

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037336.D
 Acq On : 29 Aug 2023 12:50
 Operator : JC/MD
 Sample : 04207-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 30 02:05:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

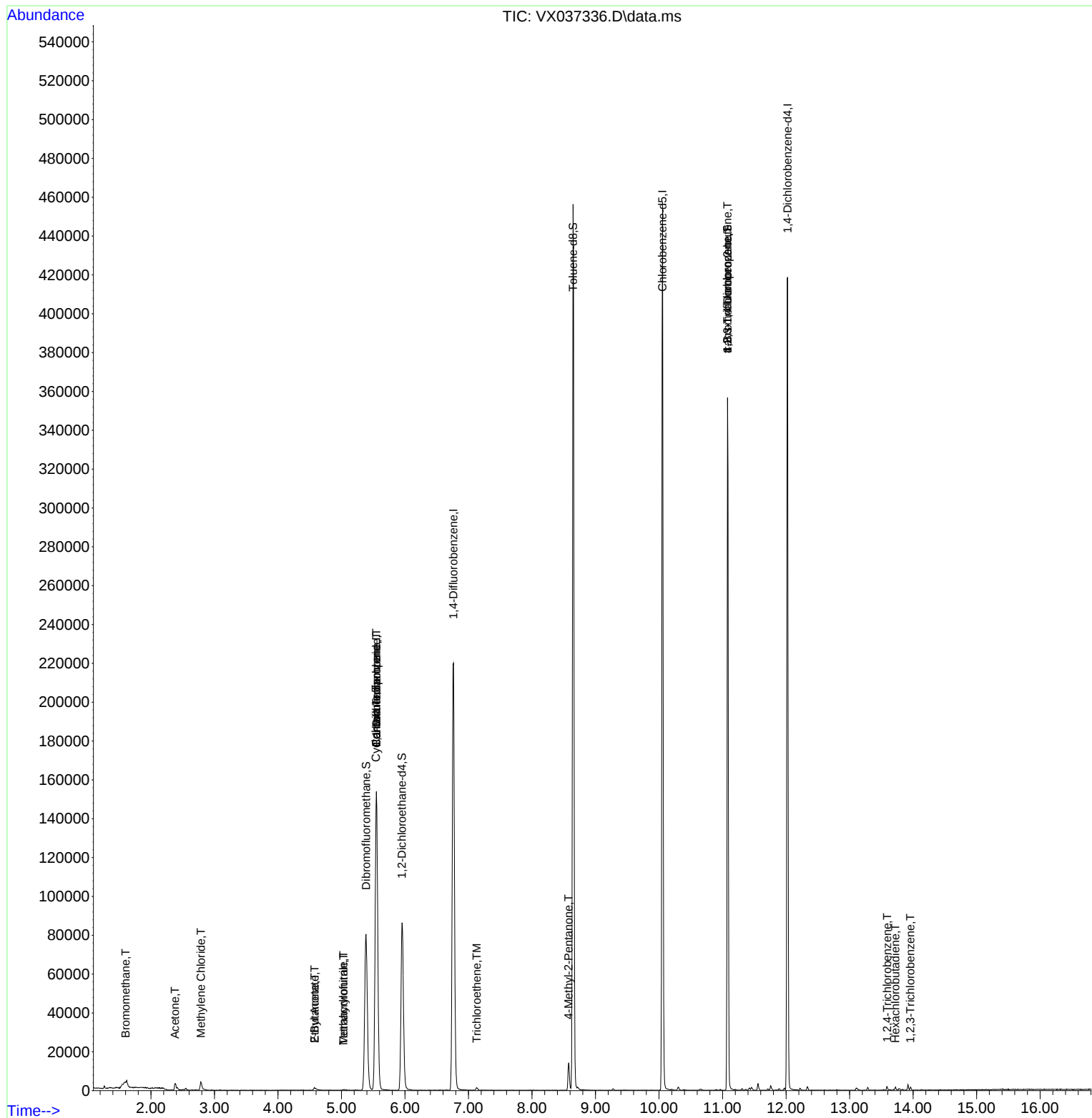
Internal Standards						
1) Pentafluorobenzene	5.550	168	144728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	237792	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88335	42.336	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.680%
35) Dibromofluoromethane	5.385	113	72894	46.287	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.580%
50) Toluene-d8	8.647	98	277229	48.530	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.060%
62) 4-Bromofluorobenzene	11.079	95	98903	44.056	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.120%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	170	0.213	ug/l #	3
16) Acetone	2.380	43	4102	5.025	ug/l #	88
20) Methylene Chloride	2.788	84	2684	1.470	ug/l #	83
25) 2-Butanone	4.574	43	2583	2.102	ug/l	91
29) Tetrahydrofuran	5.032	42	225	0.287	ug/l #	63
31) Cyclohexane	5.544	56	3061	1.305	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11141	4.979	ug/l #	51
37) Ethyl Acetate	4.574	43	2583	1.130	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15117	6.220	ug/l #	16
41) Methacrylonitrile	5.032	41	247	0.208	ug/l #	25
44) Trichloroethene	7.129	130	575	0.316	ug/l	56
51) 4-Methyl-2-Pentanone	8.574	43	8630	3.917	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	49909	25.452	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49909	71.089	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	576	0.329	ug/l	90
94) Hexachlorobutadiene	13.719	225	267	0.394	ug/l	91
96) 1,2,3-Trichlorobenzene	13.957	180	589	0.338	ug/l	83

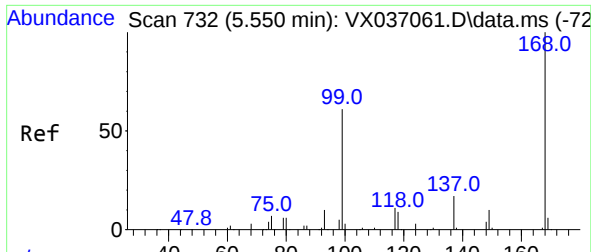
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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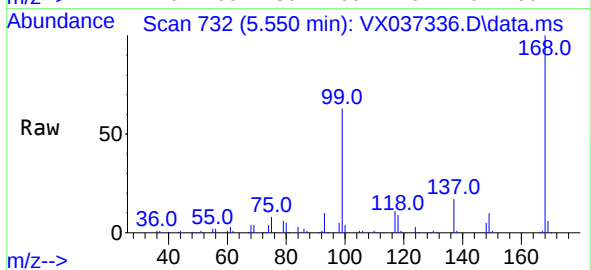
Quant Time: Aug 30 02:05:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



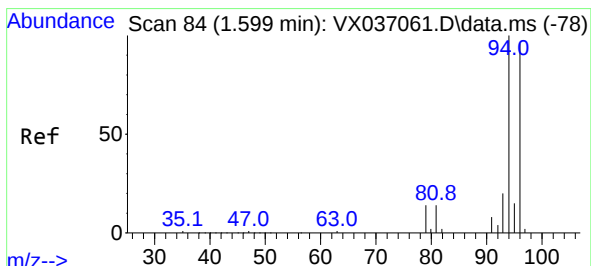
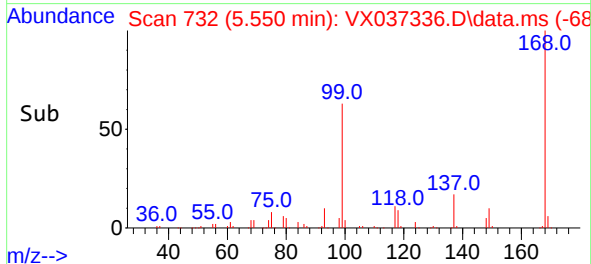
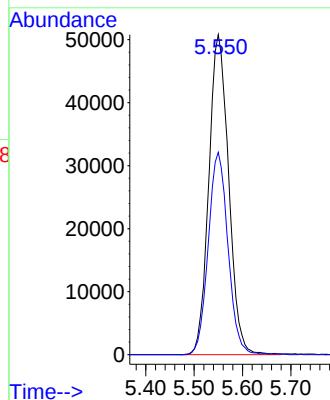


