

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038739.D
 Acq On : 10 Nov 2023 19:15
 Operator : JC/MD
 Sample : 05323-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

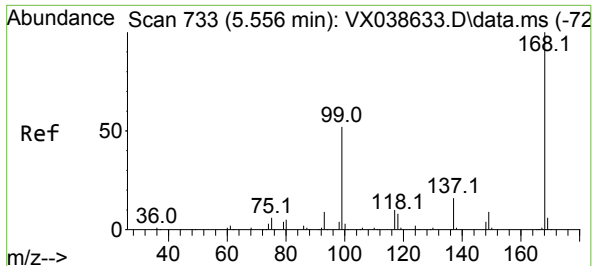
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 11 01:59:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

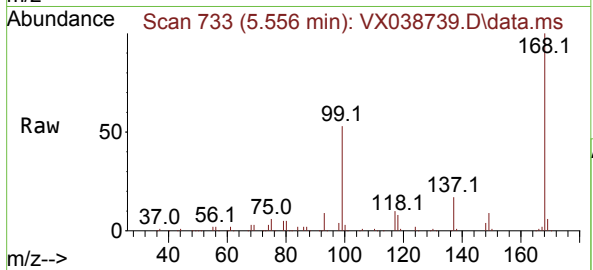
Internal Standards						
1) Pentafluorobenzene	5.556	168	259569	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	439584	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	465460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	271468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151725	46.951	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.900%		
35) Dibromofluoromethane	5.385	113	143073	45.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.380%		
50) Toluene-d8	8.647	98	527859	46.593	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.180%		
62) 4-Bromofluorobenzene	11.079	95	230546	52.486	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.980%		
Target Compounds						
						Qvalue
8) Diethyl Ether	2.136	74	369	0.251	ug/l	98
11) Tert butyl alcohol	2.959	59	2247	3.401	ug/l	# 93
16) Acetone	2.374	43	57418	42.189	ug/l	91
18) Methyl Acetate	2.703	43	1677	0.289	ug/l	# 88
20) Methylene Chloride	2.788	84	13219	4.818	ug/l	# 82
25) 2-Butanone	4.568	43	5787	2.935	ug/l	# 77
29) Tetrahydrofuran	5.032	42	857	0.699	ug/l	# 78
31) Cyclohexane	5.550	56	4124	1.153	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	16636	4.230	ug/l	# 52
37) Ethyl Acetate	4.733	43	3480	0.867	ug/l	97
38) Carbon Tetrachloride	5.556	117	24941	5.673	ug/l	# 16
41) Methacrylonitrile	5.026	41	421	0.206	ug/l	# 45
43) Isopropyl Acetate	6.342	43	149749	24.258	ug/l	# 91
44) Trichloroethene	7.129	130	19163	5.437	ug/l	92
48) Methyl methacrylate	7.793	41	139466	46.880	ug/l	# 48
49) 1,4-Dioxane	7.799	88	309	4.563	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	110139	27.384	ug/l	# 55
53) t-1,3-Dichloropropene	8.952	75	1062	0.242	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	58035	12.538	ug/l	# 54
57) 1,3-Dichloropropane	9.482	76	7882	1.607	ug/l	# 42
59) 2-Hexanone	9.482	43	87371	26.847	ug/l	# 57
74) N-amyl acetate	10.640	43	24333	4.205	ug/l	# 55
76) 1,2,3-Trichloropropane	11.079	75	109424	20.353	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	109424	62.083	ug/l	# 5

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

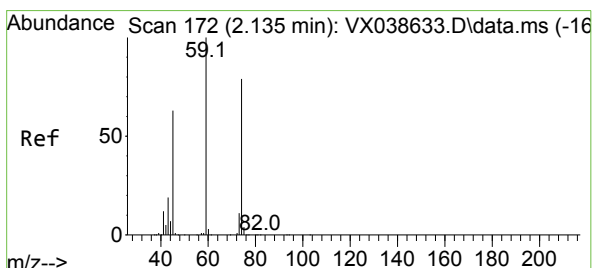
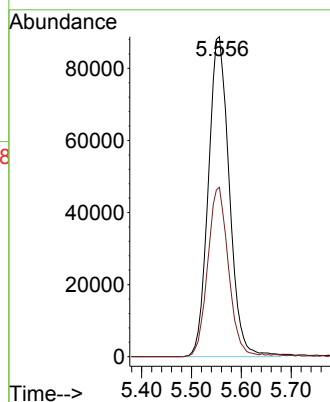
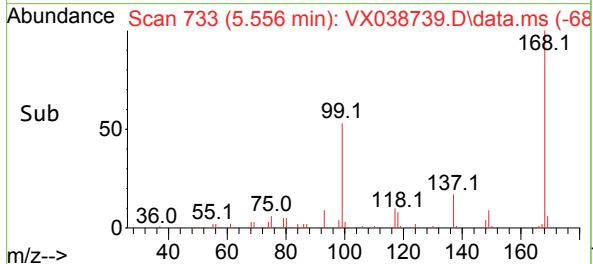


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Instrument :
MSVOA_X
ClientSampleId :

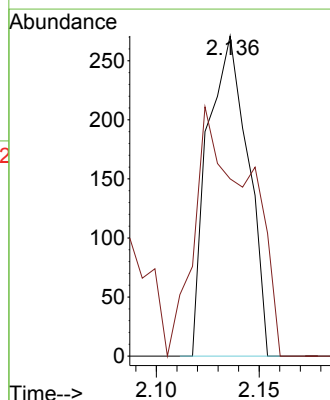
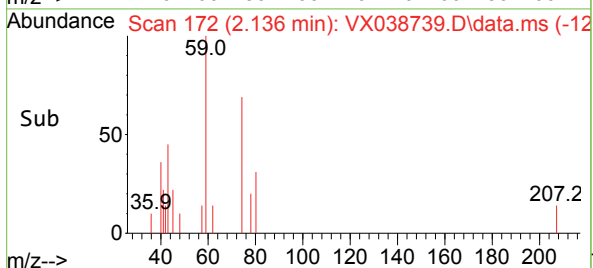
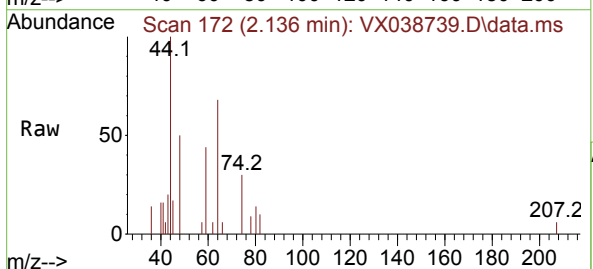


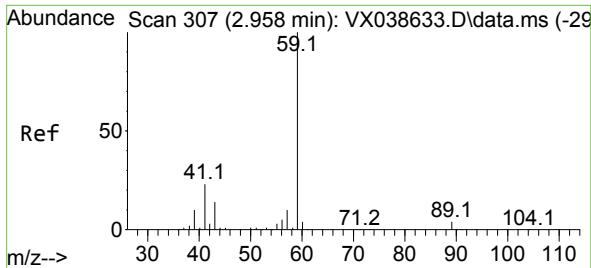
Tgt Ion:168 Resp: 259569
Ion Ratio Lower Upper
168 100
99 53.0 56.6 85.0#



#8
Diethyl Ether
Concen: 0.251 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion: 74 Resp: 369
Ion Ratio Lower Upper
74 100
45 104.9 53.3 159.8





#11

Tert butyl alcohol

Concen: 3.401 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX038739.D

Acq: 10 Nov 2023 19:15

Instrument :

MSVOA_X

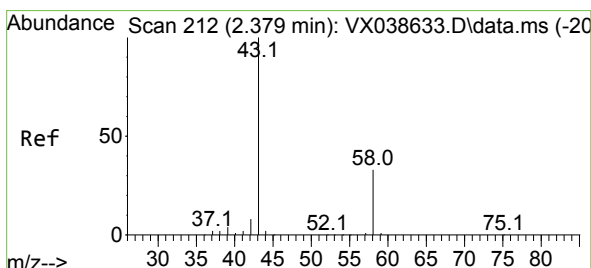
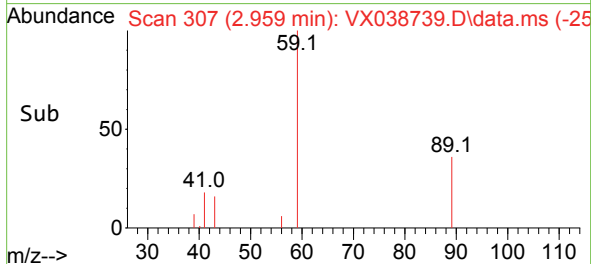
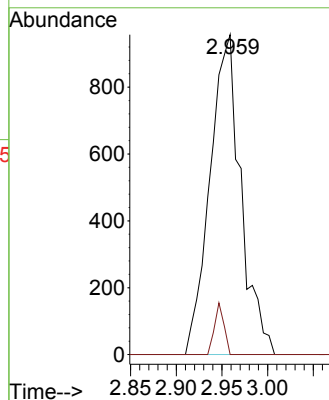
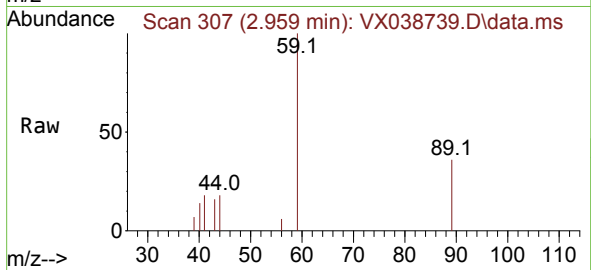
ClientSampleId :

