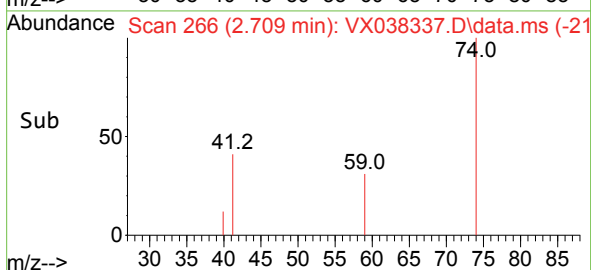
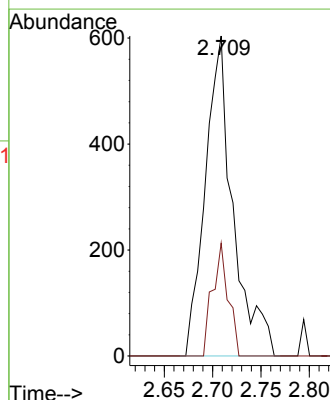
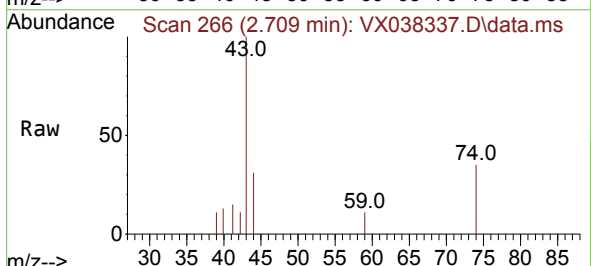
Instrument :
MSVOA_X
ClientSampleId :

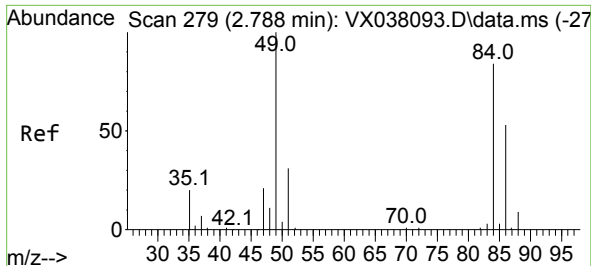
Tgt Ion: 43 Resp: 19169
Ion Ratio Lower Upper
43 100
58 33.6 21.9 32.9#



#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

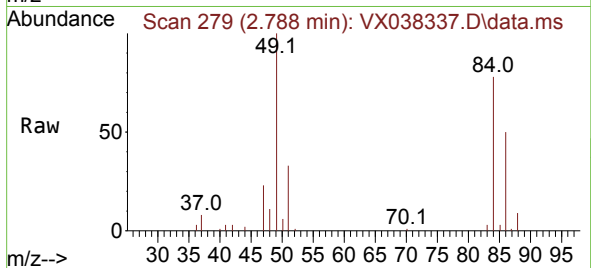
Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
74 20.0 17.8 26.8



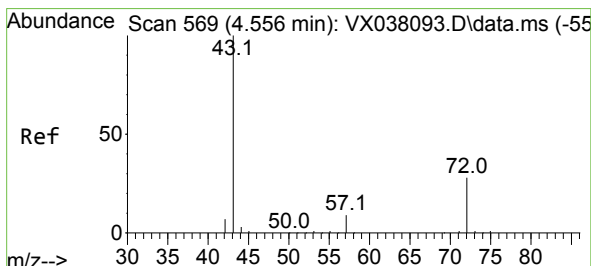
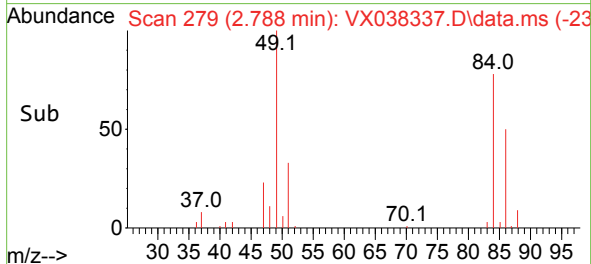
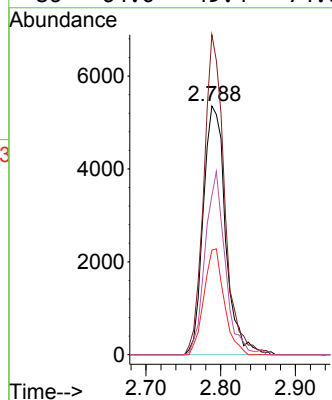


#20
Methylene Chloride
Concen: 7.216 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Instrument :
MSVOA_X
ClientSampleId :

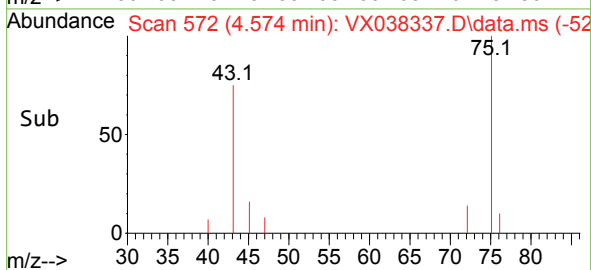
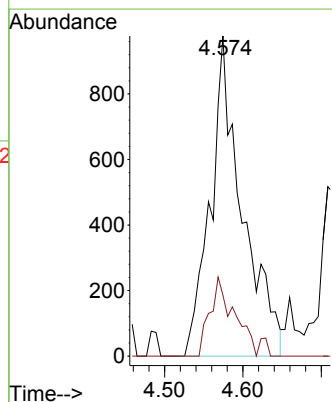
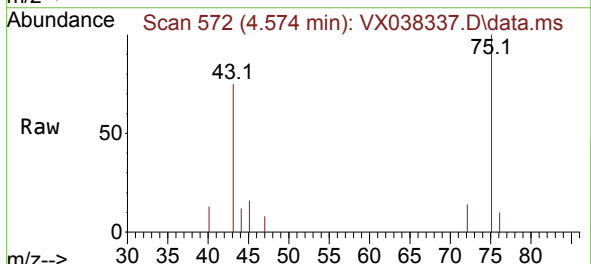


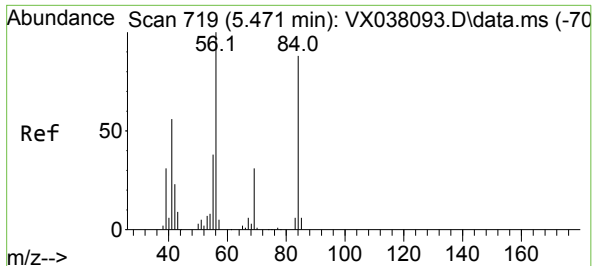
Tgt Ion:	84	Resp:	11100
Ion	Ratio	Lower	Upper
84	100		
49	128.7	103.6	155.4
51	42.1	33.8	50.6
86	64.0	49.4	74.0



#25
2-Butanone
Concen: 2.078 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