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Instrument :
MSVOA_X
ClientSampleId :

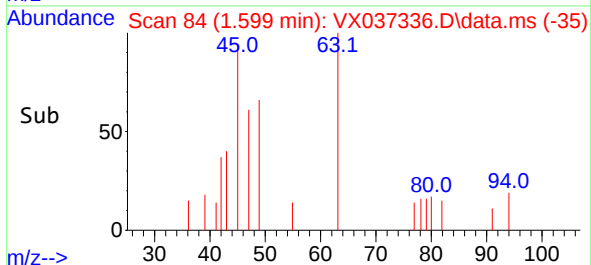
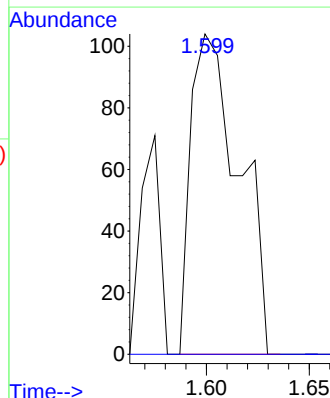
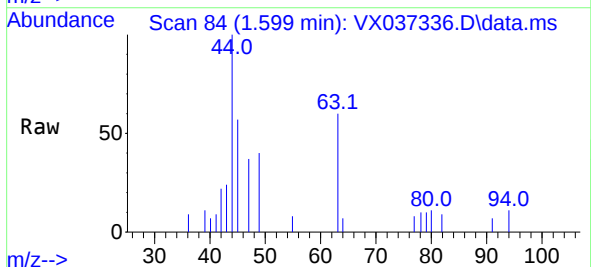


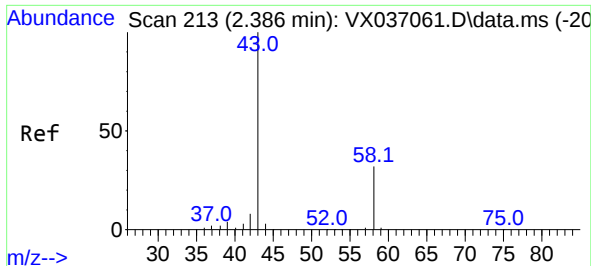
Tgt Ion:168 Resp: 144728
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0



#5
Bromomethane
Concen: 0.213 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

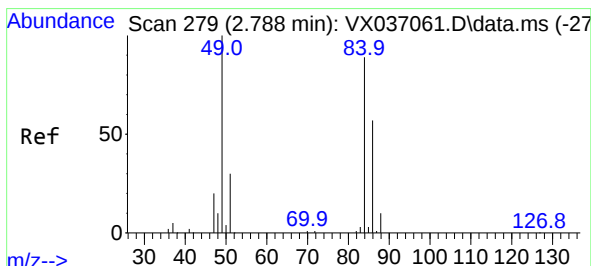
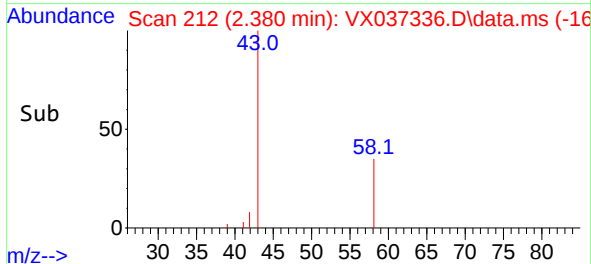
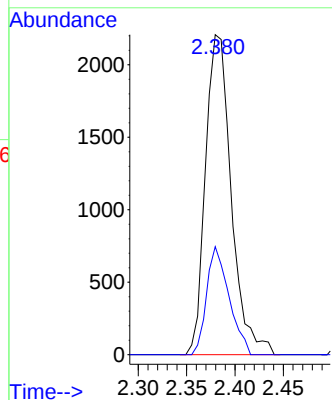
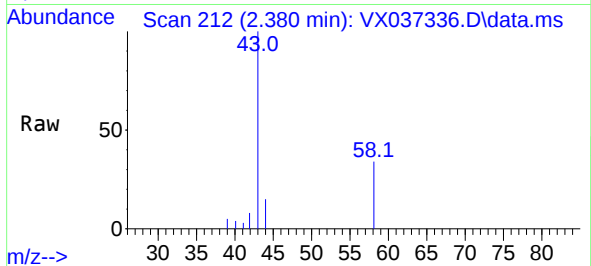




#16
Acetone
Concen: 5.025 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

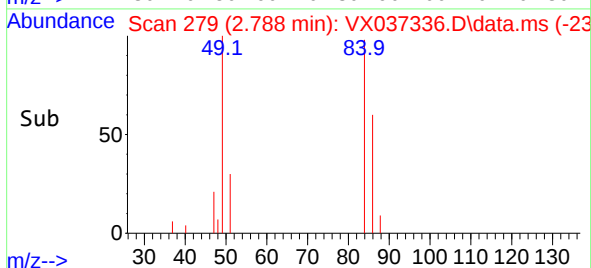
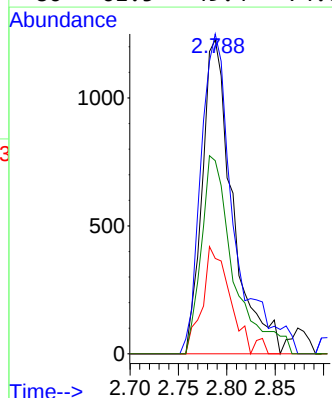
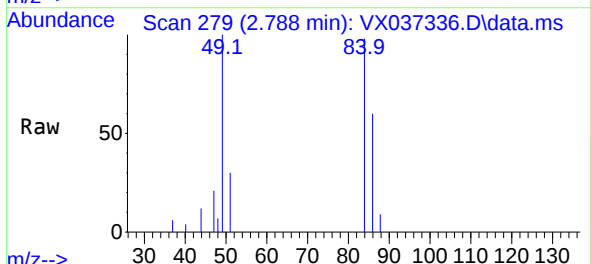
Instrument :
MSVOA_X
ClientSampleId :

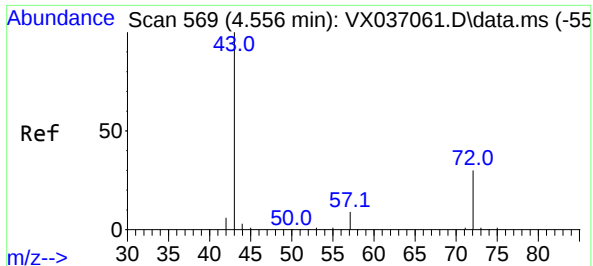
Tgt Ion: 43 Resp: 4102
Ion Ratio Lower Upper
43 100
58 33.7 21.9 32.9#



#20
Methylene Chloride
Concen: 1.470 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Tgt Ion: 84 Resp: 2684
Ion Ratio Lower Upper
84 100
49 101.9 103.6 155.4#
51 30.4 33.8 50.6#
86 61.5 49.4 74.0

