

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081523\
 Data File : VX036998.D
 Acq On : 15 Aug 2023 19:20
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 16 05:36:20 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)

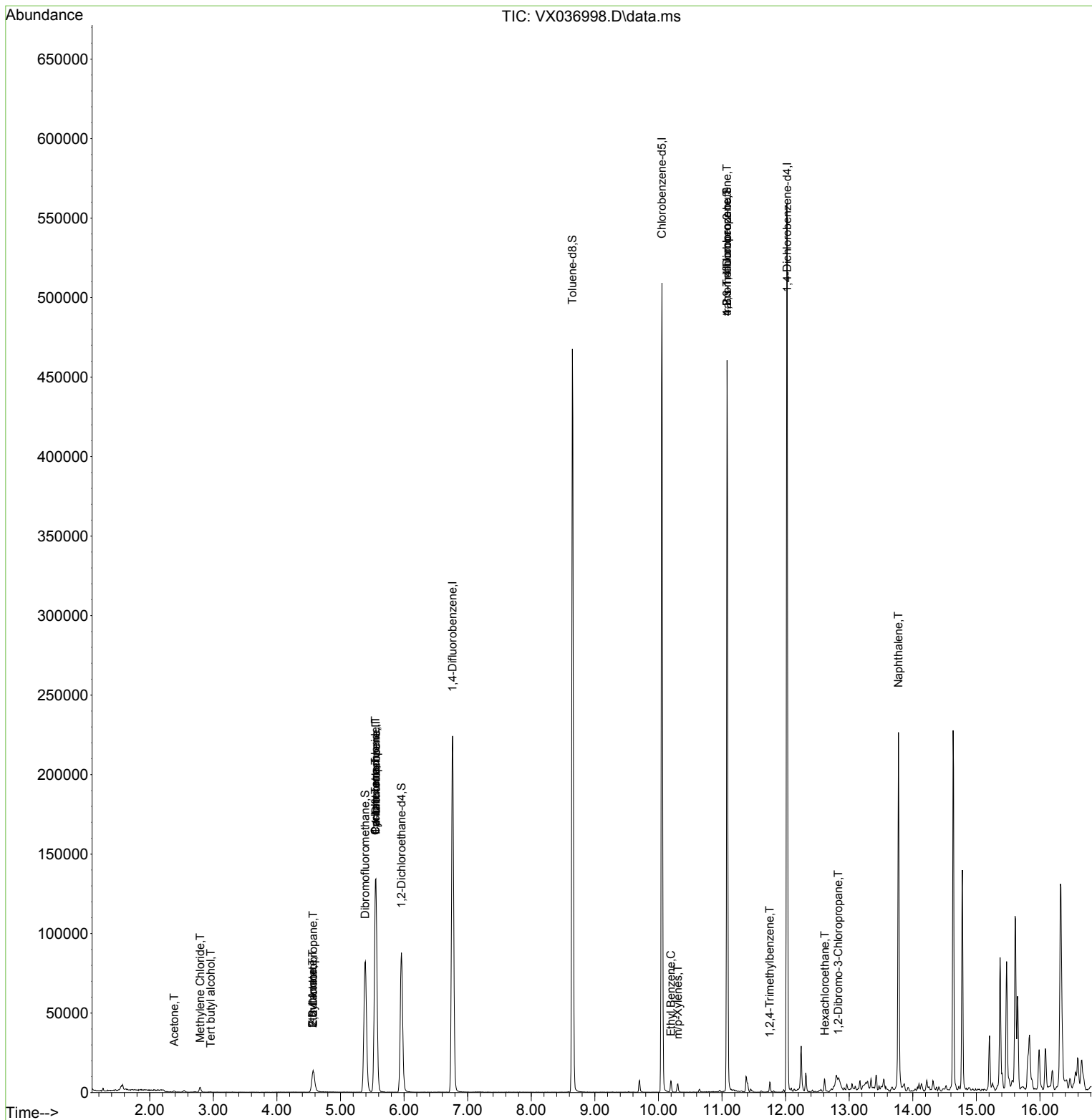
Internal Standards						
1) Pentafluorobenzene	5.556	168	126411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232518	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116303	50.000	ug/l	0.00

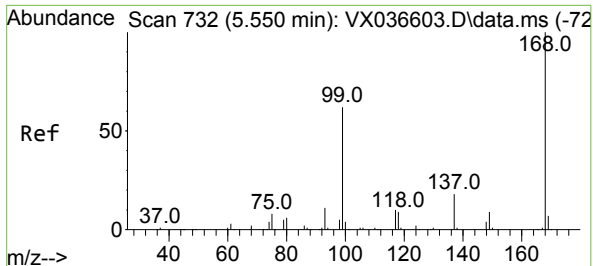
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86937	46.480	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.960%
35) Dibromofluoromethane	5.385	113	73113	45.747	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.500%
50) Toluene-d8	8.647	98	279684	49.348	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.700%
62) 4-Bromofluorobenzene	11.079	95	120542	56.373	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.740%

Target Compounds			Qvalue			
11) Tert butyl alcohol	2.959	59	168	0.379	ug/l #	78
16) Acetone	2.386	43	881	1.135	ug/l	95
20) Methylene Chloride	2.794	84	1655	0.959	ug/l	90
25) 2-Butanone	4.562	43	945	0.750	ug/l #	51
26) 2,2-Dichloropropane	4.568	77	1144	0.409	ug/l #	54
31) Cyclohexane	5.550	56	2785	1.075	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10264	4.309	ug/l #	52
37) Ethyl Acetate	4.562	43	945	0.350	ug/l #	14
38) Carbon Tetrachloride	5.550	117	13483	5.324	ug/l #	15
67) Ethyl Benzene	10.195	91	4414	0.475	ug/l	94
68) m/p-Xylenes	10.305	106	1296	0.374	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	62470	22.836	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62470	51.760	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	3154	0.392	ug/l	96
90) Hexachloroethane	12.616	117	502	0.305	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	12.829	75	158	0.209	ug/l #	9
95) Naphthalene	13.774	128	147040	17.482	ug/l	99

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

Quant Time: Aug 16 05:36:20 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

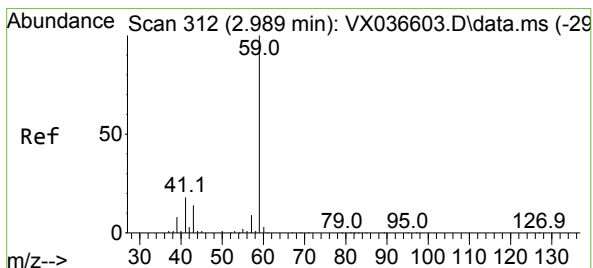
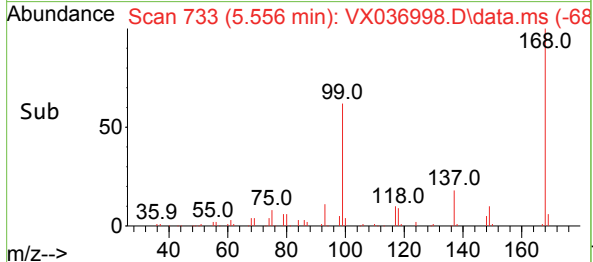
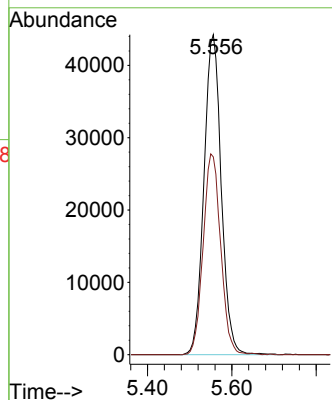
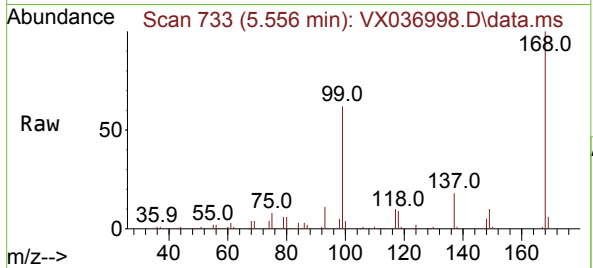




