

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081023\
 Data File : VX036924.D
 Acq On : 10 Aug 2023 19:42
 Operator : JC/MD
 Sample : 03955-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 11 01:51:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

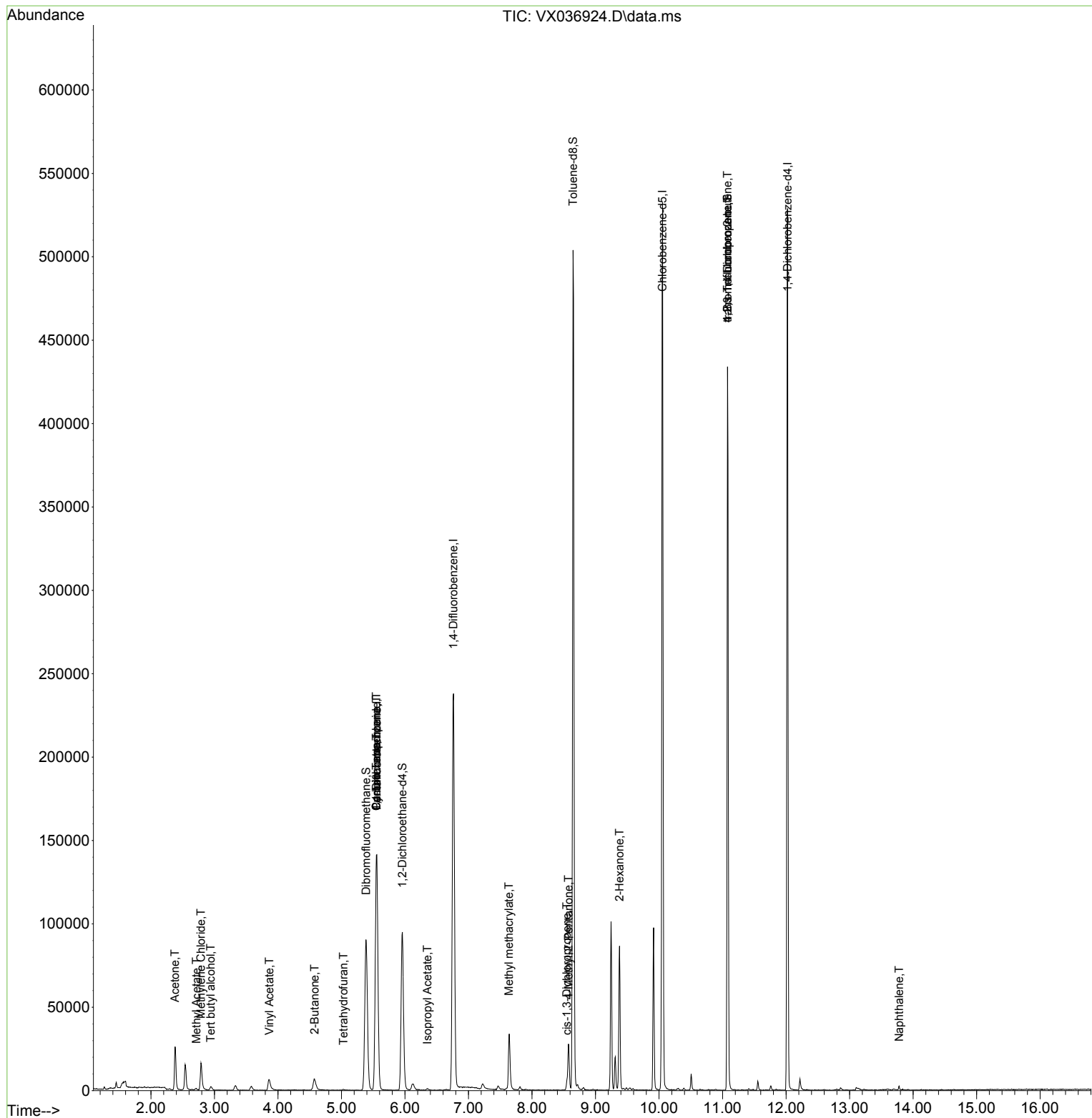
Internal Standards						
1) Pentafluorobenzene	5.556	168	133534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94197	47.675	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.340%		
35) Dibromofluoromethane	5.385	113	79748	46.715	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.420%		
50) Toluene-d8	8.647	98	298872	49.369	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.740%		
62) 4-Bromofluorobenzene	11.079	95	118192	51.747	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.500%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1411	3.016	ug/l #	78
16) Acetone	2.380	43	27930	34.065	ug/l	90
18) Methyl Acetate	2.715	43	1619	0.469	ug/l	94
20) Methylene Chloride	2.788	84	8452	4.635	ug/l	88
23) Vinyl Acetate	3.861	43	1387	0.323	ug/l #	73
25) 2-Butanone	4.574	43	5369	4.036	ug/l	93
29) Tetrahydrofuran	5.032	42	198	0.231	ug/l #	66
31) Cyclohexane	5.550	56	2887	1.055	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11220	4.410	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14233	5.261	ug/l #	15
43) Isopropyl Acetate	6.355	43	1282	0.259	ug/l #	79
48) Methyl methacrylate	7.635	41	1098	0.476	ug/l #	20
51) 4-Methyl-2-Pentanone	8.574	43	17093	6.231	ug/l	100
54) cis-1,3-Dichloropropene	8.549	75	968	0.286	ug/l #	65
59) 2-Hexanone	9.378	43	55364	27.191	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	61139	23.999	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	61139	54.394	ug/l #	5
95) Naphthalene	13.780	128	1617	0.206	ug/l #	95

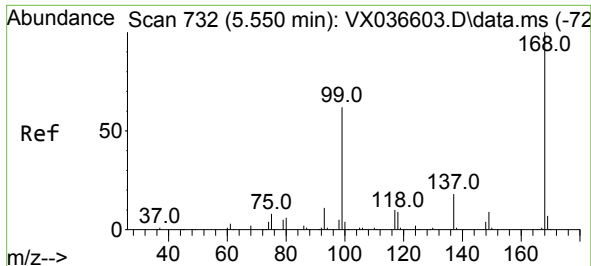
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

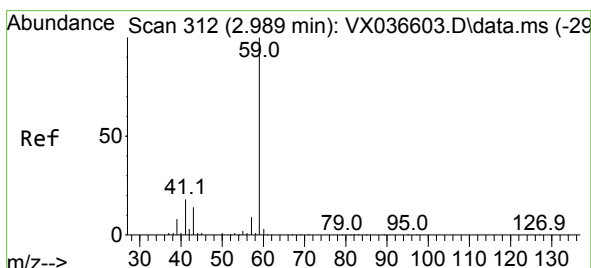
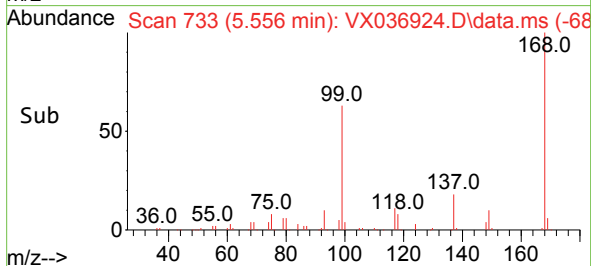
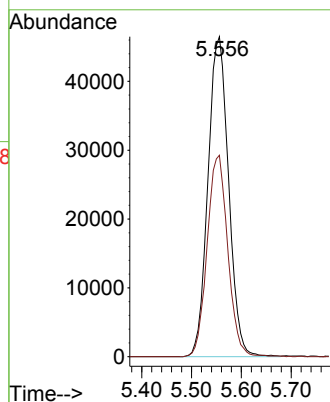
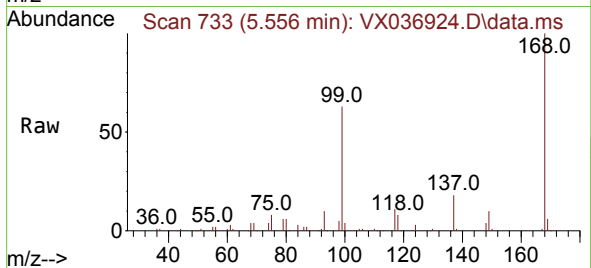