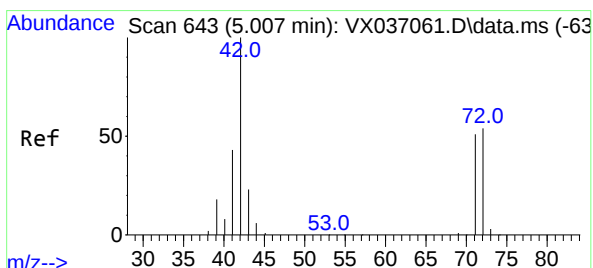
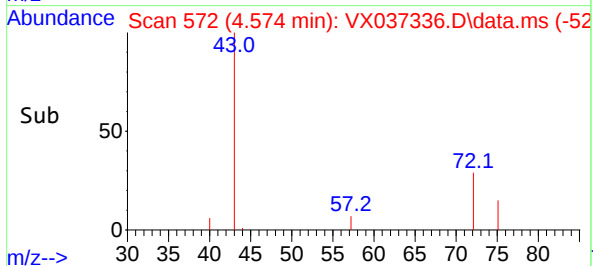
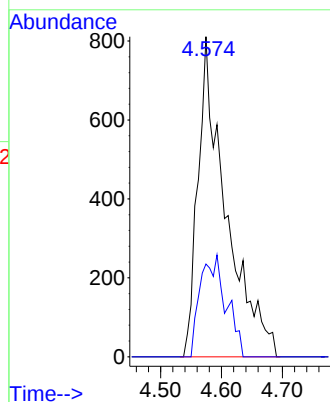
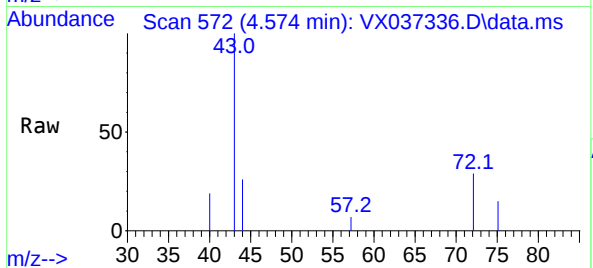




#25
2-Butanone
Concen: 2.102 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

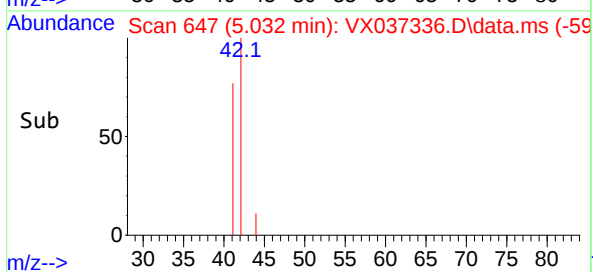
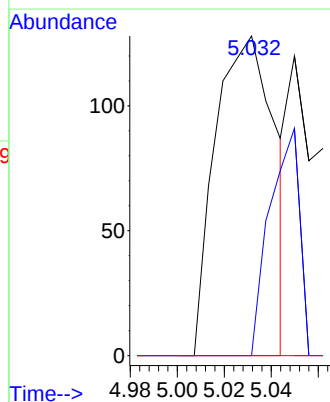
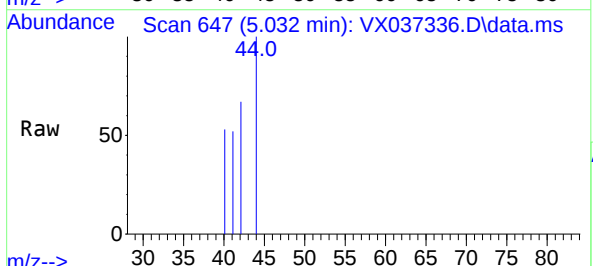
Instrument :
MSVOA_X
ClientSampleId :

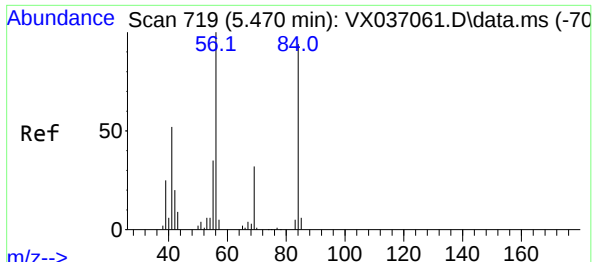
Tgt Ion: 43 Resp: 2583
Ion Ratio Lower Upper
43 100
72 29.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.287 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

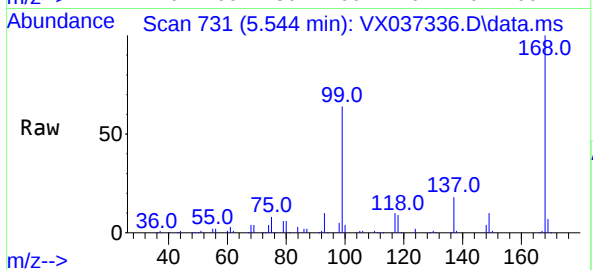
Tgt Ion: 42 Resp: 225
Ion Ratio Lower Upper
42 100
72 35.6 34.2 51.4
71 0.0 32.2 48.2#



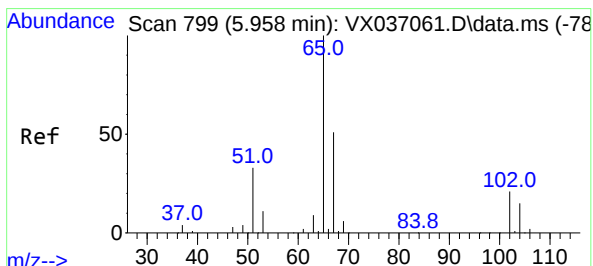
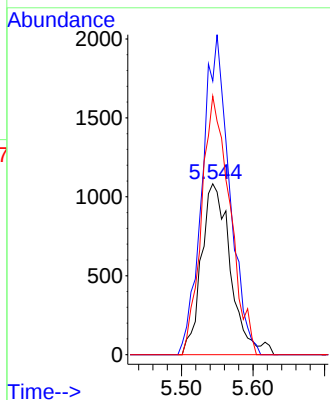
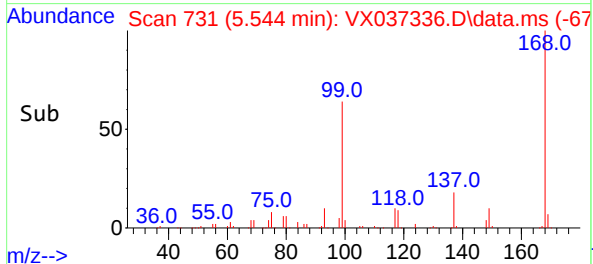


#31
Cyclohexane
Concen: 1.305 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Instrument :
MSVOA_X
ClientSampleId :

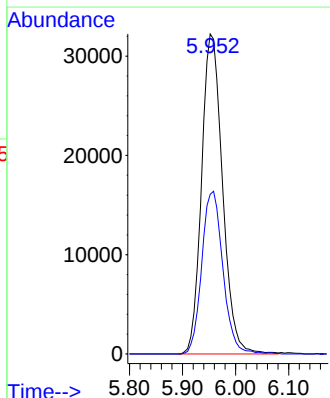
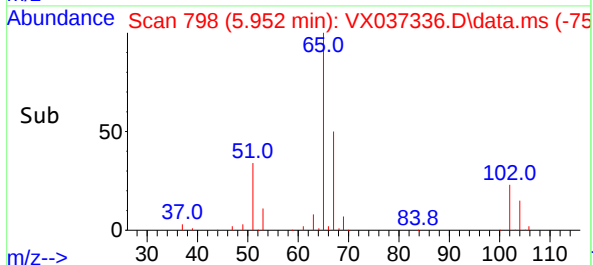
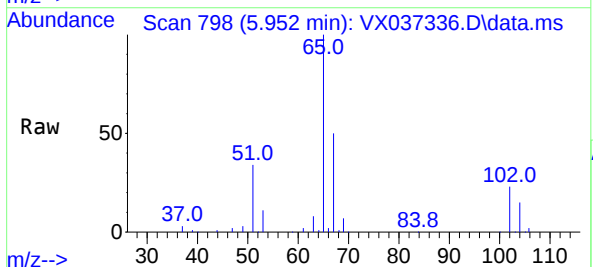