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

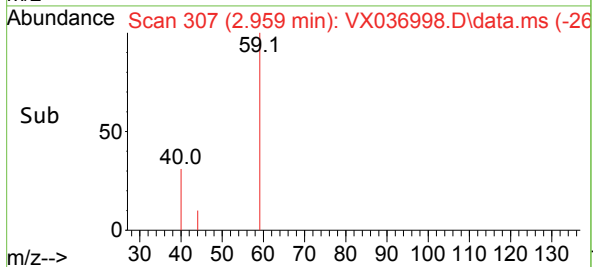
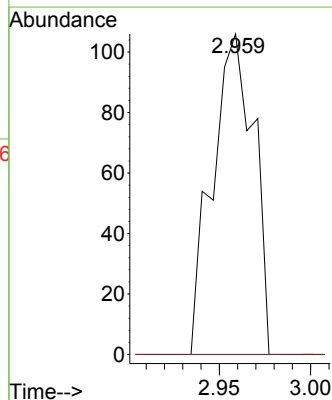
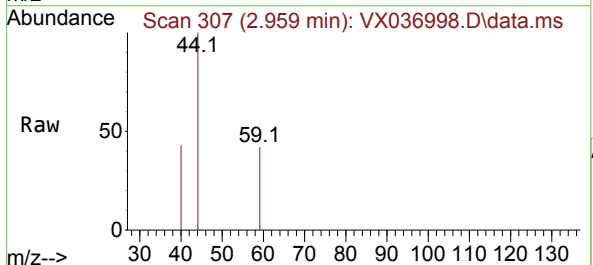
Instrument :
MSVOA_X
ClientSampleId :

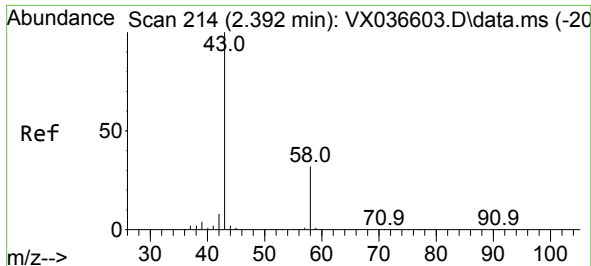
Tgt Ion:168 Resp: 126411
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.379 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

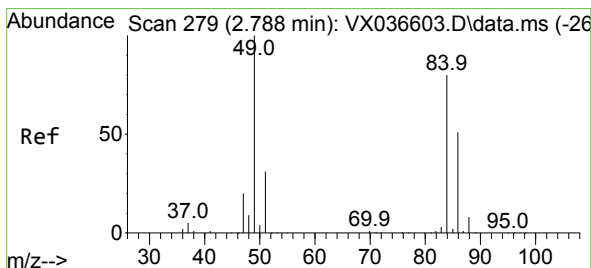
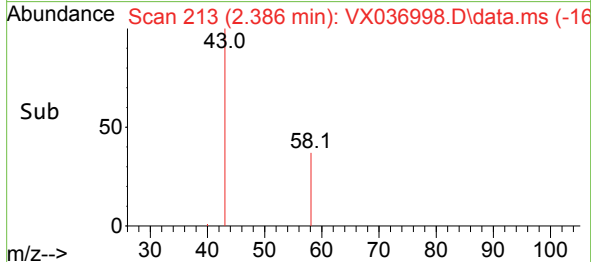
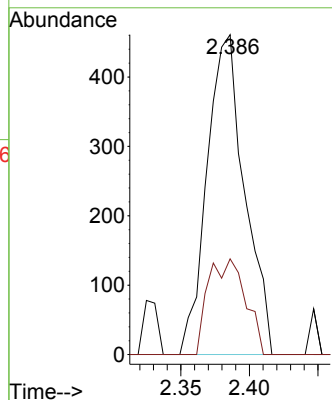
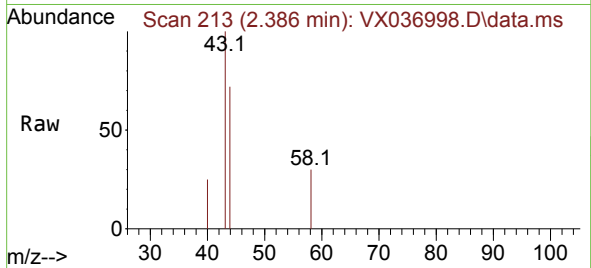




#16
Acetone
Concen: 1.135 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

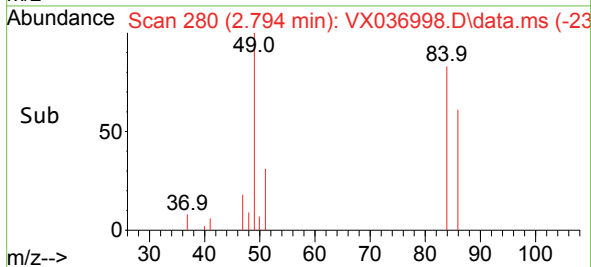
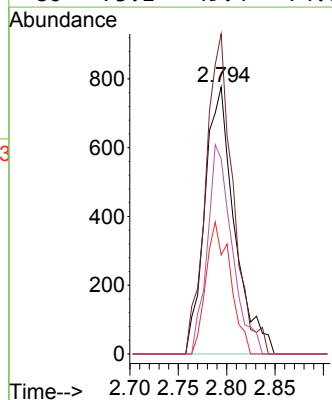
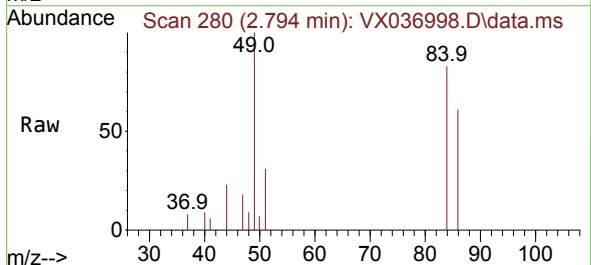
Instrument :
MSVOA_X
ClientSampleId :

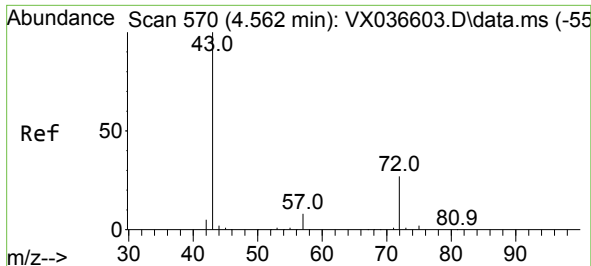
Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 29.9 21.9 32.9



#20
Methylene Chloride
Concen: 0.959 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

Tgt Ion: 84 Resp: 1655
Ion Ratio Lower Upper
84 100
49 119.8 103.6 155.4
51 37.1 33.8 50.6
86 73.1 49.4 74.0