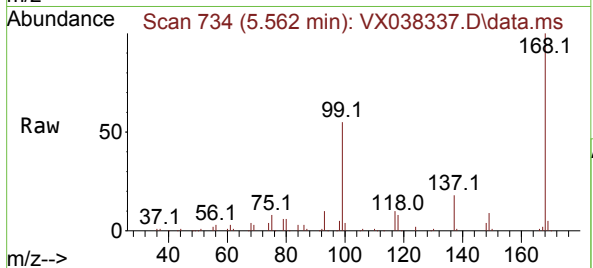
Tgt Ion:	43	Resp:	2742
Ion	Ratio	Lower	Upper
43	100		
72	19.0	19.4	29.2#



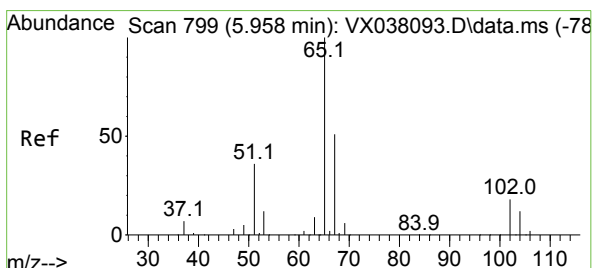
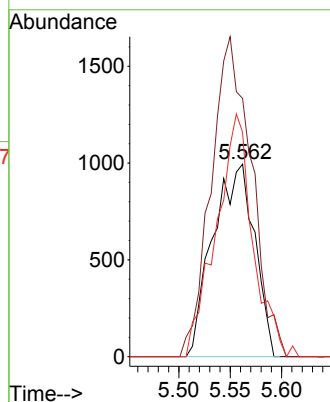
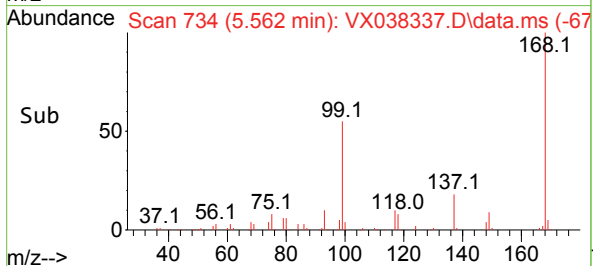


#31
Cyclohexane
Concen: 1.320 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Instrument :
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ClientSampleId :

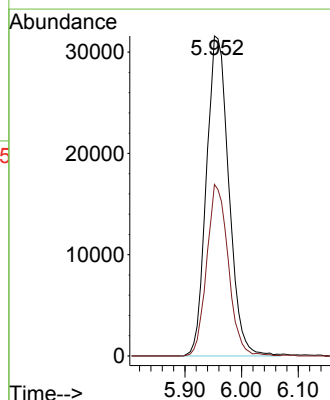
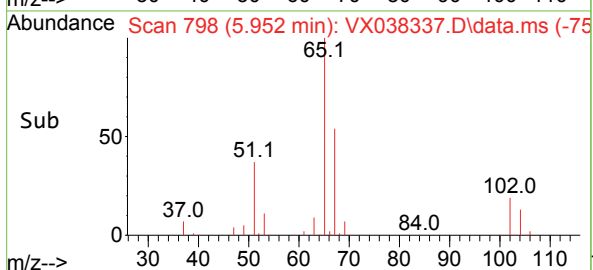
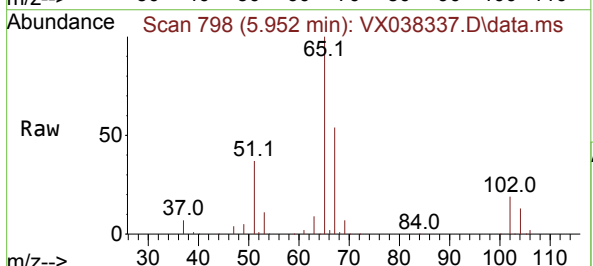


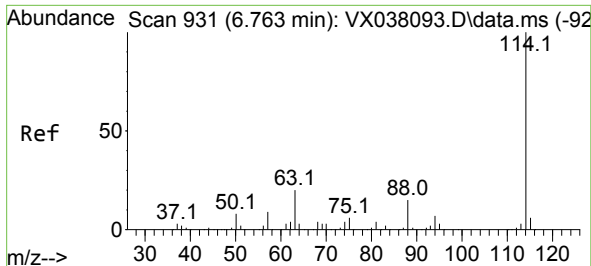
Tgt Ion: 56 Resp: 2803
Ion Ratio Lower Upper
56 100
69 134.1 23.4 35.2#
84 116.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.304 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Tgt Ion: 65 Resp: 86819
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

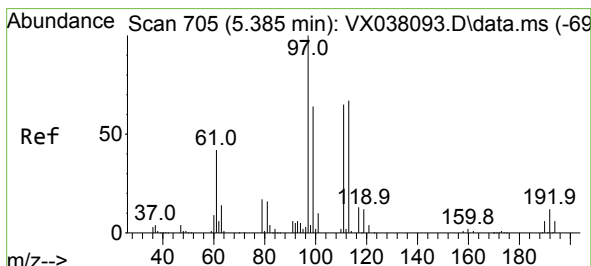
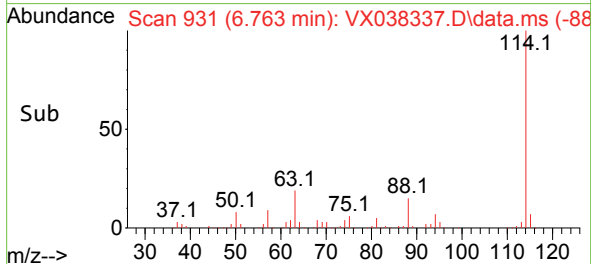
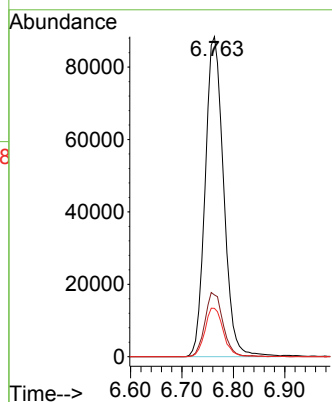
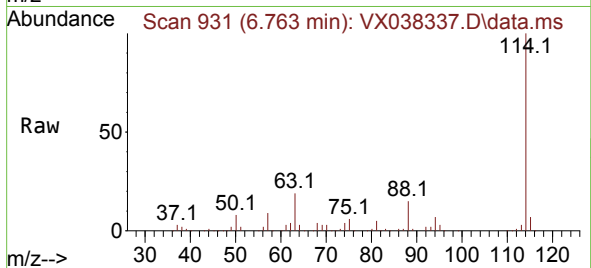