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

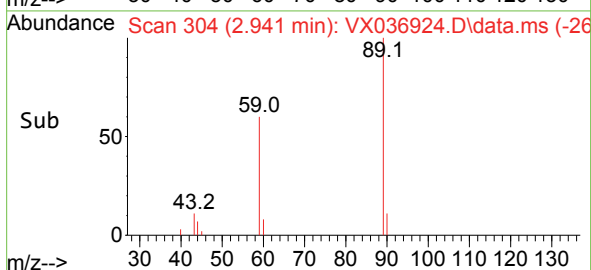
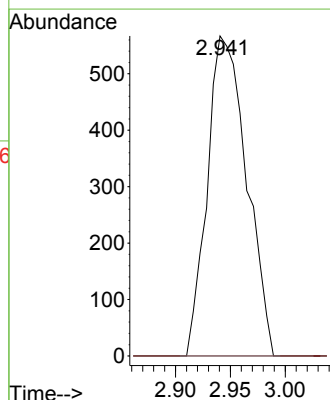
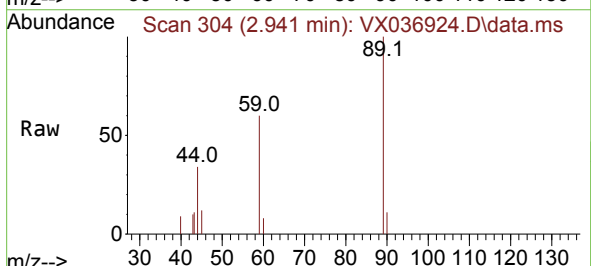
Instrument :
MSVOA_X
ClientSampleId :

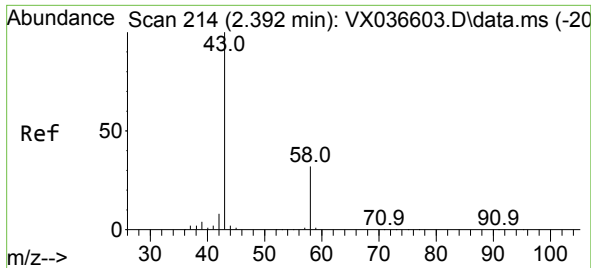
Tgt Ion:168 Resp: 133534
Ion Ratio Lower Upper
168 100
99 63.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.016 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Tgt Ion: 59 Resp: 1411
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

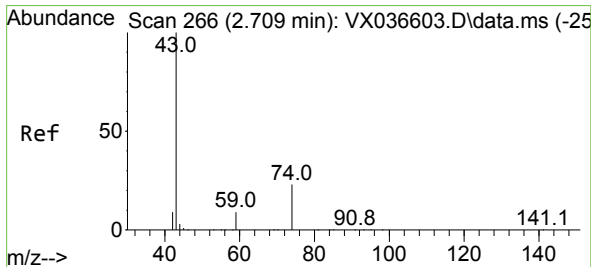
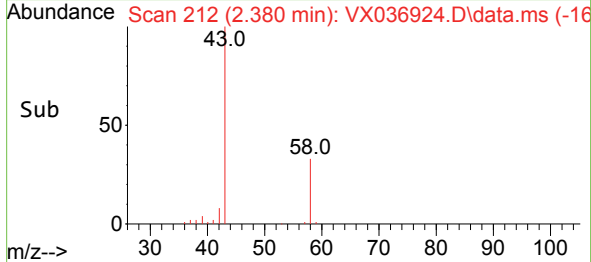
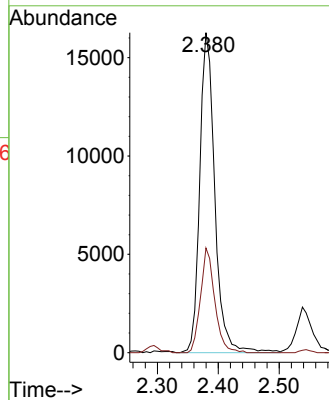
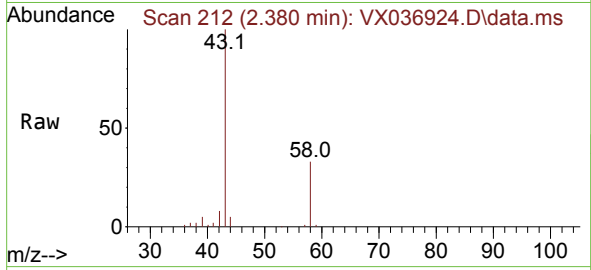




#16
Acetone
Concen: 34.065 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

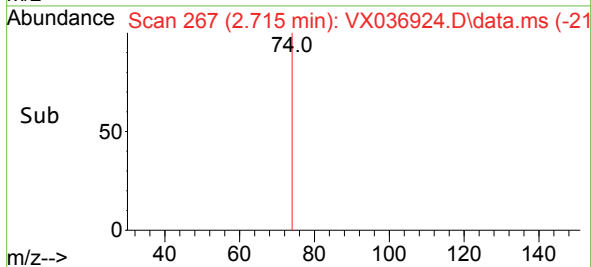
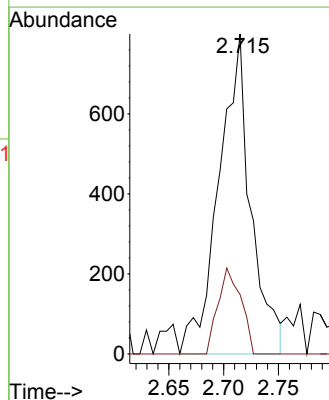
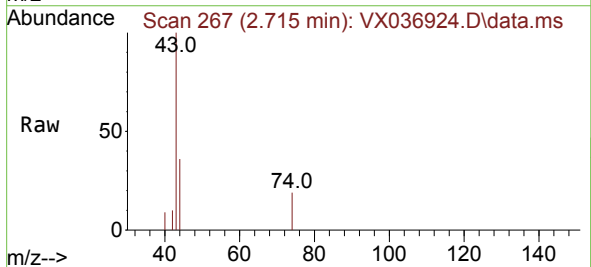
Instrument :
MSVOA_X
ClientSampleId :

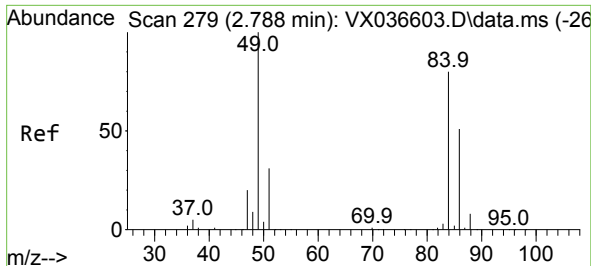
Tgt Ion: 43 Resp: 27930
Ion Ratio Lower Upper
43 100
58 32.7 21.9 32.9



#18
Methyl Acetate
Concen: 0.469 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

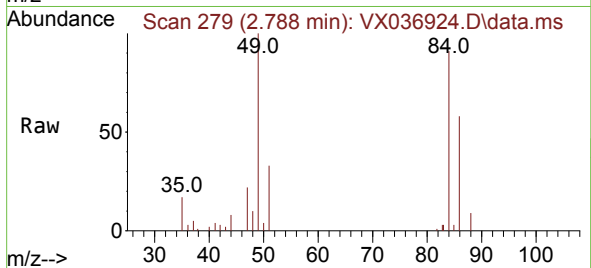
Tgt Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
74 19.3 17.8 26.8