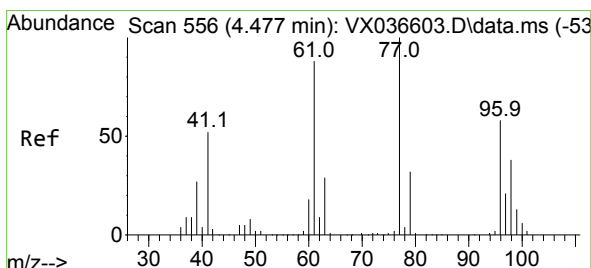
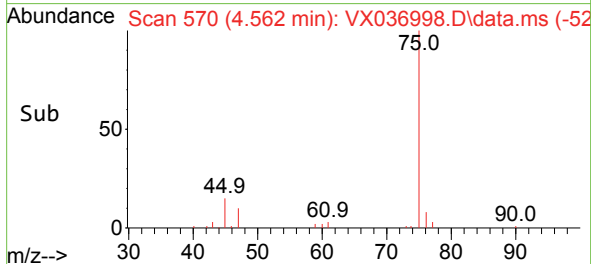
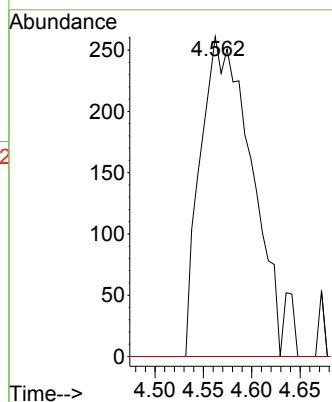
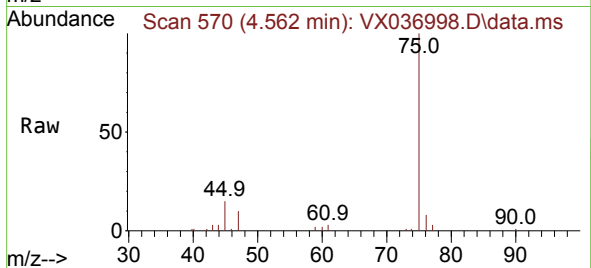




#25
2-Butanone
Concen: 0.750 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

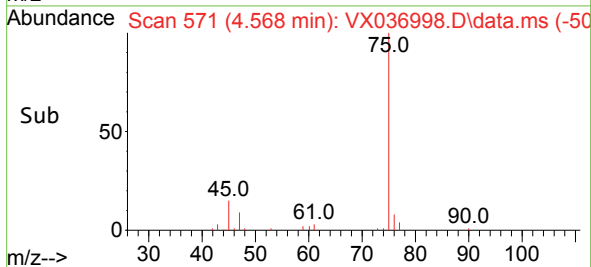
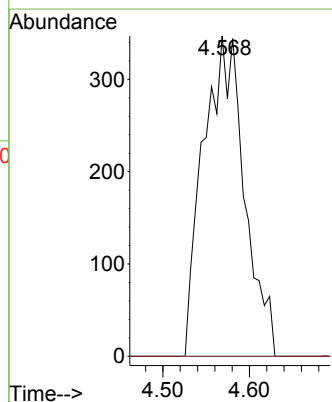
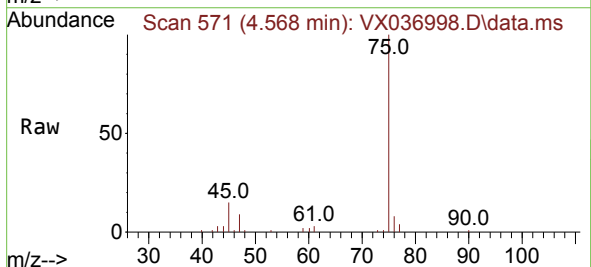
Instrument :
MSVOA_X
ClientSampleId :

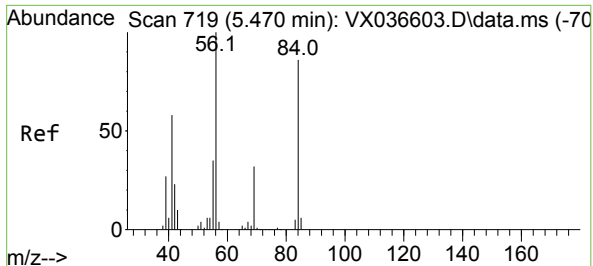
Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.409 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.092 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

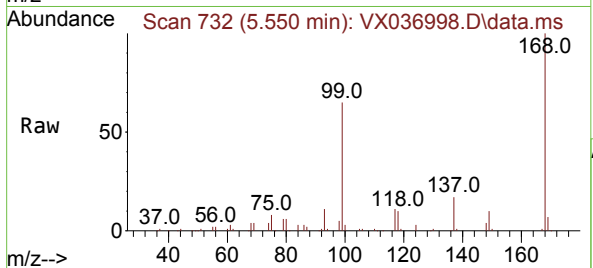
Tgt Ion: 77 Resp: 1144
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



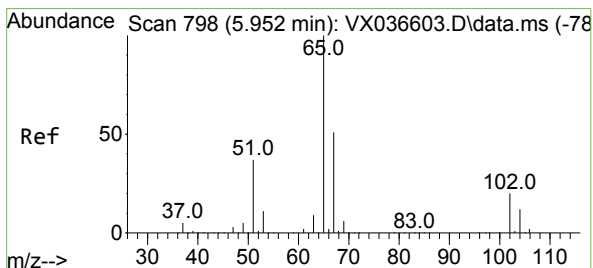
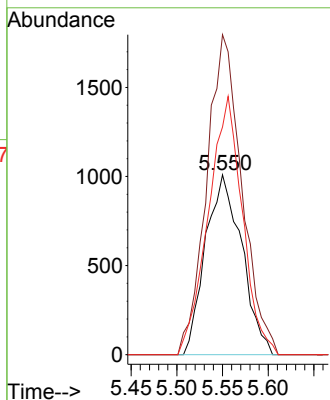
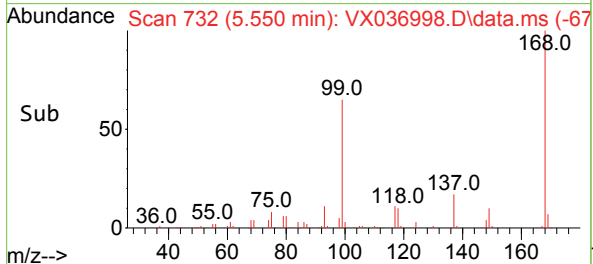


#31
Cyclohexane
Concen: 1.075 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

Instrument :
MSVOA_X
ClientSampleId :

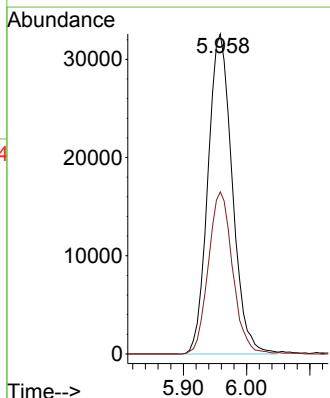
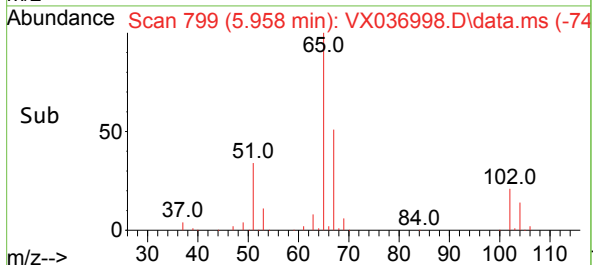
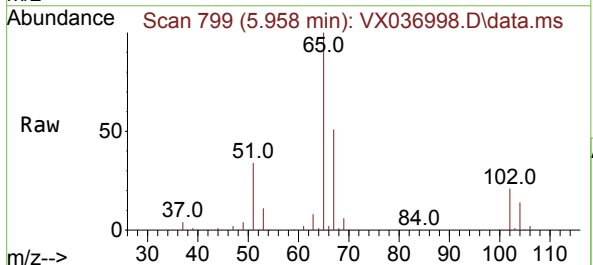


