

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
 Data File : VX039098.D
 Acq On : 08 Dec 2023 12:05
 Operator : JC/MD
 Sample : 05697-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 08 23:46:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

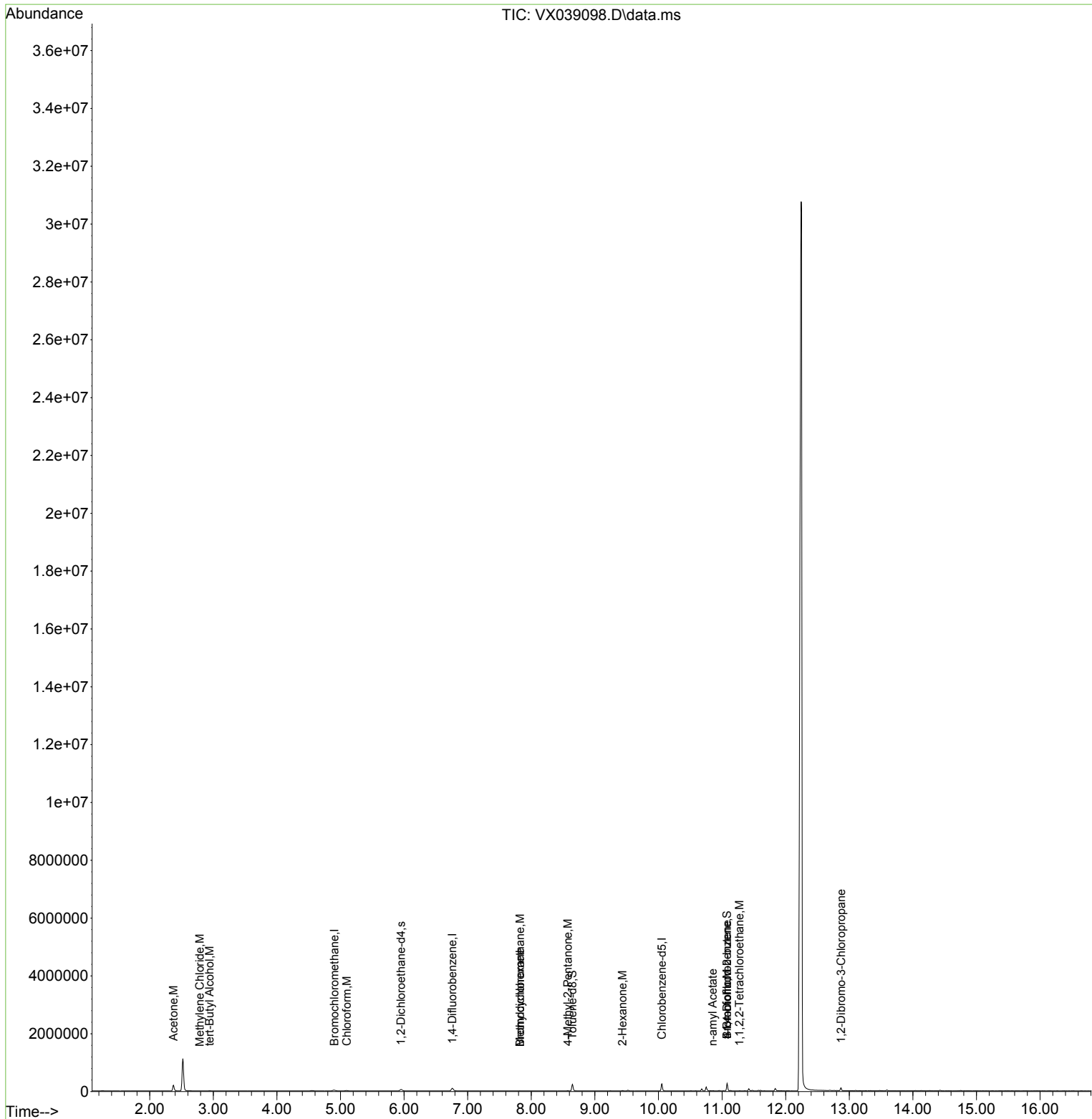
Internal Standards						
1) Bromochloromethane	4.904	128	10989	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	90088	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	111013	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	45611	30.339	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	=	101.133%	
60) 4-Bromofluorobenzene	11.079	95	70601	29.117	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	=	97.067%	
63) Toluene-d8	8.647	98	132179	30.116	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	=	100.400%	
Target Compounds						
						Qvalue
15) Acetone	2.373	58	66046	159.353	ug/l	99
18) Methylene Chloride	2.788	84	602	0.340	ug/l #	87
23) tert-Butyl Alcohol	2.940	59	2614	4.141	ug/l #	100
25) Chloroform	5.099	83	15206	4.826	ug/l	93
38) Methylcyclohexane	7.824	83	1759	0.559	ug/l #	22
41) Bromodichloromethane	7.824	83	1759	0.668	ug/l #	84
47) n-amyl Acetate	10.854	43	1536	0.352	ug/l #	1
56) Bromoform	11.079	173	422	0.292	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	5330	1.583	ug/l	91
59) 2-Hexanone	9.433	43	7130	2.580	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.274	83	805	0.251	ug/l #	35
77) t-1,4-Dichloro-2-butene	11.079	75	37625	34.973	ug/l #	12
88) 1,2-Dibromo-3-Chloropr...	12.872	75	2318	2.825	ug/l #	7

