

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
 Data File : VX036537.D
 Acq On : 13 Jul 2023 19:52
 Operator : JC/MD
 Sample : 03609-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 14 04:38:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

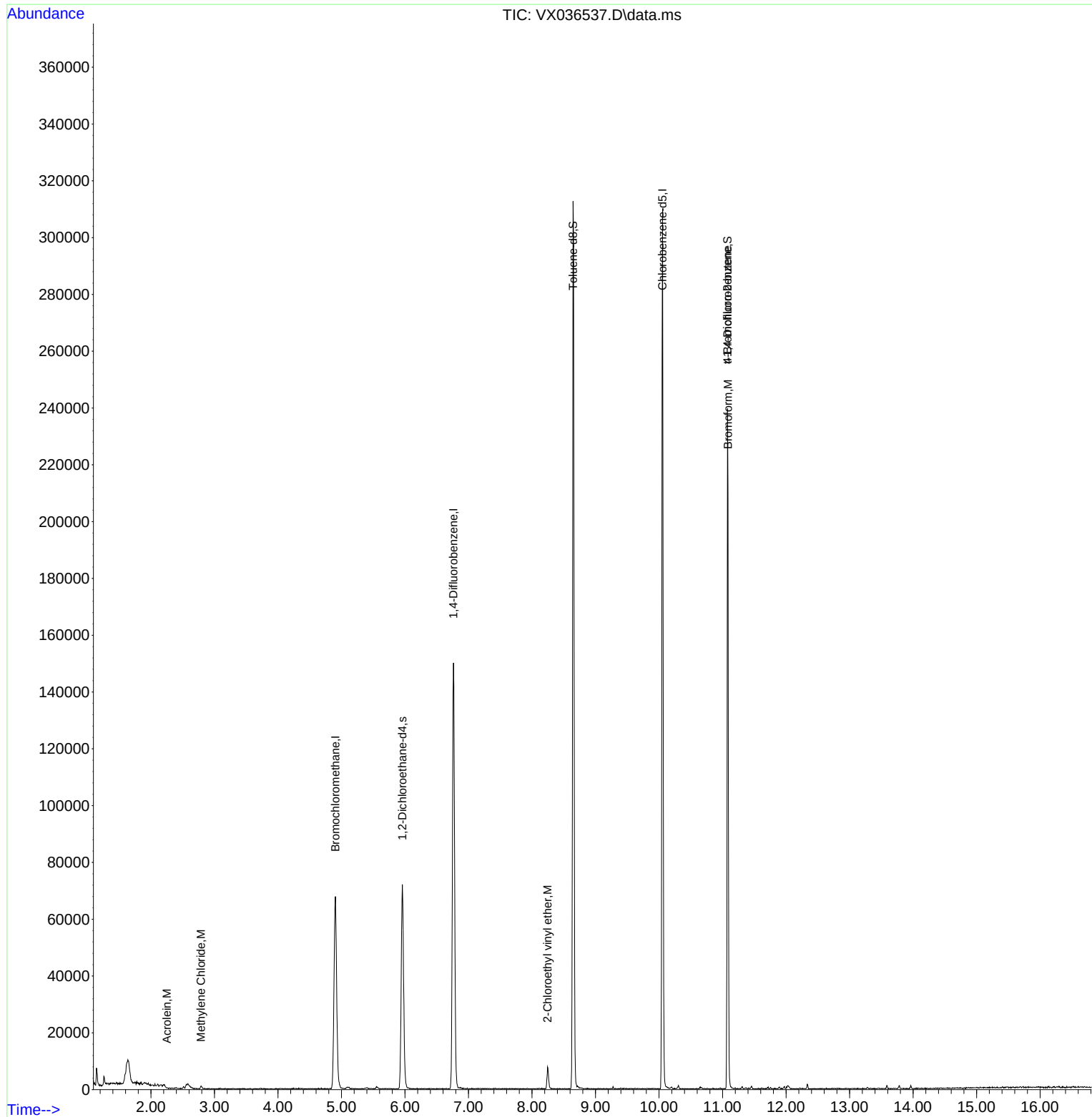
Internal Standards						
1) Bromochloromethane	4.904	128	27852	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	152766	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	136272	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	65570	28.365	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.567%
60) 4-Bromofluorobenzene	11.079	95	61248	27.708	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.367%
63) Toluene-d8	8.647	98	188962	30.134	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.433%
Target Compounds						
					Qvalue	
13) Acrolein	2.252	56	91	0.290	ug/l #	12
18) Methylene Chloride	2.788	84	433	0.221	ug/l #	64
55) 2-Chloroethyl vinyl ether	8.244	63	3488	2.183	ug/l	96
56) Bromoform	11.085	173	483	0.363	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	32214	36.222	ug/l #	7