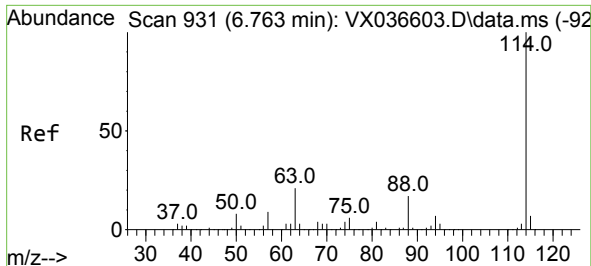
Tgt Ion: 56 Resp: 2785
Ion Ratio Lower Upper
56 100
69 178.0 23.4 35.2#
84 126.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.480 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

Tgt Ion: 65 Resp: 86937
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.2

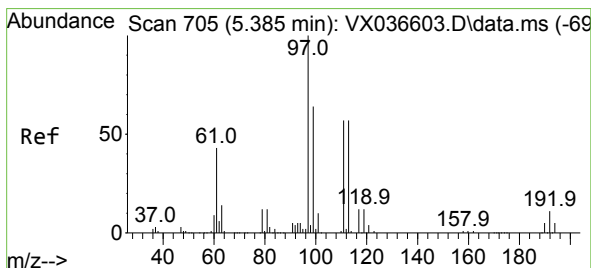
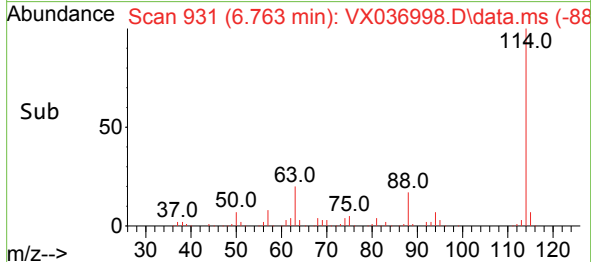
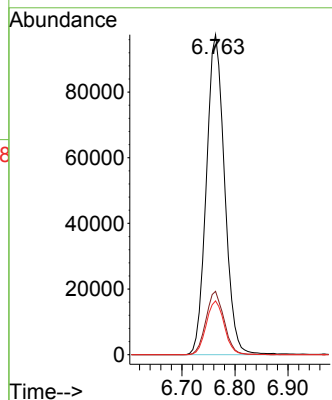
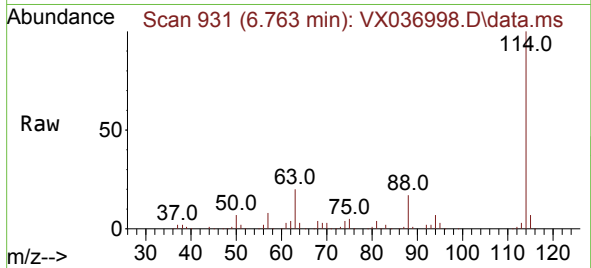




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

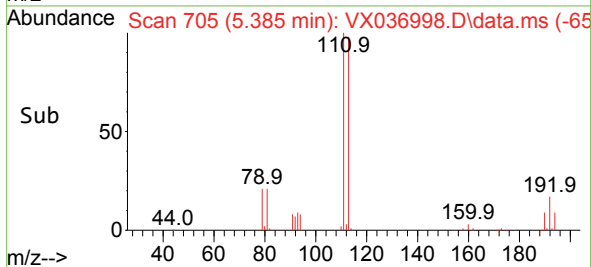
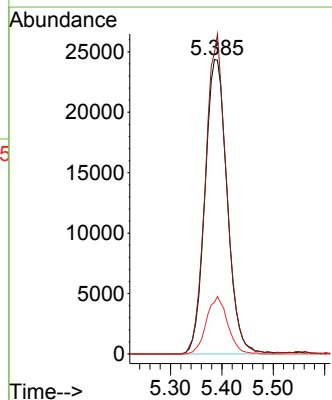
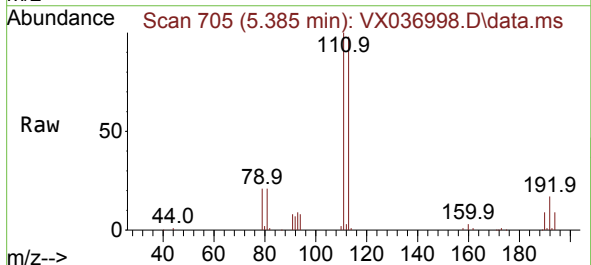
Instrument :
MSVOA_X
ClientSampleId :

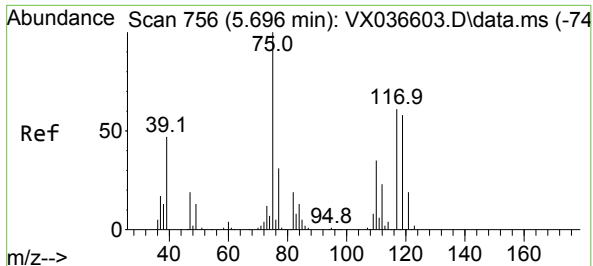
Tgt Ion:114 Resp: 232518
Ion Ratio Lower Upper
114 100
63 19.8 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.747 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

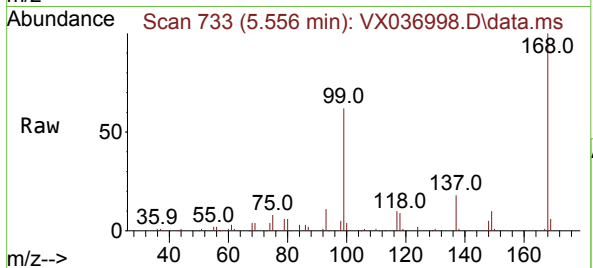
Tgt Ion:113 Resp: 73113
Ion Ratio Lower Upper
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111 103.3 82.9 124.3
192 18.6 13.3 19.9



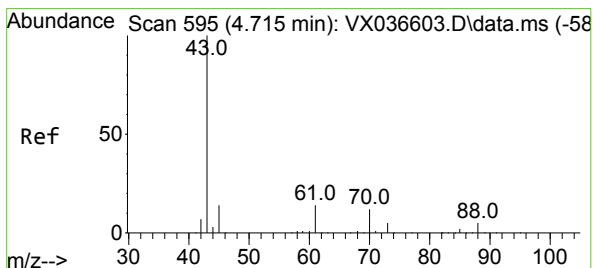
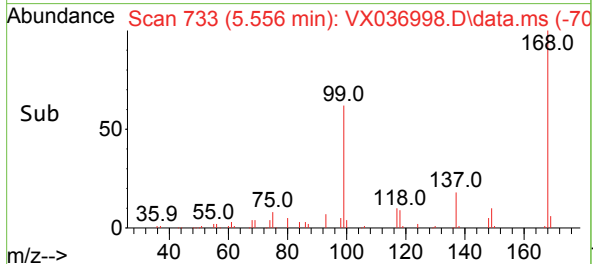
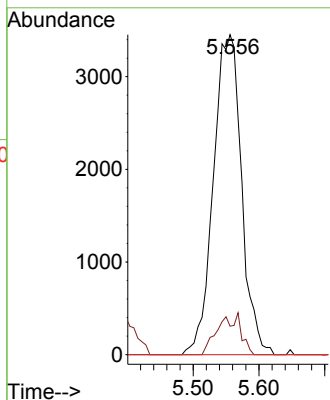