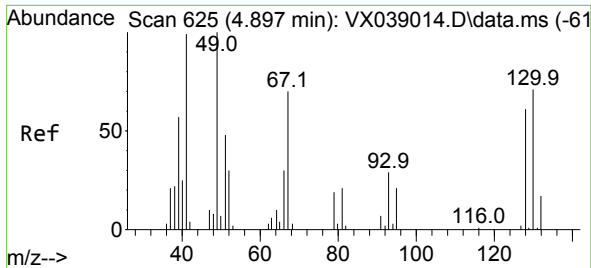
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
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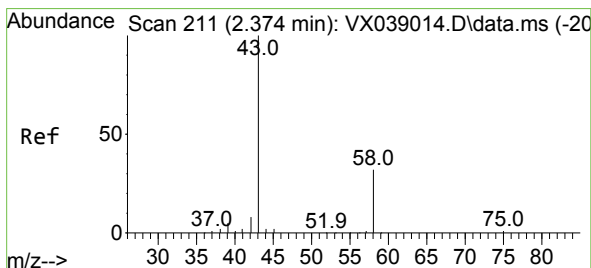
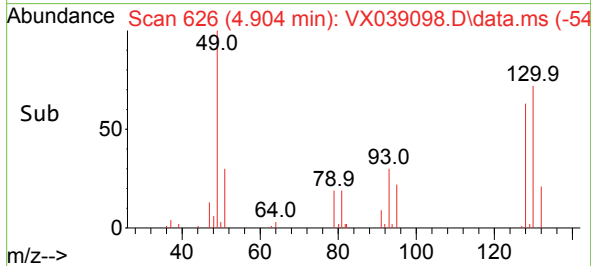
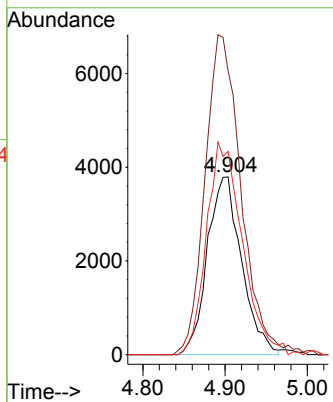
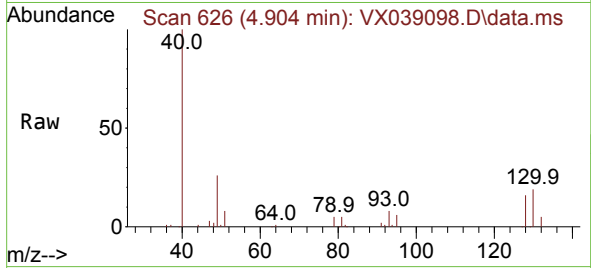




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.904 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

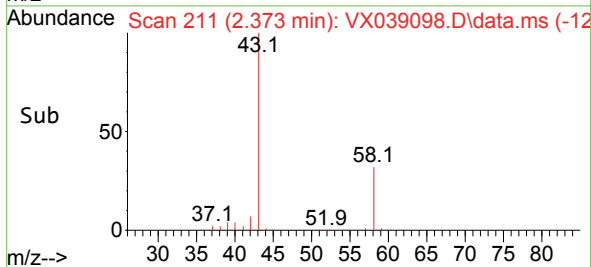
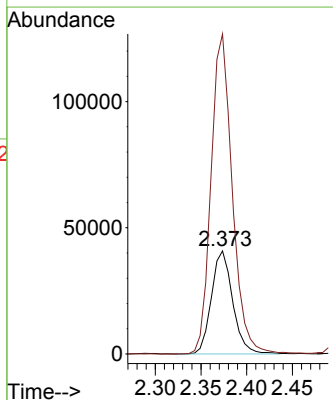
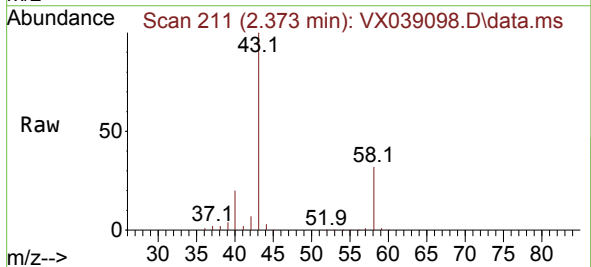
Instrument :
 MSVOA_X
 ClientSampleId :

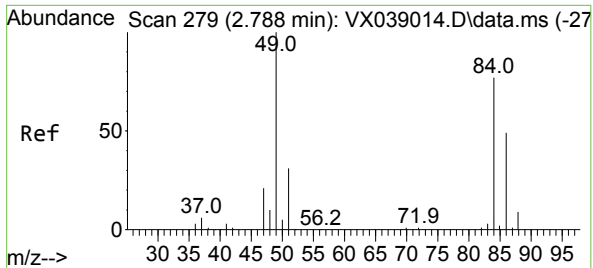
Tgt Ion	Resp	Lower	Upper
128	10989		
128	100		
49	187.4	0.0	444.0
130	124.2	0.0	297.8



#15
 Acetone
 Concen: 159.353 ug/l
 RT: 2.373 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

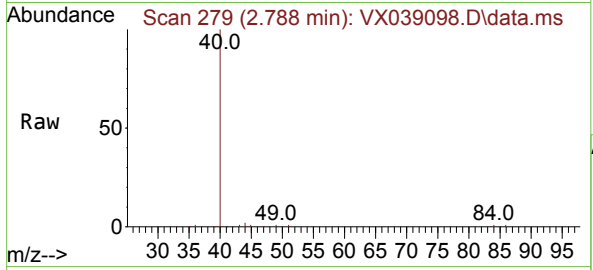
Tgt Ion	Resp	Lower	Upper
58	66046		
58	100		
43	310.4	249.9	374.9





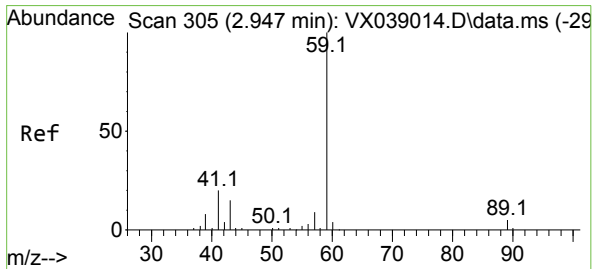
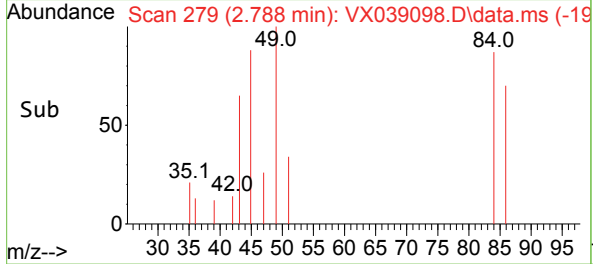
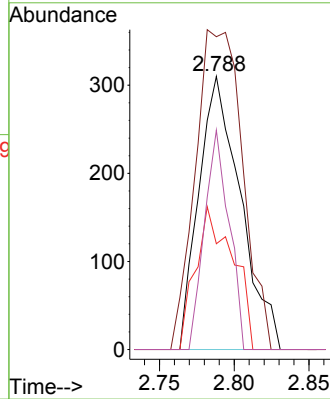
#18
 Methylene Chloride
 Concen: 0.340 ug/l
 RT: 2.788 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

