

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045053.D
 Acq On : 26 Feb 2025 13:52
 Operator : JC/MD
 Sample : Q1429-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 26 14:28:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

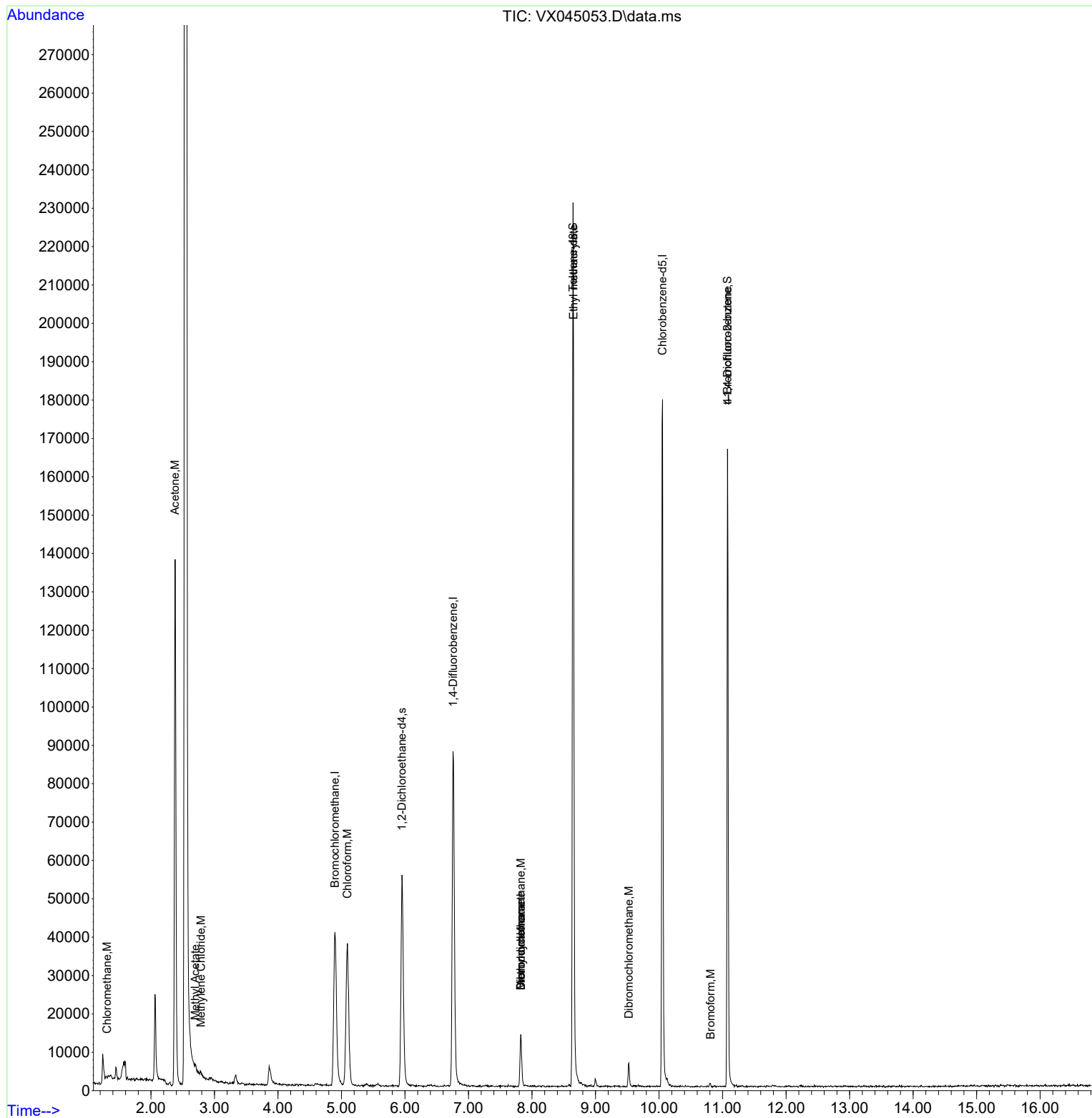
Internal Standards						
1) Bromochloromethane	4.897	128	16856	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	90840	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	81481	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	49789	30.41	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.37%
60) 4-Bromofluorobenzene	11.079	95	43874	28.81	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.03%
63) Toluene-d8	8.647	98	132636	29.42	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.07%
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	493	0.29	ug/l #	84
12) Methyl Acetate	2.697	43	2302	1.55	ug/l #	53
15) Acetone	2.380	58	43707	219.42	ug/l	92
18) Methylene Chloride	2.788	84	421	0.29	ug/l #	79
25) Chloroform	5.092	83	43191	17.47	ug/l	99
38) Methylcyclohexane	7.824	83	8428	3.76	ug/l #	16
40) Dibromomethane	7.824	93	232	0.25	ug/l #	7
41) Bromodichloromethane	7.824	83	8841	4.76	ug/l #	97
51) Ethyl methacrylate	8.653	69	516	0.27	ug/l #	79
53) Dibromochloromethane	9.525	129	2845	2.11	ug/l	97
56) Bromoform	10.811	173	381	0.45	ug/l #	58
77) t-1,4-Dichloro-2-butene	11.079	75	23025	45.39	ug/l #	10

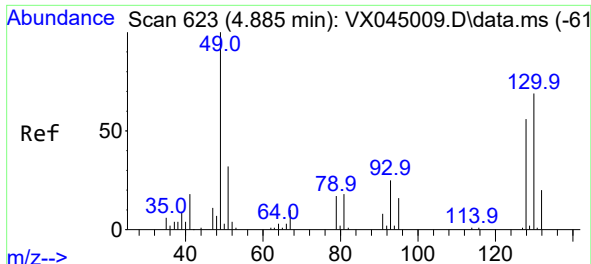
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
Data File : VX045053.D
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