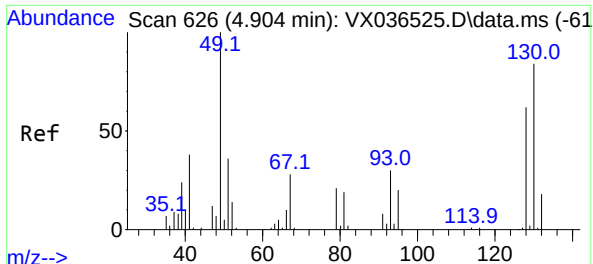
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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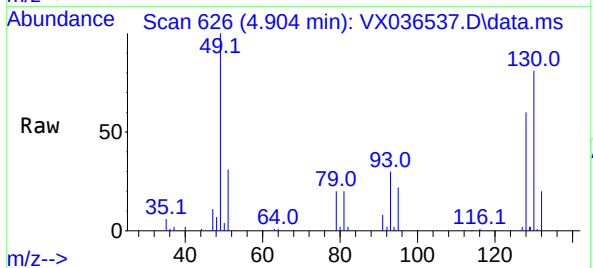
Quant Time: Jul 14 04:38:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
Response via : Initial Calibration



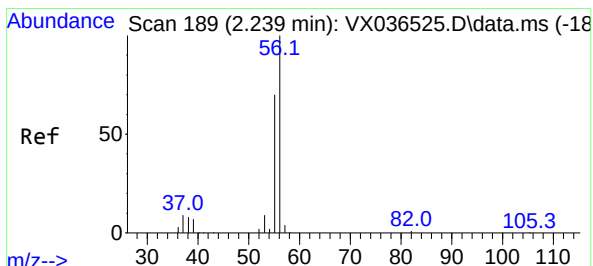
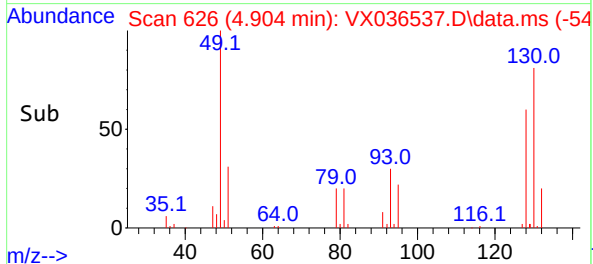
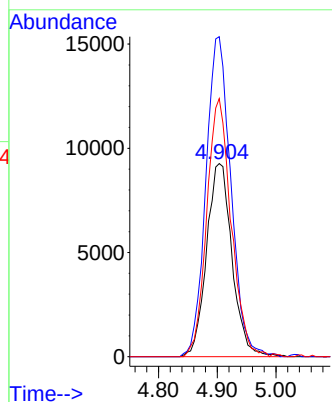


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

Instrument :
MSVOA_X
ClientSampleId :