Instrument : MSVOA_X
 ClientSampleId :



Tgt Ion: 84 Resp: 602

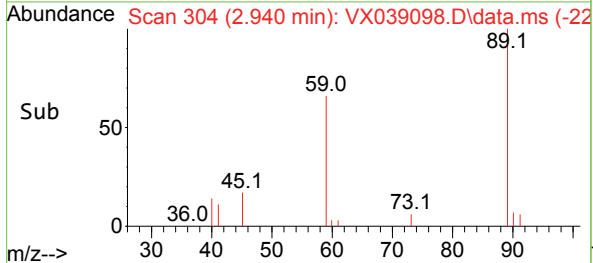
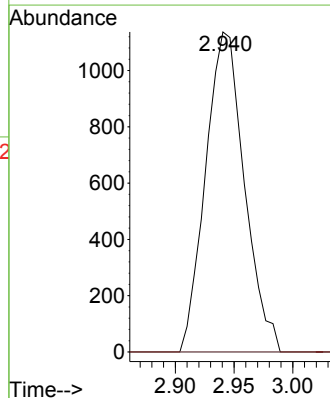
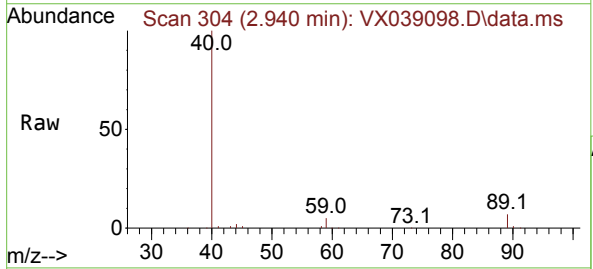
Ion	Ratio	Lower	Upper
84	100		
49	114.5	103.8	155.8
51	38.7	31.8	47.6
86	80.3	50.8	76.2

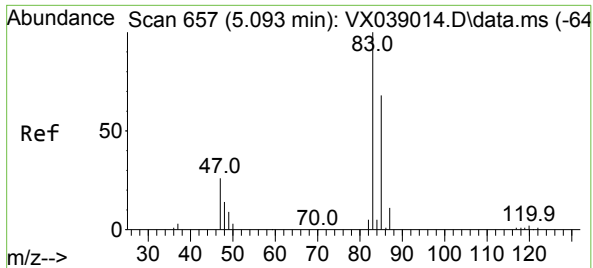


#23
 tert-Butyl Alcohol
 Concen: 4.141 ug/l
 RT: 2.940 min Scan# 304
 Delta R.T. -0.006 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

Tgt Ion: 59 Resp: 2614

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

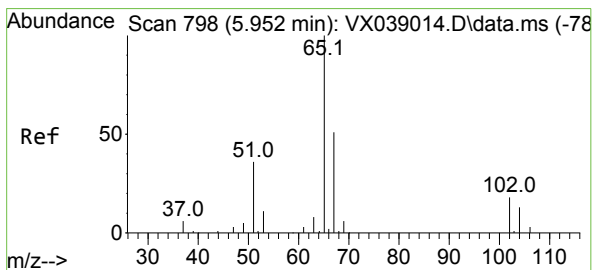
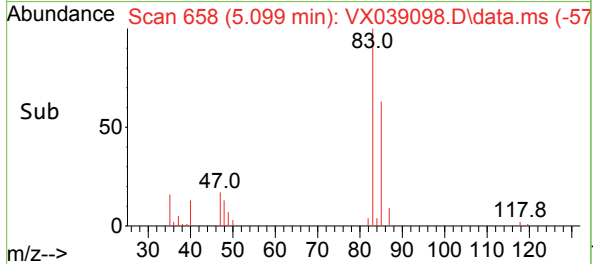
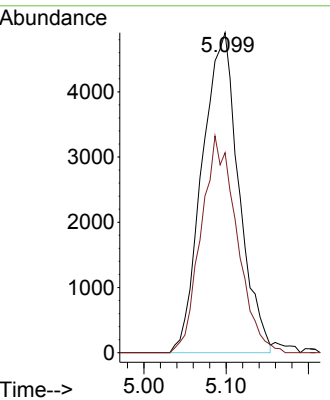
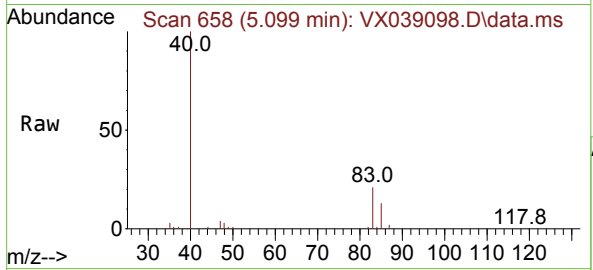




#25
 Chloroform
 Concen: 4.826 ug/l
 RT: 5.099 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

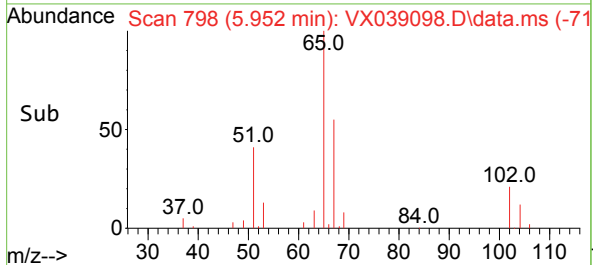
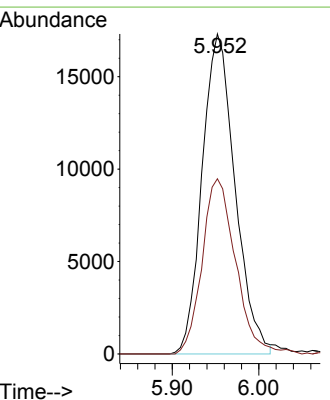
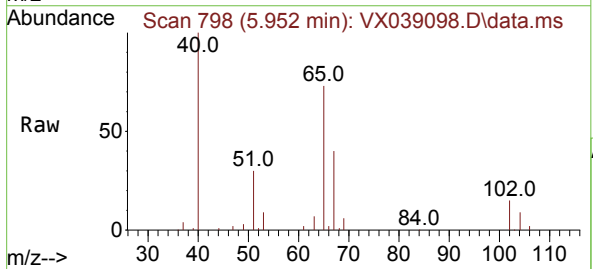
Instrument : MSVOA_X
 ClientSampleId :