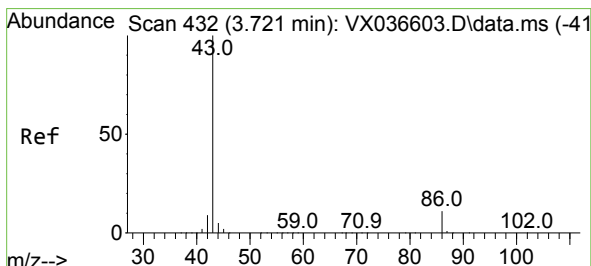
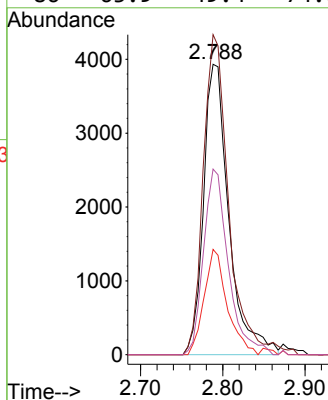
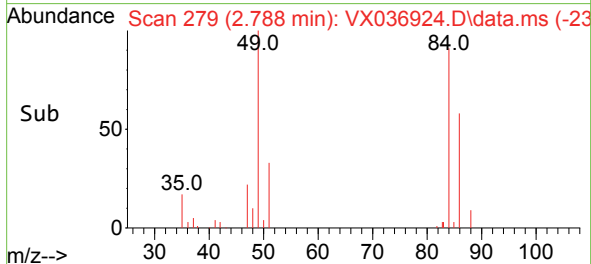


#20
Methylene Chloride
Concen: 4.635 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Instrument :
MSVOA_X
ClientSampleId :

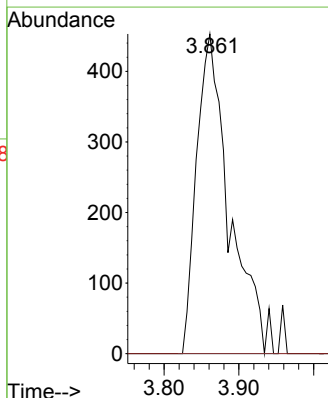
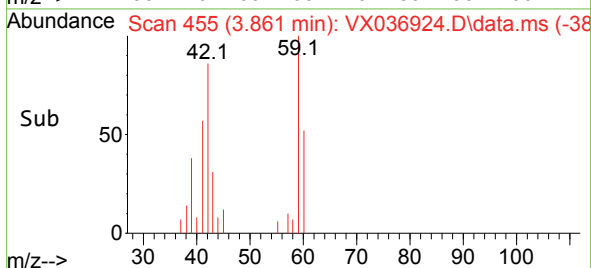
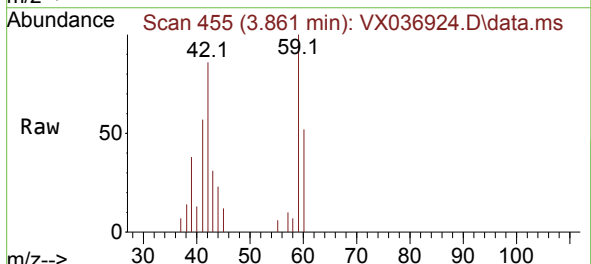


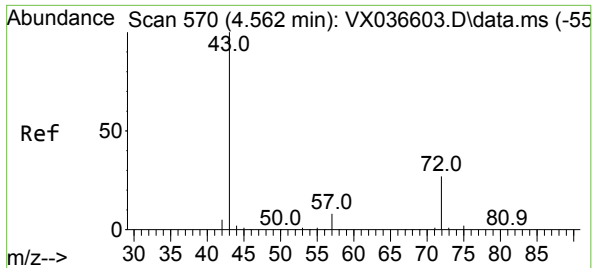
Tgt Ion:	84	Resp:	8452
Ion	Ratio	Lower	Upper
84	100		
49	110.2	103.6	155.4
51	36.3	33.8	50.6
86	63.9	49.4	74.0



#23
Vinyl Acetate
Concen: 0.323 ug/l
RT: 3.861 min Scan# 455
Delta R.T. 0.140 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Tgt Ion:	43	Resp:	1387
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8#

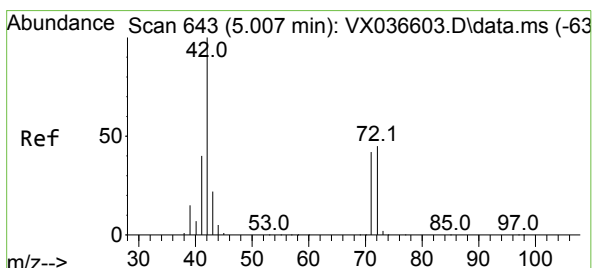
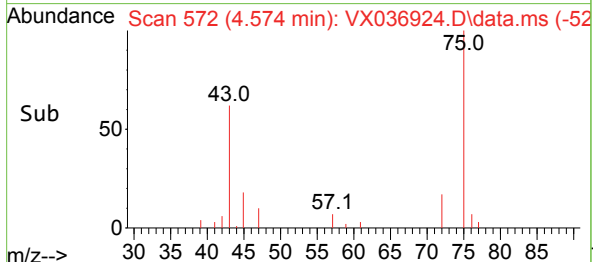
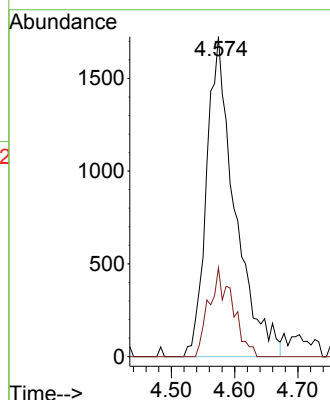
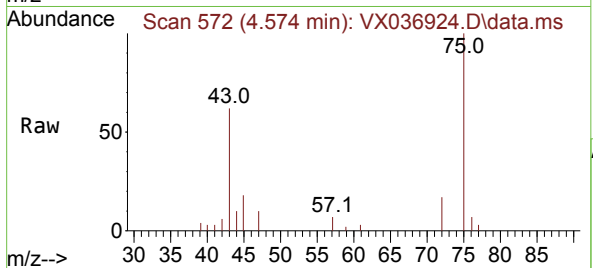




#25
2-Butanone
Concen: 4.036 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

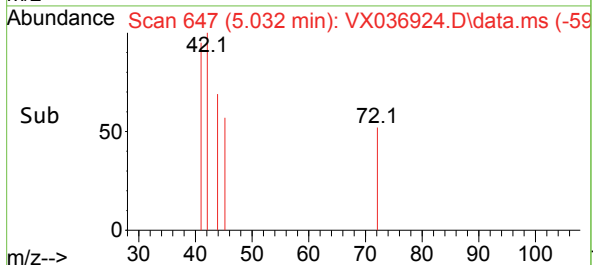
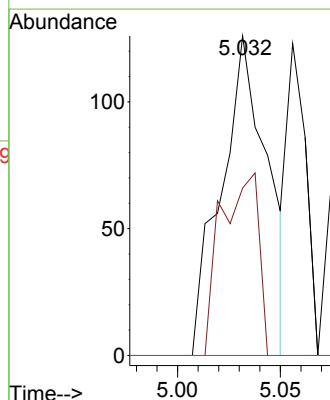
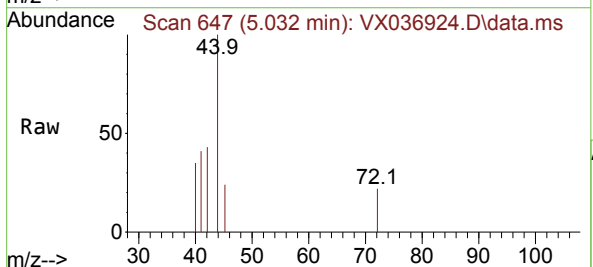
Instrument :
MSVOA_X
ClientSampleId :