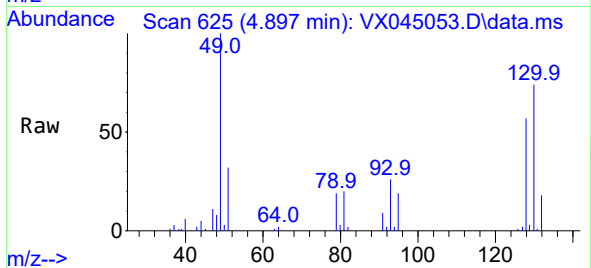
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration



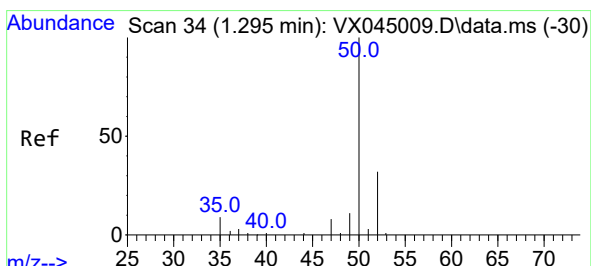
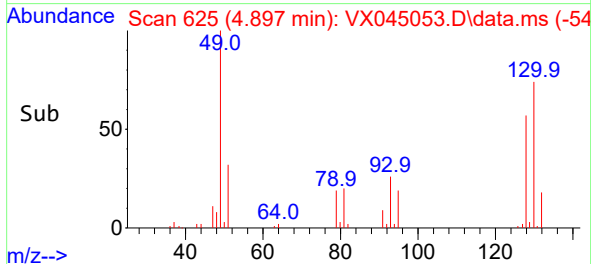
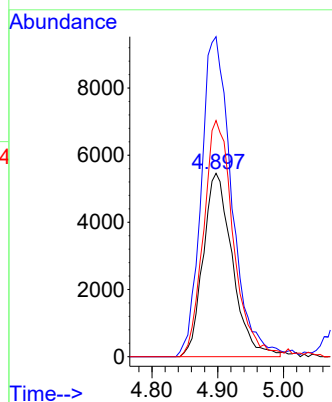


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :

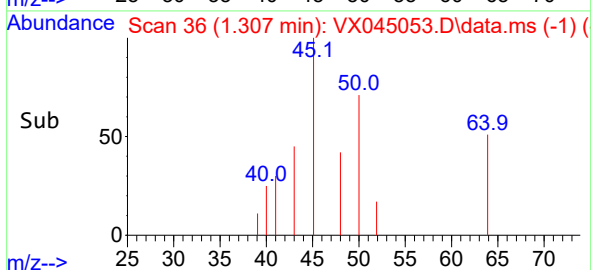
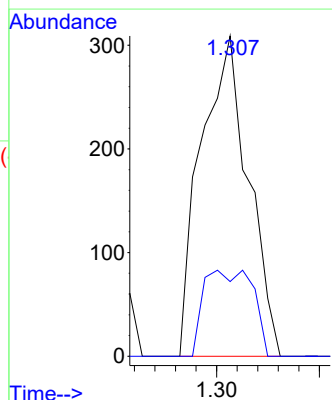
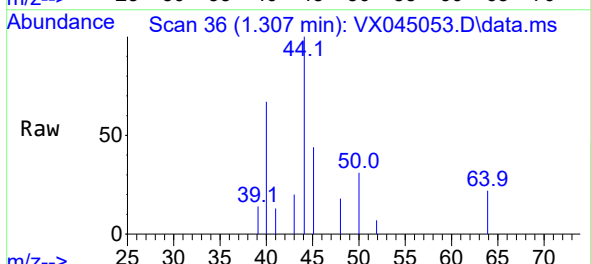


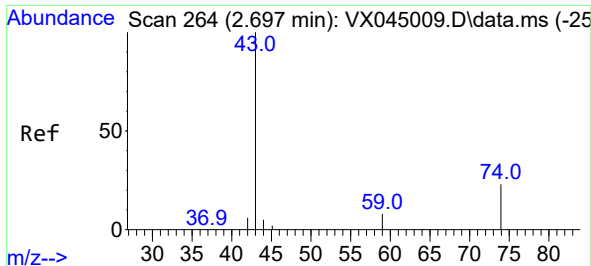
Tgt Ion:128 Resp: 16856
Ion Ratio Lower Upper
128 100
49 180.0 0.0 449.7
130 130.7 0.0 312.7



#3
Chloromethane
Concen: 0.29 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.012 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

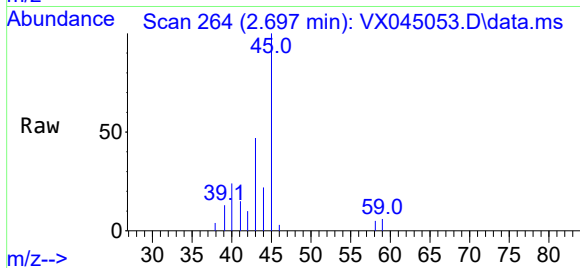
Tgt Ion: 50 Resp: 493
Ion Ratio Lower Upper
50 100
52 23.3 25.7 38.5#