Tgt Ion: 59 Resp: 2247

Ion Ratio Lower Upper

59 100

57 4.9 6.0 9.0#



#16

Acetone

Concen: 42.189 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX038739.D

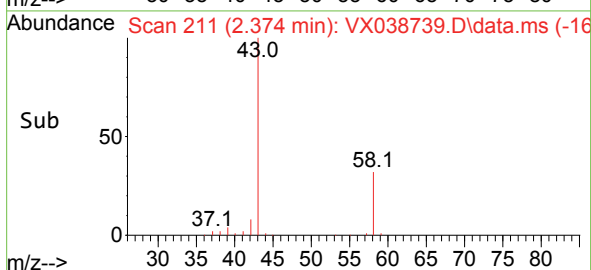
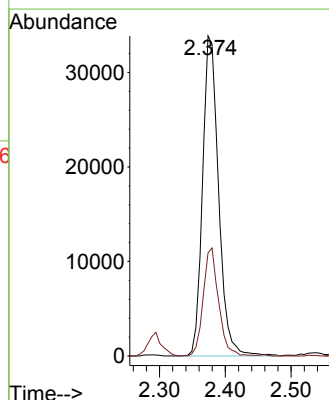
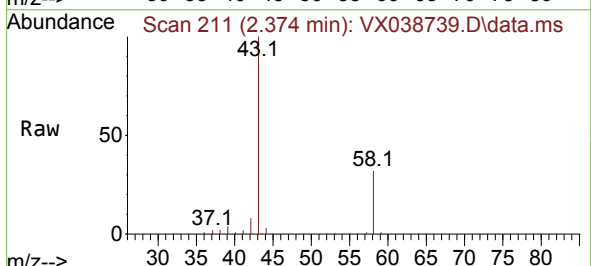
Acq: 10 Nov 2023 19:15

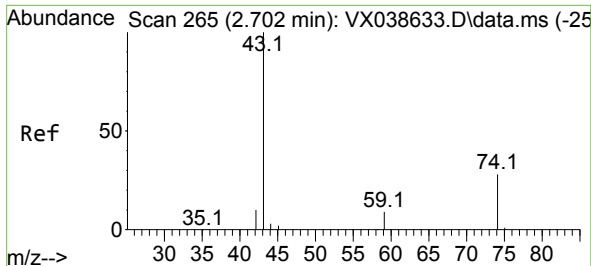
Tgt Ion: 43 Resp: 57418

Ion Ratio Lower Upper

43 100

58 32.2 21.9 32.9

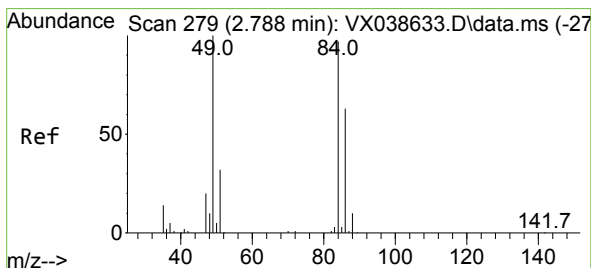
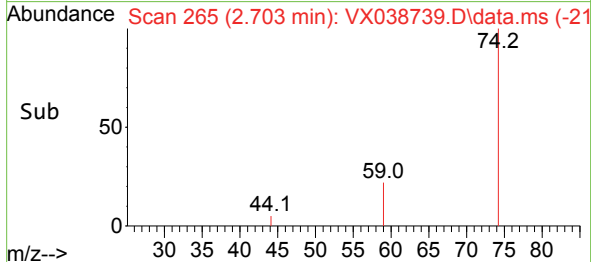
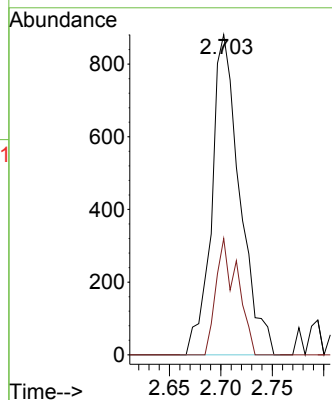
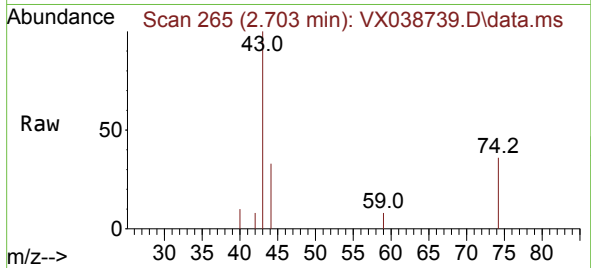




#18
Methyl Acetate
Concen: 0.289 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

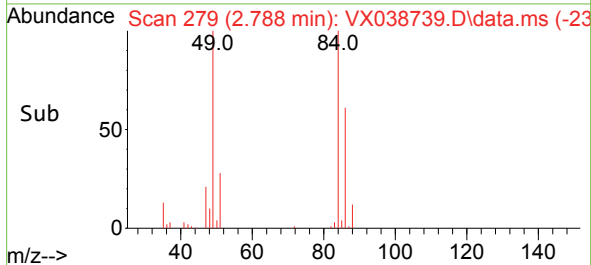
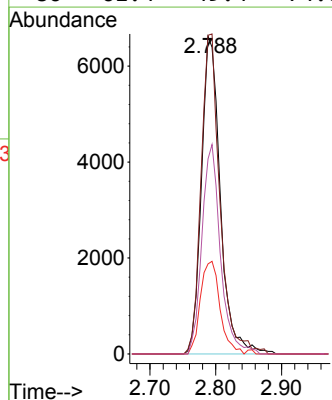
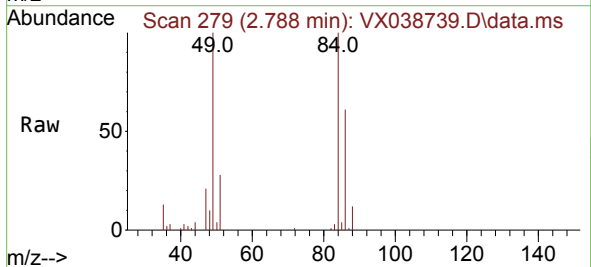
Instrument :
MSVOA_X
ClientSampleId :

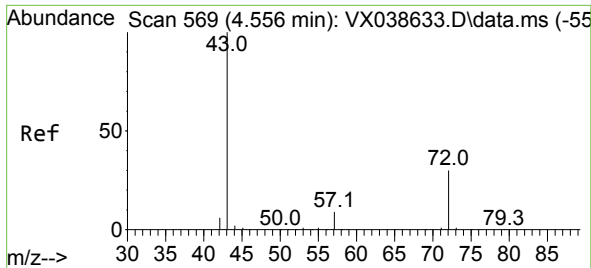
Tgt Ion: 43 Resp: 1677
Ion Ratio Lower Upper
43 100
74 27.9 17.8 26.8#



#20
Methylene Chloride
Concen: 4.818 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion: 84 Resp: 13219
Ion Ratio Lower Upper
84 100
49 100.4 103.6 155.4#
51 28.4 33.8 50.6#
86 61.4 49.4 74.0

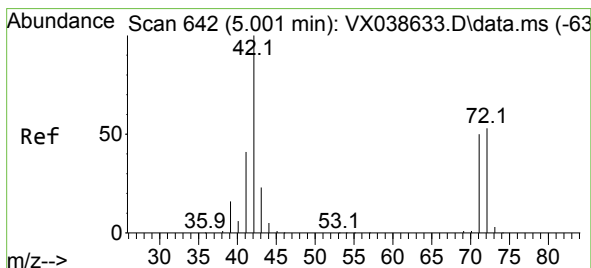
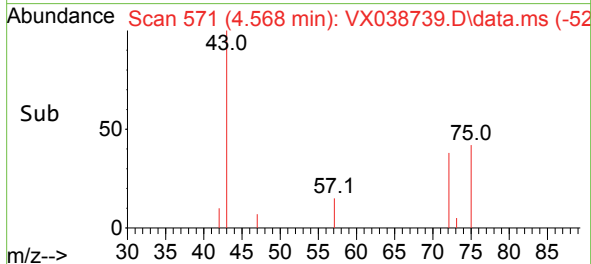
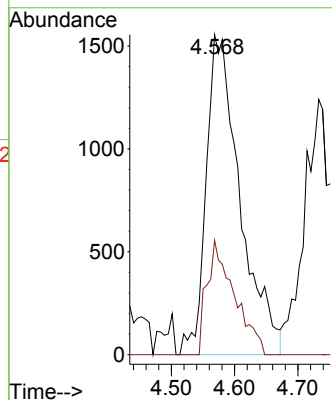
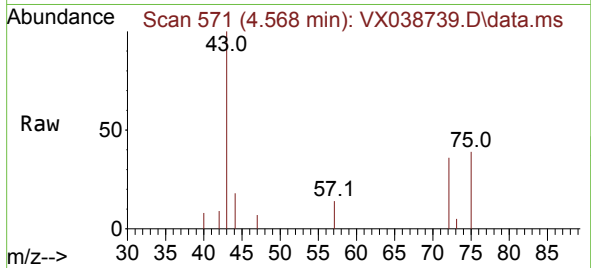