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

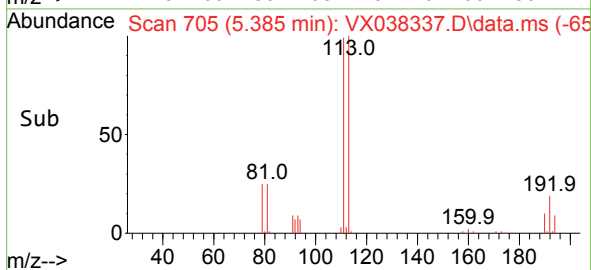
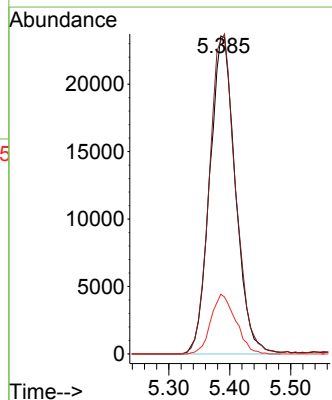
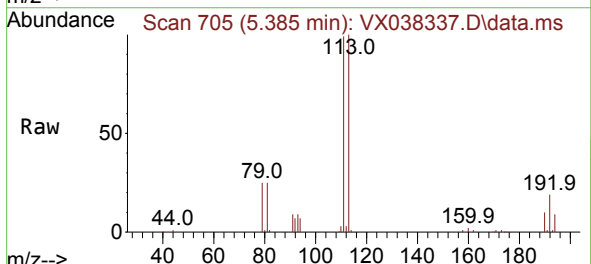
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MSVOA_X
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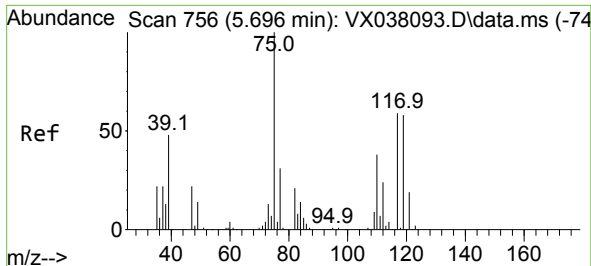
Tgt Ion:114 Resp: 219867
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.513 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Tgt Ion:113 Resp: 68937
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 18.2 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.544 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

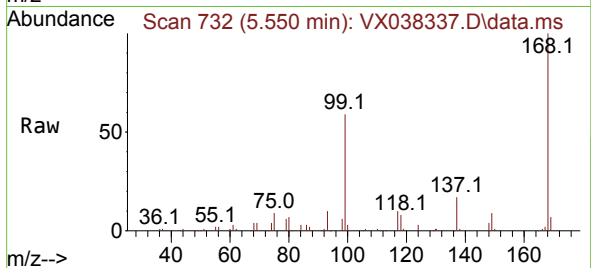
Lab File: VX038337.D

Acq: 17 Oct 2023 18:14

Instrument :

MSVOA_X

ClientSampleId :



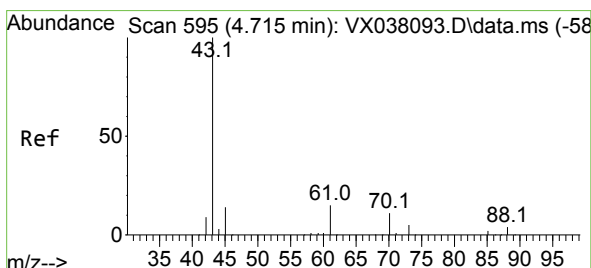
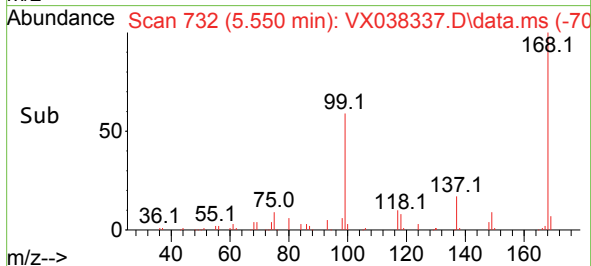
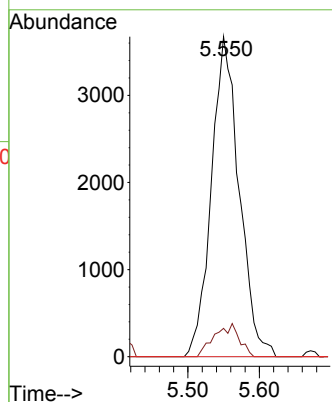
Tgt Ion: 75 Resp: 9928

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.036 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX038337.D

Acq: 17 Oct 2023 18:14

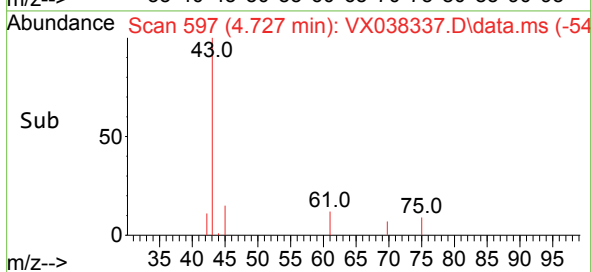
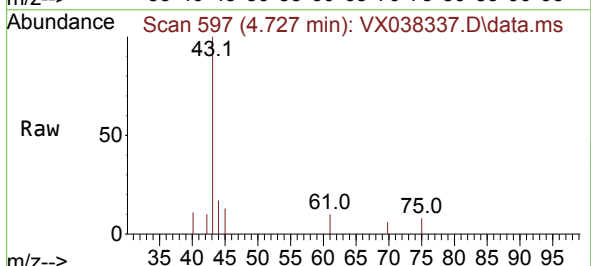
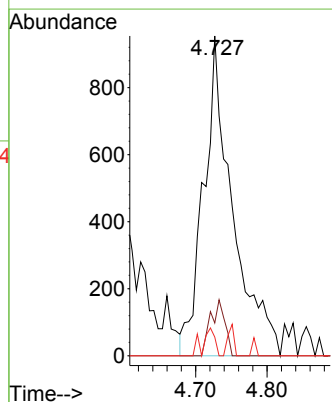
Tgt Ion: 43 Resp: 2687