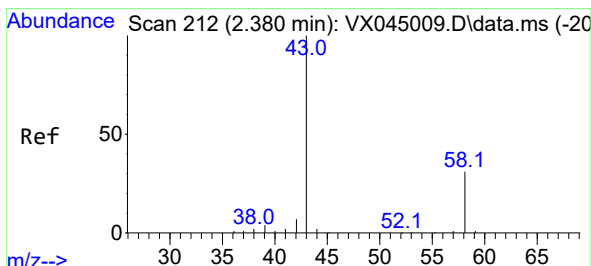
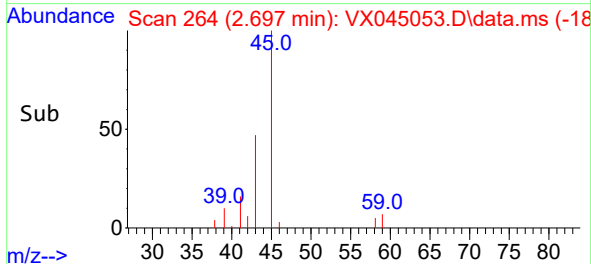
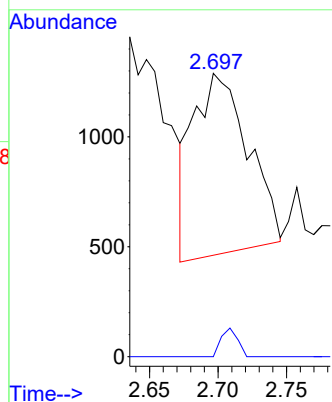


#12
Methyl Acetate
Concen: 1.55 ug/l
RT: 2.697 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :

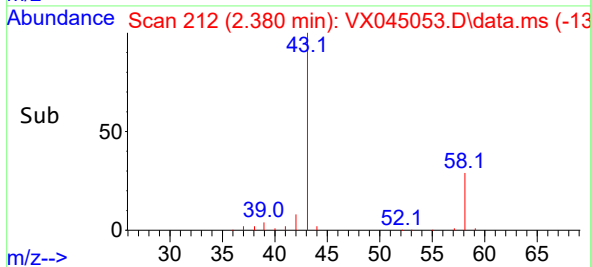
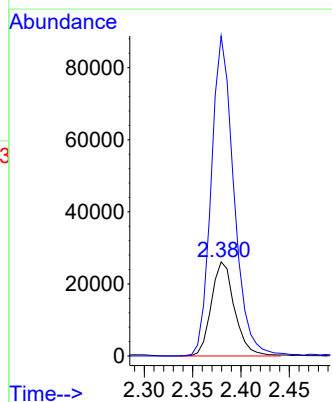
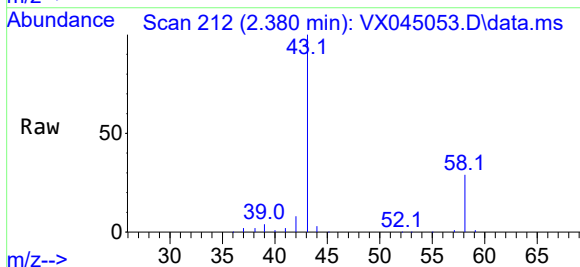


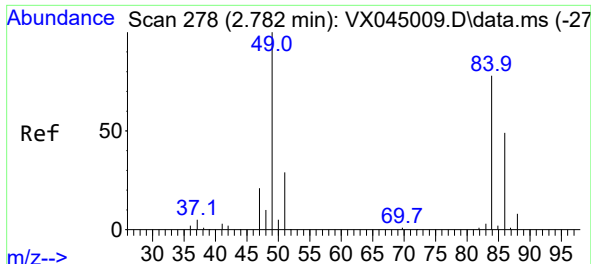
Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#15
Acetone
Concen: 219.42 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 58 Resp: 43707
Ion Ratio Lower Upper
58 100
43 340.1 258.6 388.0

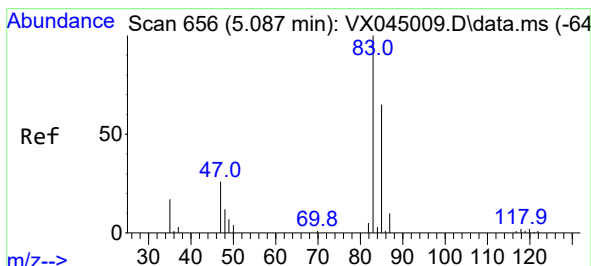
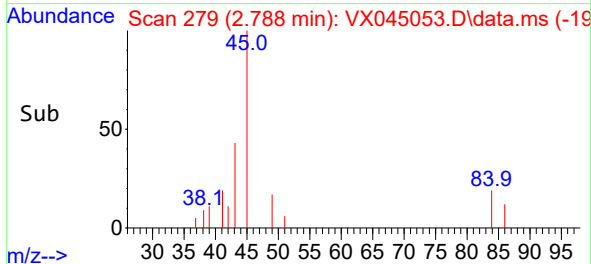
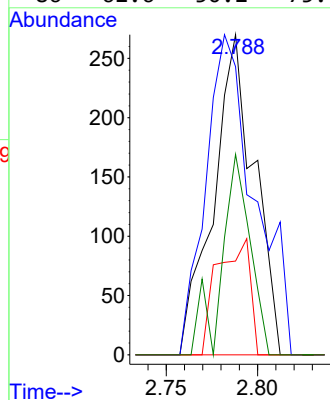
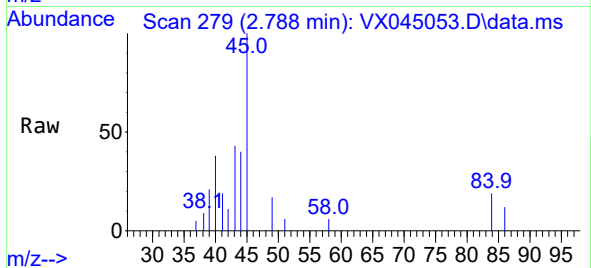




#18
Methylene Chloride
Concen: 0.29 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