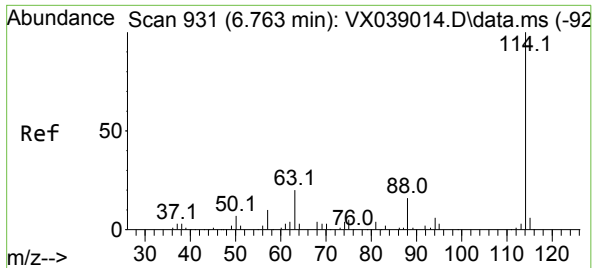
Tgt Ion: 83 Resp: 15206
 Ion Ratio Lower Upper
 83 100
 85 62.5 54.6 81.8



#27
 1,2-Dichloroethane-d4
 Concen: 30.339 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

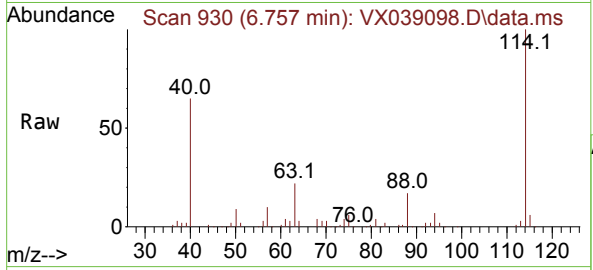
Tgt Ion: 65 Resp: 45611
 Ion Ratio Lower Upper
 65 100
 67 55.3 42.5 63.7





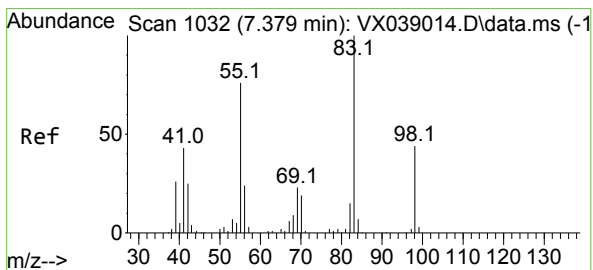
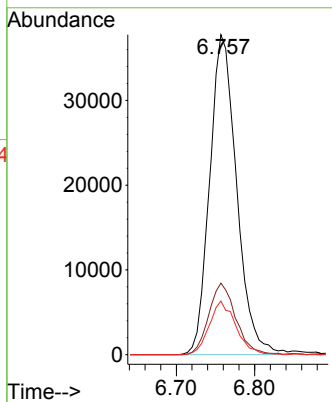
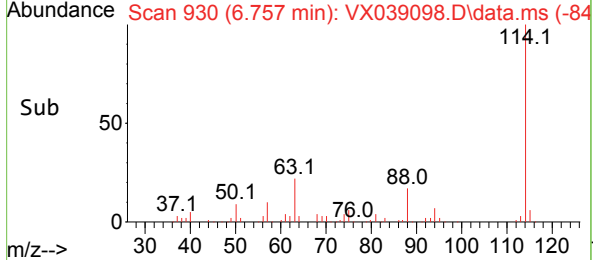
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

Instrument :
 MSVOA_X
 ClientSampleId :

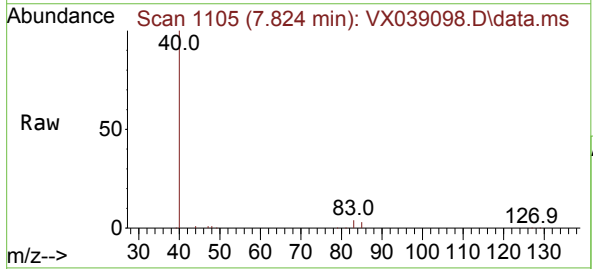


Tgt Ion: 114 Resp: 90088

Ion	Ratio	Lower	Upper
114	100		
63	22.3	17.0	25.4
88	16.5	12.7	19.1

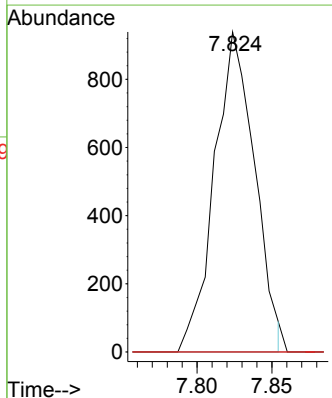
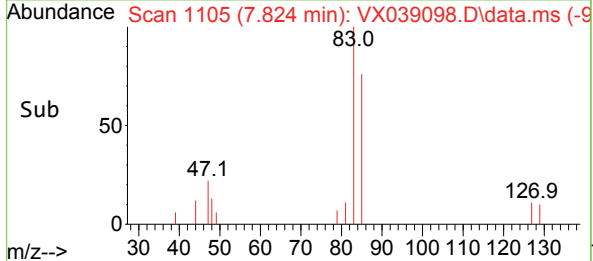


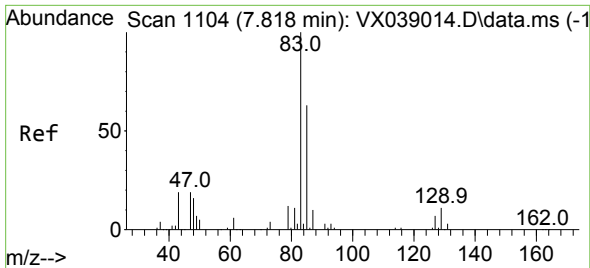
#38
 Methylcyclohexane
 Concen: 0.559 ug/l
 RT: 7.824 min Scan# 1105
 Delta R.T. 0.445 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05