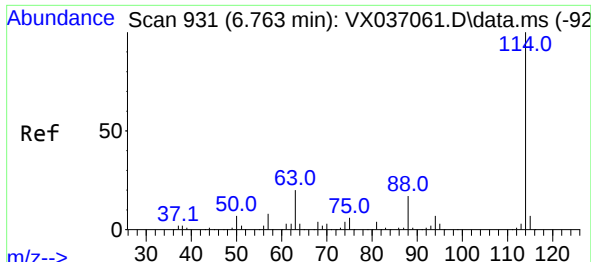
Tgt Ion: 56 Resp: 3061
Ion Ratio Lower Upper
56 100
69 160.2 23.4 35.2#
84 151.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.336 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Tgt Ion: 65 Resp: 88335
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2

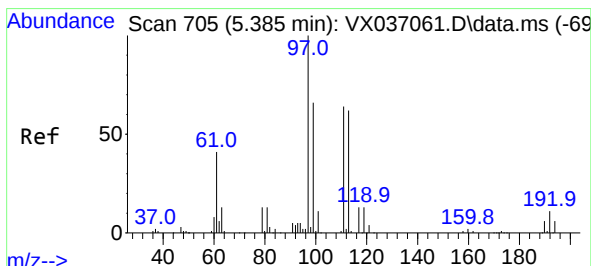
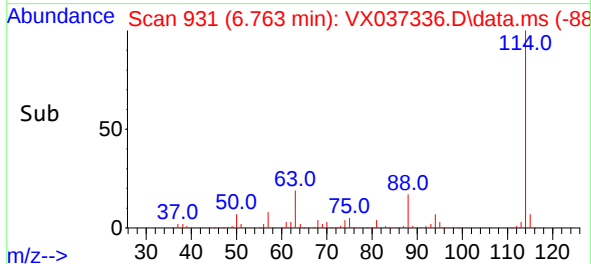
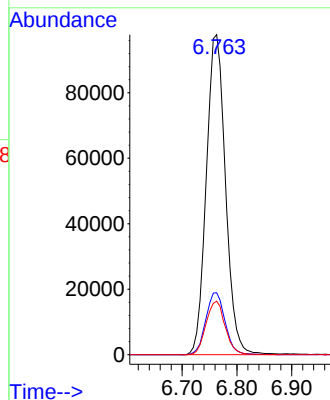
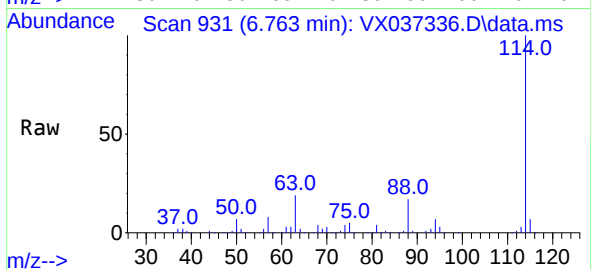




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

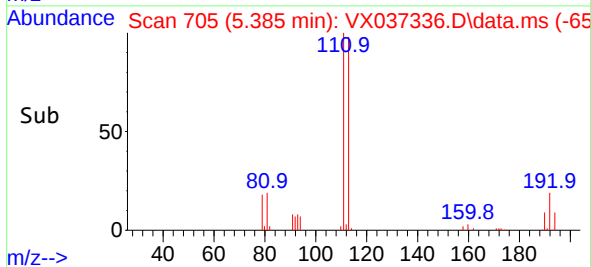
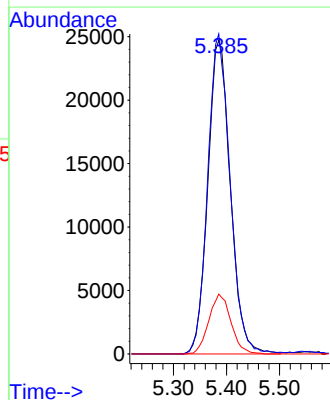
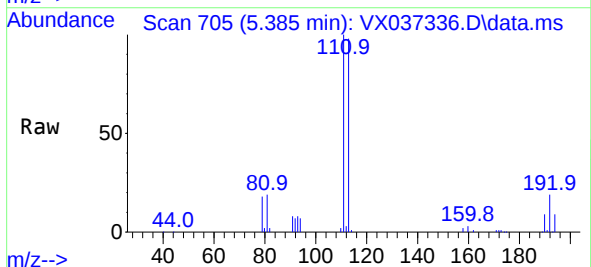
Instrument :
MSVOA_X
ClientSampleId :

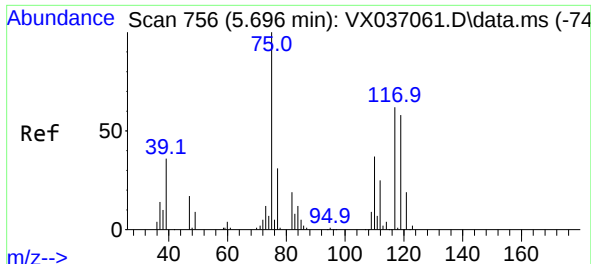
Tgt Ion:114 Resp: 237792
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.287 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

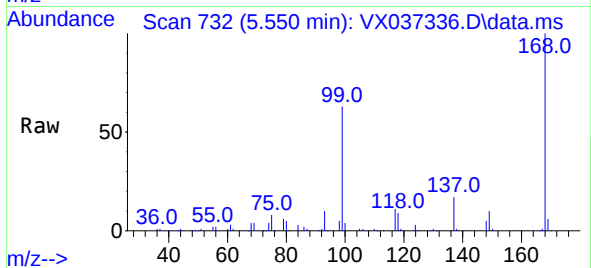
Tgt Ion:113 Resp: 72894
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 18.7 13.3 19.9



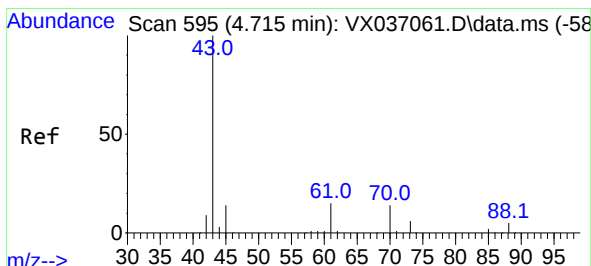
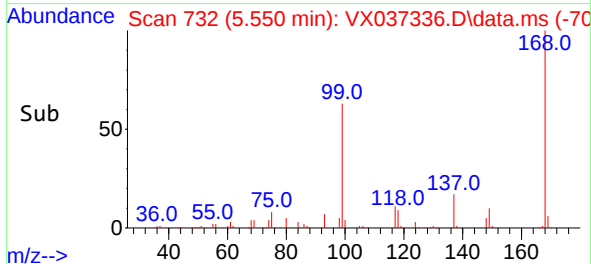
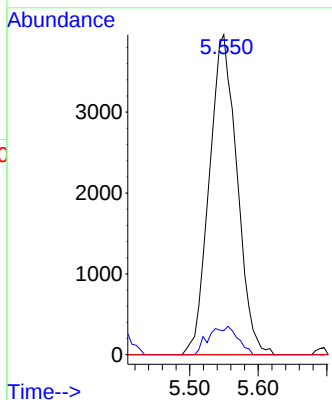


#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Instrument :
MSVOA_X
ClientSampleId :