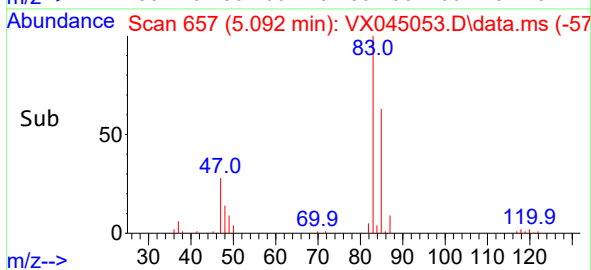
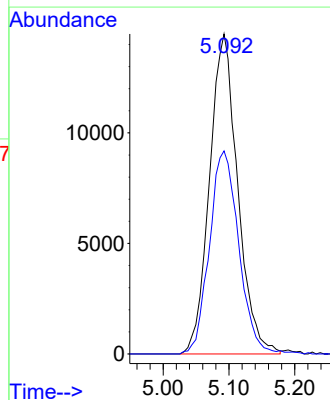
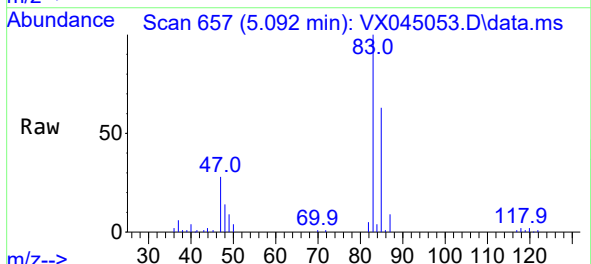
Instrument :
MSVOA_X
ClientSampleId :

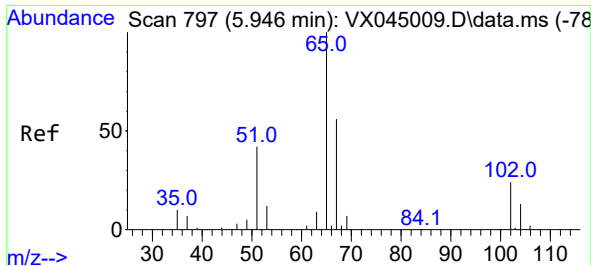
Tgt Ion: 84 Resp: 421
Ion Ratio Lower Upper
84 100
49 90.0 102.8 154.2#
51 29.3 30.1 45.1#
86 62.6 50.2 75.4



#25
Chloroform
Concen: 17.47 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 83 Resp: 43191
Ion Ratio Lower Upper
83 100
85 63.4 51.7 77.5

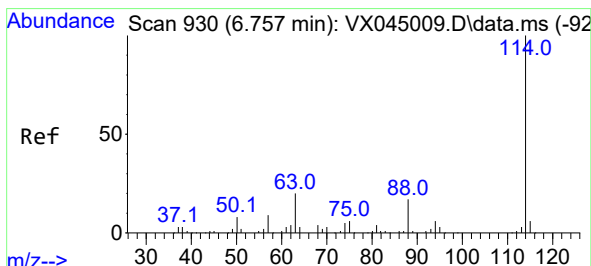
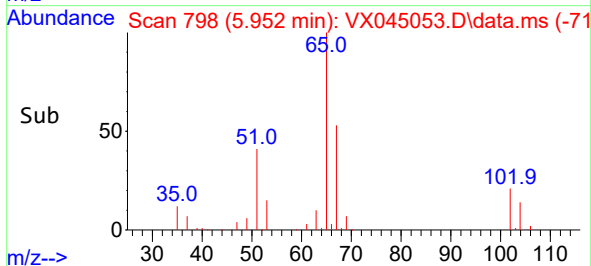
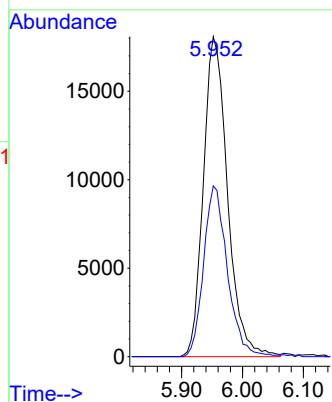
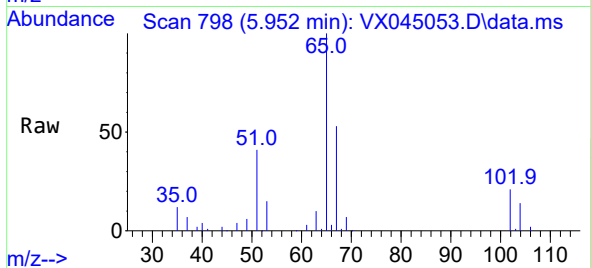




#27
 1,2-Dichloroethane-d4
 Concen: 30.41 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX045053.D
 Acq: 26 Feb 2025 13:52

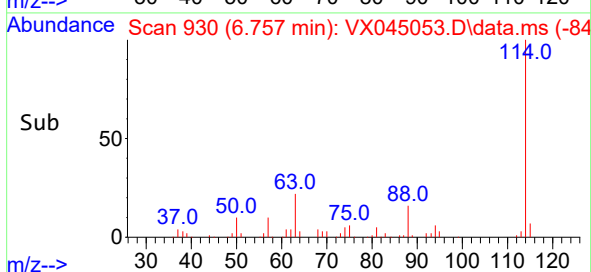
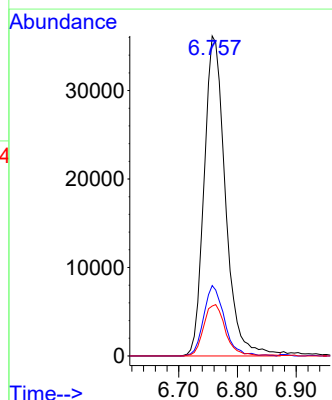
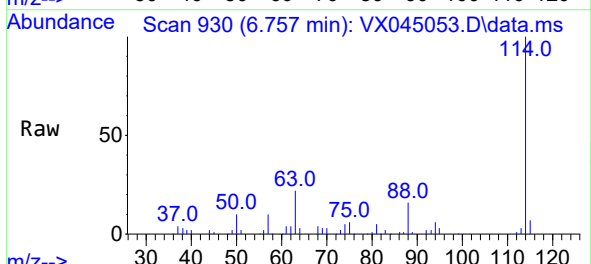
Instrument :
 MSVOA_X
 ClientSampleId :