#36
1,1-Dichloropropene
Concen: 4.309 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

Instrument :
MSVOA_X
ClientSampleId :

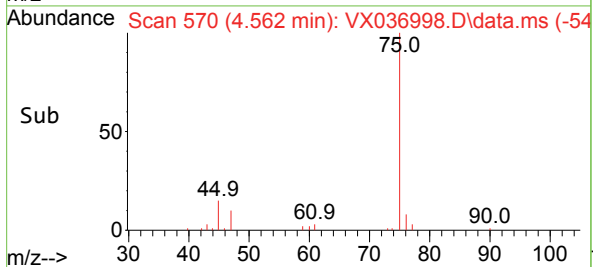
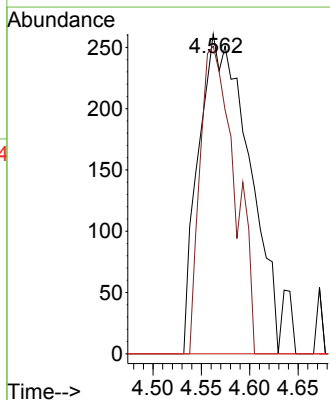
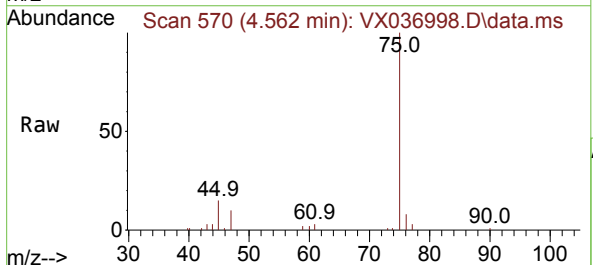


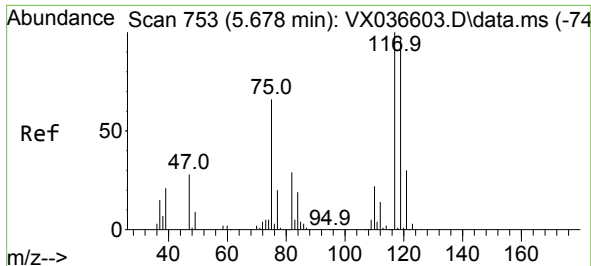
Tgt Ion: 75 Resp: 10264
Ion Ratio Lower Upper
75 100
110 10.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.350 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.152 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

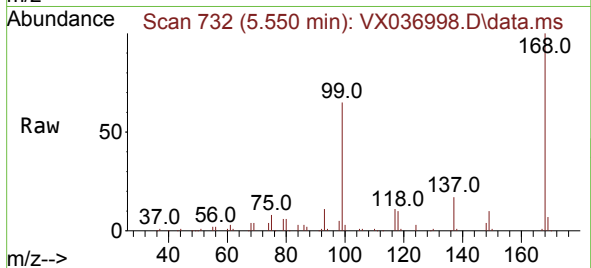
Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
61 66.2 10.6 16.0#
70 0.0 8.3 12.5#



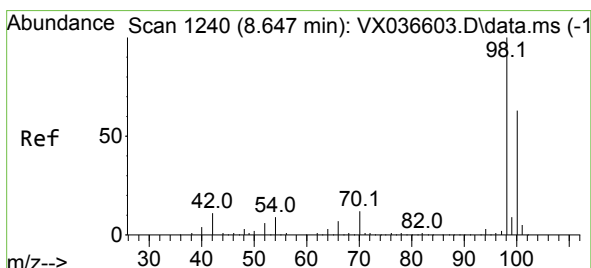
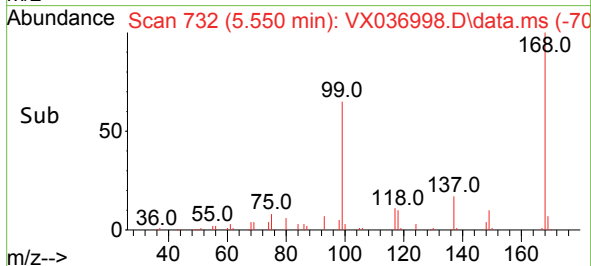
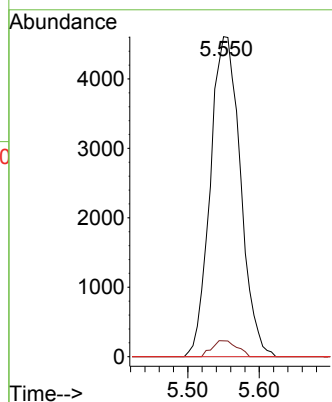


#38
Carbon Tetrachloride
Concen: 5.324 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

Instrument :
MSVOA_X
ClientSampleId :

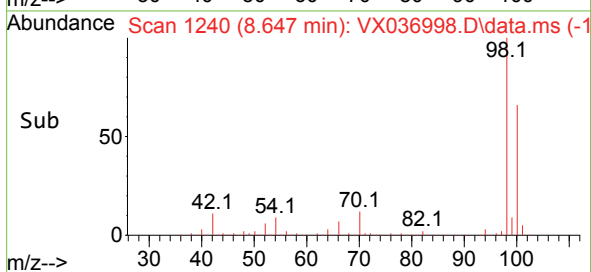
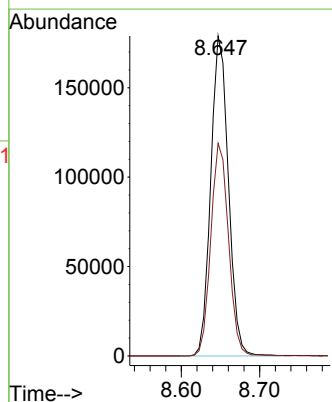
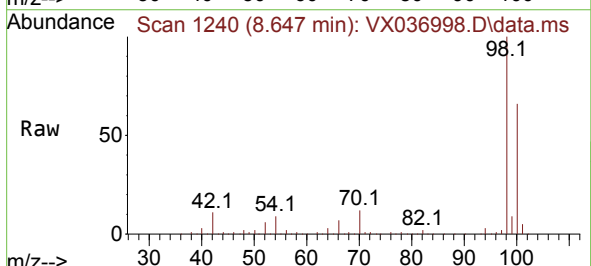


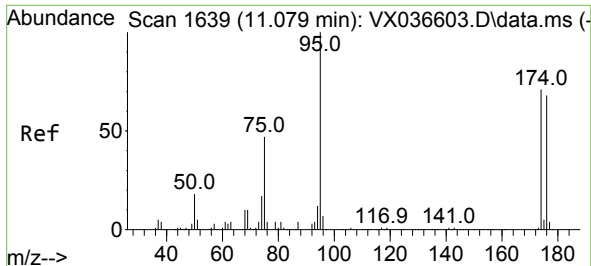
Tgt Ion:117 Resp: 13483
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.348 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