Tgt Ion: 83 Resp: 1759

Ion	Ratio	Lower	Upper
83	100		
55	5.3	38.6	116.0#
98	0.0	22.3	66.8#

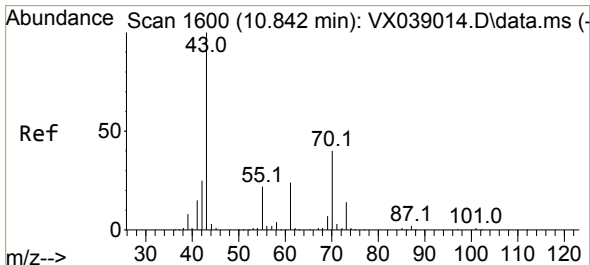
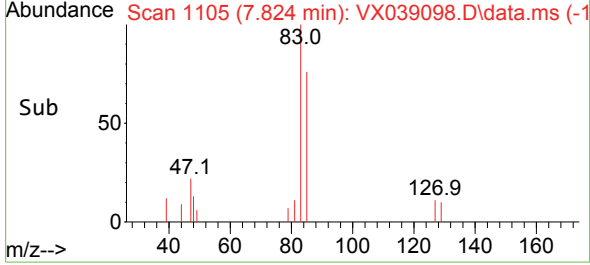
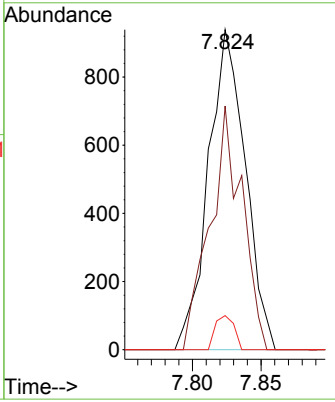
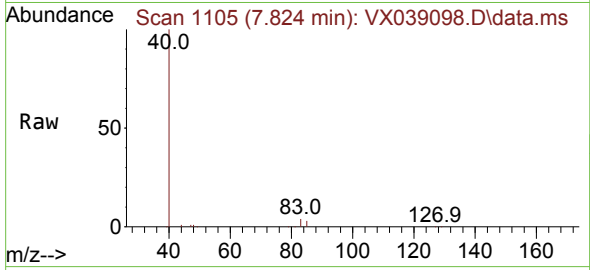




#41
 Bromodichloromethane
 Concen: 0.668 ug/l
 RT: 7.824 min Scan# 1105
 Delta R.T. 0.006 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

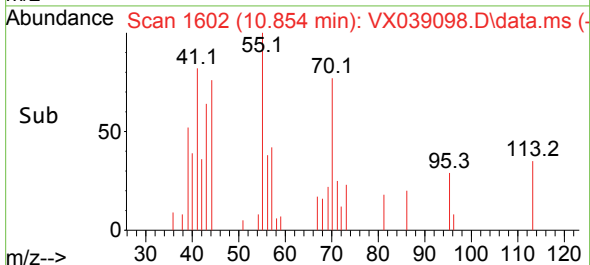
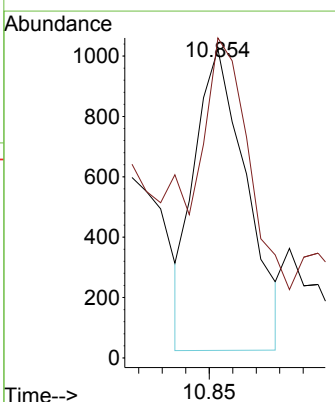
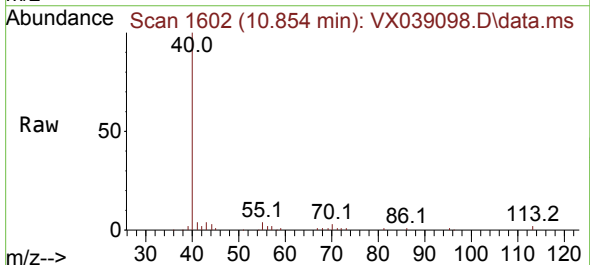
Instrument : MSVOA_X
 ClientSampleId :

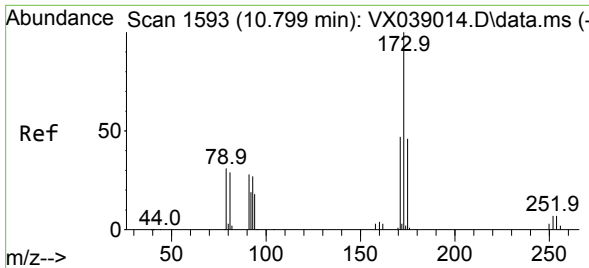
Tgt Ion	Resp	Lower	Upper
83	1759		
85	76.1	50.8	76.2
127	10.6	5.9	8.9#



#47
 n-amy1 Acetate
 Concen: 0.352 ug/l
 RT: 10.854 min Scan# 1602
 Delta R.T. 0.012 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

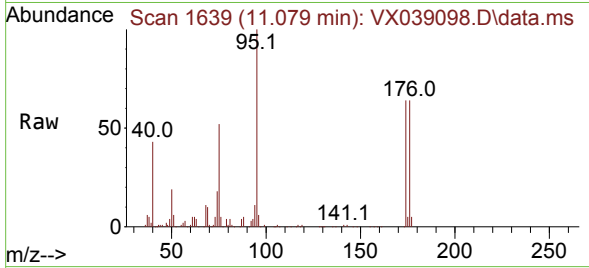
Tgt Ion	Resp	Lower	Upper
43	1536		
55	100.3	18.2	27.2#