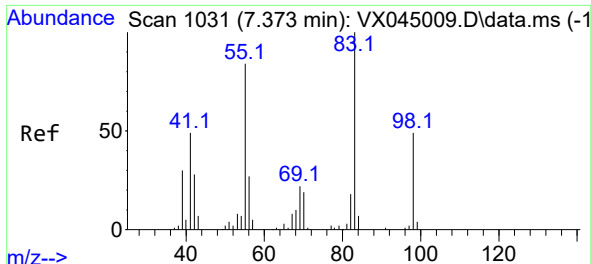
Tgt Ion: 65 Resp: 49789
 Ion Ratio Lower Upper
 65 100
 67 52.5 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045053.D
 Acq: 26 Feb 2025 13:52

Tgt Ion: 114 Resp: 90840
 Ion Ratio Lower Upper
 114 100
 63 21.1 16.8 25.2
 88 16.4 12.7 19.1





#38

Methylcyclohexane

Concen: 3.76 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.451 min

Lab File: VX045053.D

Acq: 26 Feb 2025 13:52

Instrument :

MSVOA_X

ClientSampleId :

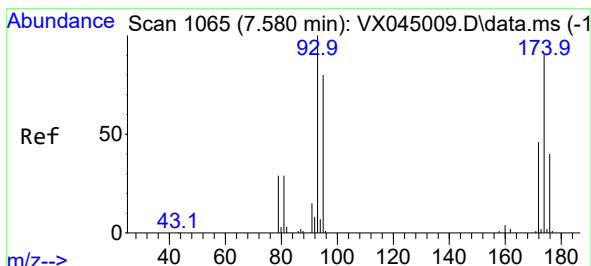
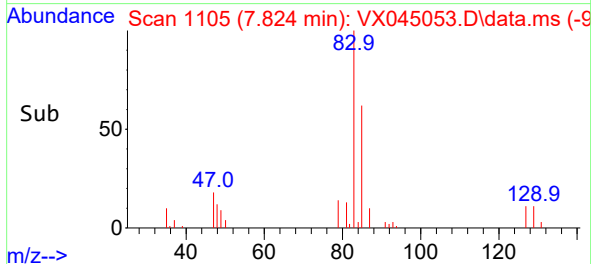
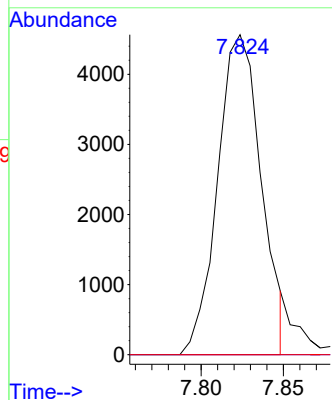
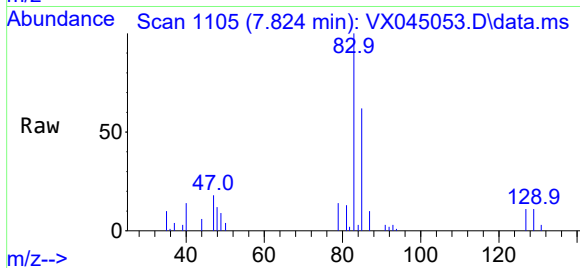
Tgt Ion: 83 Resp: 8428

Ion Ratio Lower Upper

83 100

55 0.0 40.6 122.0#

98 0.0 24.9 74.6#



#40

Dibromomethane

Concen: 0.25 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.244 min

Lab File: VX045053.D

Acq: 26 Feb 2025 13:52

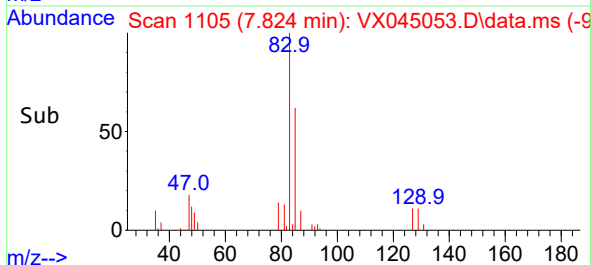
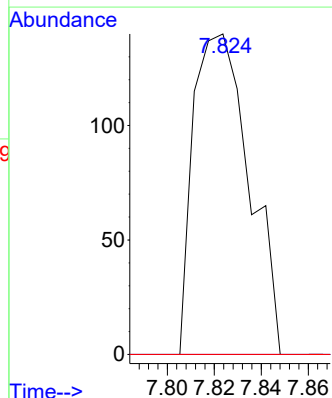
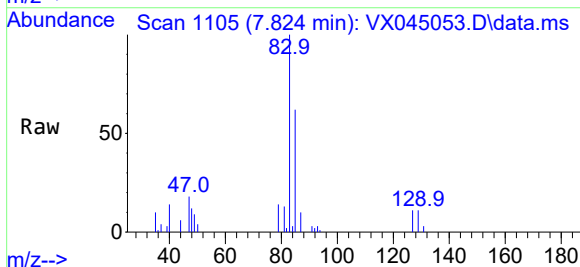
Tgt Ion: 93 Resp: 232