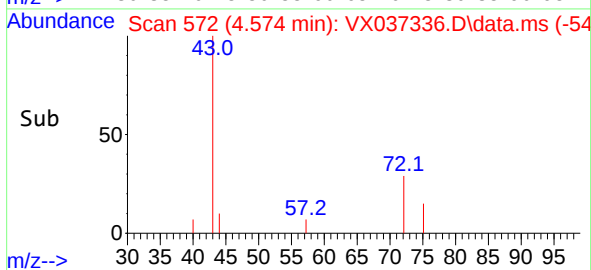
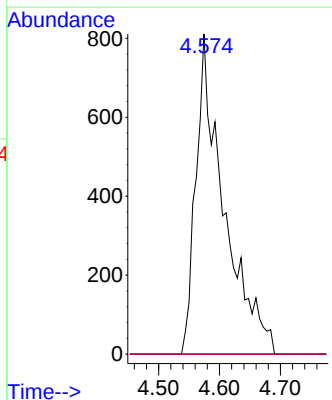
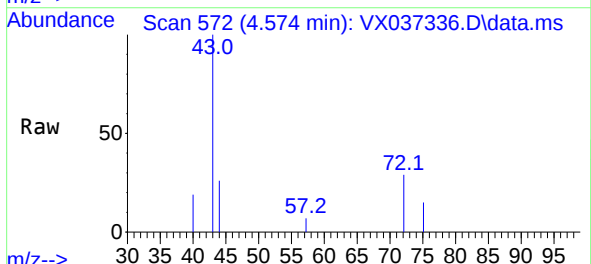


Tgt Ion: 75 Resp: 11141
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#

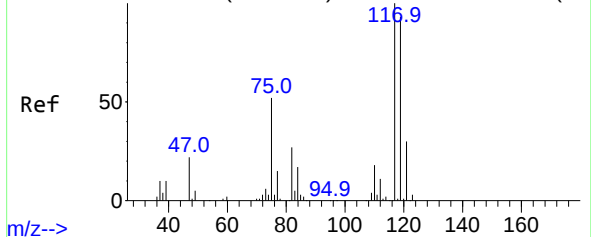


#37
Ethyl Acetate
Concen: 1.130 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

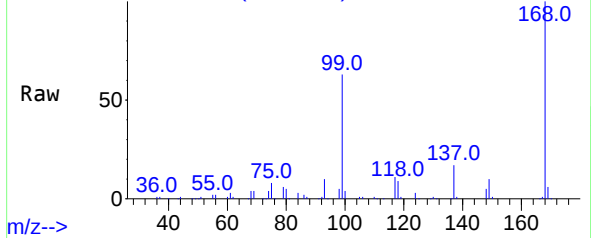
Tgt Ion: 43 Resp: 2583
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



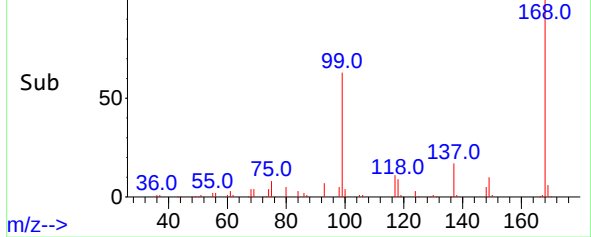
Abundance Scan 752 (5.672 min): VX037061.D\data.ms (-74



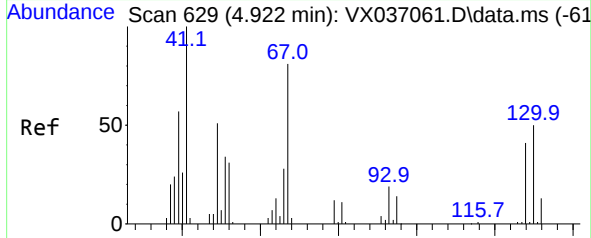
m/z--> Abundance Scan 732 (5.550 min): VX037336.D\data.ms



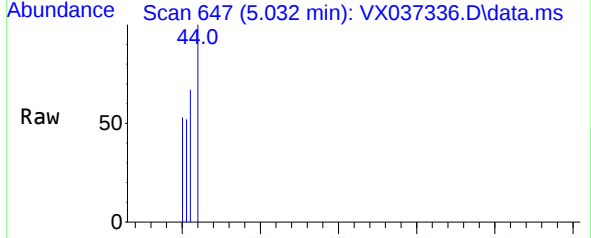
m/z--> Abundance Scan 732 (5.550 min): VX037336.D\data.ms (-70



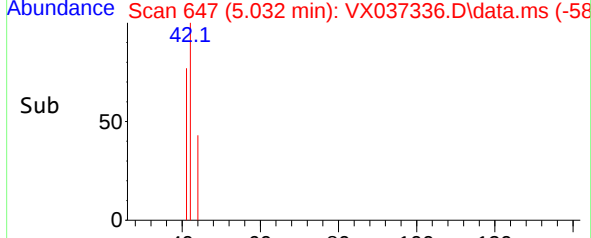
m/z--> Abundance Scan 629 (4.922 min): VX037061.D\data.ms (-61



m/z--> Abundance Scan 647 (5.032 min): VX037336.D\data.ms



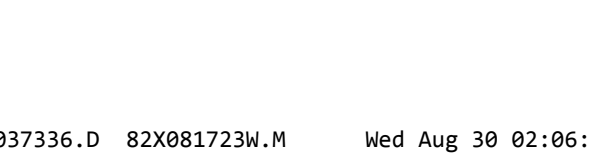
m/z--> Abundance Scan 647 (5.032 min): VX037336.D\data.ms (-58



m/z--> Abundance Scan 647 (5.032 min): VX037336.D\data.ms (-58

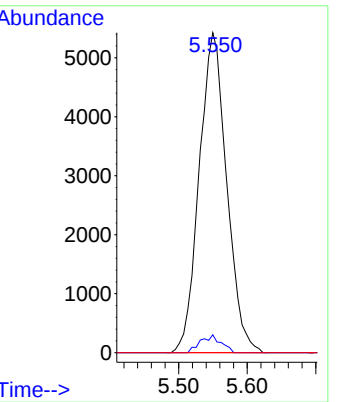


m/z--> Abundance Scan 647 (5.032 min): VX037336.D\data.ms (-58



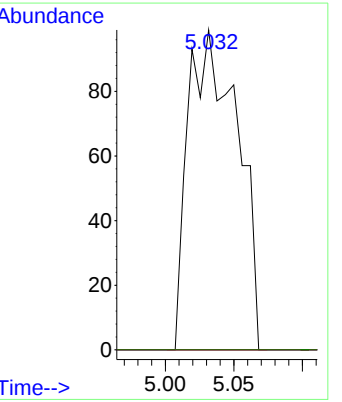
#38
Carbon Tetrachloride
Concen: 6.220 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

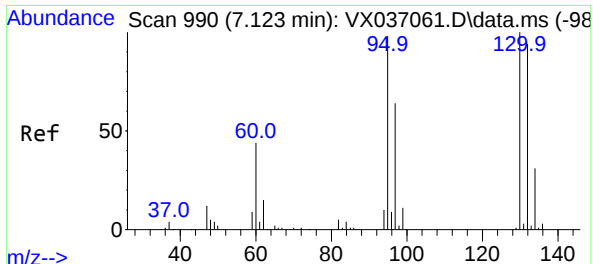
Tgt Ion:117 Resp: 15117
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Tgt Ion: 41 Resp: 247
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