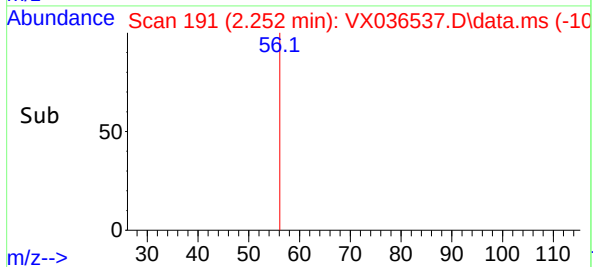
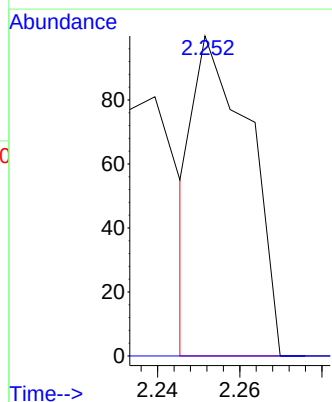
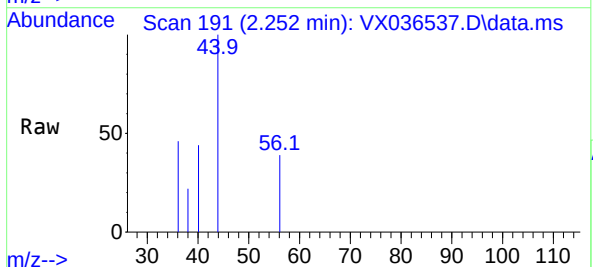


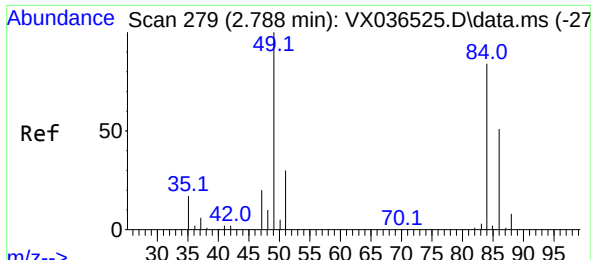
Tgt Ion:	128	Resp:	27852
Ion	Ratio	Lower	Upper
128	100		
49	162.6	0.0	406.3
130	127.9	0.0	328.0



#13
Acrolein
Concen: 0.290 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

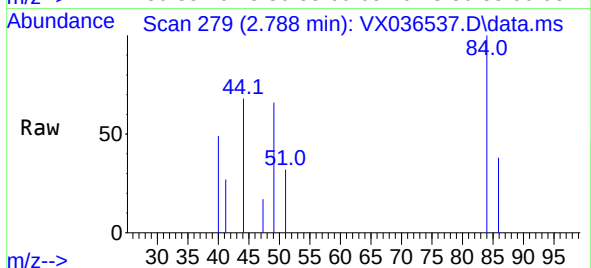
Tgt Ion:	56	Resp:	91
Ion	Ratio	Lower	Upper
56	100		
55	0.0	59.7	89.5#





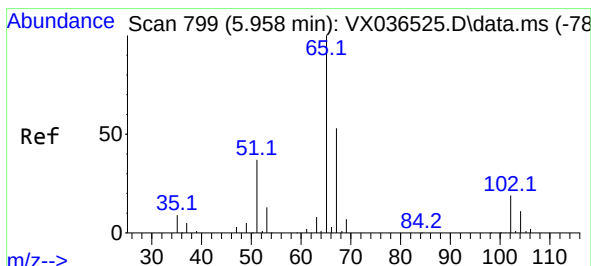
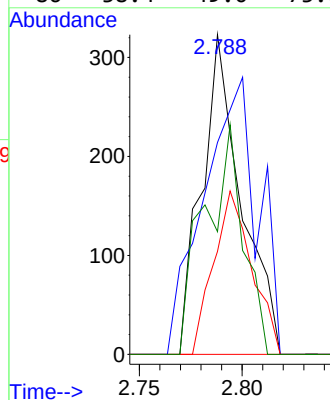
#18
Methylene Chloride
Concen: 0.221 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 433