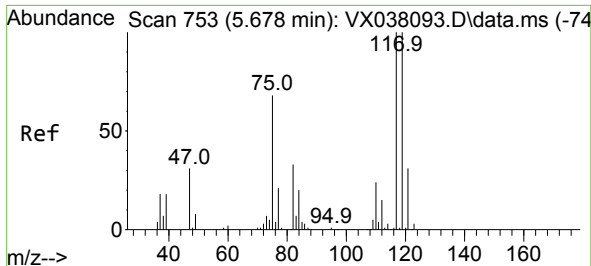
Ion Ratio Lower Upper

43 100

61 8.8 10.6 16.0#

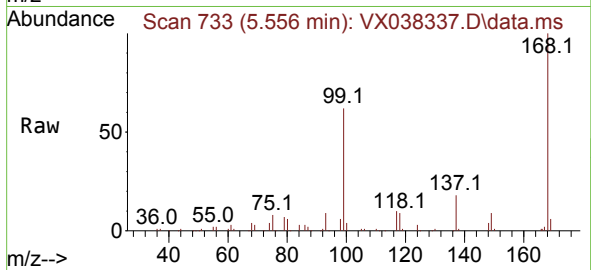
70 3.6 8.3 12.5#



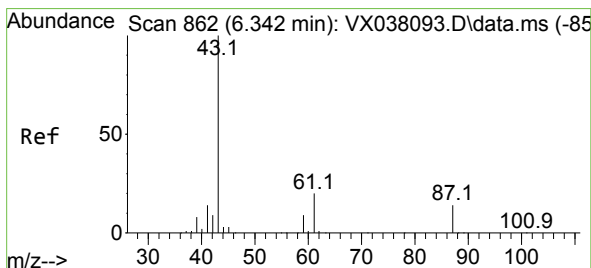
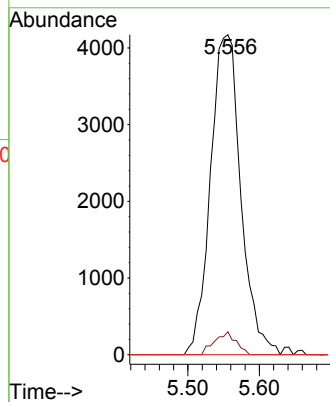
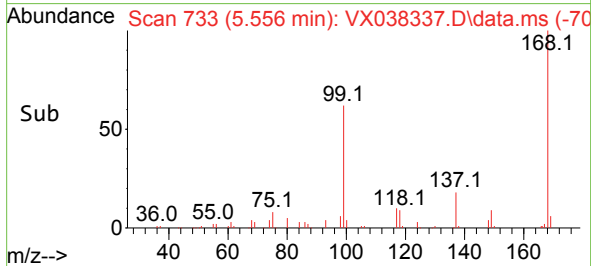


#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Instrument :
MSVOA_X
ClientSampleId :

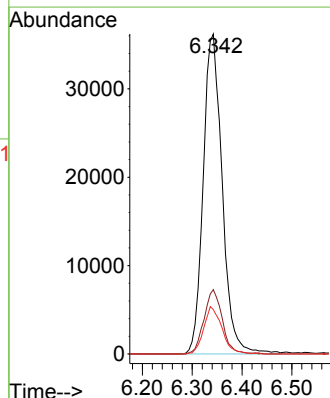
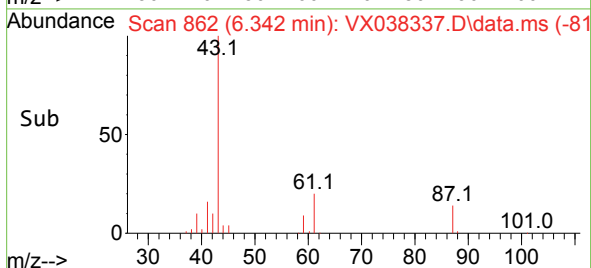
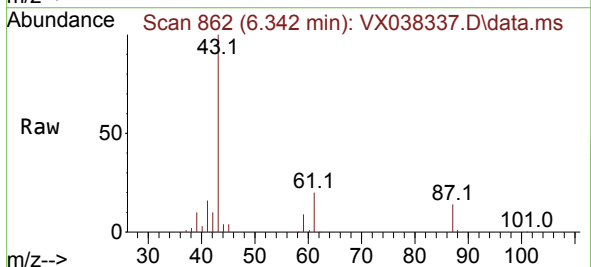


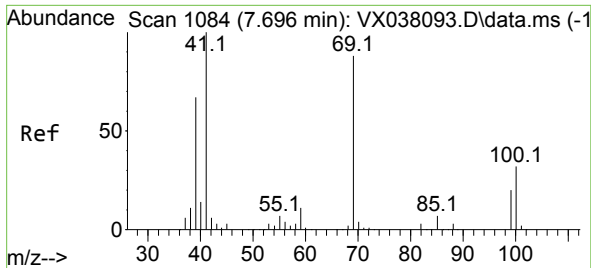
Tgt Ion:117 Resp: 12313
Ion Ratio Lower Upper
117 100
119 7.2 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 24.782 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Tgt Ion: 43 Resp: 95989
Ion Ratio Lower Upper
43 100
61 19.3 15.2 22.8
87 14.2 9.8 14.6

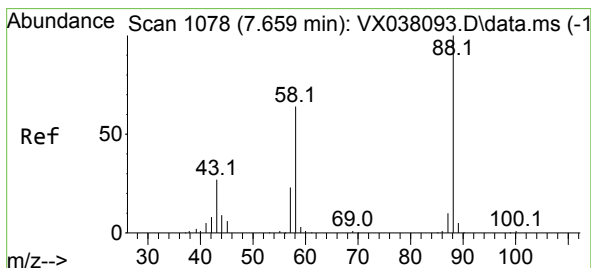
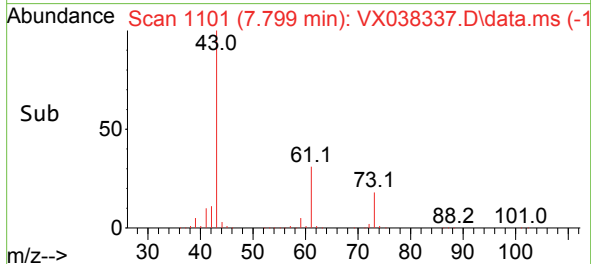
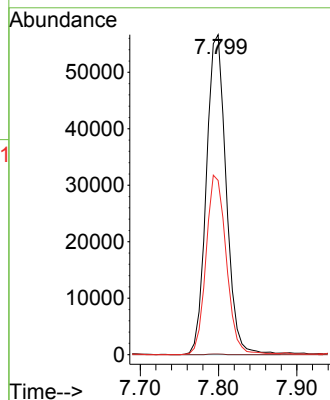
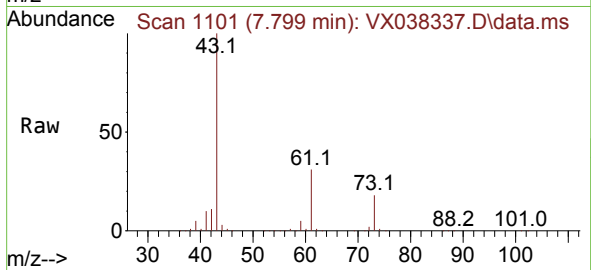




#48
Methyl methacrylate
Concen: 53.768 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