Tgt Ion: 98 Resp: 279684
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

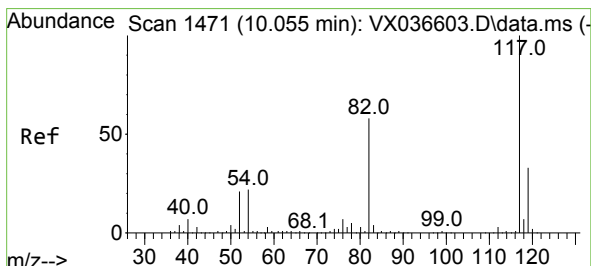
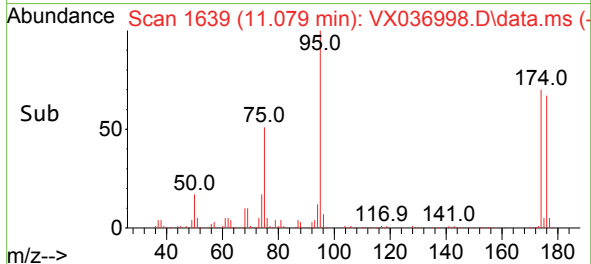
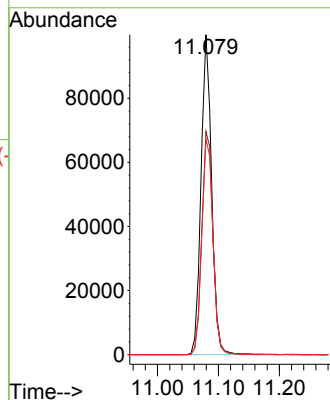
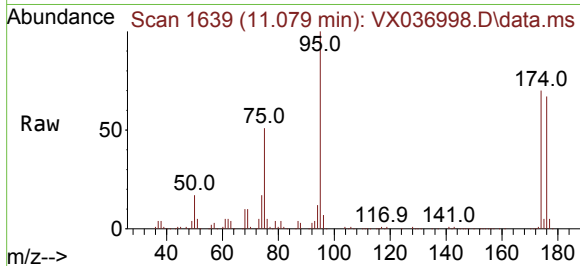




#62
4-Bromofluorobenzene
Concen: 56.373 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

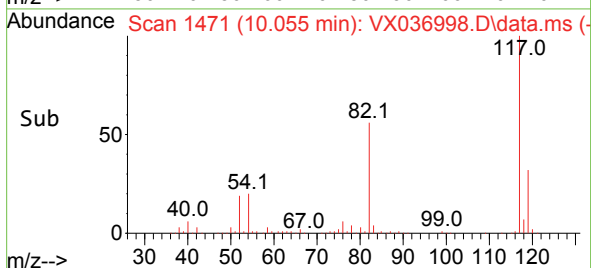
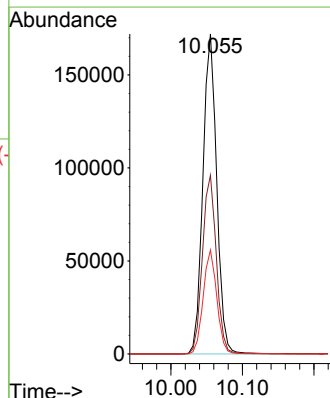
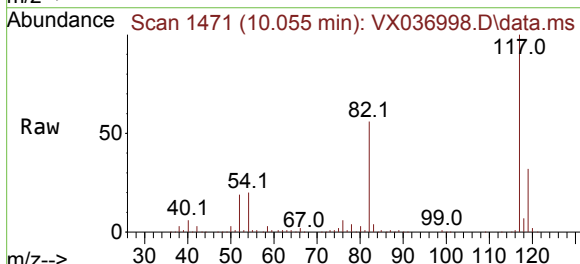
Instrument :
MSVOA_X
ClientSampleId :

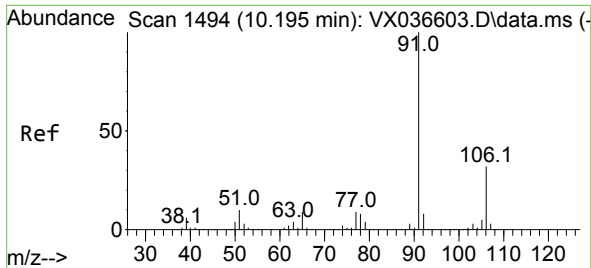
Tgt Ion: 95 Resp: 120542
Ion Ratio Lower Upper
95 100
174 73.1 0.0 135.6
176 70.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

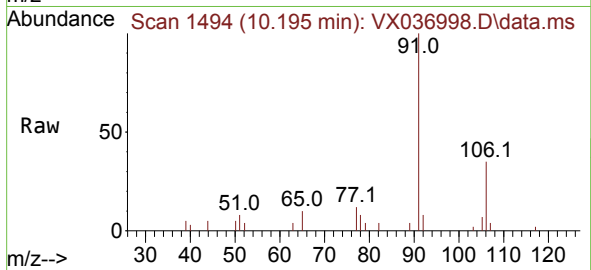
Tgt Ion: 117 Resp: 230725
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.5 25.5 38.3



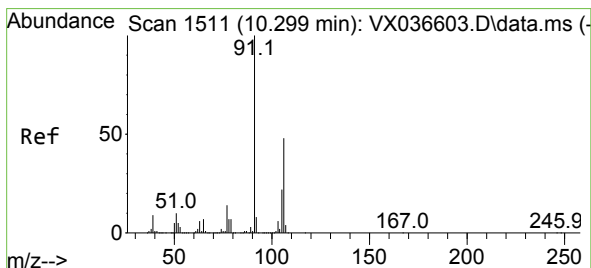
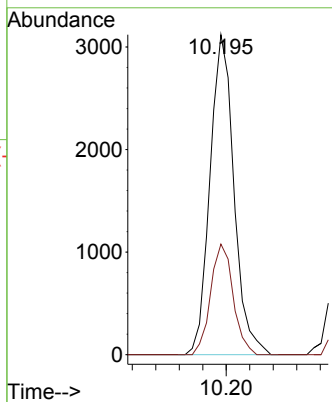
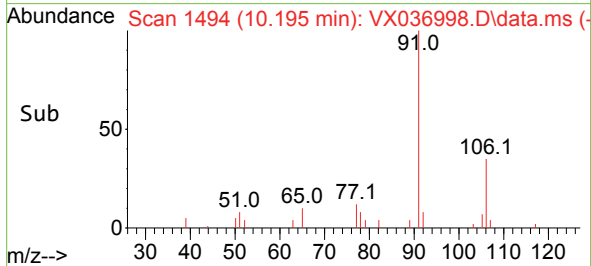


#67
Ethyl Benzene
Concen: 0.475 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

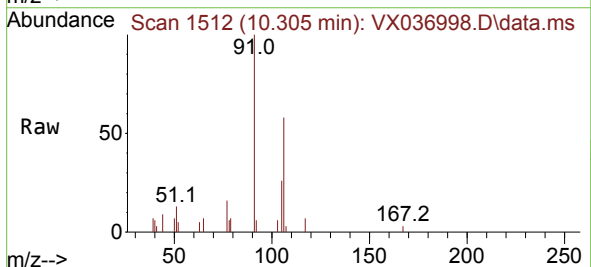
Instrument :
MSVOA_X
ClientSampleId :



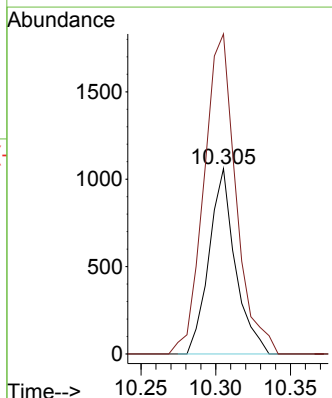
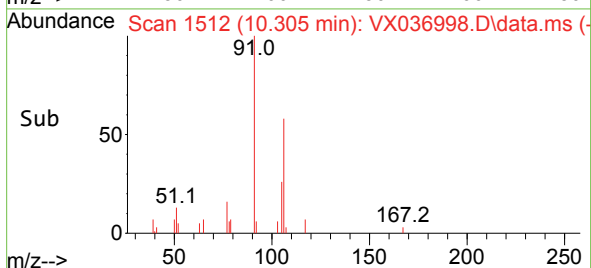
Tgt Ion: 91 Resp: 4414
Ion Ratio Lower Upper
91 100
106 34.6 24.9 37.3