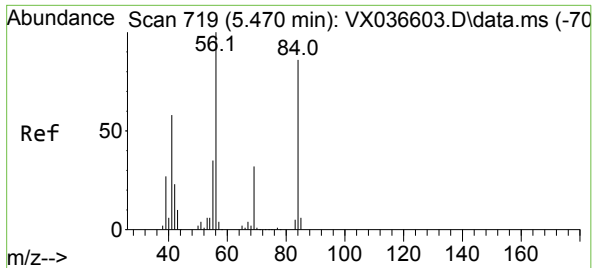
Tgt Ion: 43 Resp: 5369
Ion Ratio Lower Upper
43 100
72 27.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.231 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

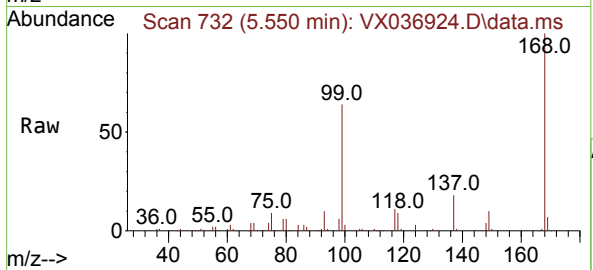
Tgt Ion: 42 Resp: 198
Ion Ratio Lower Upper
42 100
72 46.5 34.2 51.4
71 0.0 32.2 48.2#



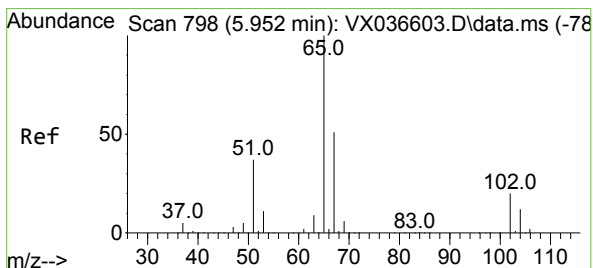
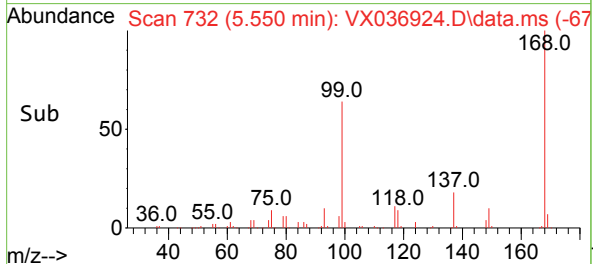
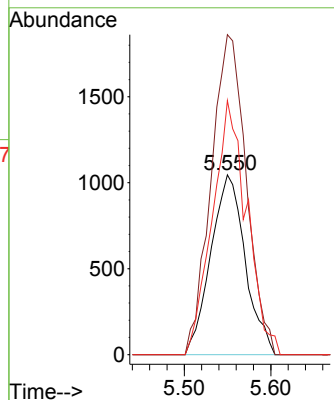


#31
Cyclohexane
Concen: 1.055 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Instrument :
MSVOA_X
ClientSampleId :

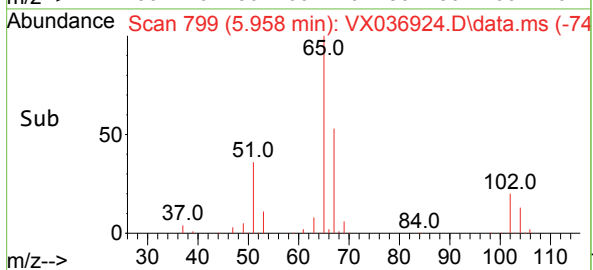
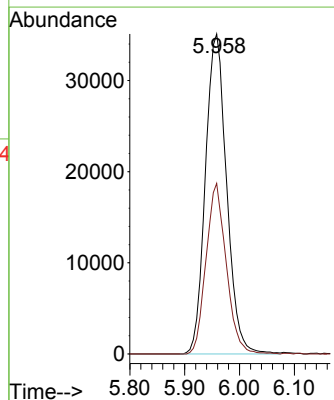
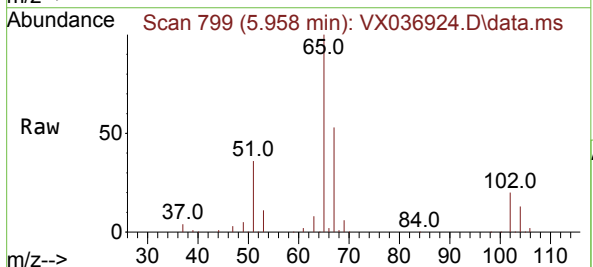


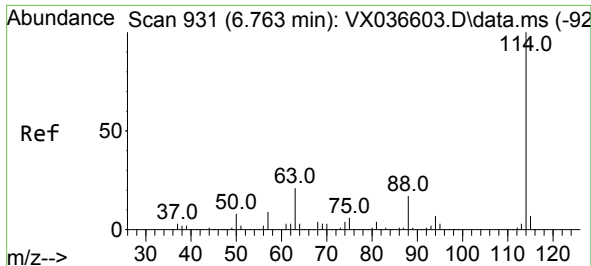
Tgt Ion: 56 Resp: 2887
Ion Ratio Lower Upper
56 100
69 177.9 23.4 35.2#
84 141.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.675 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Tgt Ion: 65 Resp: 94197
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

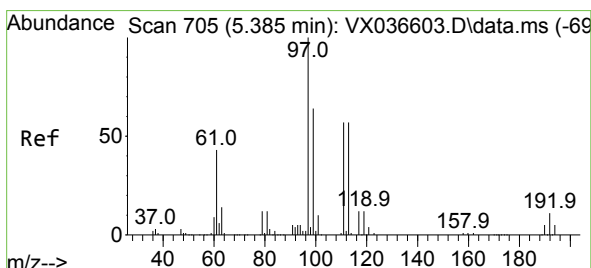
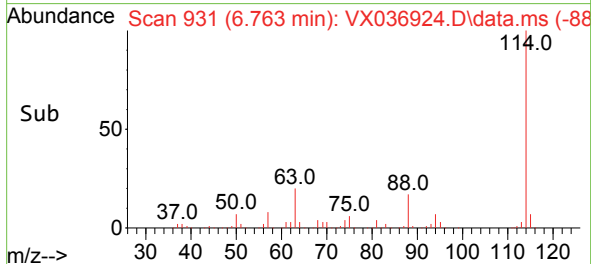
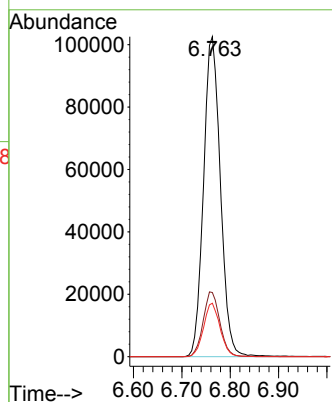
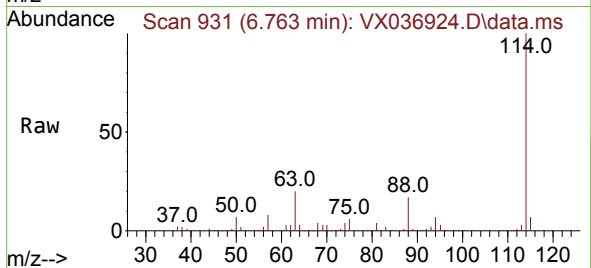