#25
2-Butanone
Concen: 2.935 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

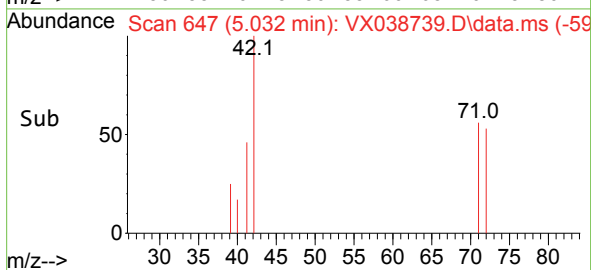
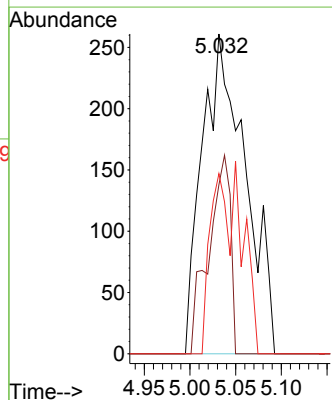
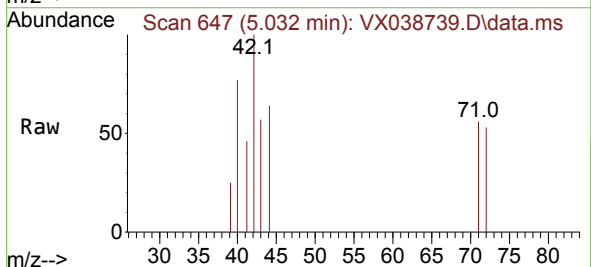
Instrument :
MSVOA_X
ClientSampleId :

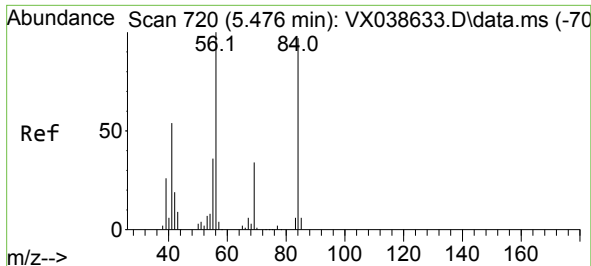
Tgt Ion: 43 Resp: 5787
Ion Ratio Lower Upper
43 100
72 35.8 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.699 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion: 42 Resp: 857
Ion Ratio Lower Upper
42 100
72 31.5 34.2 51.4#
71 24.2 32.2 48.2#

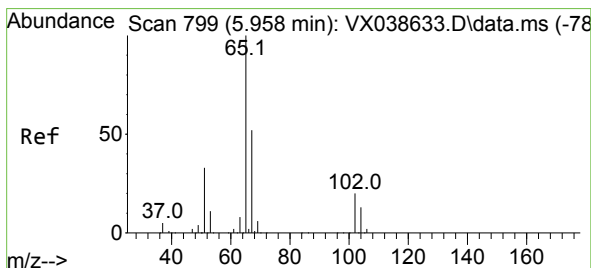
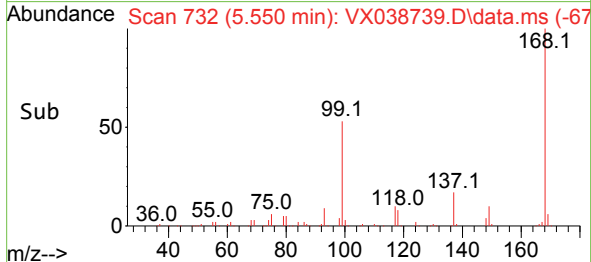
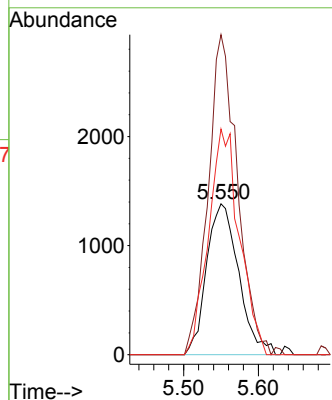
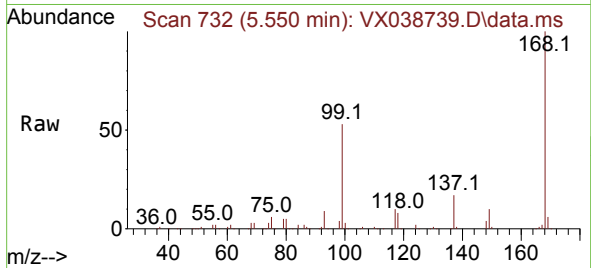




#31
Cyclohexane
Concen: 1.153 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.074 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

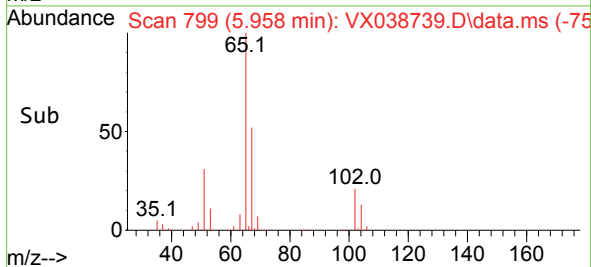
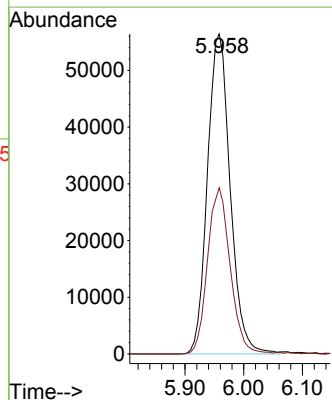
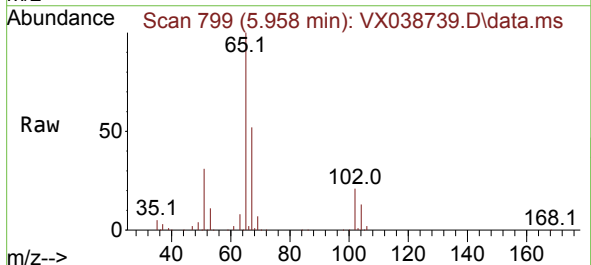
Instrument :
MSVOA_X
ClientSampleId :

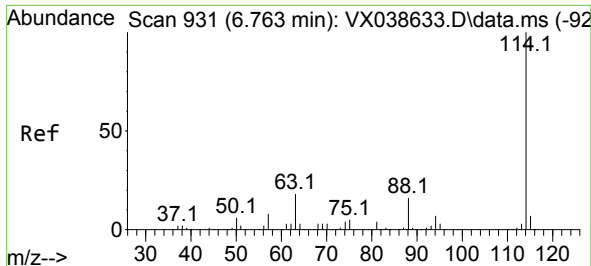
Tgt Ion: 56 Resp: 4124
Ion Ratio Lower Upper
56 100
69 212.0 23.4 35.2#
84 149.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.951 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion: 65 Resp: 151725
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

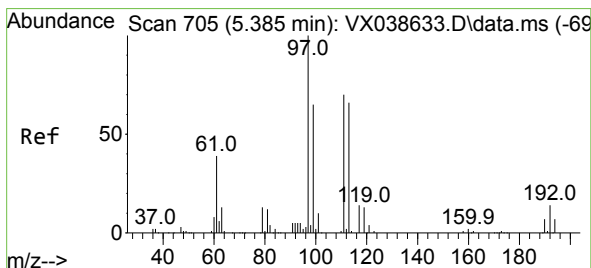
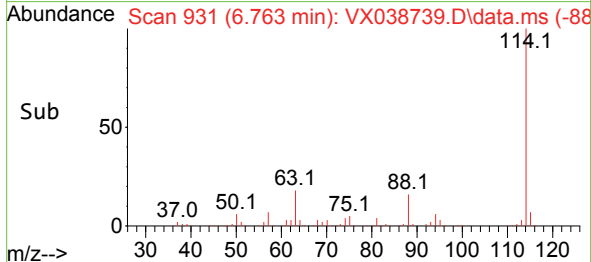
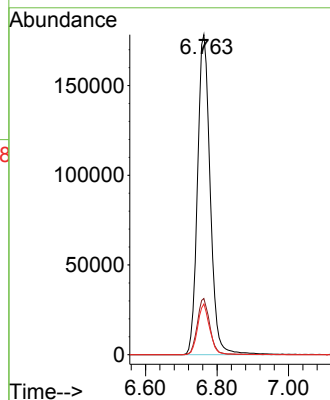
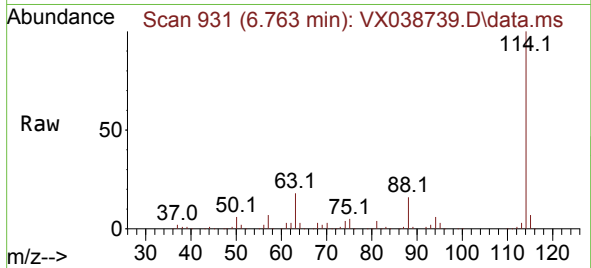