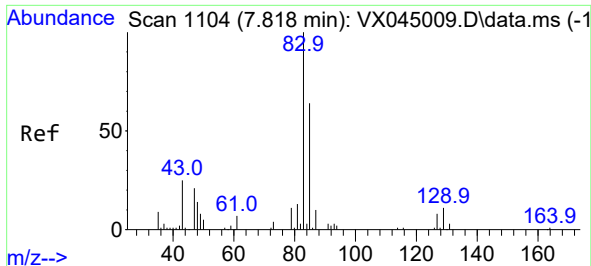
Ion Ratio Lower Upper

93 100

95 0.0 0.0 162.6

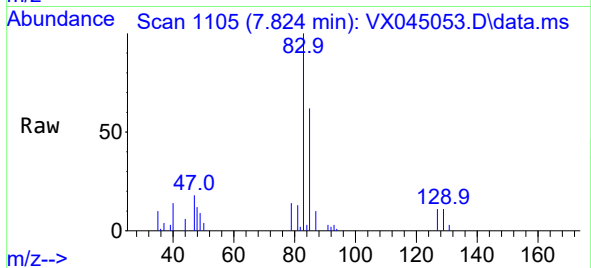
174 0.0 0.0 178.8



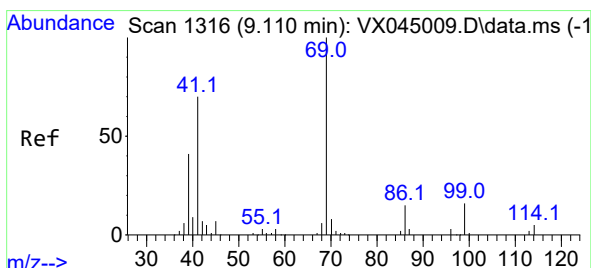
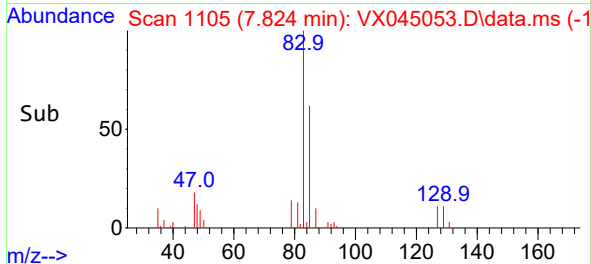
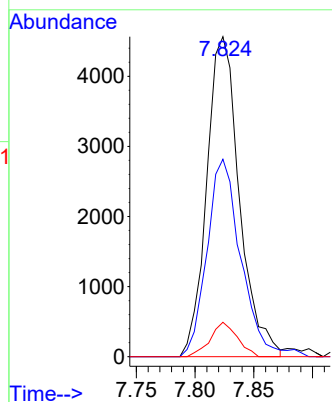


#41
Bromodichloromethane
Concen: 4.76 ug/l
RT: 7.824 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :

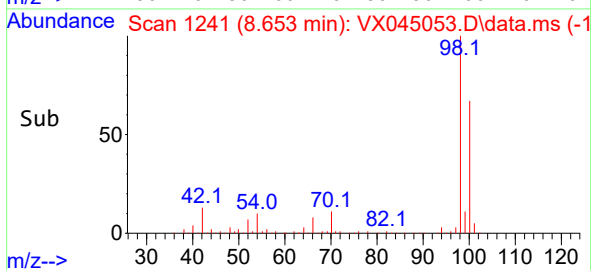
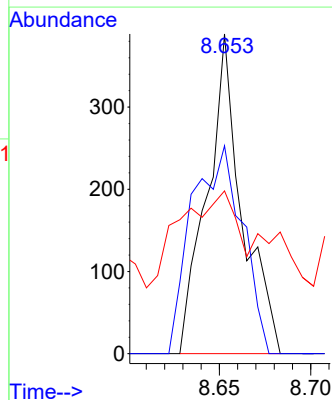
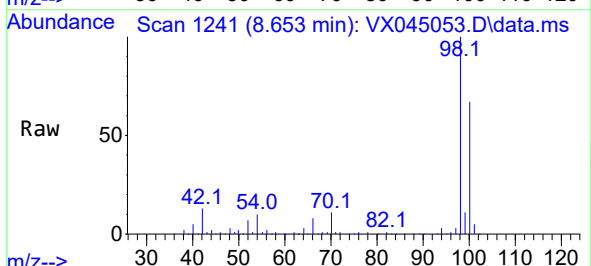


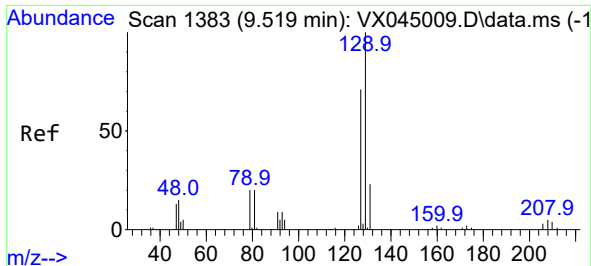
Tgt Ion: 83 Resp: 8841
Ion Ratio Lower Upper
83 100
85 61.7 51.0 76.6
127 10.7 6.1 9.1#



#51
Ethyl methacrylate
Concen: 0.27 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.457 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 69 Resp: 516
Ion Ratio Lower Upper
69 100
41 65.0 35.1 105.3
39 12.9 20.5 61.6#