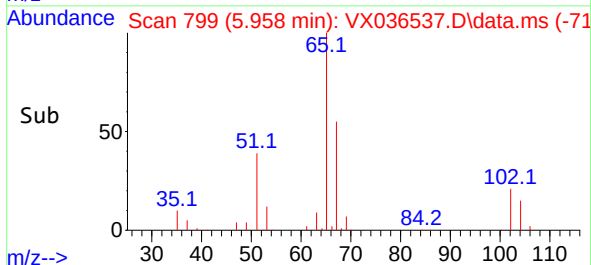
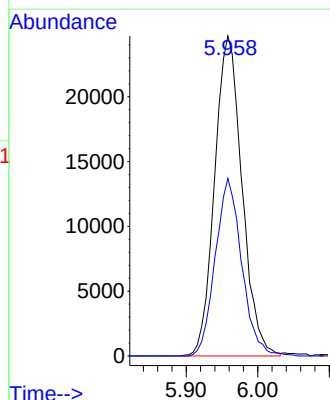
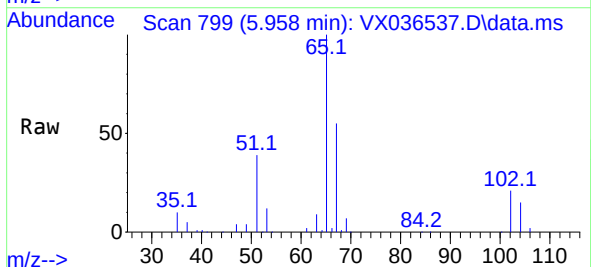
Ion	Ratio	Lower	Upper
84	100		
49	66.3	95.4	143.0#
51	32.2	28.3	42.5
86	38.4	49.0	73.6#

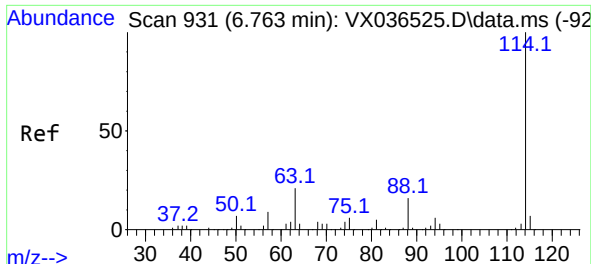


#27
1,2-Dichloroethane-d4
Concen: 28.365 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

Tgt Ion: 65 Resp: 65570

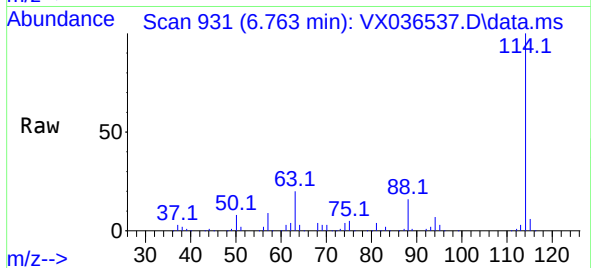
Ion	Ratio	Lower	Upper
65	100		
67	53.7	42.1	63.1



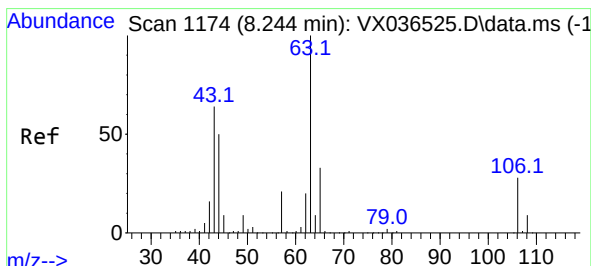
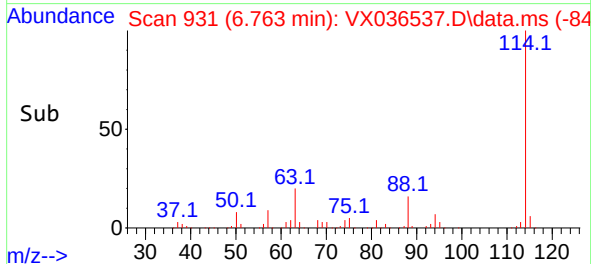
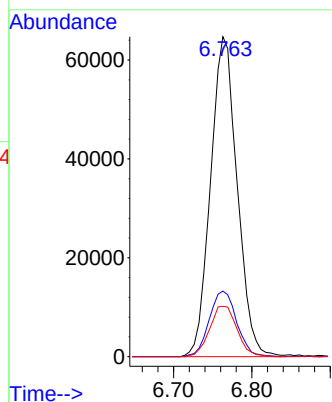


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

Instrument :
MSVOA_X
ClientSampleId :