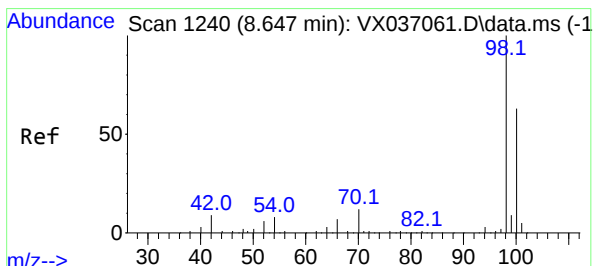
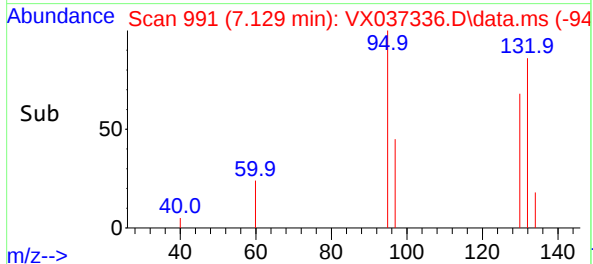
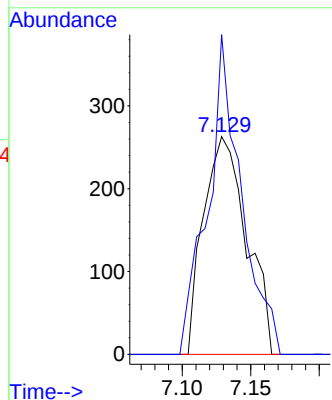
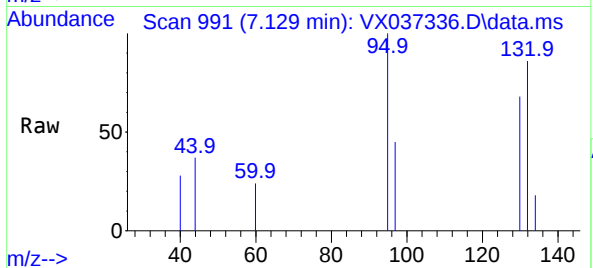




#44
Trichloroethene
Concen: 0.316 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

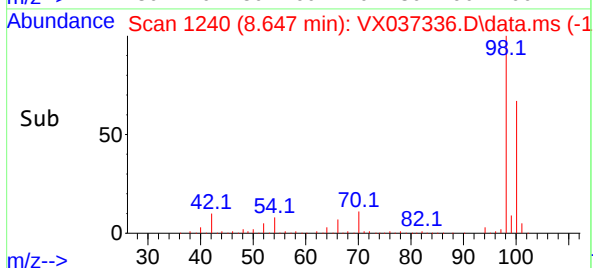
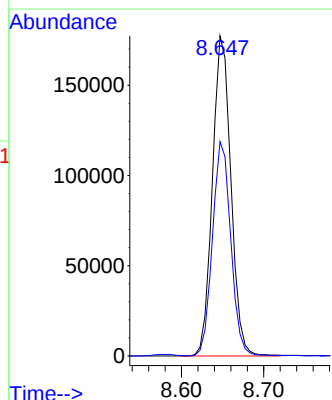
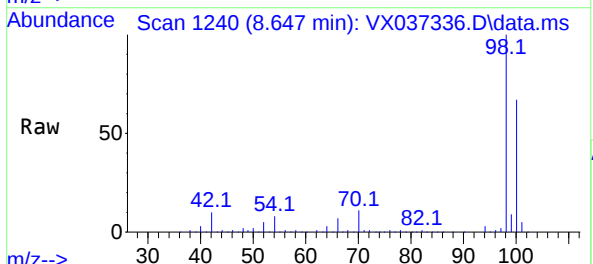
Instrument :
MSVOA_X
ClientSampleId :

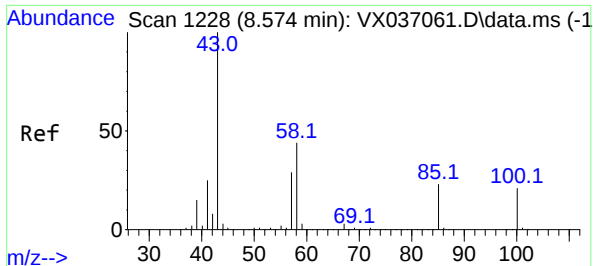
Tgt Ion:130 Resp: 575
Ion Ratio Lower Upper
130 100
95 146.8 0.0 204.4



#50
Toluene-d8
Concen: 48.530 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Tgt Ion: 98 Resp: 277229
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

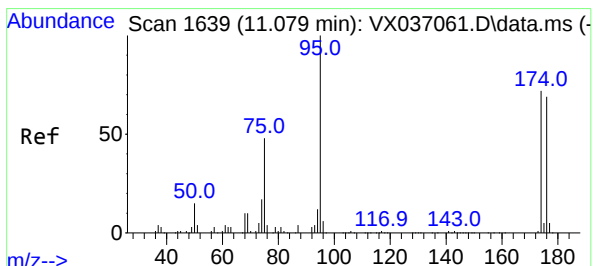
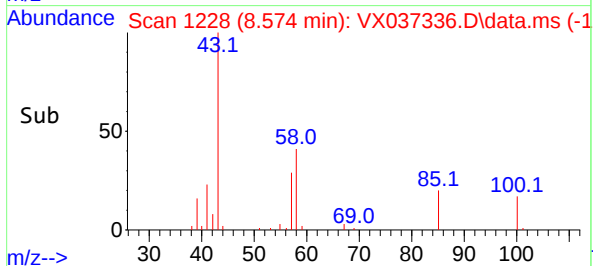
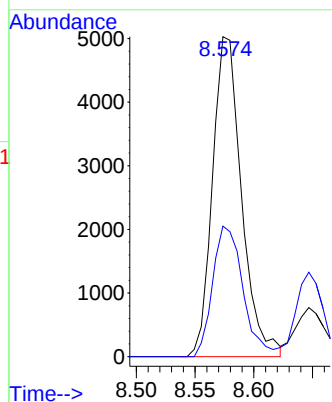
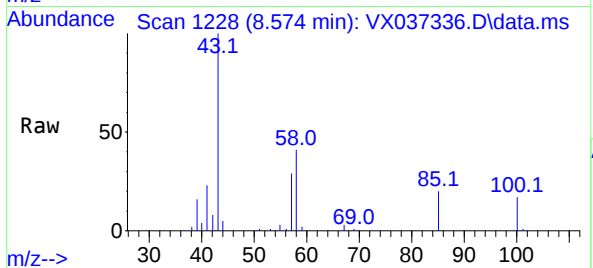




#51
4-Methyl-2-Pentanone
Concen: 3.917 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

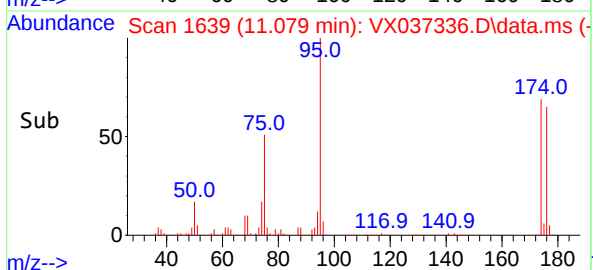
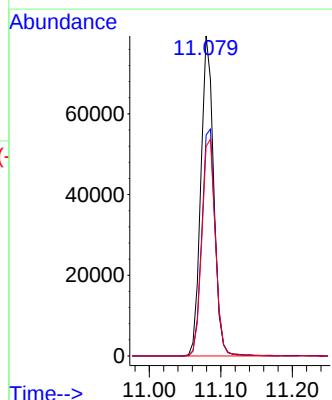
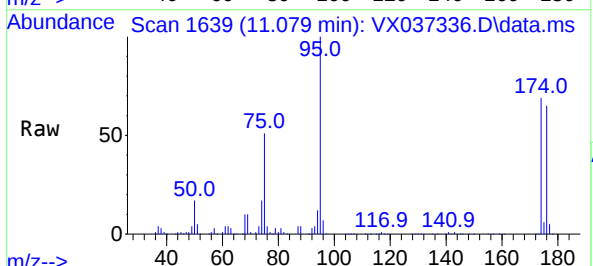
Instrument :
MSVOA_X
ClientSampleId :