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

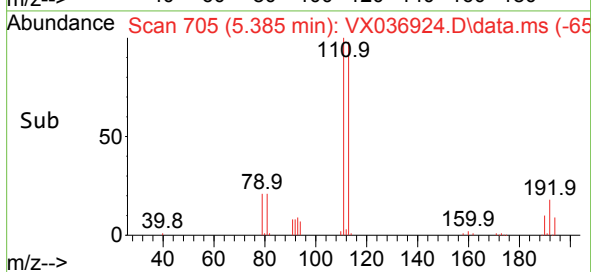
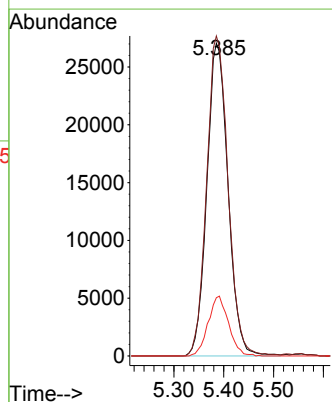
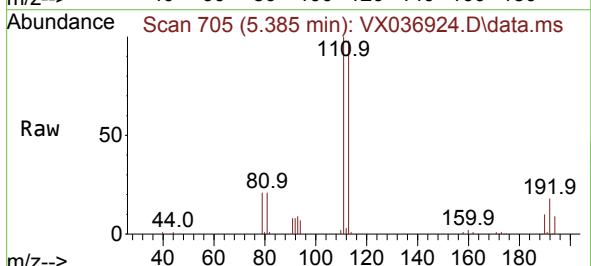
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MSVOA_X
ClientSampleId :

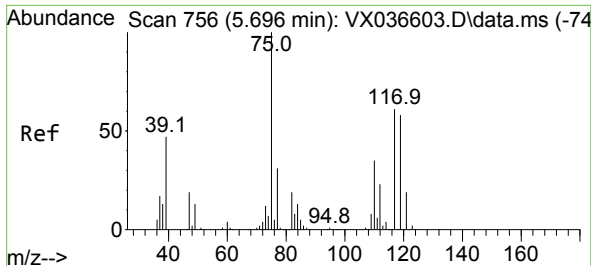
Tgt Ion:114 Resp: 248367
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.715 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

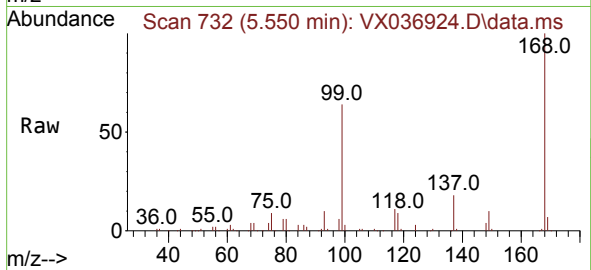
Tgt Ion:113 Resp: 79748
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 18.4 13.3 19.9



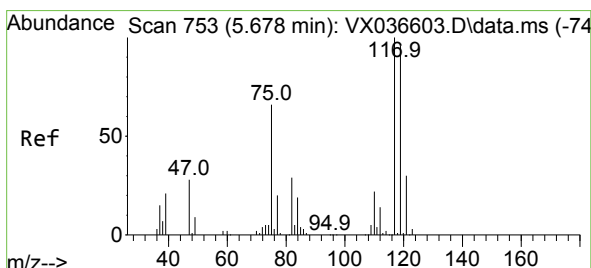
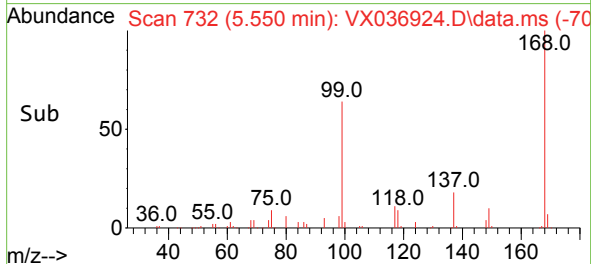
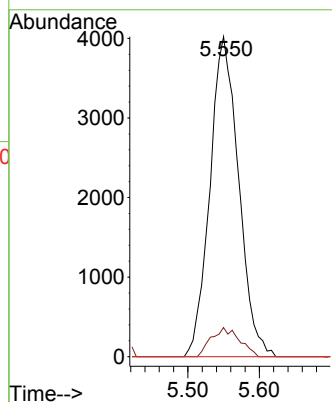


#36
1,1-Dichloropropene
Concen: 4.410 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Instrument :
MSVOA_X
ClientSampleId :

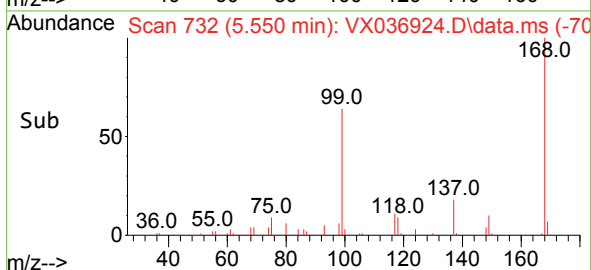
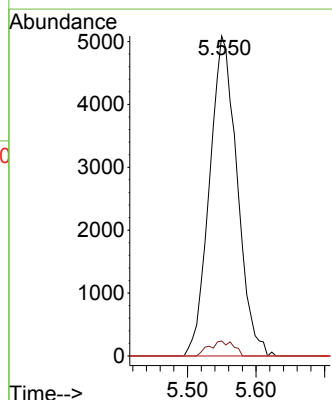
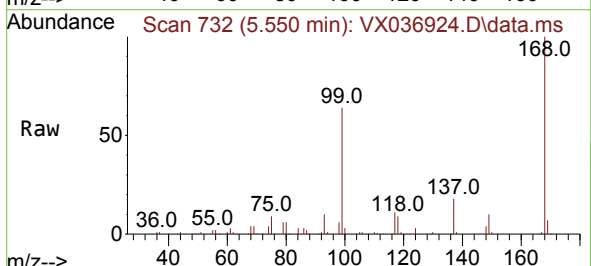


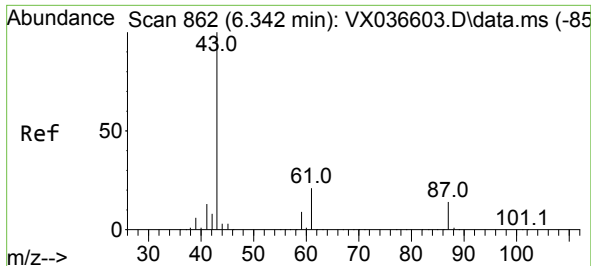
Tgt Ion: 75 Resp: 11220
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.261 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Tgt Ion: 117 Resp: 14233
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 0.259 ug/l

RT: 6.355 min Scan# 8

Delta R.T. 0.012 min

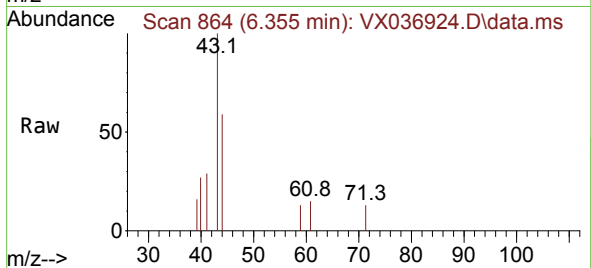
Lab File: VX036924.D

Acq: 10 Aug 2023 19:42

Instrument :

MSVOA_X

ClientSampleId :



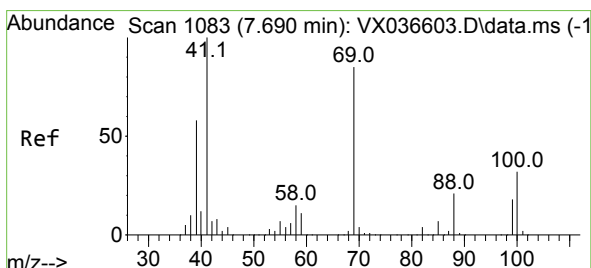
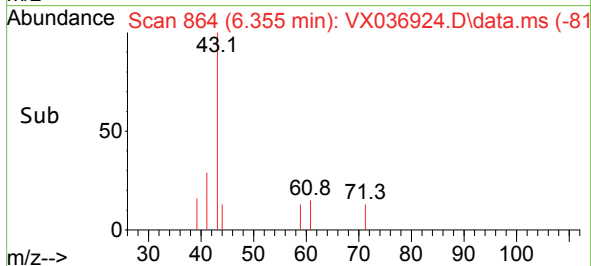
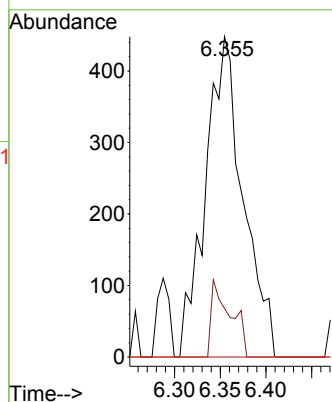
Tgt Ion: 43 Resp: 1282