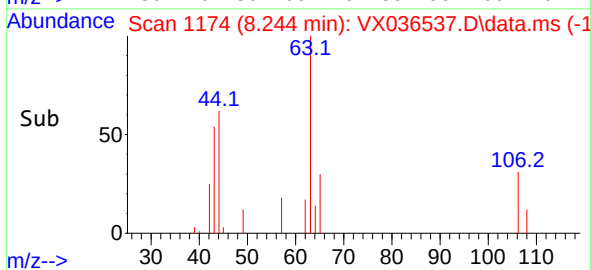
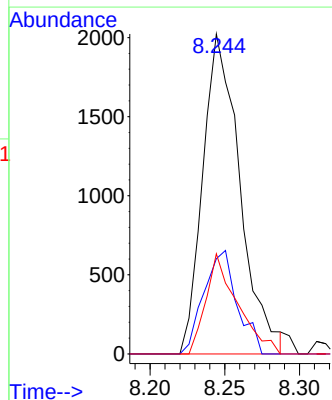
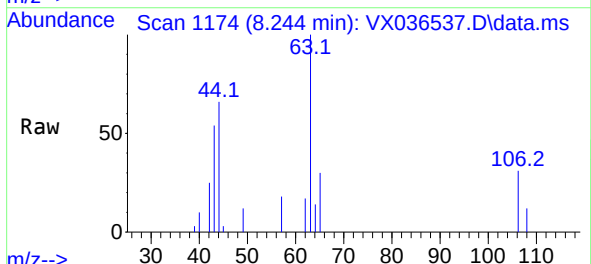


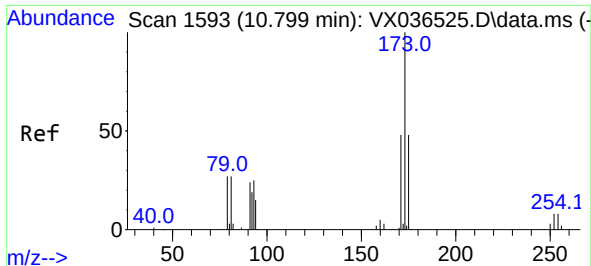
Tgt Ion:114 Resp: 152766
Ion Ratio Lower Upper
114 100
63 21.1 16.6 24.8
88 16.3 12.9 19.3



#55
2-Chloroethyl vinyl ether
Concen: 2.183 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

Tgt Ion: 63 Resp: 3488
Ion Ratio Lower Upper
63 100
65 29.1 25.9 38.9
106 26.7 21.8 32.8

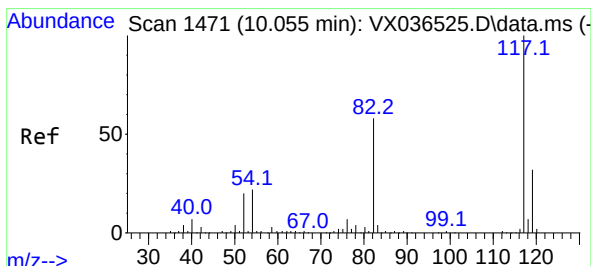
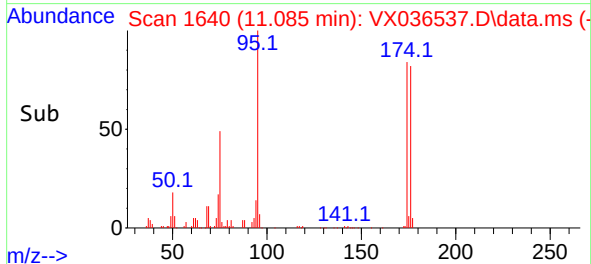
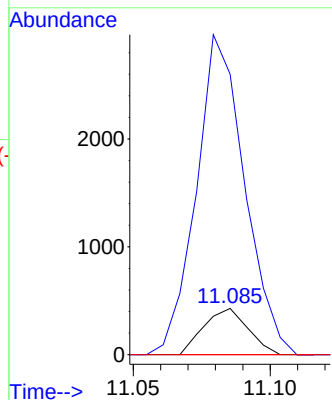
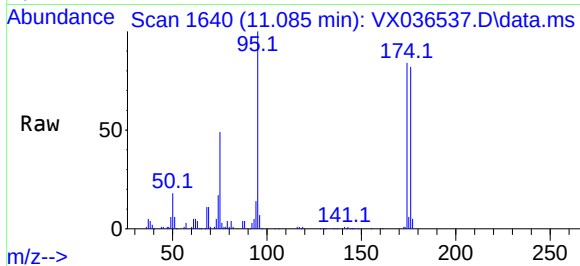