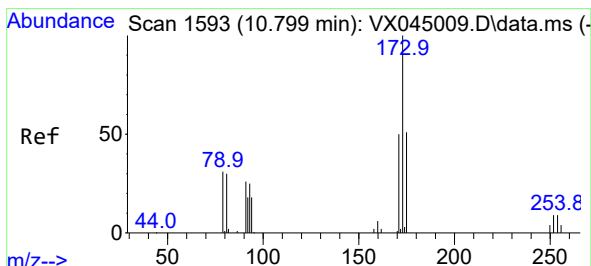
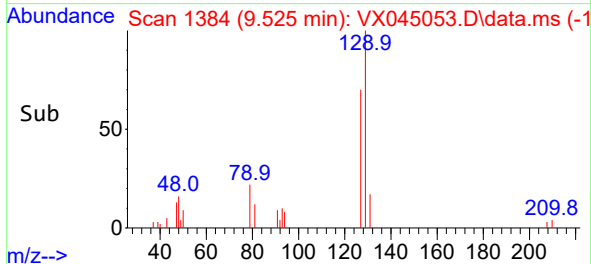
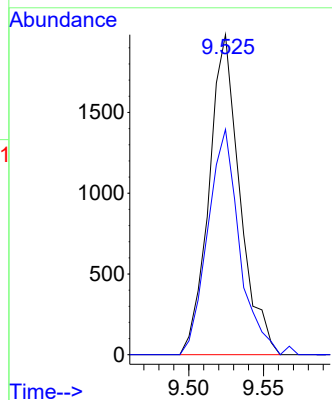
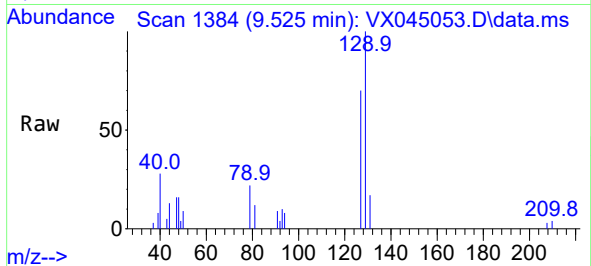




#53
Dibromochloromethane
Concen: 2.11 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

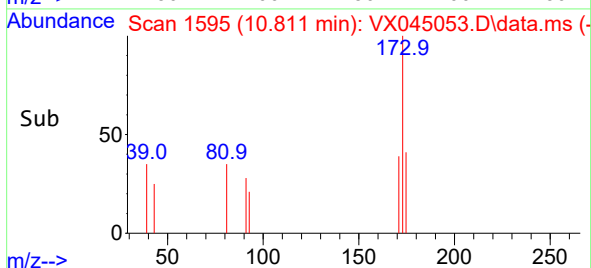
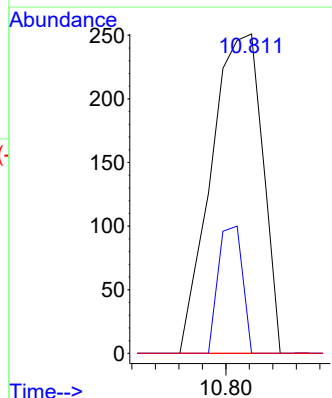
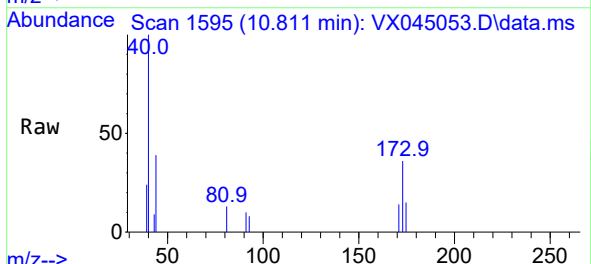
Instrument :
MSVOA_X
ClientSampleId :

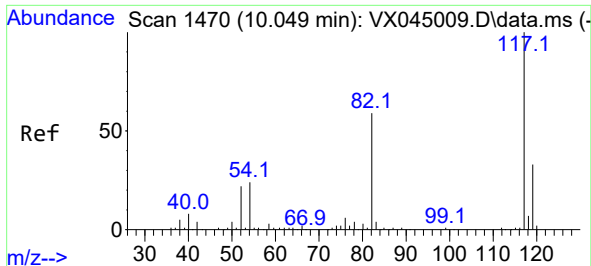
Tgt Ion:129 Resp: 2845
Ion Ratio Lower Upper
129 100
127 72.3 37.3 111.9



#56
Bromoform
Concen: 0.45 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. 0.012 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion:173 Resp: 381
Ion Ratio Lower Upper
173 100
175 18.9 39.6 59.4#
254 0.0 6.3 9.5#





#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045053.D

Acq: 26 Feb 2025 13:52

Instrument :

MSVOA_X

ClientSampleId :

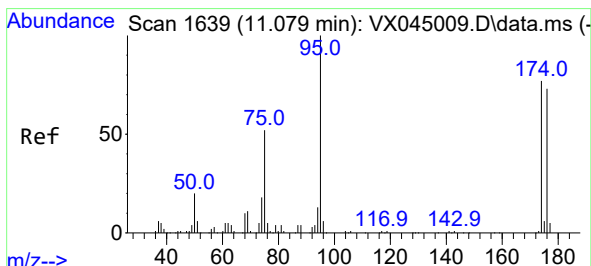
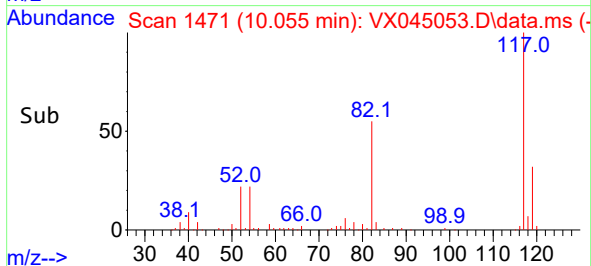
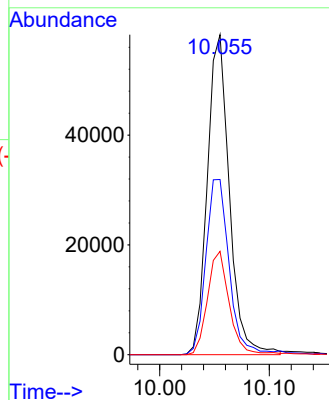
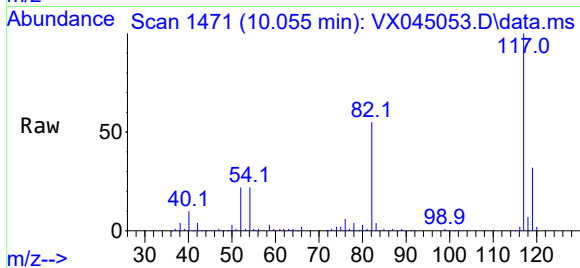
Tgt Ion:117 Resp: 81481