Ion Ratio Lower Upper

43 100

61 12.3 15.2 22.8#

87 0.0 9.8 14.6#



#48

Methyl methacrylate

Concen: 0.476 ug/l

RT: 7.635 min Scan# 1074

Delta R.T. -0.055 min

Lab File: VX036924.D

Acq: 10 Aug 2023 19:42

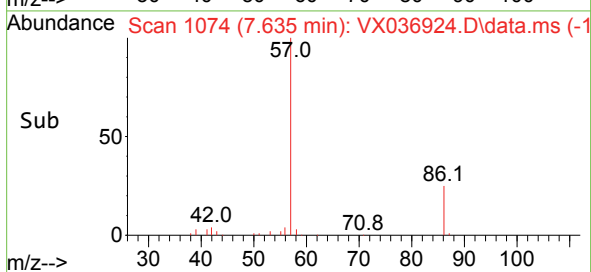
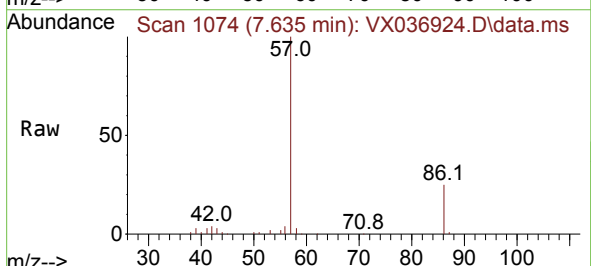
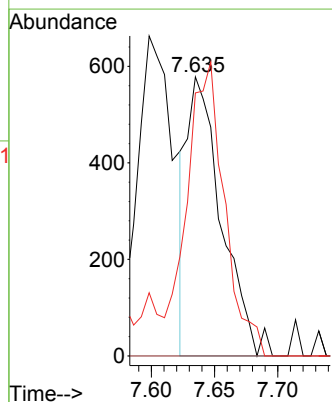
Tgt Ion: 41 Resp: 1098

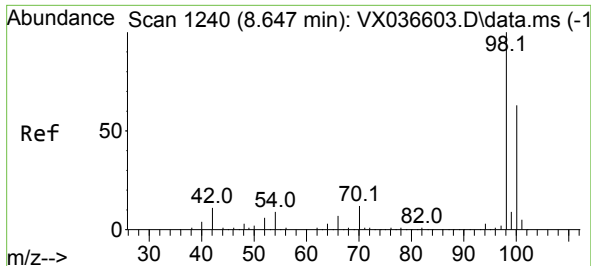
Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 113.6 47.7 71.5#

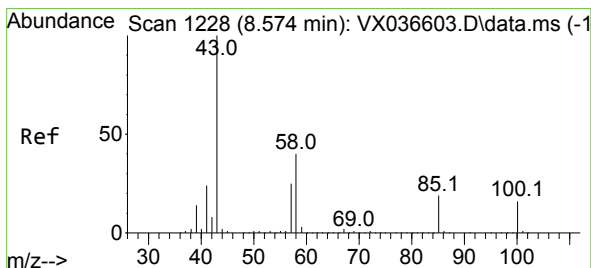
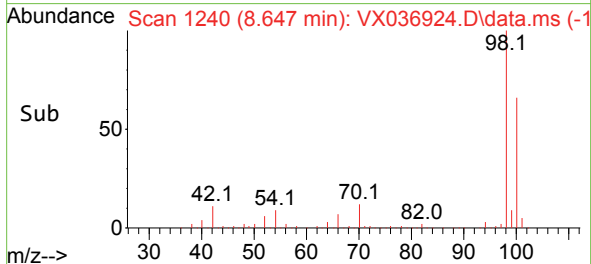
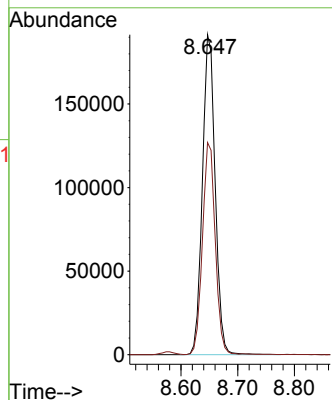
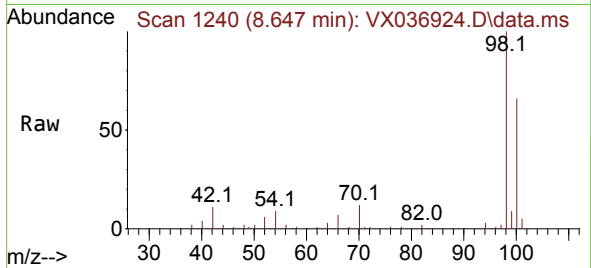




#50
Toluene-d8
Concen: 49.369 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

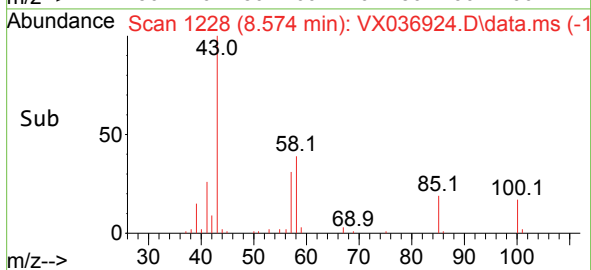
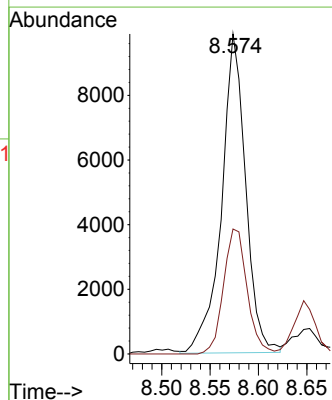
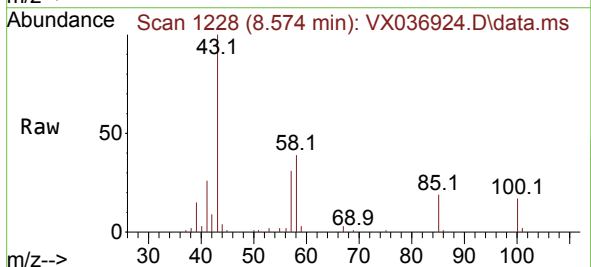
Instrument :
MSVOA_X
ClientSampleId :

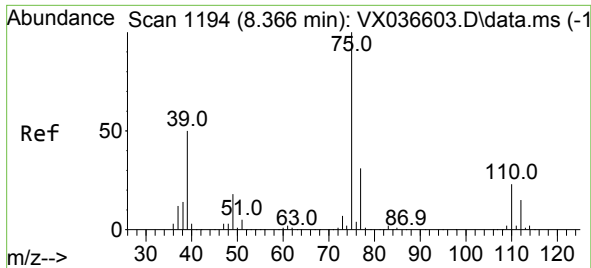
Tgt Ion: 98 Resp: 298872
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 6.231 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

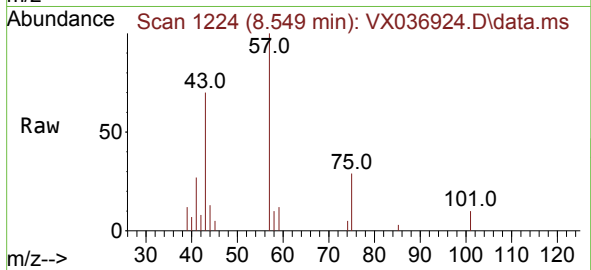
Tgt Ion: 43 Resp: 17093
Ion Ratio Lower Upper
43 100
58 38.3 30.4 45.6