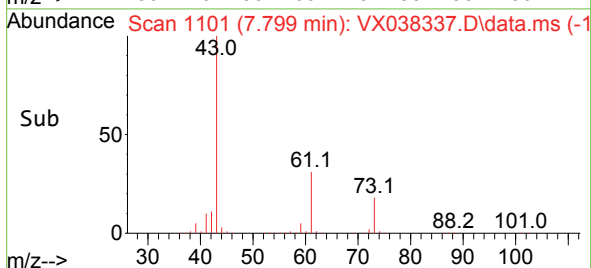
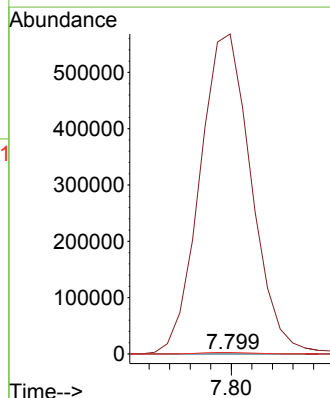
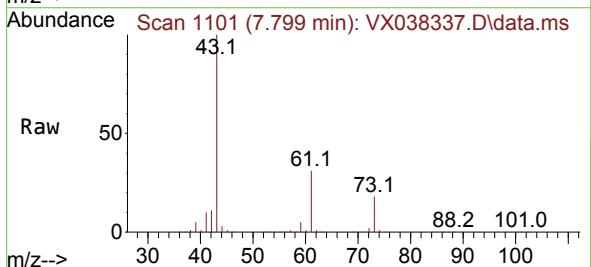
Instrument :
MSVOA_X
ClientSampleId :

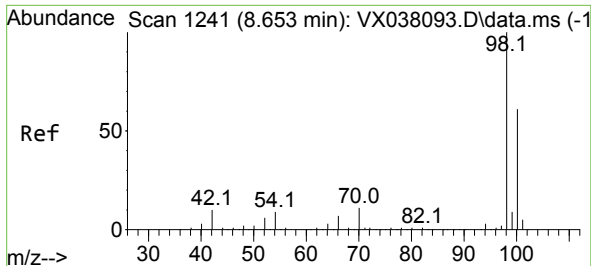
Tgt Ion: 41 Resp: 99422
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 57.5 47.7 71.5



#49
1,4-Dioxane
Concen: 3.116 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 705169.7 0.0 0.0#
58 3427.5 60.1 90.1#

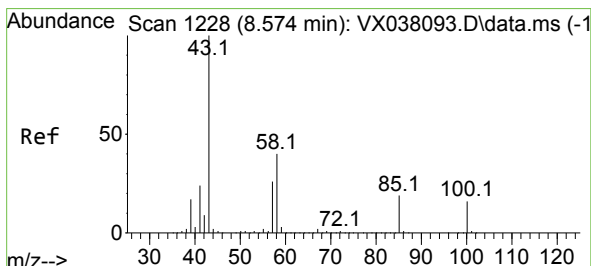
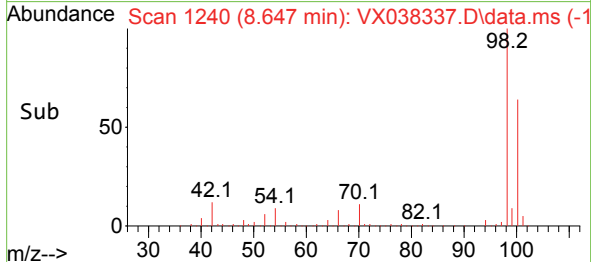
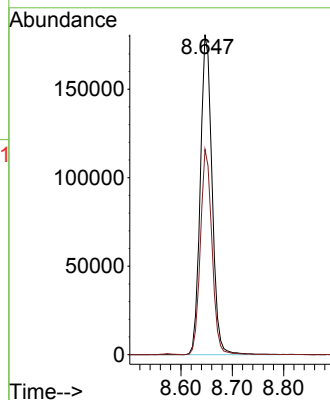
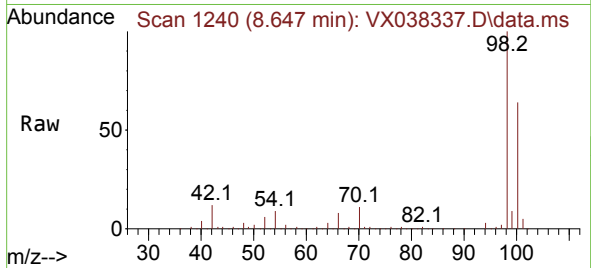




#50
Toluene-d8
Concen: 47.386 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

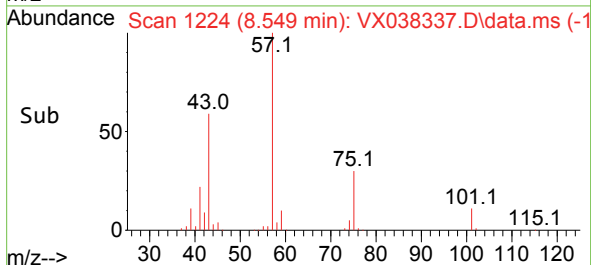
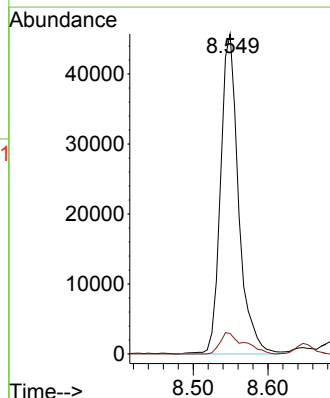
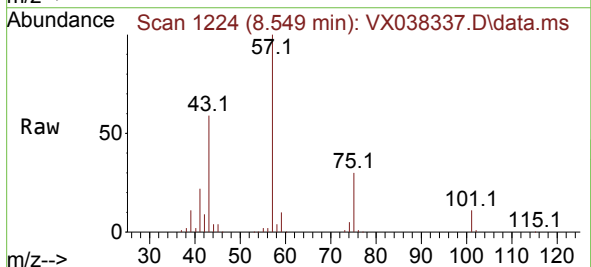
Instrument :
MSVOA_X
ClientSampleId :

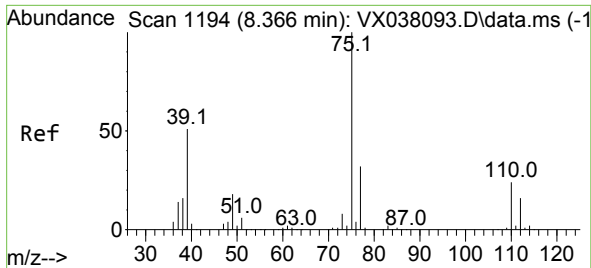
Tgt Ion: 98 Resp: 286870
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 28.685 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