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

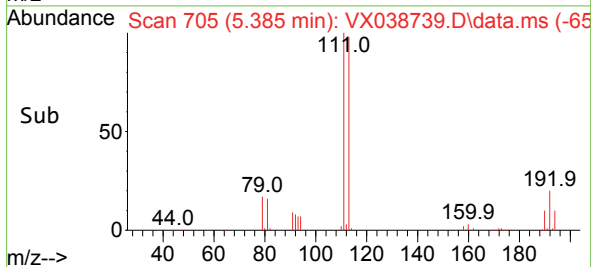
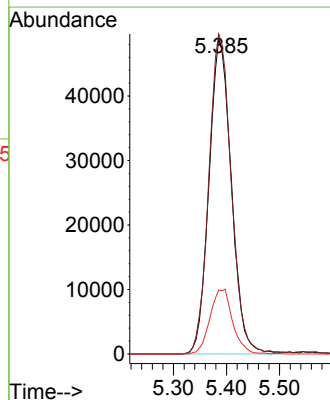
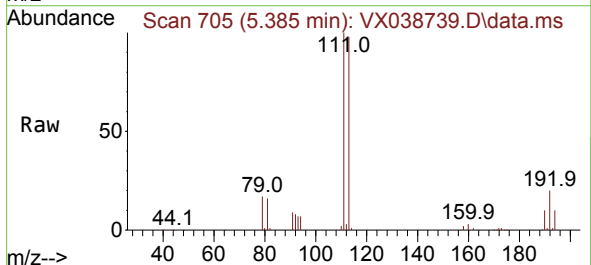
Instrument :
MSVOA_X
ClientSampleId :

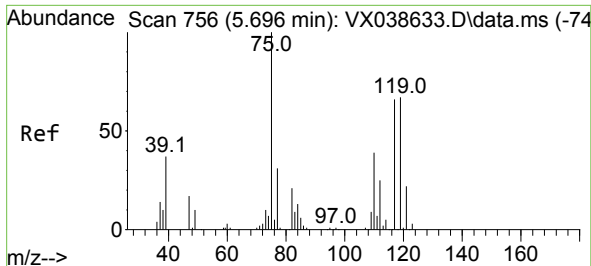
Tgt Ion:114 Resp: 439584
Ion Ratio Lower Upper
114 100
63 17.5 0.0 45.0
88 15.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.190 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion:113 Resp: 143073
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 20.8 13.3 19.9#

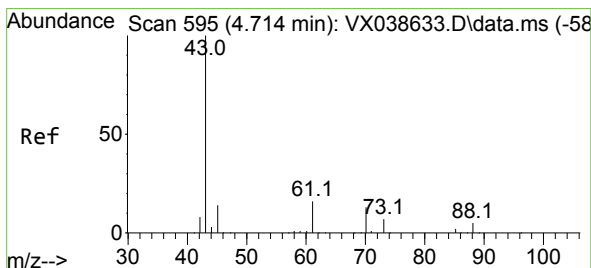
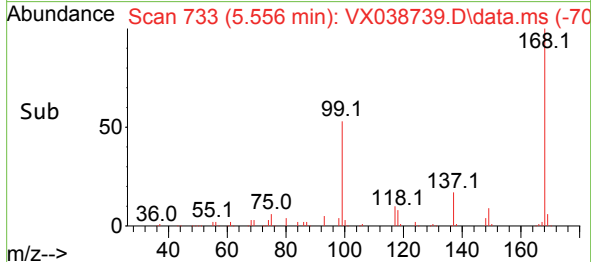
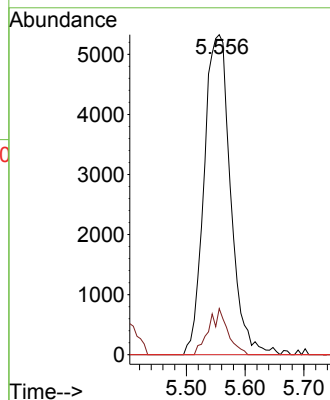
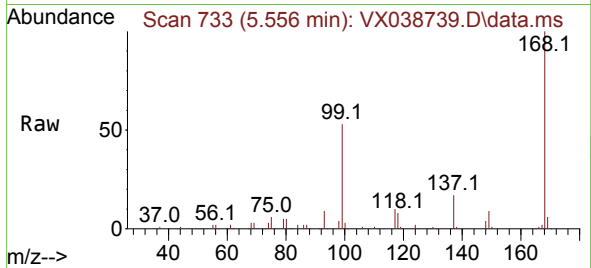




#36
1,1-Dichloropropene
Concen: 4.230 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

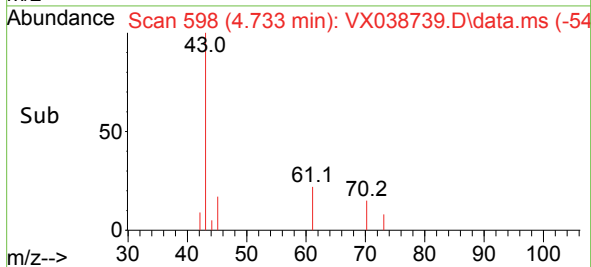
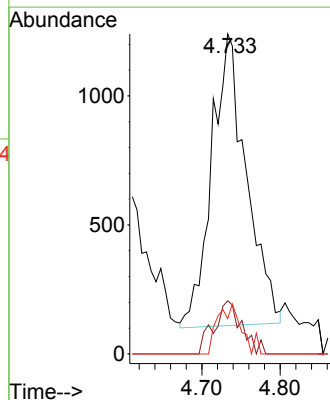
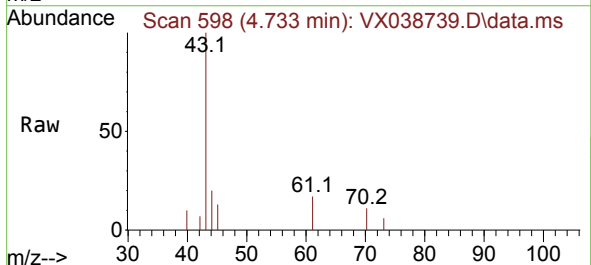
Instrument :
MSVOA_X
ClientSampleId :

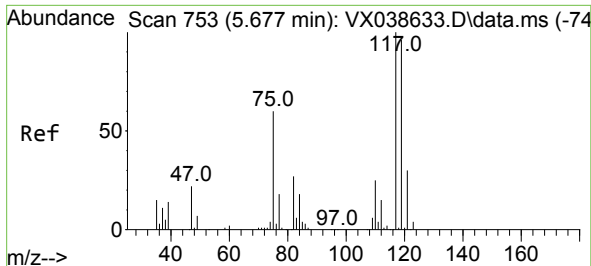
Tgt Ion: 75 Resp: 16636
Ion Ratio Lower Upper
75 100
110 10.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.867 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.019 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

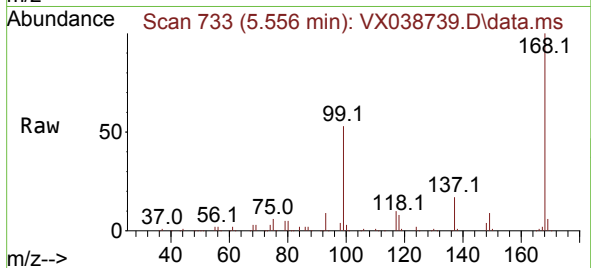
Tgt Ion: 43 Resp: 3480
Ion Ratio Lower Upper
43 100
61 14.5 10.6 16.0
70 11.9 8.3 12.5



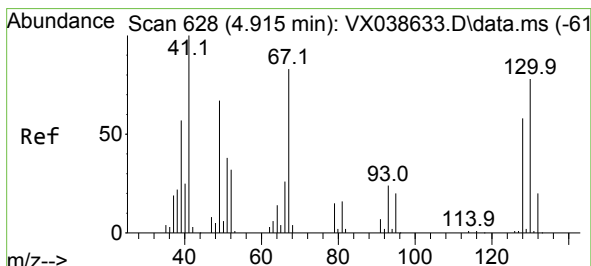
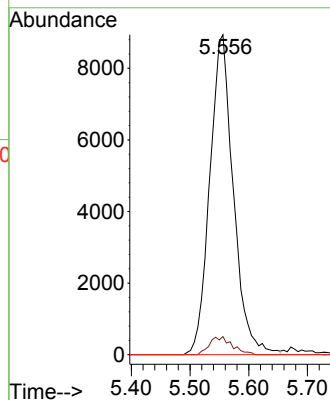
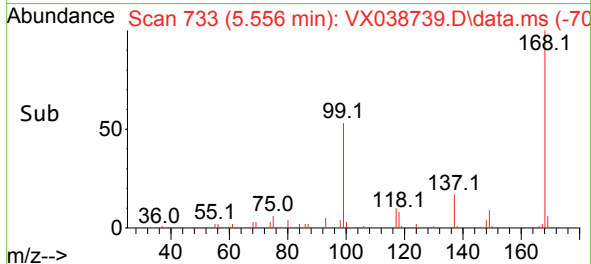