Ion Ratio Lower Upper

117 100

82 57.7 45.8 68.8

119 31.4 25.5 38.3



#60

4-Bromofluorobenzene

Concen: 28.81 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045053.D

Acq: 26 Feb 2025 13:52

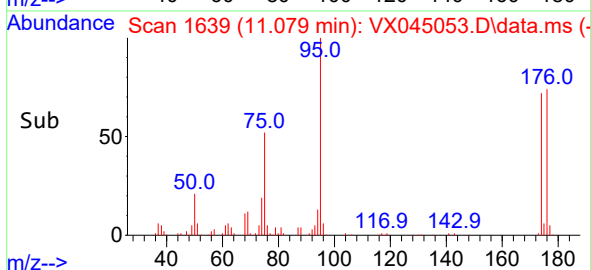
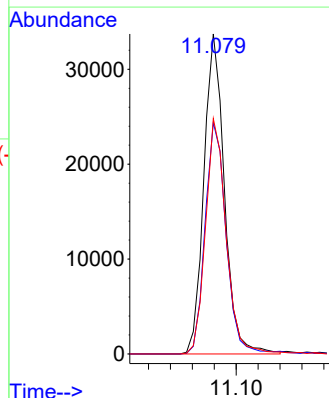
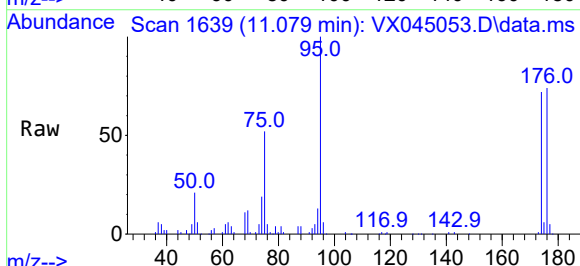
Tgt Ion: 95 Resp: 43874

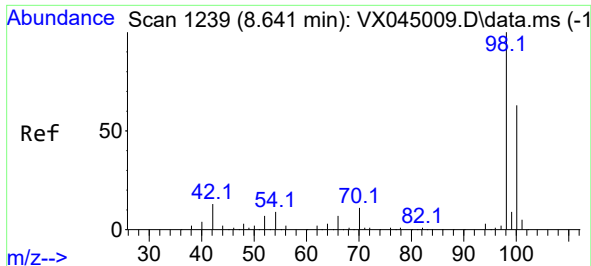
Ion Ratio Lower Upper

95 100

174 73.9 59.5 89.3

176 73.4 55.5 83.3

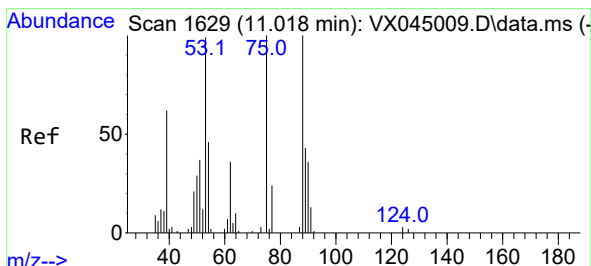
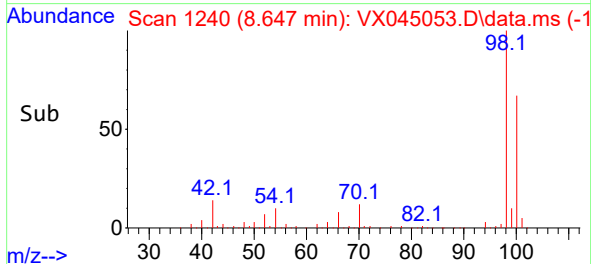
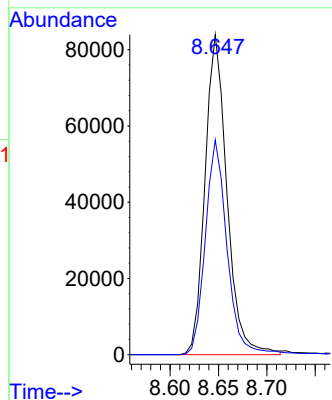
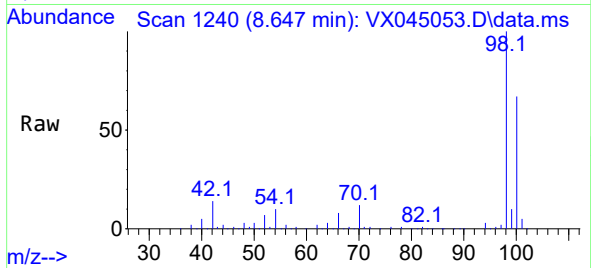




#63
Toluene-d8
Concen: 29.42 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 132636
Ion Ratio Lower Upper
98 100
100 66.5 51.7 77.5



#77
t-1,4-Dichloro-2-butene
Concen: 45.39 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 75 Resp: 23025
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