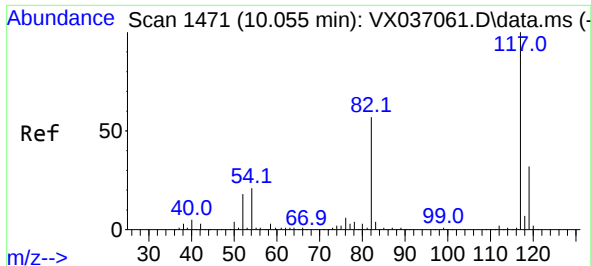
Tgt Ion: 43 Resp: 8630
Ion Ratio Lower Upper
43 100
58 42.4 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 44.056 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

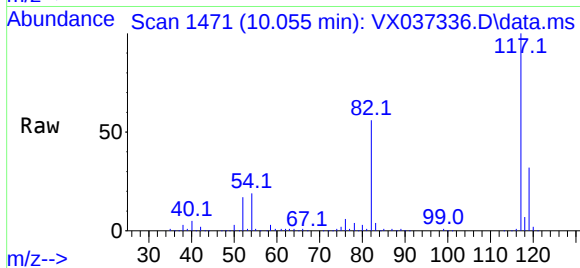
Tgt Ion: 95 Resp: 98903
Ion Ratio Lower Upper
95 100
174 74.3 0.0 135.6
176 71.3 0.0 131.0



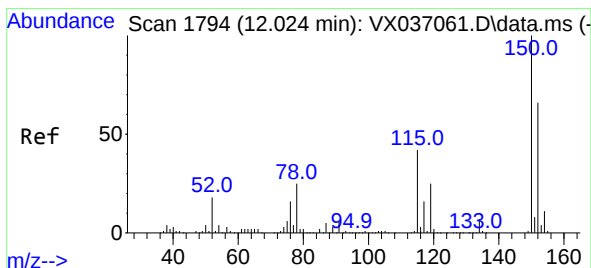
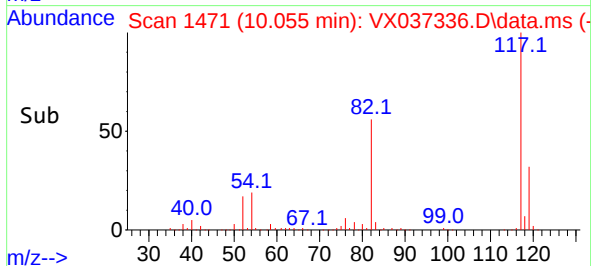
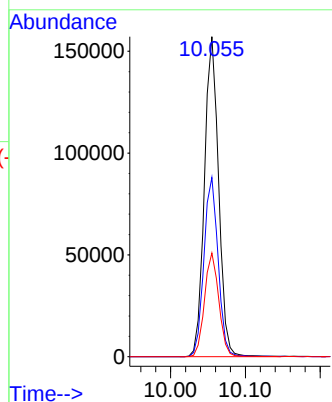


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Instrument :
MSVOA_X
ClientSampleId :

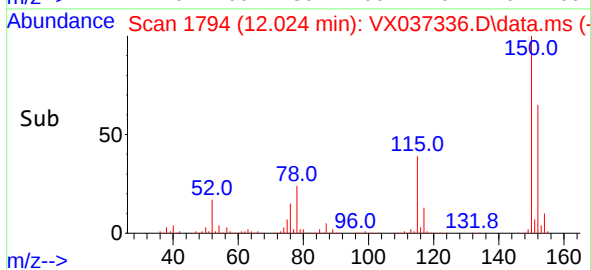
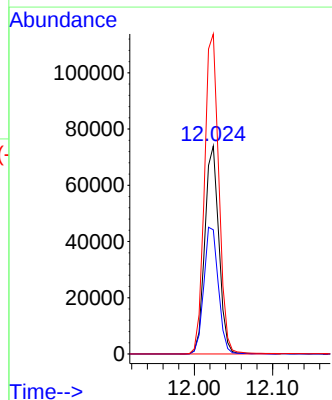
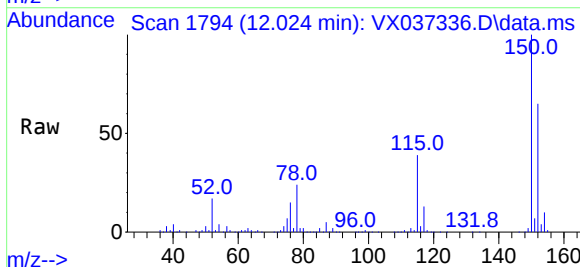


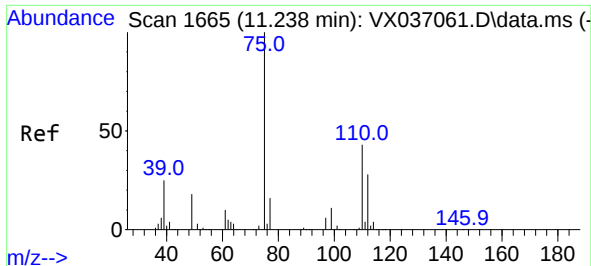
Tgt Ion:117 Resp: 207151
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Tgt Ion:152 Resp: 92075
Ion Ratio Lower Upper
152 100
115 63.0 43.3 129.9
150 157.2 0.0 345.0

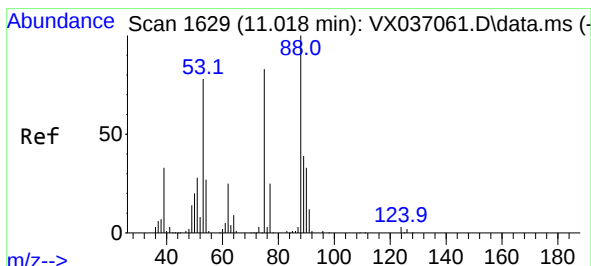
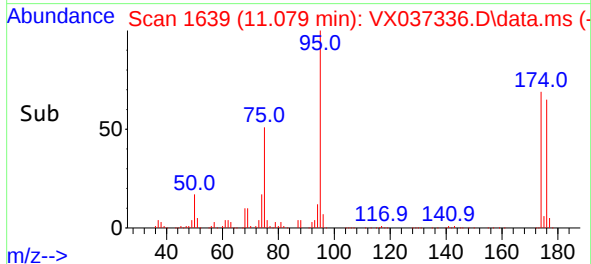
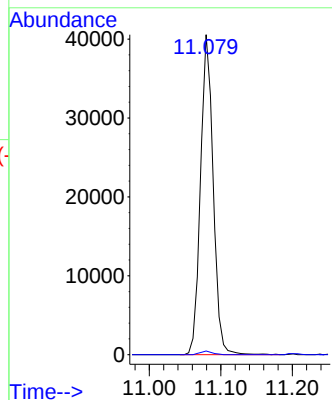
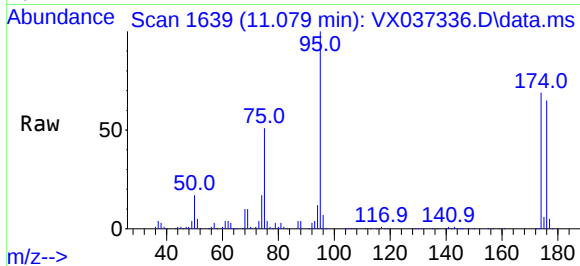




#76
1,2,3-Trichloropropane
Concen: 25.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