#38
Carbon Tetrachloride
Concen: 5.673 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Instrument :
MSVOA_X
ClientSampleId :

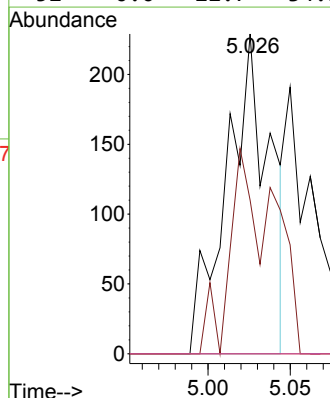
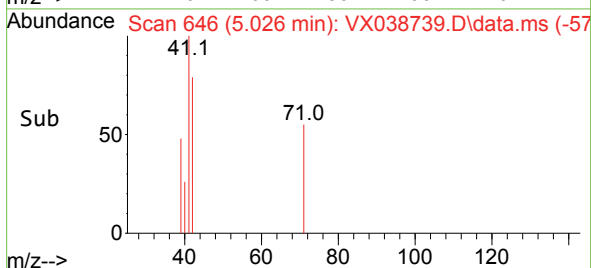
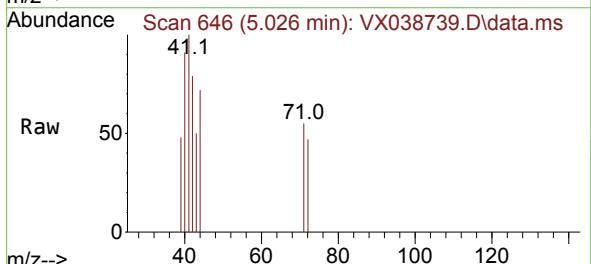


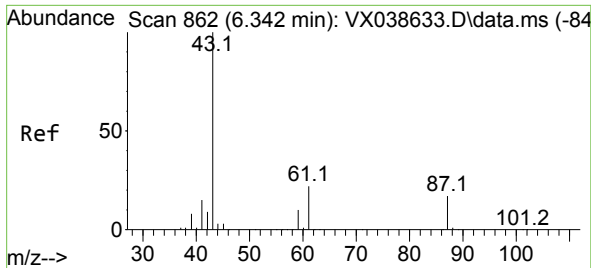
Tgt Ion:117 Resp: 24941
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.206 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion: 41 Resp: 421
Ion Ratio Lower Upper
41 100
39 38.7 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

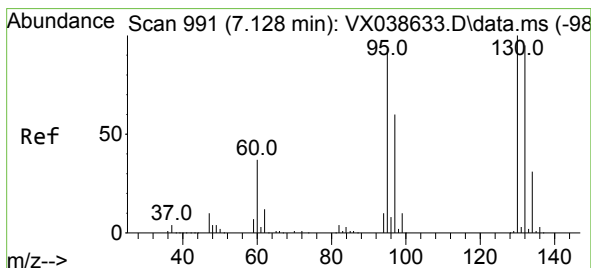
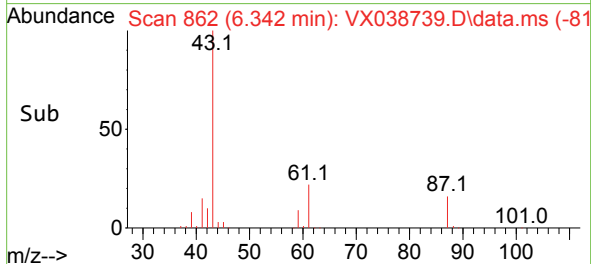
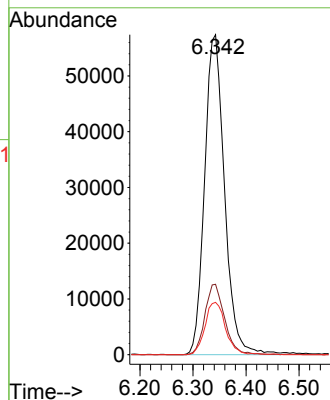
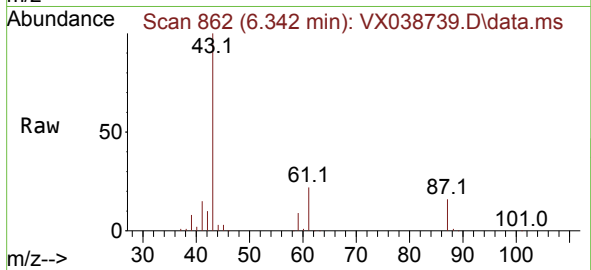




#43
Isopropyl Acetate
Concen: 24.258 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

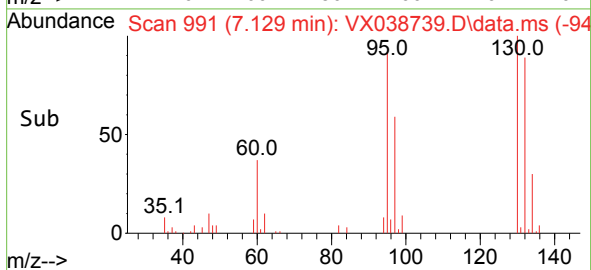
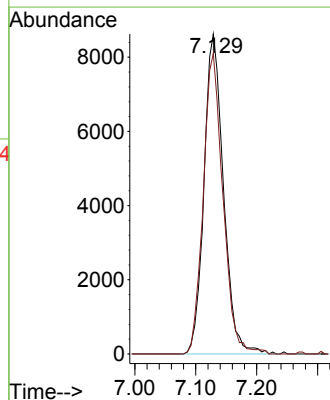
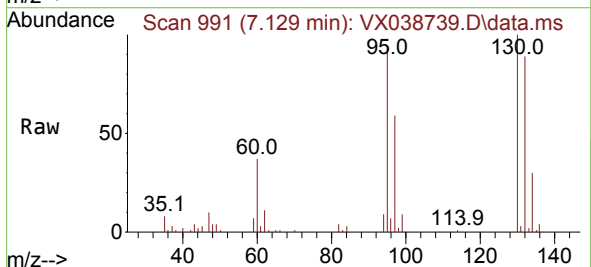
Instrument :
MSVOA_X
ClientSampleId :

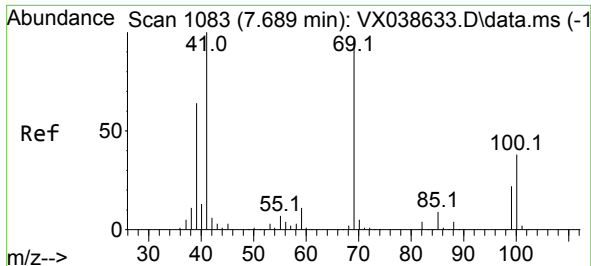
Tgt Ion: 43 Resp: 149749
Ion Ratio Lower Upper
43 100
61 21.8 15.2 22.8
87 16.9 9.8 14.6#



#44
Trichloroethene
Concen: 5.437 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion:130 Resp: 19163
Ion Ratio Lower Upper
130 100
95 93.9 0.0 204.4

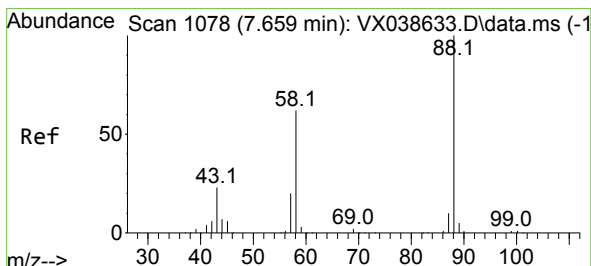
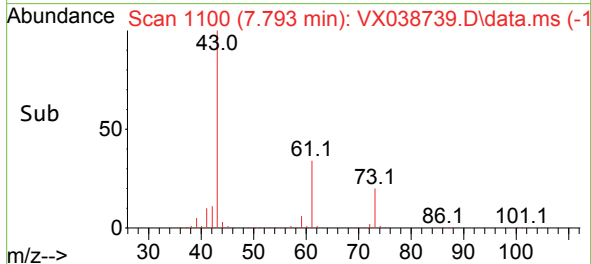
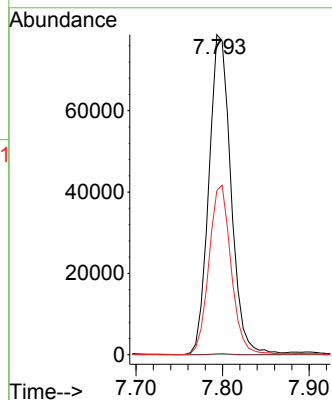
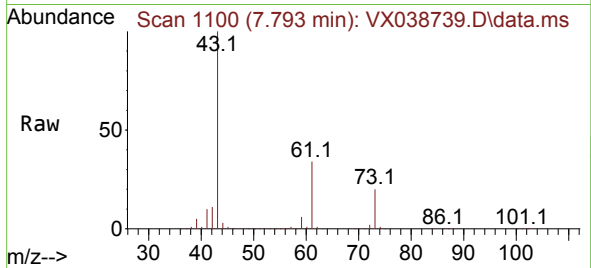




#48
Methyl methacrylate
Concen: 46.880 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