#56
Bromoform
Concen: 0.363 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.286 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

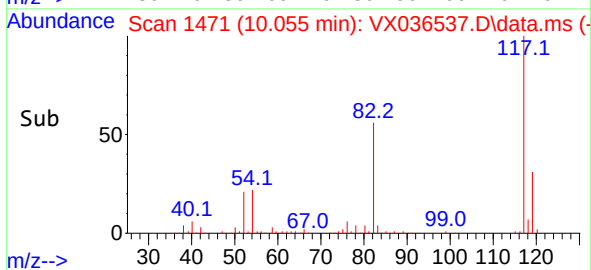
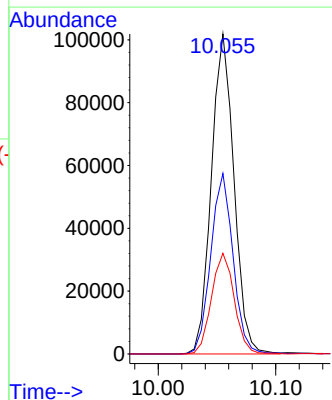
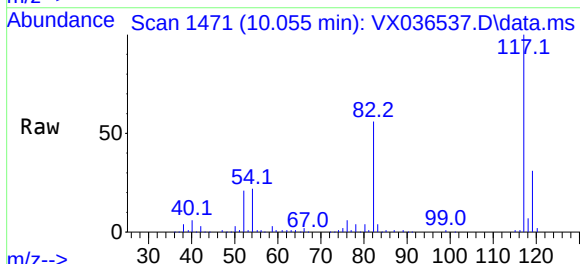
Instrument :
MSVOA_X
ClientSampleId :

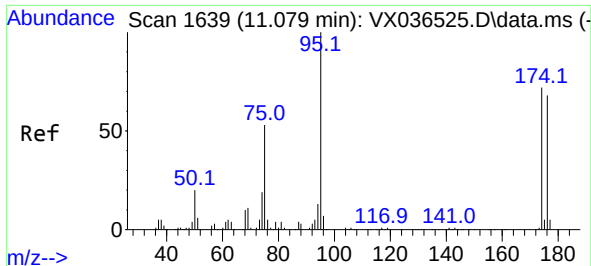
Tgt Ion:173 Resp: 483
Ion Ratio Lower Upper
173 100
175 753.8 38.1 57.1#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

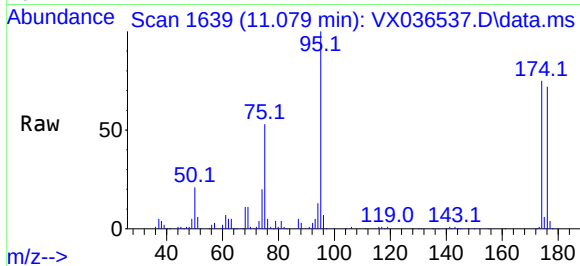
Tgt Ion:117 Resp: 136272
Ion Ratio Lower Upper
117 100
82 55.8 44.7 67.1
119 31.7 25.6 38.4