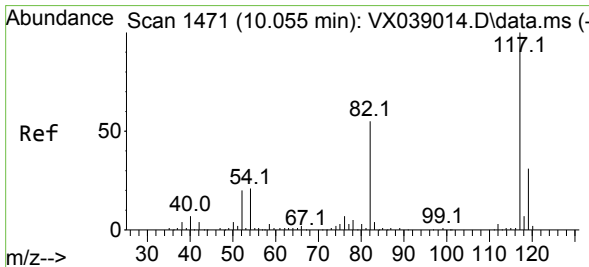
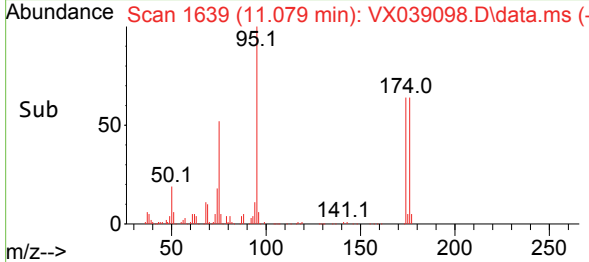
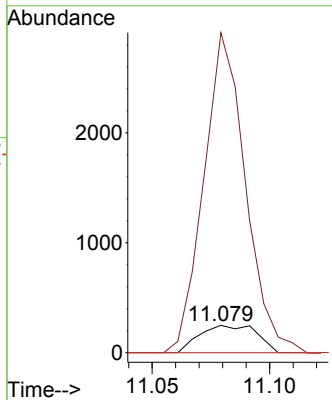


#56
 Bromoform
 Concen: 0.292 ug/l
 RT: 11.079 min Scan# 1107
 Delta R.T. 0.280 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

Instrument :
 MSVOA_X
 ClientSampleId :

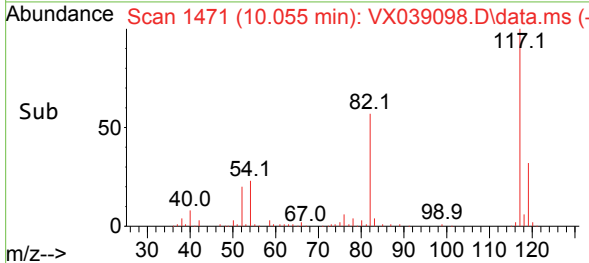
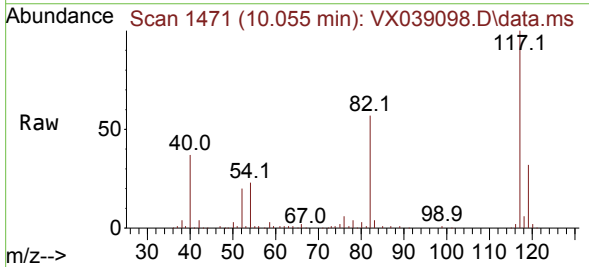
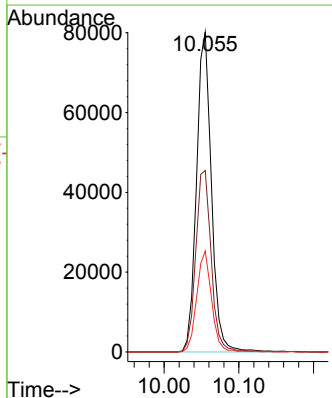


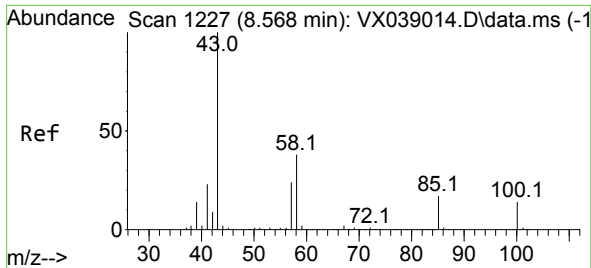
Tgt Ion:173 Resp: 422
 Ion Ratio Lower Upper
 173 100
 175 853.6 37.6 56.4#
 254 0.0 5.8 8.8#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.055 min Scan# 1471
 Delta R.T. -0.000 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

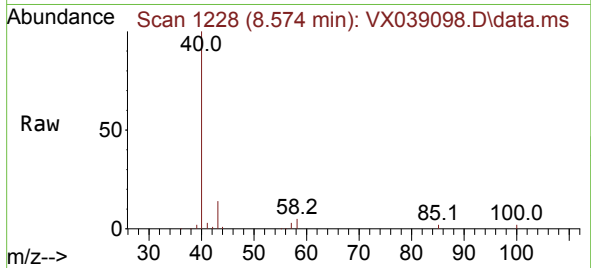
Tgt Ion:117 Resp: 111013
 Ion Ratio Lower Upper
 117 100
 82 58.8 47.0 70.6
 119 31.2 25.2 37.8



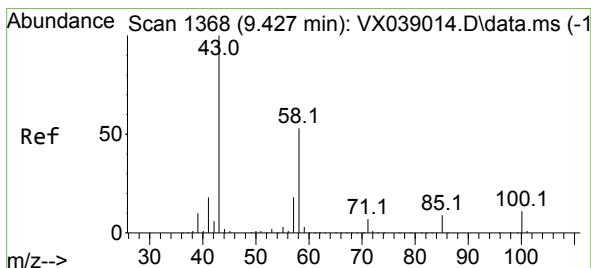
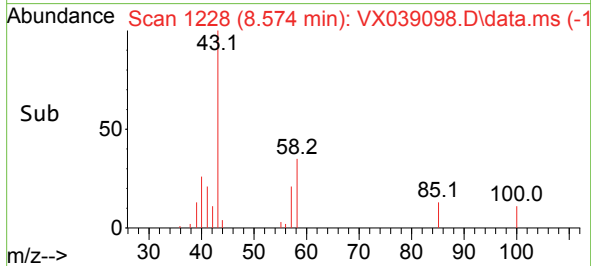
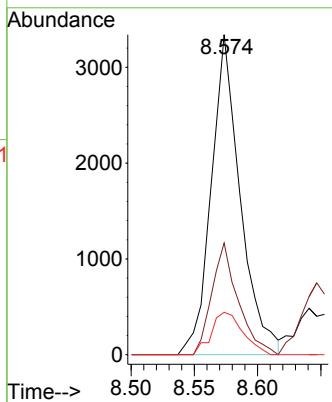


#58
 4-Methyl-2-Pentanone
 Concen: 1.583 ug/l
 RT: 8.574 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

Instrument :
 MSVOA_X
 ClientSampleId :