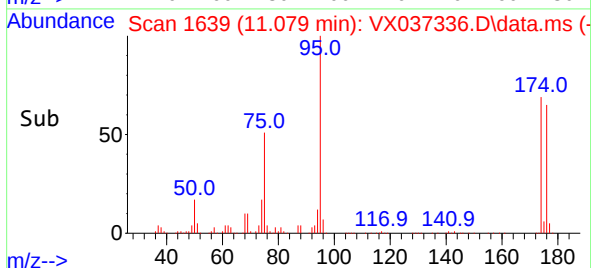
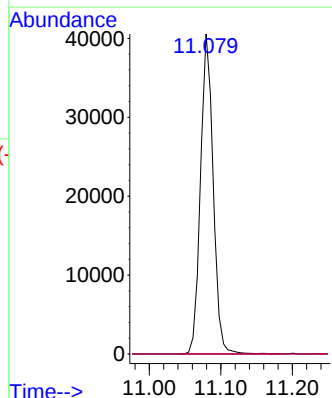
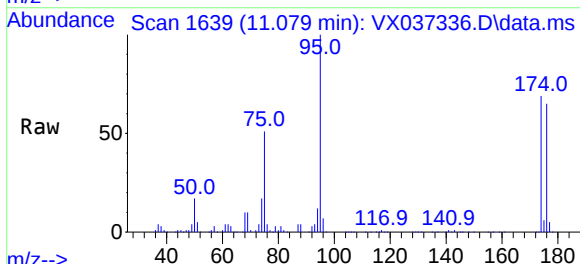
Instrument :
MSVOA_X
ClientSampleId :

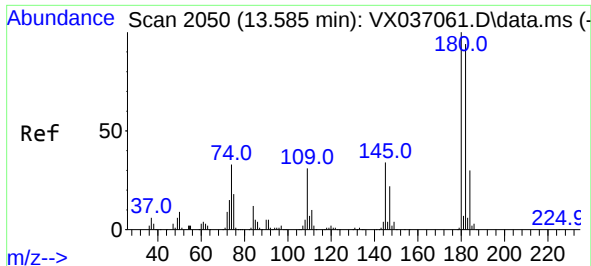
Tgt Ion: 75 Resp: 49909
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.089 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037336.D
Acq: 29 Aug 2023 12:50

Tgt Ion: 75 Resp: 49909
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.329 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037336.D

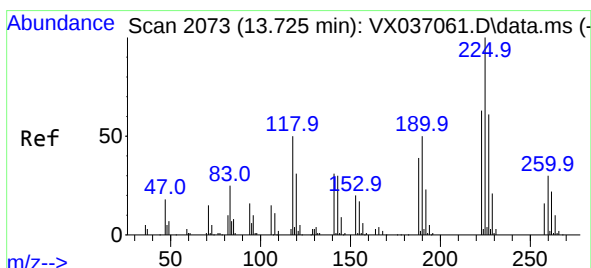
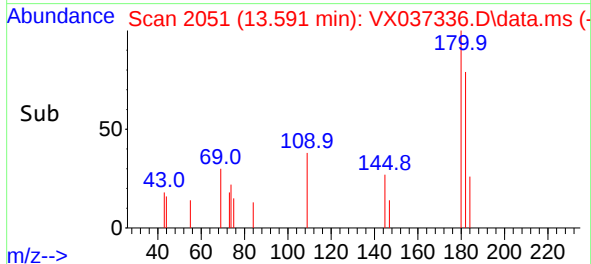
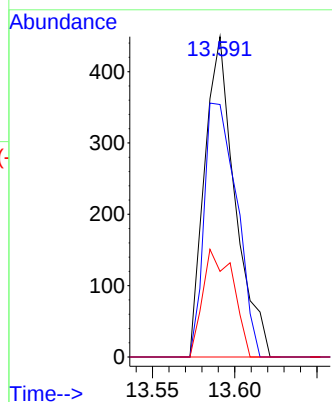
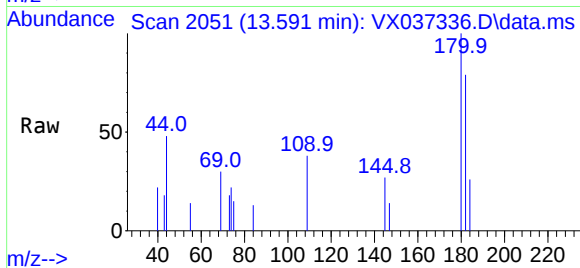
Acq: 29 Aug 2023 12:50

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	576
Ion	Ratio	Lower Upper
180	100	
182	84.9	48.3 144.8
145	33.3	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.394 ug/l

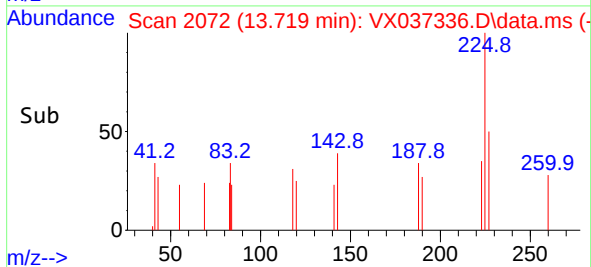
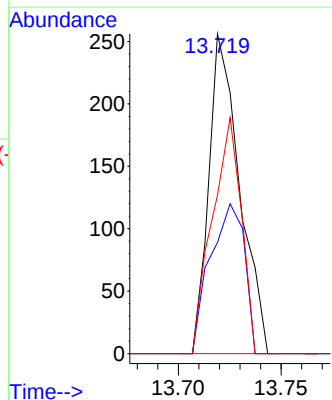
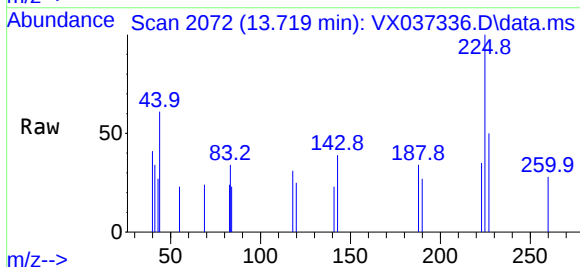
RT: 13.719 min Scan# 2072

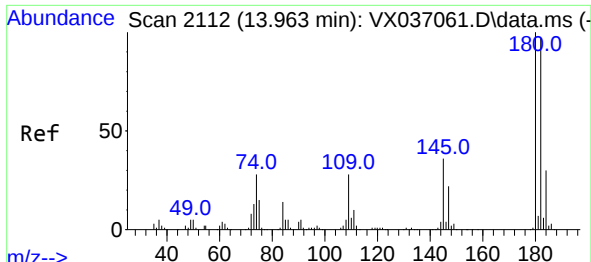
Delta R.T. -0.006 min

Lab File: VX037336.D

Acq: 29 Aug 2023 12:50

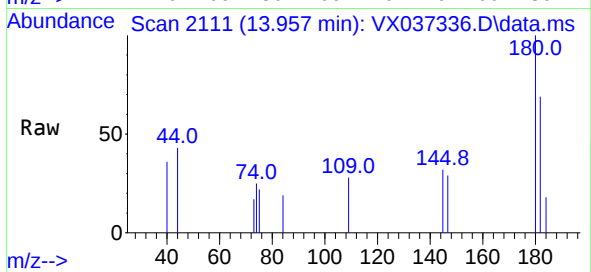
Tgt Ion:225	Resp:	267
Ion	Ratio	Lower Upper
225	100	
223	51.7	31.1 93.2
227	68.9	32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.338 ug/l
 RT: 13.957 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VX037336.D
 Acq: 29 Aug 2023 12:50

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 589

Ion	Ratio	Lower	Upper
180	100		
182	71.8	46.9	140.6
145	35.1	17.8	53.5