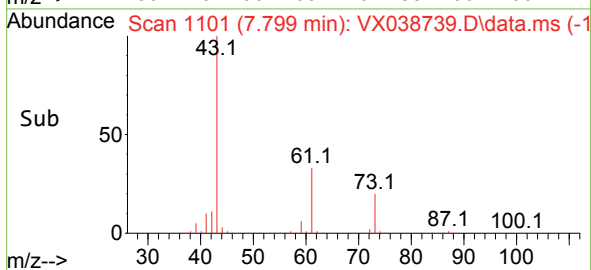
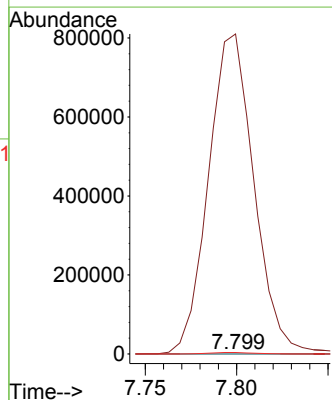
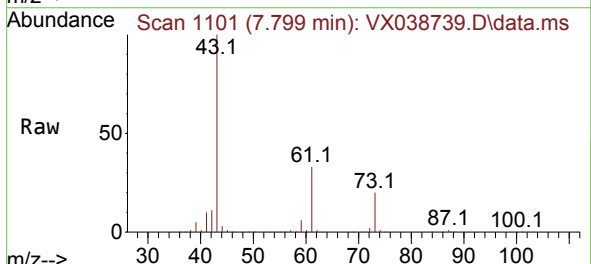
Instrument :
MSVOA_X
ClientSampleId :

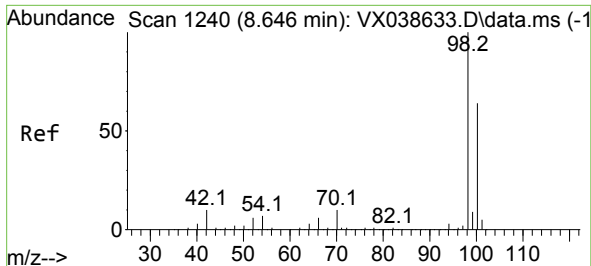
Tgt Ion: 41 Resp: 139466
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.2 47.7 71.5



#49
1,4-Dioxane
Concen: 4.563 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.141 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion: 88 Resp: 309
Ion Ratio Lower Upper
88 100
43 459873.5 0.0 0.0#
58 2070.6 60.1 90.1#

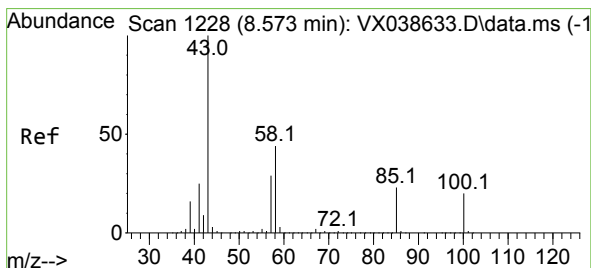
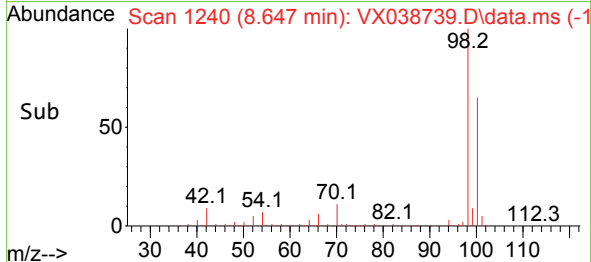
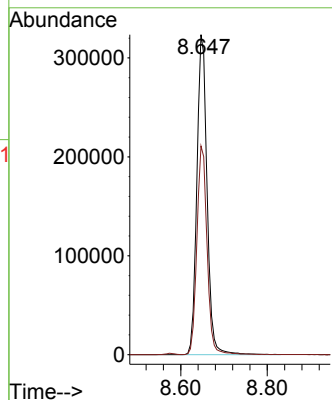
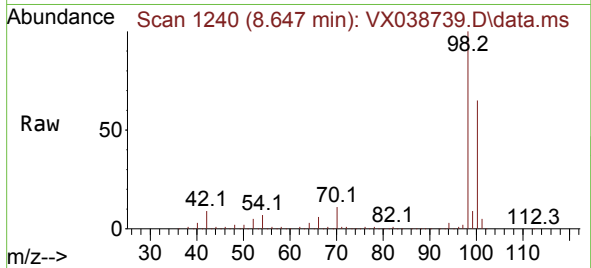




#50
Toluene-d8
Concen: 46.593 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

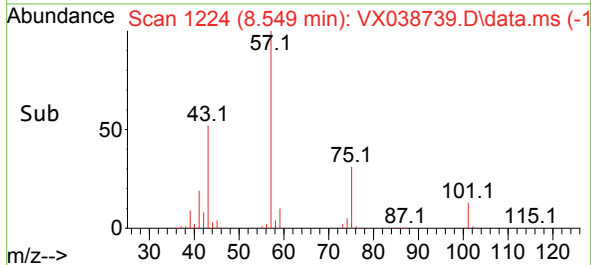
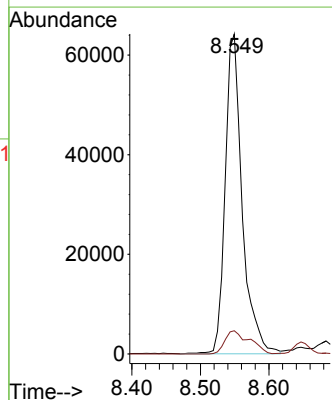
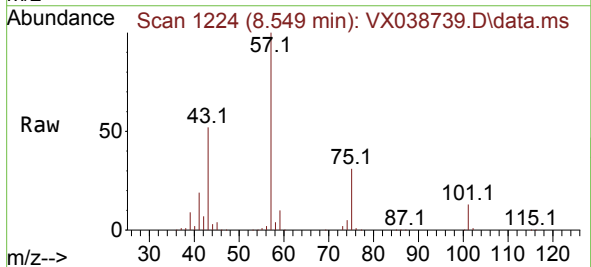
Instrument :
MSVOA_X
ClientSampleId :

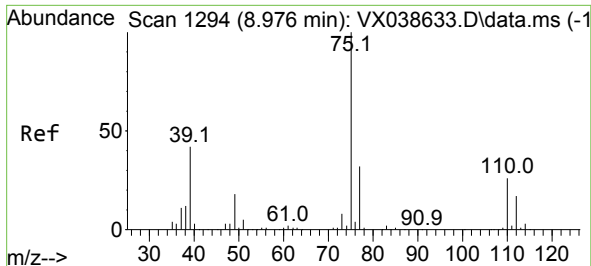
Tgt Ion: 98 Resp: 527859
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 27.384 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion: 43 Resp: 110139
Ion Ratio Lower Upper
43 100
58 10.7 30.4 45.6#

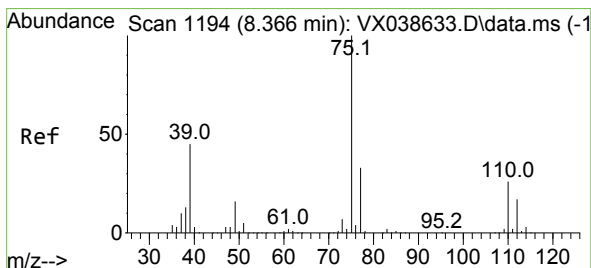
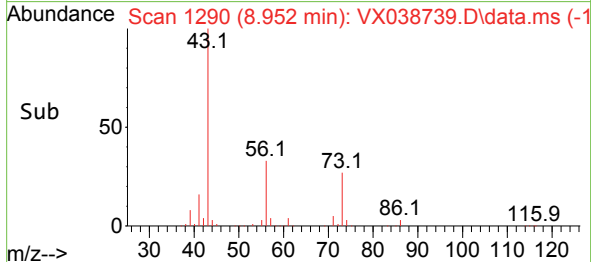
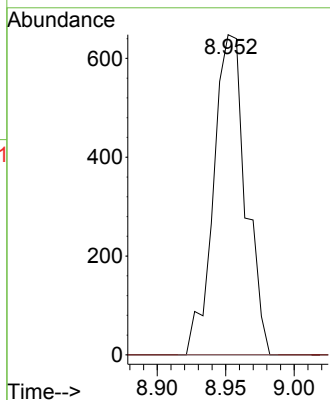
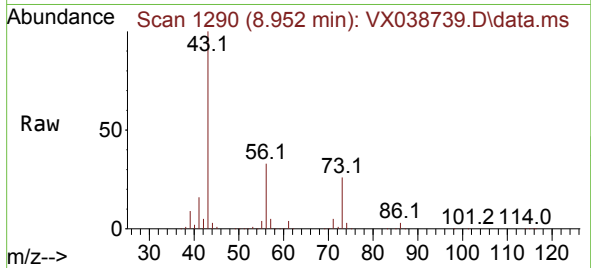




#53
 t-1,3-Dichloropropene
 Concen: 0.242 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX038739.D
 Acq: 10 Nov 2023 19:15