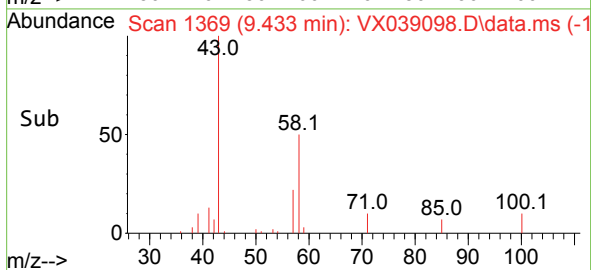
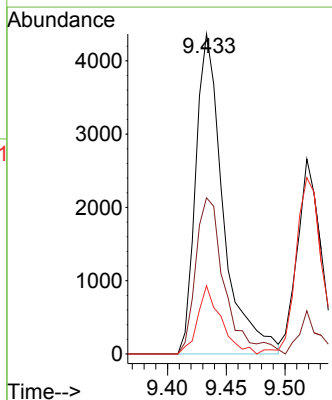
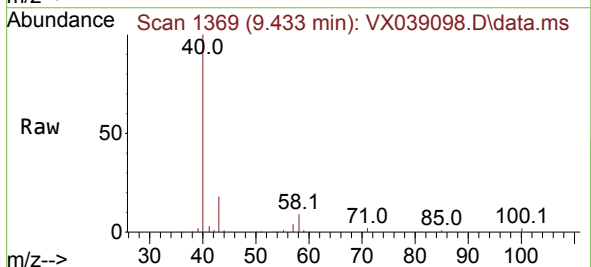


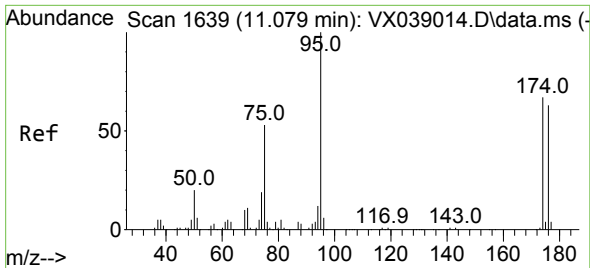
Tgt Ion: 43 Resp: 5330
 Ion Ratio Lower Upper
 43 100
 58 31.7 30.1 45.1
 85 14.4 13.9 20.9



#59
 2-Hexanone
 Concen: 2.580 ug/l
 RT: 9.433 min Scan# 1369
 Delta R.T. 0.006 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

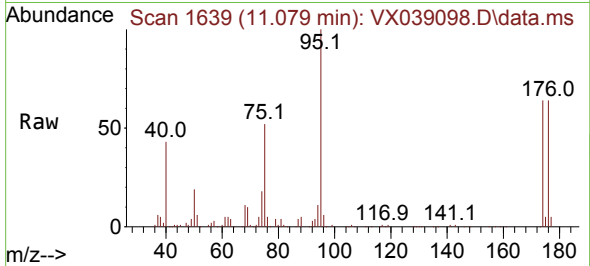
Tgt Ion: 43 Resp: 7130
 Ion Ratio Lower Upper
 43 100
 58 49.3 42.7 64.1
 57 18.0 14.8 22.2



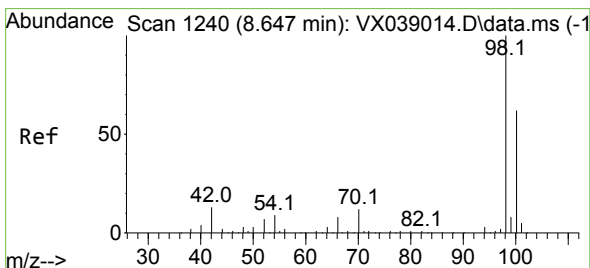
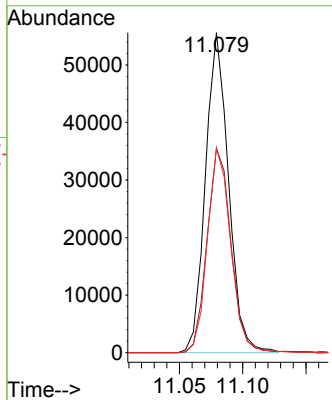
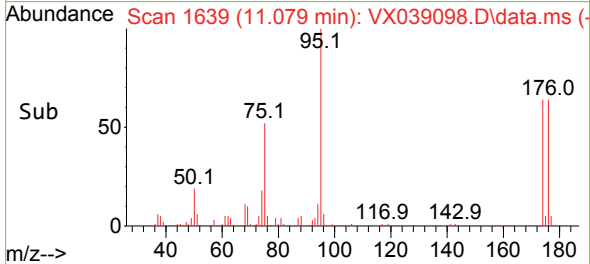


#60
 4-Bromofluorobenzene
 Concen: 29.117 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

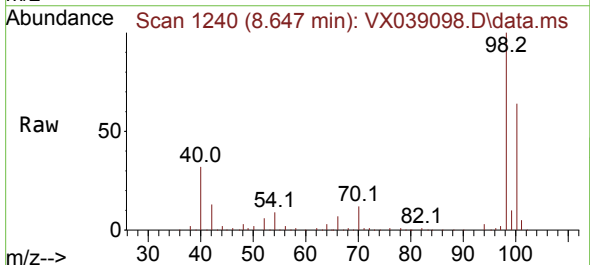
Instrument : MSVOA_X
 ClientSampleId :



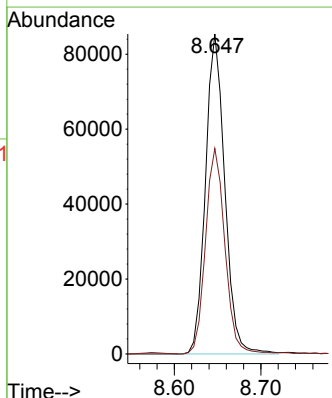
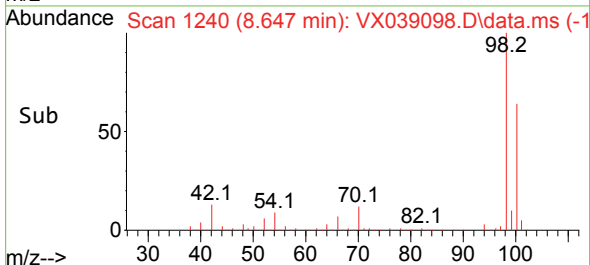
Tgt Ion: 95 Resp: 70601
 Ion Ratio Lower Upper
 95 100
 174 66.1 55.4 83.2
 176 64.5 52.6 78.8