Tgt Ion: 43 Resp: 76636
Ion Ratio Lower Upper
43 100
58 8.9 30.4 45.6#

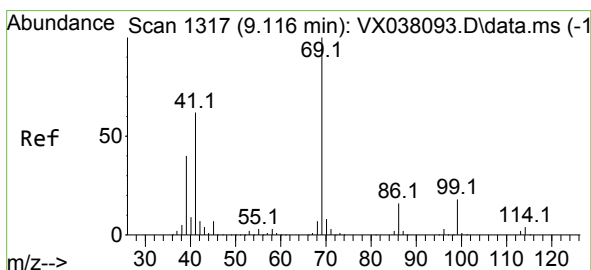
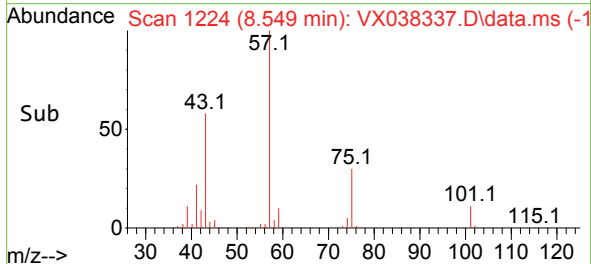
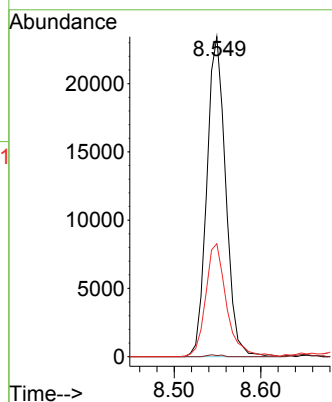
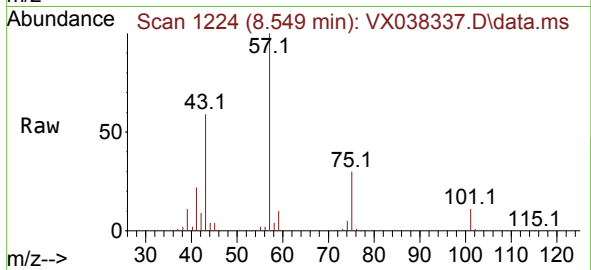




#54
 cis-1,3-Dichloropropene
 Concen: 14.386 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038337.D
 Acq: 17 Oct 2023 18:14

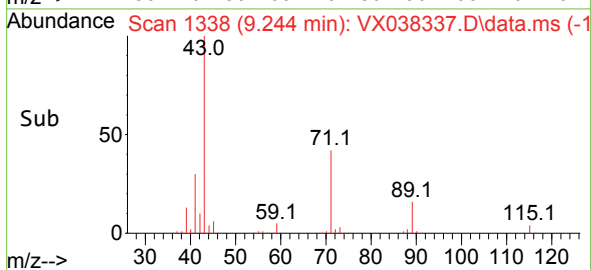
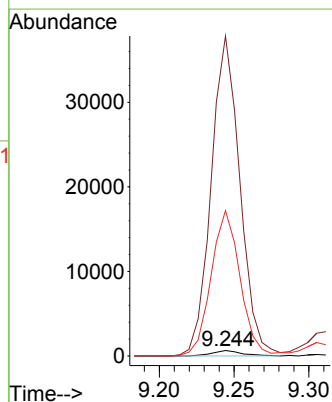
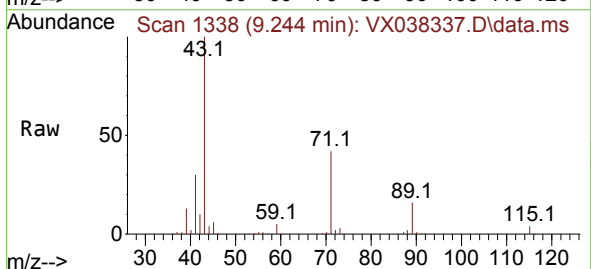
Instrument :
 MSVOA_X
 ClientSampleId :

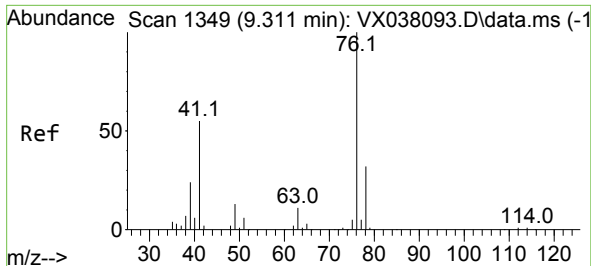
Tgt Ion: 75 Resp: 35402
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 35.3 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.342 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX038337.D
 Acq: 17 Oct 2023 18:14

Tgt Ion: 69 Resp: 892
 Ion Ratio Lower Upper
 69 100
 41 5683.1 56.8 85.2#
 39 2623.4 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.834 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX038337.D

Acq: 17 Oct 2023 18:14

Instrument :

MSVOA_X

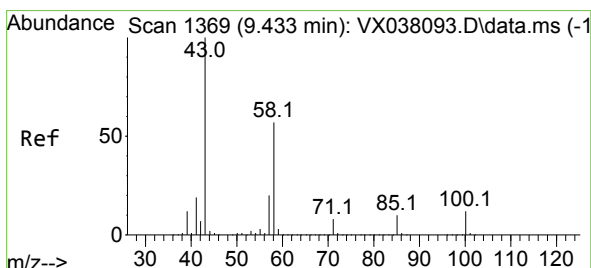
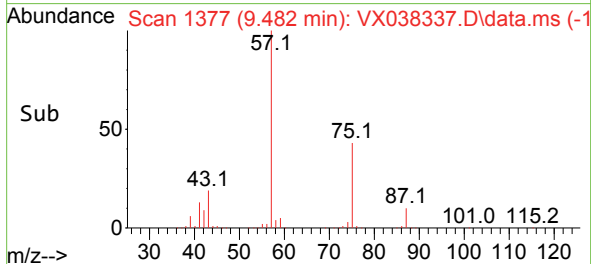
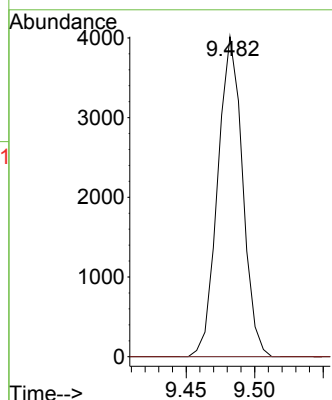
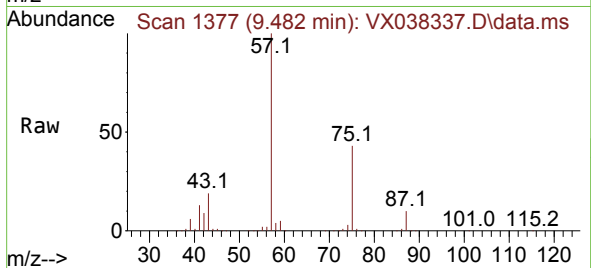
ClientSampleId :

Tgt Ion: 76 Resp: 5049

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 30.992 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038337.D