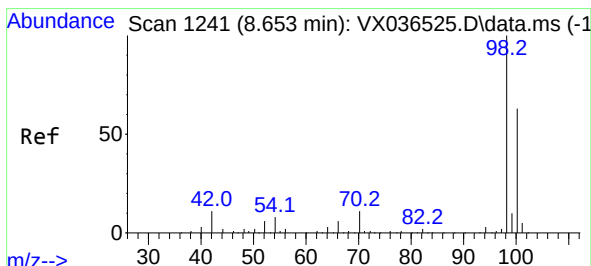
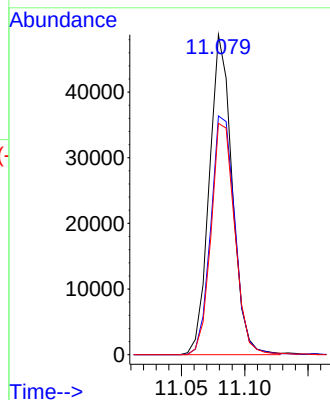
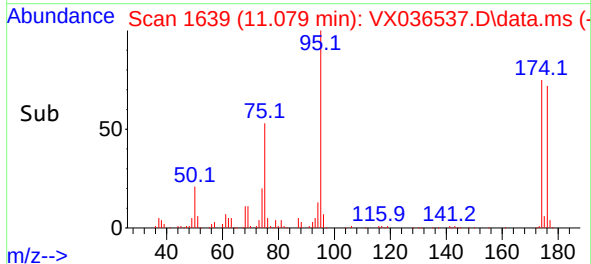


#60
4-Bromofluorobenzene
Concen: 27.708 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

Instrument :
MSVOA_X
ClientSampleId :

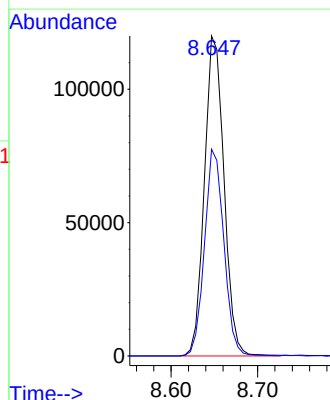
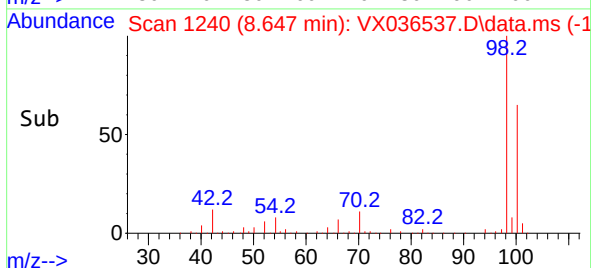
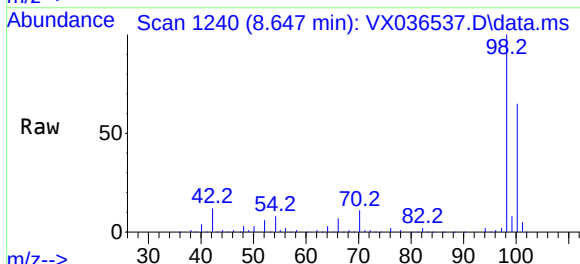


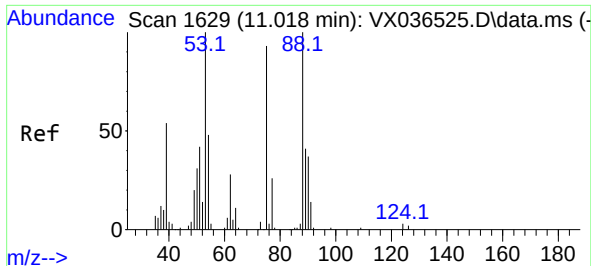
Tgt Ion: 95 Resp: 61248
Ion Ratio Lower Upper
95 100
174 78.7 60.5 90.7
176 75.0 58.2 87.4



#63
Toluene-d8
Concen: 30.134 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX036537.D
Acq: 13 Jul 2023 19:52

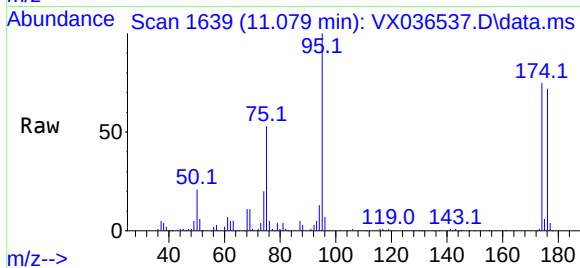
Tgt Ion: 98 Resp: 188962
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.222 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036537.D
 Acq: 13 Jul 2023 19:52

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 32214
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.9 161.7#
 89 0.0 22.1 66.1#