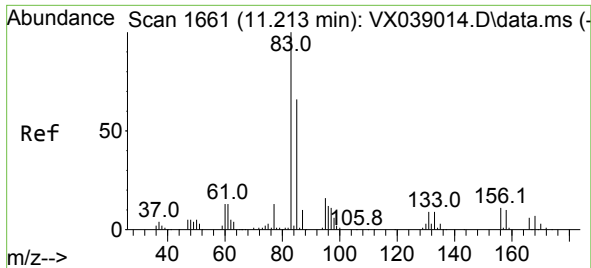


#63
 Toluene-d8
 Concen: 30.116 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05



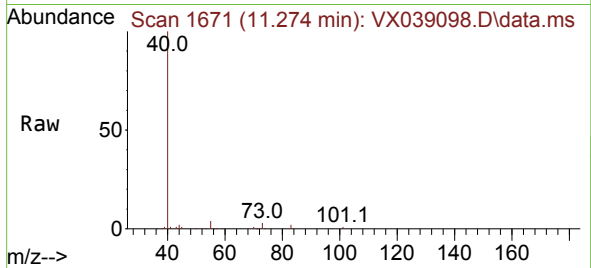
Tgt Ion: 98 Resp: 132179
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.0 76.4



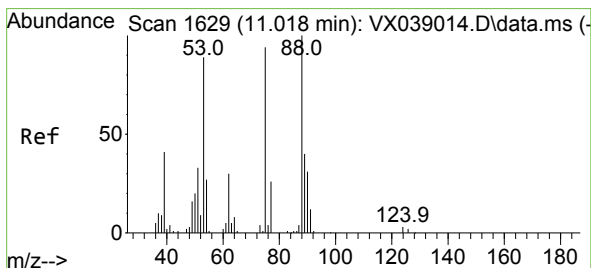
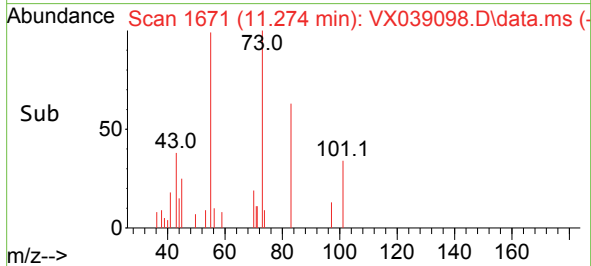
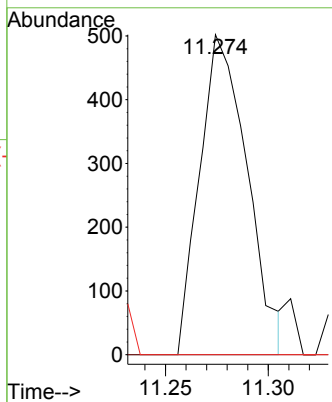


#71
 1,1,2,2-Tetrachloroethane
 Concen: 0.251 ug/l
 RT: 11.274 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

Instrument : MSVOA_X
 ClientSampleId :

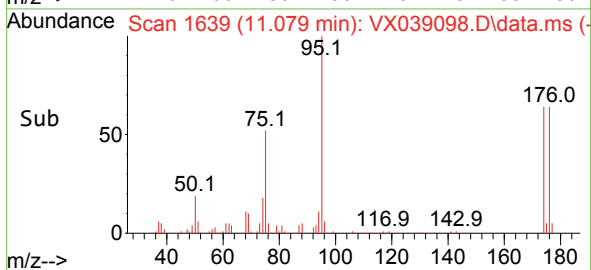
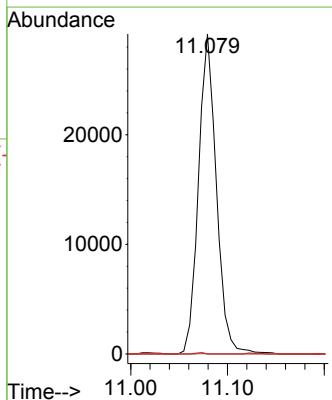
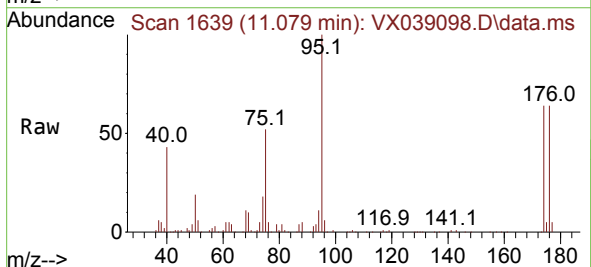


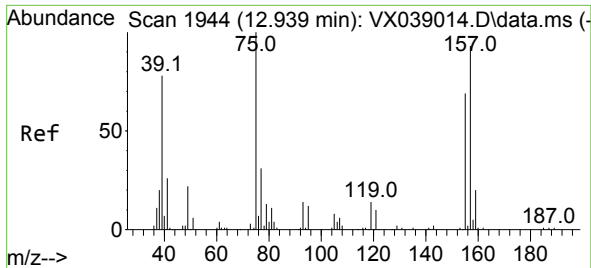
Tgt Ion	Resp	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	8.9	32.5	97.4#



#77
 t-1,4-Dichloro-2-butene
 Concen: 34.973 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

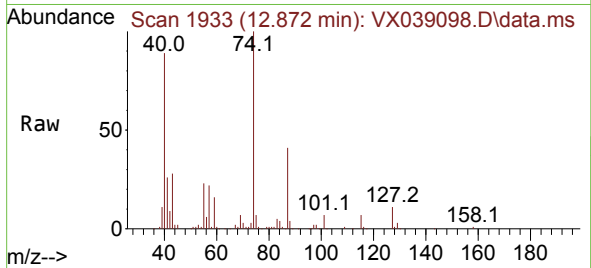
Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	46.9	140.8#
89	0.0	21.3	63.7#





#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.825 ug/l
 RT: 12.872 min Scan# 1944
 Delta R.T. -0.067 min
 Lab File: VX039098.D
 Acq: 08 Dec 2023 12:05

Instrument : MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 2318

Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.2	87.4#
157	0.0	76.5	114.7#