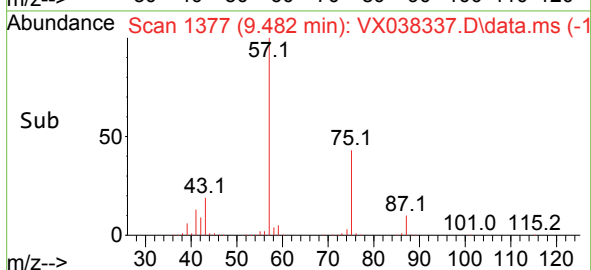
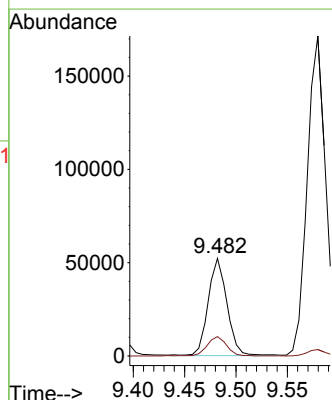
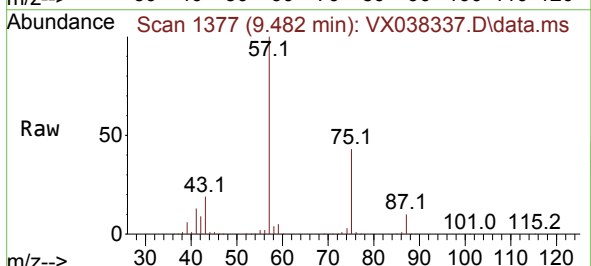
Acq: 17 Oct 2023 18:14

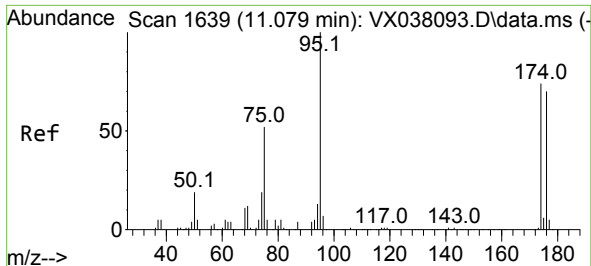
Tgt Ion: 43 Resp: 66565

Ion Ratio Lower Upper

43 100

58 20.8 26.2 78.5#

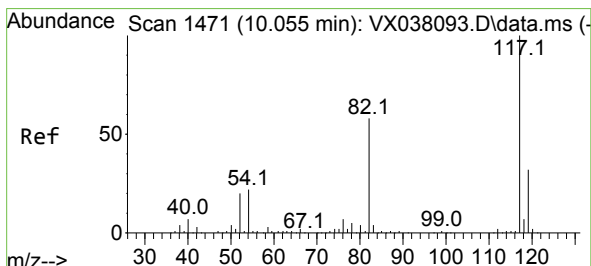
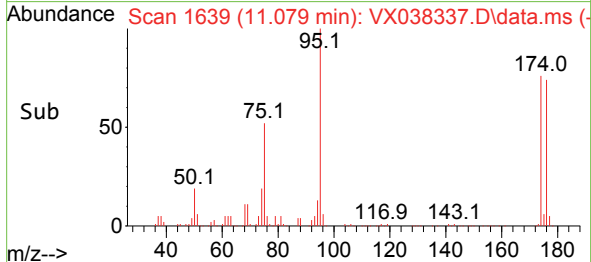
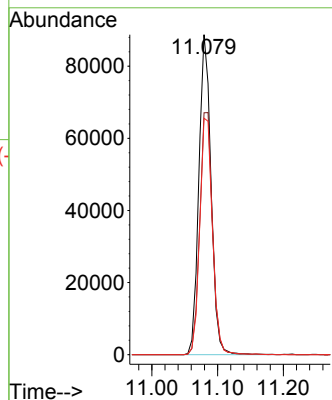
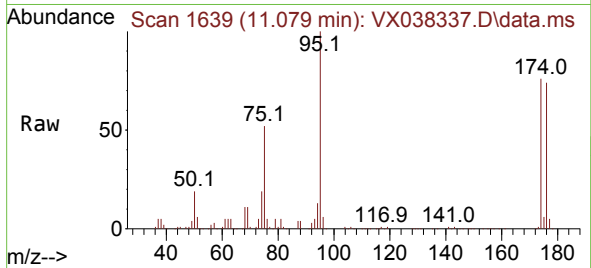




#62
4-Bromofluorobenzene
Concen: 49.560 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

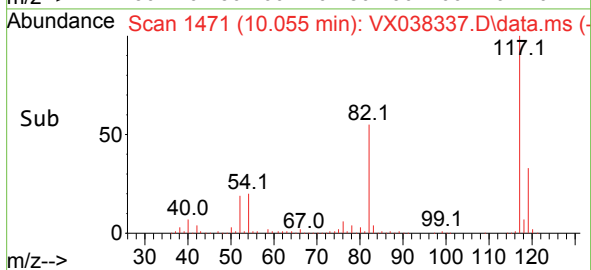
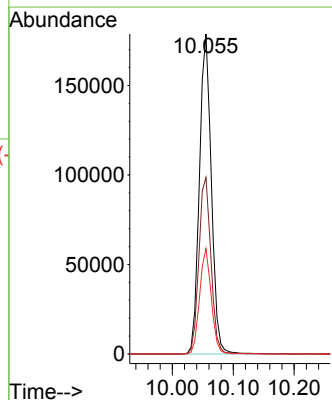
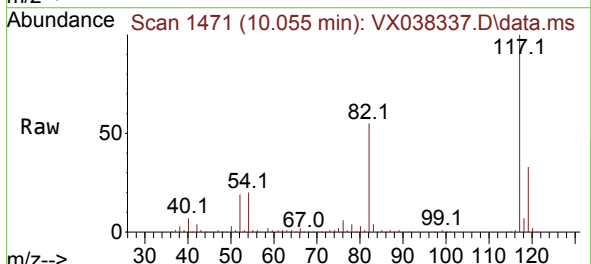
Instrument :
MSVOA_X
ClientSampleId :

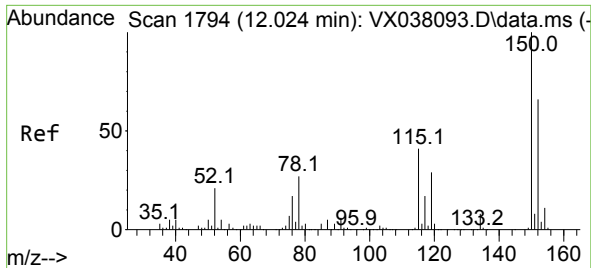
Tgt Ion: 95 Resp: 113745
Ion Ratio Lower Upper
95 100
174 79.9 0.0 135.6
176 77.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038337.D
Acq: 17 Oct 2023 18:14

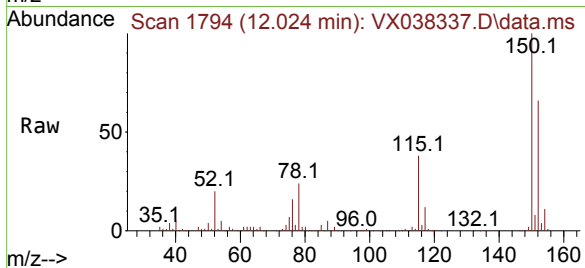
Tgt Ion: 117 Resp: 242957
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 32.9 25.5 38.3