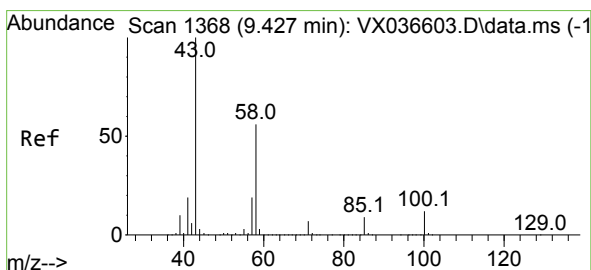
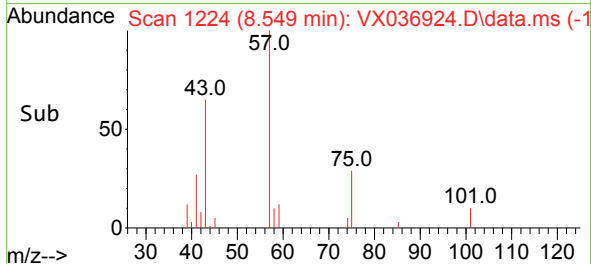
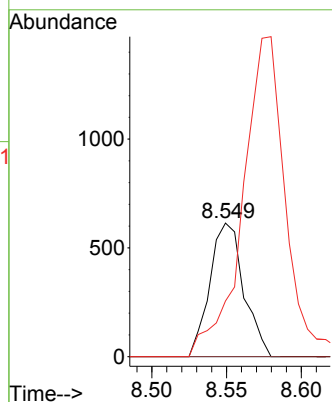


#54
 cis-1,3-Dichloropropene
 Concen: 0.286 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036924.D
 Acq: 10 Aug 2023 19:42

Instrument :
 MSVOA_X
 ClientSampleId :

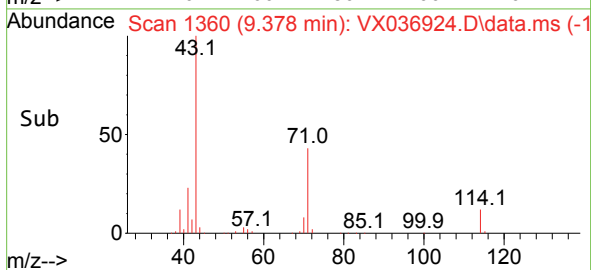
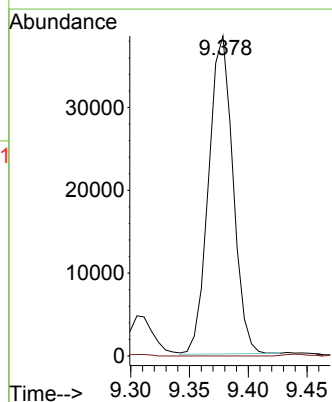
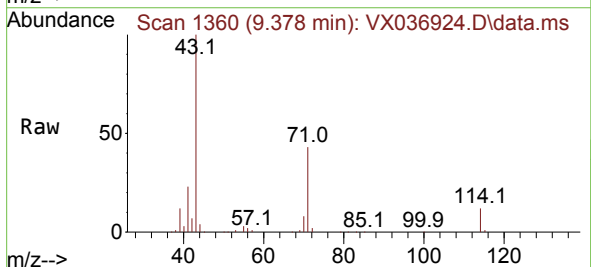


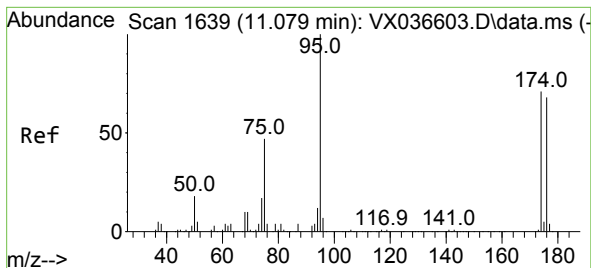
Tgt Ion: 75 Resp: 968
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 41.7 46.7 70.1#



#59
 2-Hexanone
 Concen: 27.191 ug/l
 RT: 9.378 min Scan# 1360
 Delta R.T. -0.049 min
 Lab File: VX036924.D
 Acq: 10 Aug 2023 19:42

Tgt Ion: 43 Resp: 55364
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 78.5#

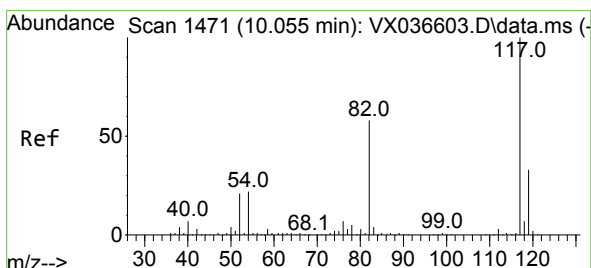
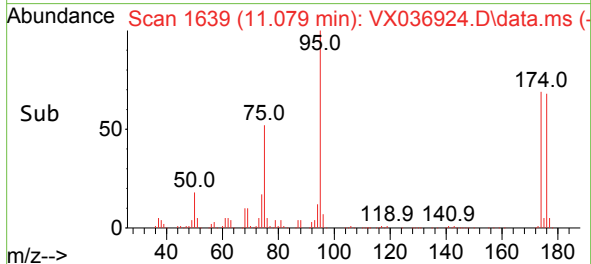
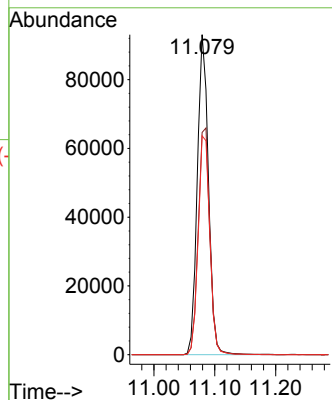
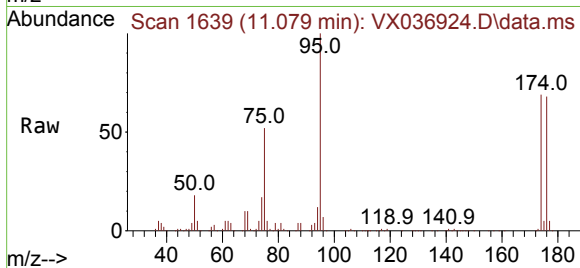




#62
4-Bromofluorobenzene
Concen: 51.747 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

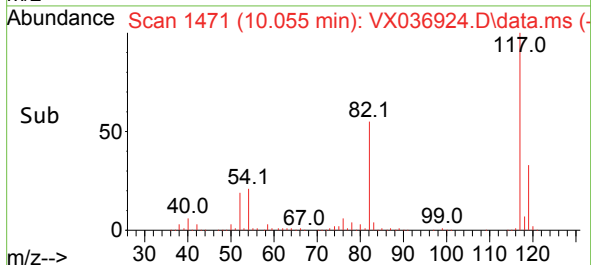
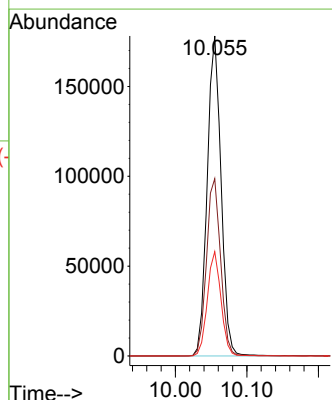
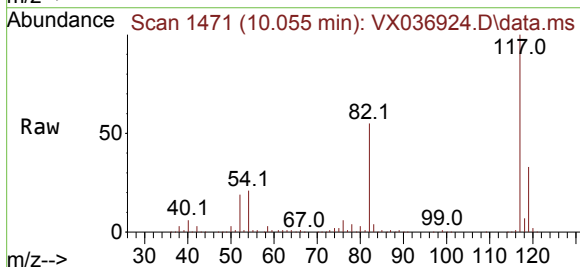
Instrument :
MSVOA_X
ClientSampleId :