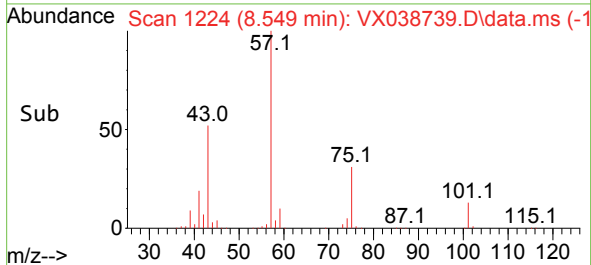
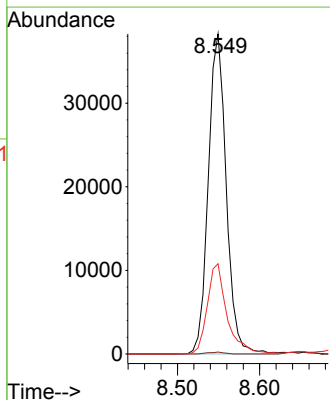
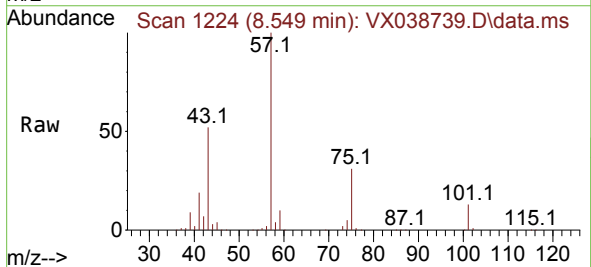
Instrument :
 MSVOA_X
 ClientSampleId :

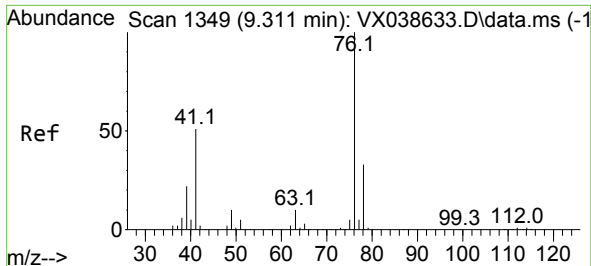
Tgt Ion: 75 Resp: 1062
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.538 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX038739.D
 Acq: 10 Nov 2023 19:15

Tgt Ion: 75 Resp: 58035
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 28.2 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.607 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX038739.D

Acq: 10 Nov 2023 19:15

Instrument :

MSVOA_X

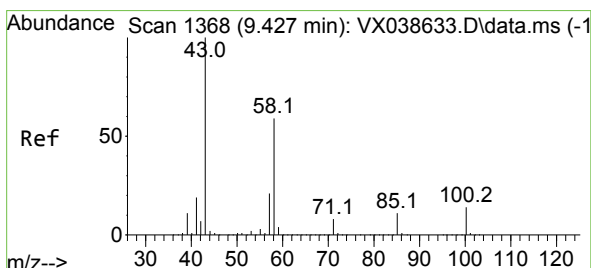
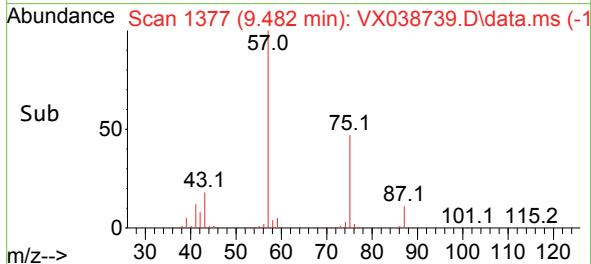
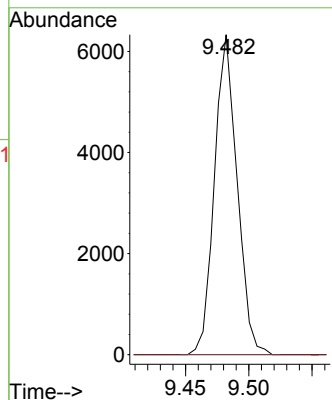
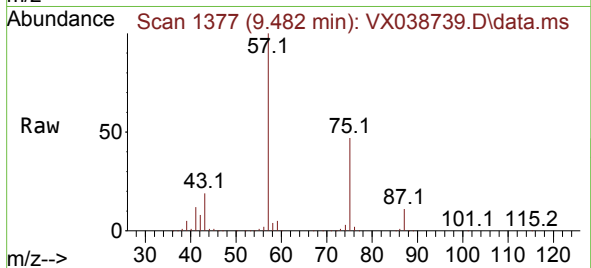
ClientSampleId :

Tgt Ion: 76 Resp: 7882

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 26.847 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX038739.D

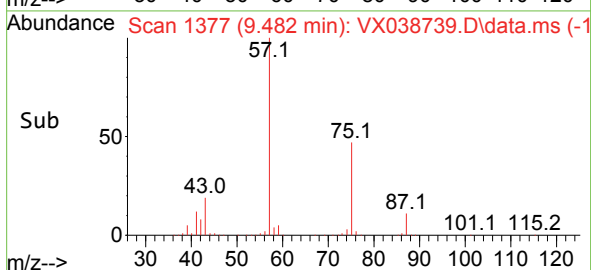
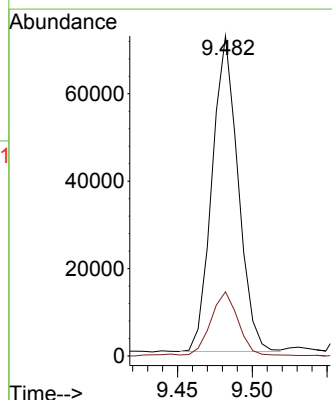
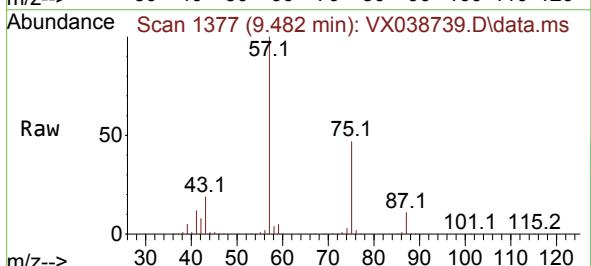
Acq: 10 Nov 2023 19:15

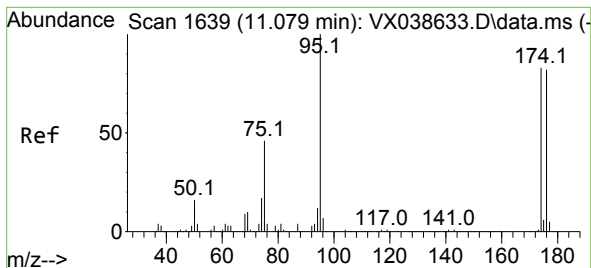
Tgt Ion: 43 Resp: 87371

Ion Ratio Lower Upper

43 100

58 22.3 26.2 78.5#

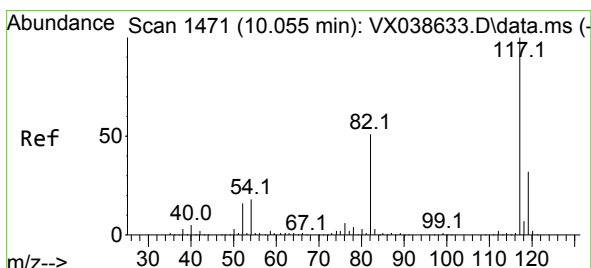
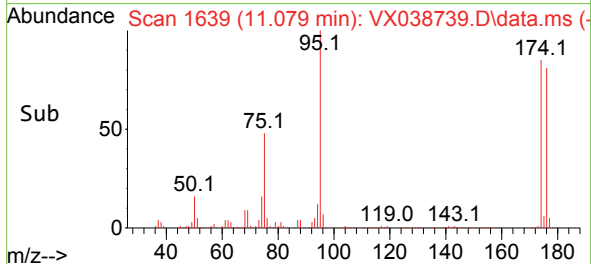
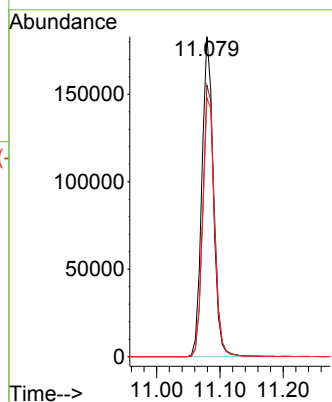
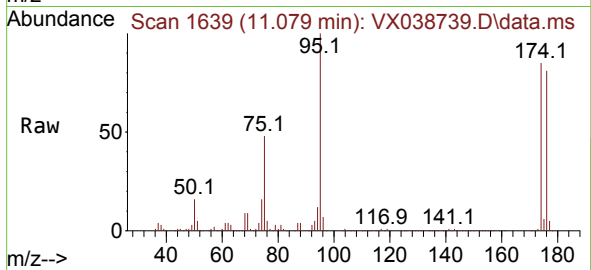




#62
4-Bromofluorobenzene
Concen: 52.486 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