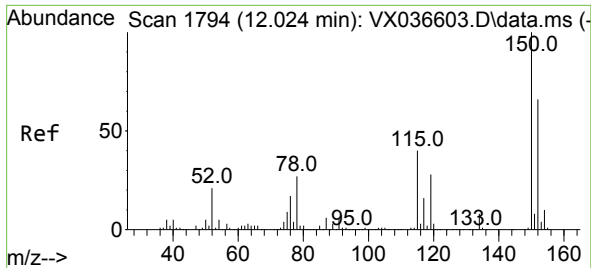


#68
m/p-Xylenes
Concen: 0.374 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20



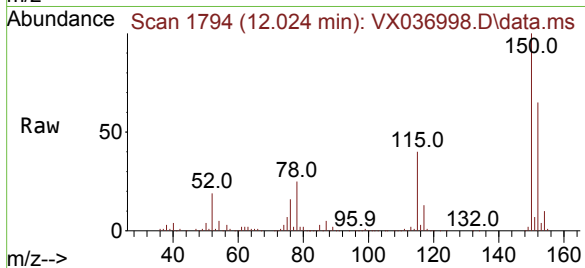
Tgt Ion: 106 Resp: 1296
Ion Ratio Lower Upper
106 100
91 210.0 165.5 248.3



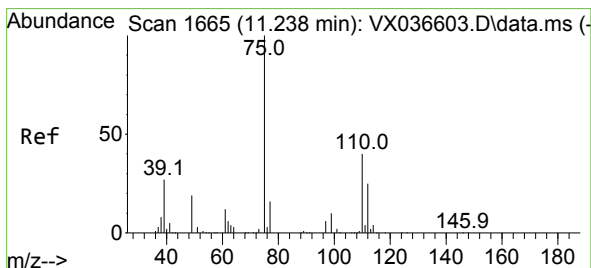
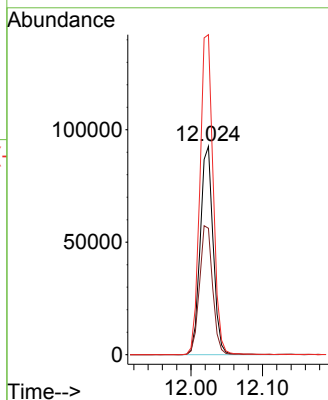
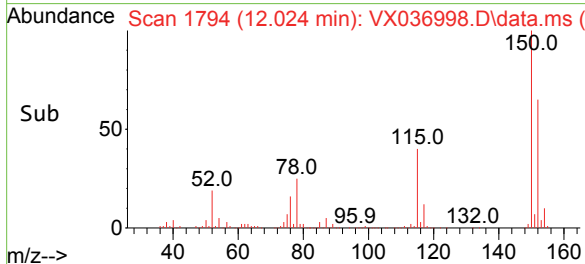


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036998.D
 Acq: 15 Aug 2023 19:20

Instrument :
 MSVOA_X
 ClientSampleId :

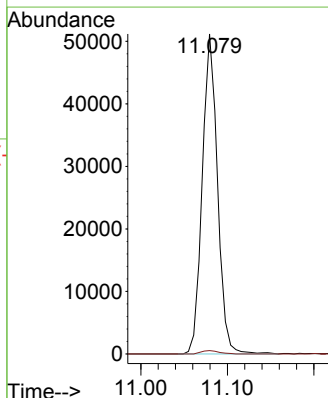
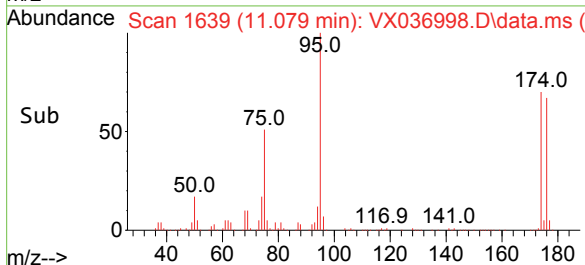
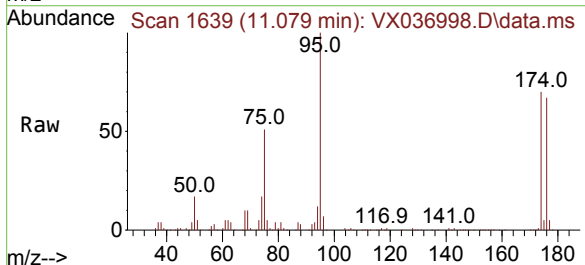


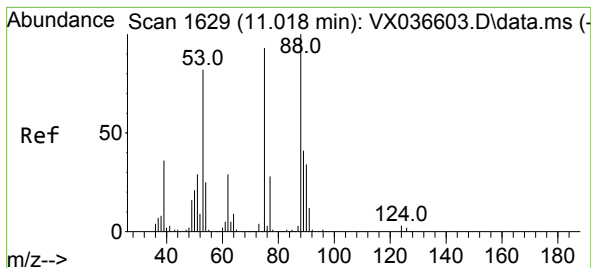
Tgt Ion:152 Resp: 116303
 Ion Ratio Lower Upper
 152 100
 115 62.8 43.3 129.9
 150 157.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.836 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX036998.D
 Acq: 15 Aug 2023 19:20

Tgt Ion: 75 Resp: 62470
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

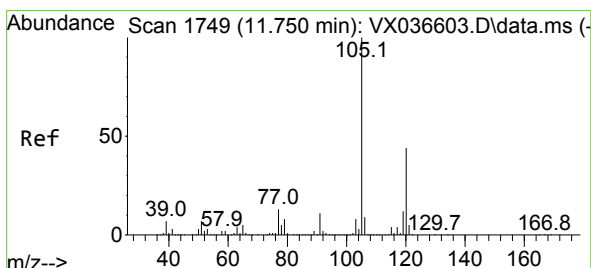
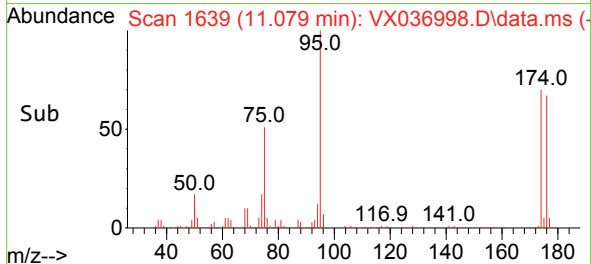
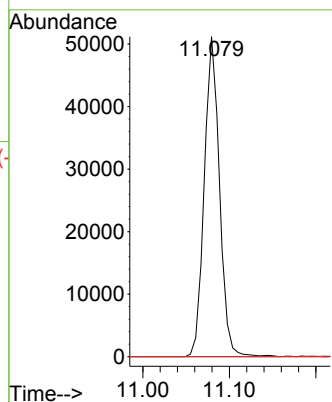
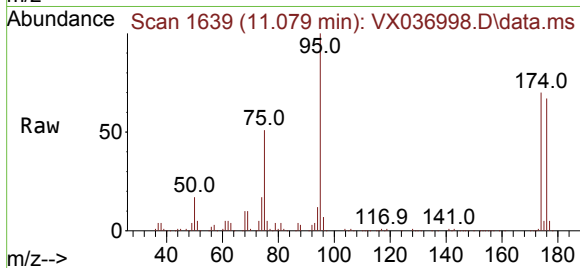




#81
trans-1,4-Dichloro-2-butene
Concen: 51.760 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