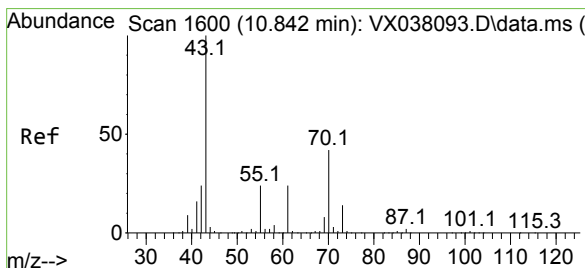
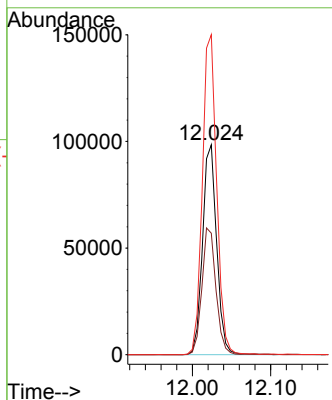
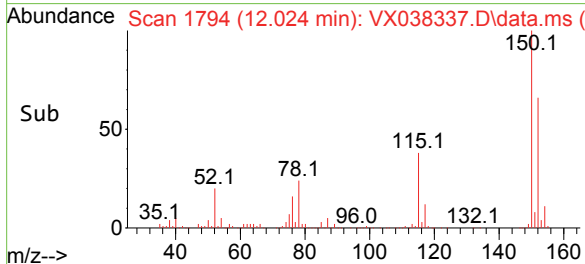


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX038337.D
 Acq: 17 Oct 2023 18:14

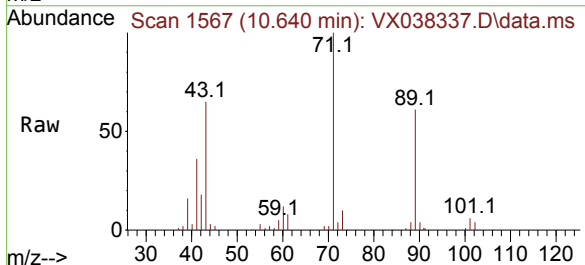
Instrument :
 MSVOA_X
 ClientSampleId :



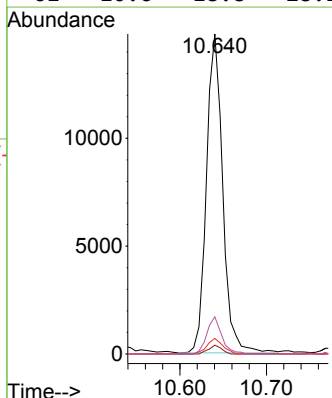
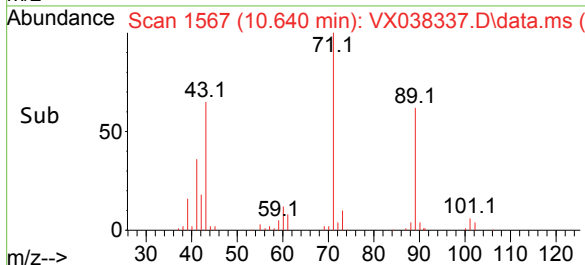
Tgt Ion:152 Resp: 122845
 Ion Ratio Lower Upper
 152 100
 115 60.4 43.3 129.9
 150 154.9 0.0 345.0

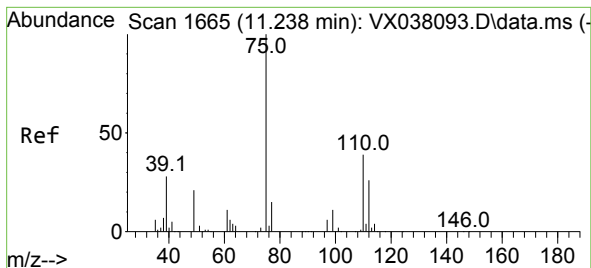


#74
 N-ethyl acetate
 Concen: 5.477 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.202 min
 Lab File: VX038337.D
 Acq: 17 Oct 2023 18:14



Tgt Ion: 43 Resp: 19267
 Ion Ratio Lower Upper
 43 100
 70 2.2 32.9 49.3#
 55 4.7 19.3 28.9#
 61 10.6 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 21.744 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038337.D

Acq: 17 Oct 2023 18:14

Instrument :

MSVOA_X

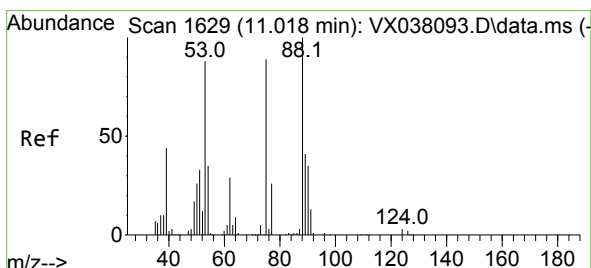
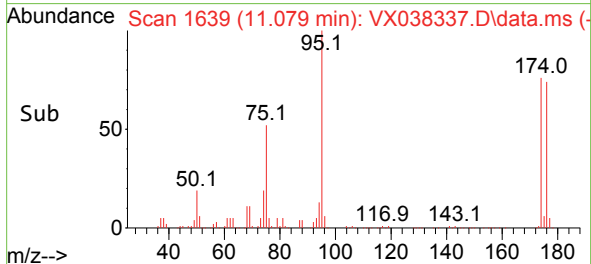
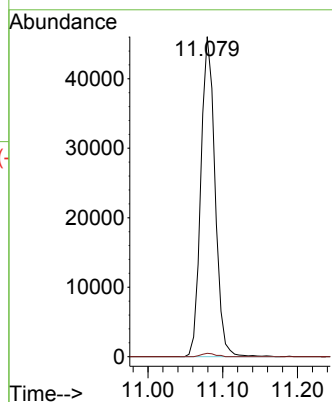
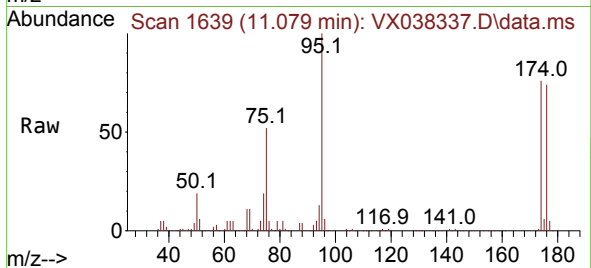
ClientSampleId :

Tgt Ion: 75 Resp: 60726

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.404 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038337.D

Acq: 17 Oct 2023 18:14

Tgt Ion: 75 Resp: 60726

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 36.9 55.3#