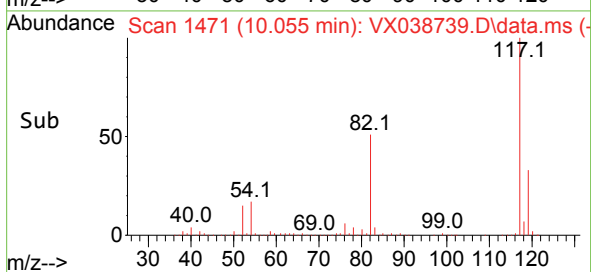
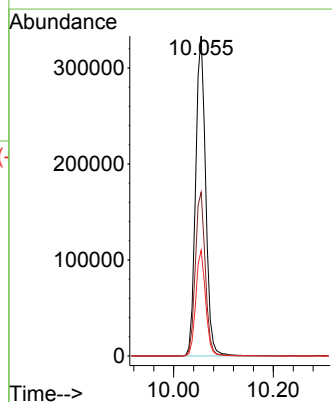
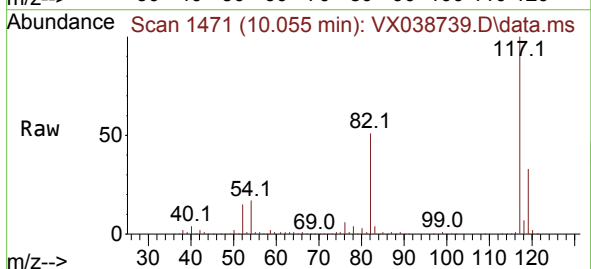
Instrument :
MSVOA_X
ClientSampleId :

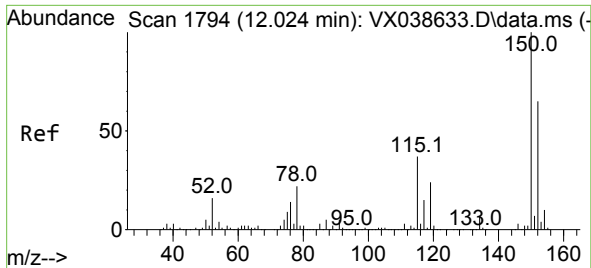
Tgt Ion: 95 Resp: 230546
Ion Ratio Lower Upper
95 100
174 87.2 0.0 135.6
176 83.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion: 117 Resp: 465460
Ion Ratio Lower Upper
117 100
82 51.2 46.2 69.4
119 33.0 25.5 38.3

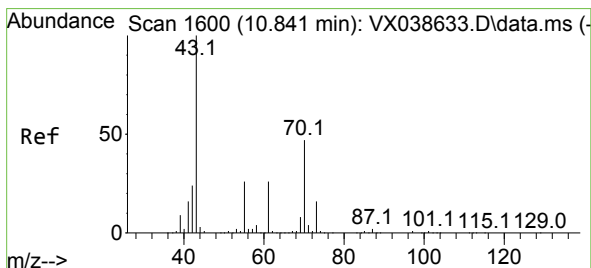
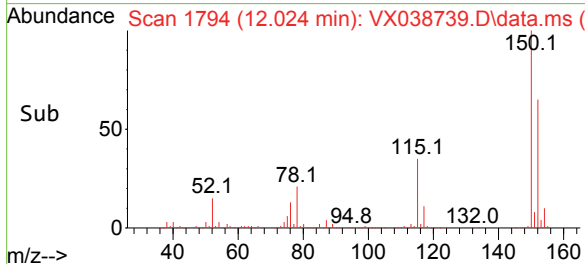
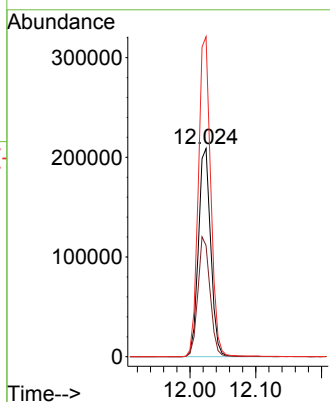
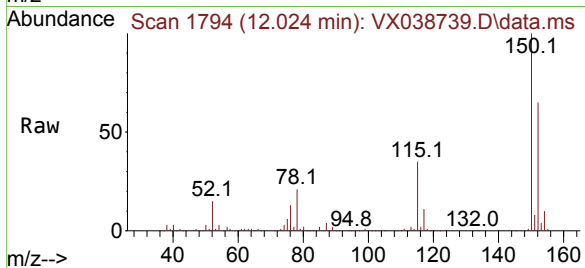




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

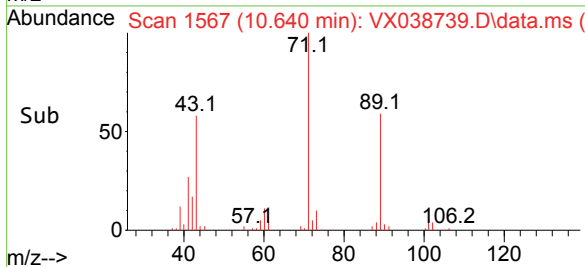
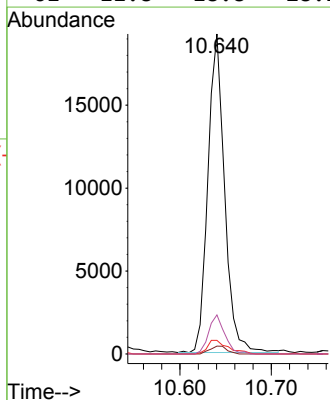
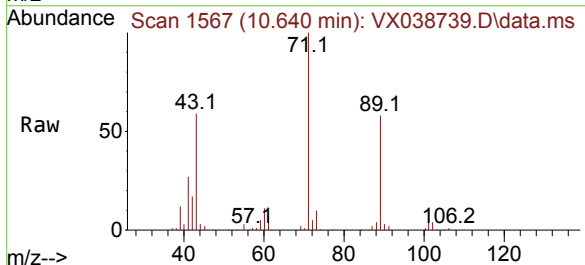
Instrument :
MSVOA_X
ClientSampleId :

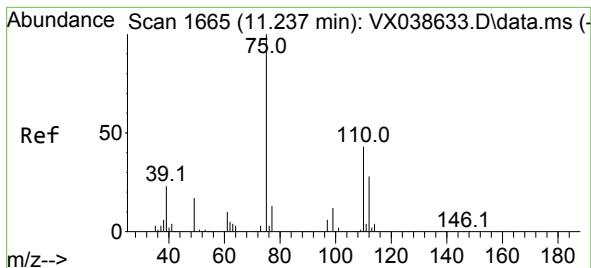
Tgt Ion:152 Resp: 271468
Ion Ratio Lower Upper
152 100
115 56.9 43.3 129.9
150 155.2 0.0 345.0



#74
N-ethyl acetate
Concen: 4.205 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX038739.D
Acq: 10 Nov 2023 19:15

Tgt Ion: 43 Resp: 24333
Ion Ratio Lower Upper
43 100
70 2.5 32.9 49.3#
55 5.4 19.3 28.9#
61 11.8 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 20.353 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX038739.D

Acq: 10 Nov 2023 19:15

Instrument :

MSVOA_X

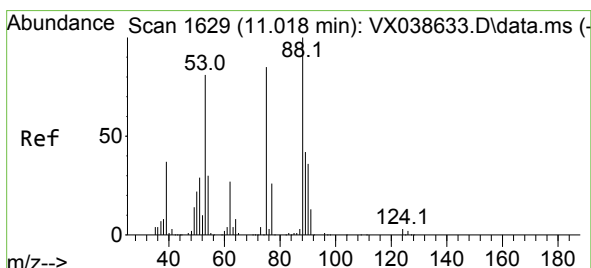
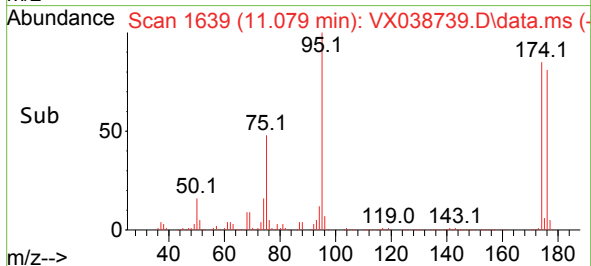
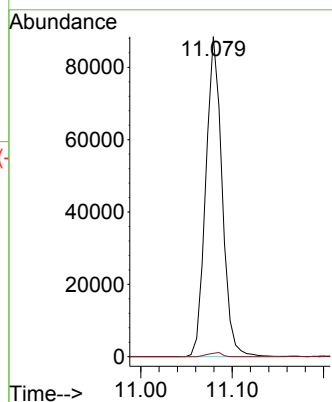
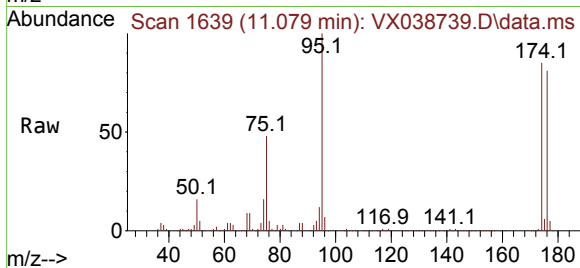
ClientSampleId :

Tgt Ion: 75 Resp: 109424

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.083 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038739.D

Acq: 10 Nov 2023 19:15

Tgt Ion: 75 Resp: 109424

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 36.9 55.3#