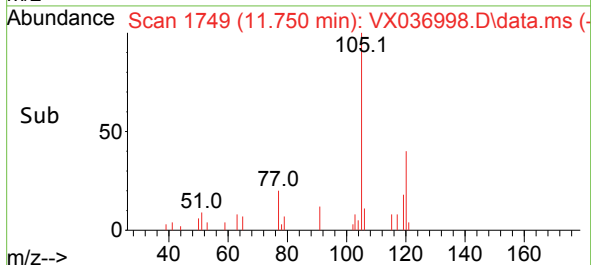
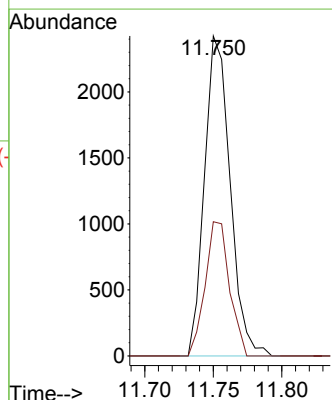
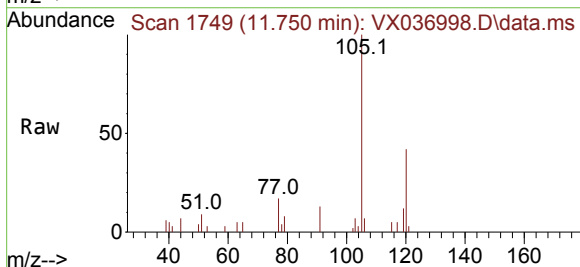
Instrument :
MSVOA_X
ClientSampleId :

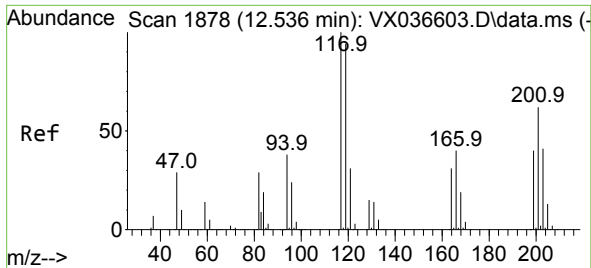
Tgt Ion: 75 Resp: 62470
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.392 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

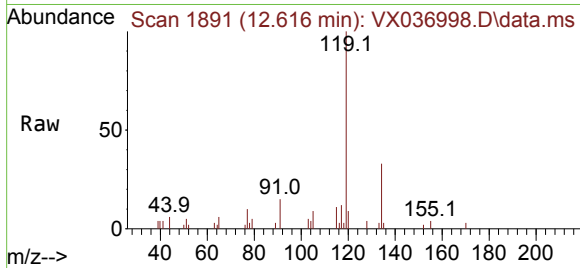
Tgt Ion: 105 Resp: 3154
Ion Ratio Lower Upper
105 100
120 39.8 21.2 63.6



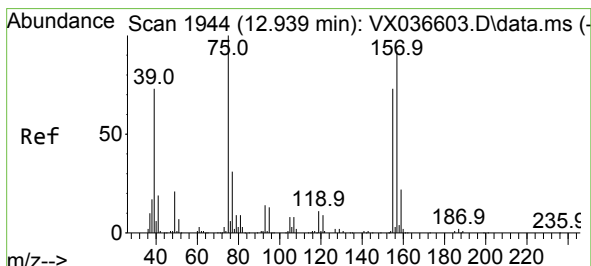
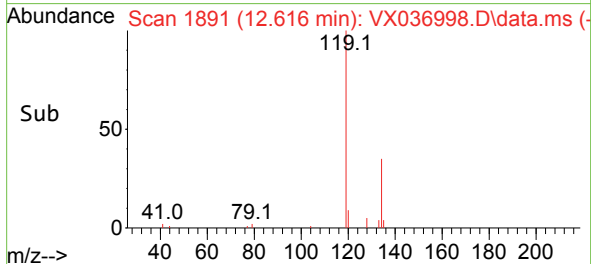
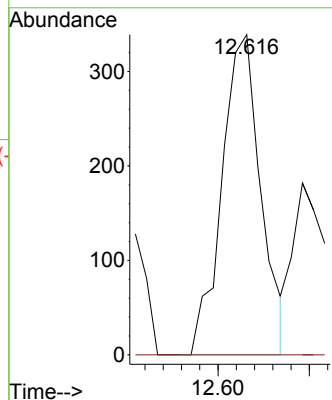


#90
Hexachloroethane
Concen: 0.305 ug/l
RT: 12.616 min Scan# 117
Delta R.T. 0.079 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

Instrument :
MSVOA_X
ClientSampleId :

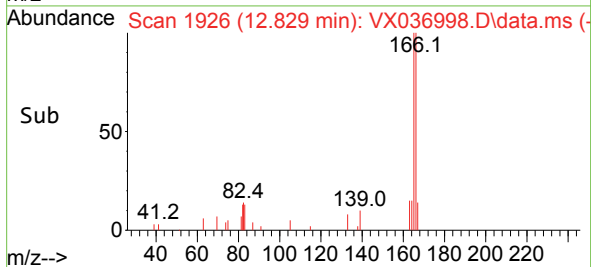
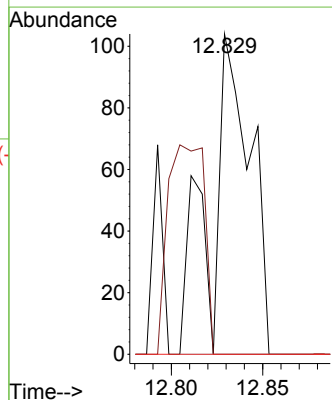
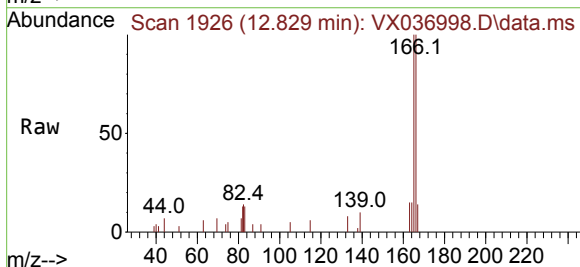


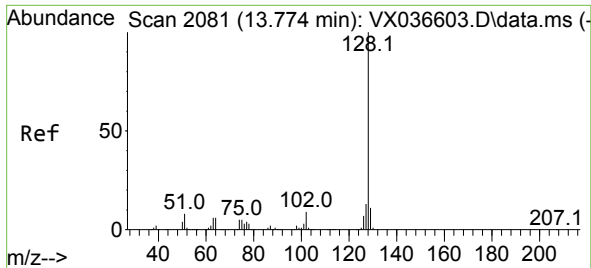
Tgt Ion:117 Resp: 502
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.209 ug/l
RT: 12.829 min Scan# 1926
Delta R.T. -0.110 min
Lab File: VX036998.D
Acq: 15 Aug 2023 19:20

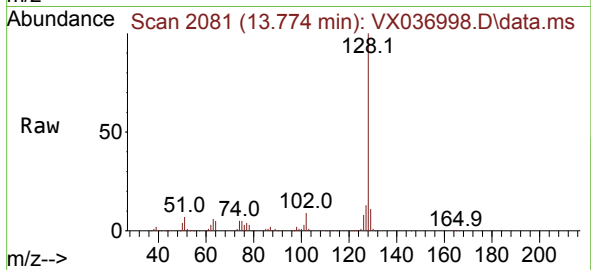
Tgt Ion: 75 Resp: 158
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#





#95
 Naphthalene
 Concen: 17.482 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. 0.000 min
 Lab File: VX036998.D
 Acq: 15 Aug 2023 19:20

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:128 Resp: 147040
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.3 15.5
 129 11.4 8.8 13.2