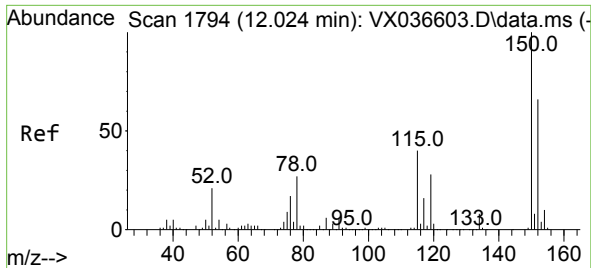
Tgt Ion: 95 Resp: 118192
Ion Ratio Lower Upper
95 100
174 73.4 0.0 135.6
176 71.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

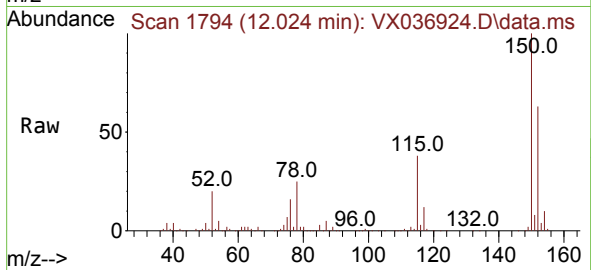
Tgt Ion: 117 Resp: 239603
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 32.6 25.5 38.3



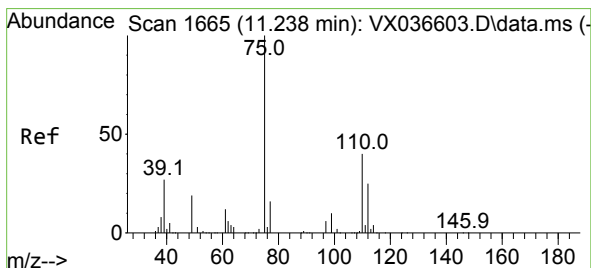
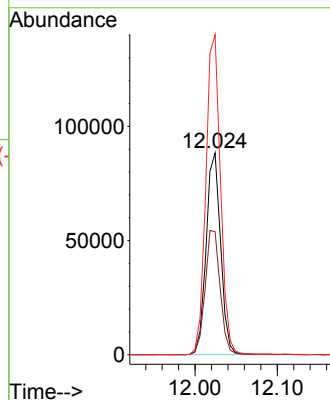
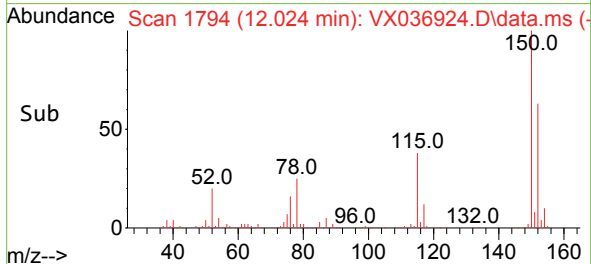


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Instrument :
MSVOA_X
ClientSampleId :

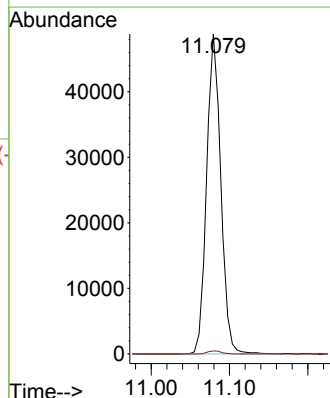
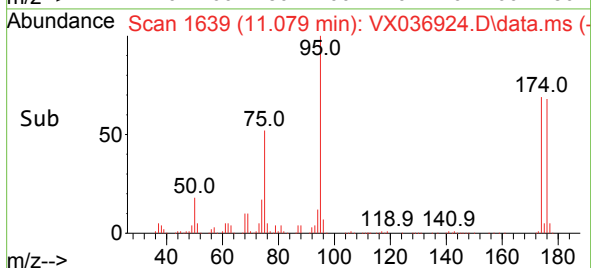
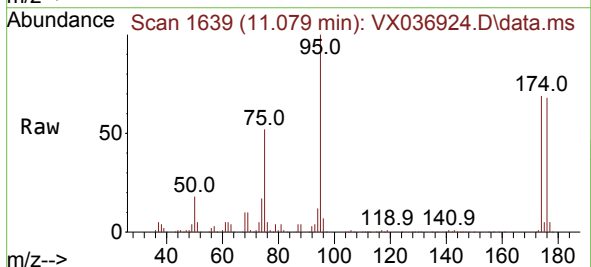


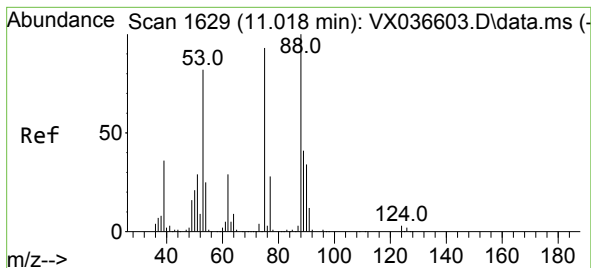
Tgt Ion:152 Resp: 108312
Ion Ratio Lower Upper
152 100
115 63.9 43.3 129.9
150 160.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 23.999 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Tgt Ion: 75 Resp: 61139
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#

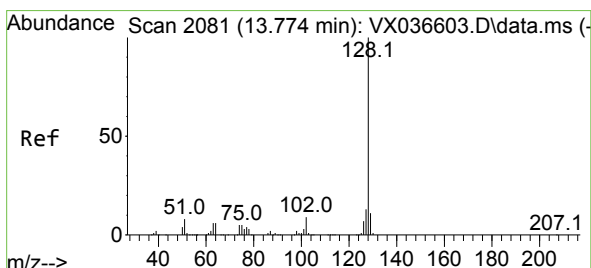
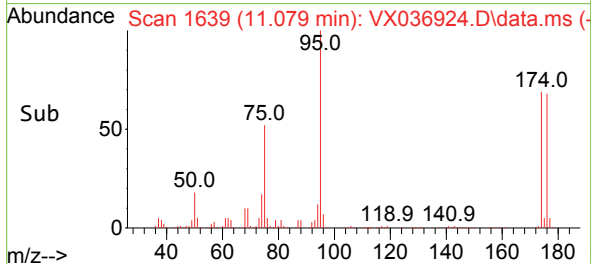
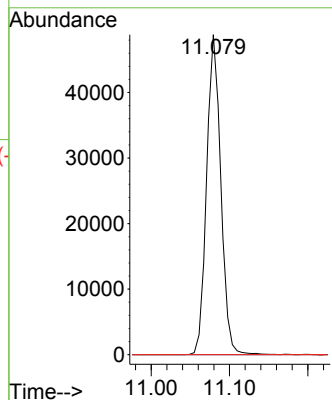
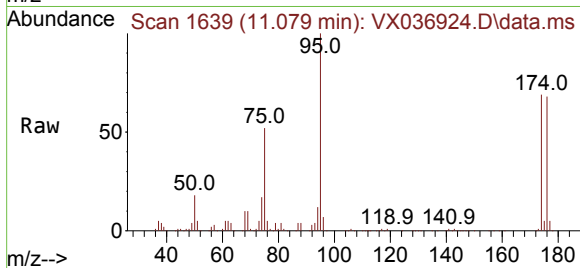




#81
trans-1,4-Dichloro-2-butene
Concen: 54.394 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 61139
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.206 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036924.D
Acq: 10 Aug 2023 19:42

Tgt Ion:128 Resp: 1617
Ion Ratio Lower Upper
128 100
127 10.3 10.3 15.5#
129 9.6 8.8 13.2

