

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045049.D
 Acq On : 26 Feb 2025 12:19
 Operator : JC/MD
 Sample : Q1417-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 26 12:45:56 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)

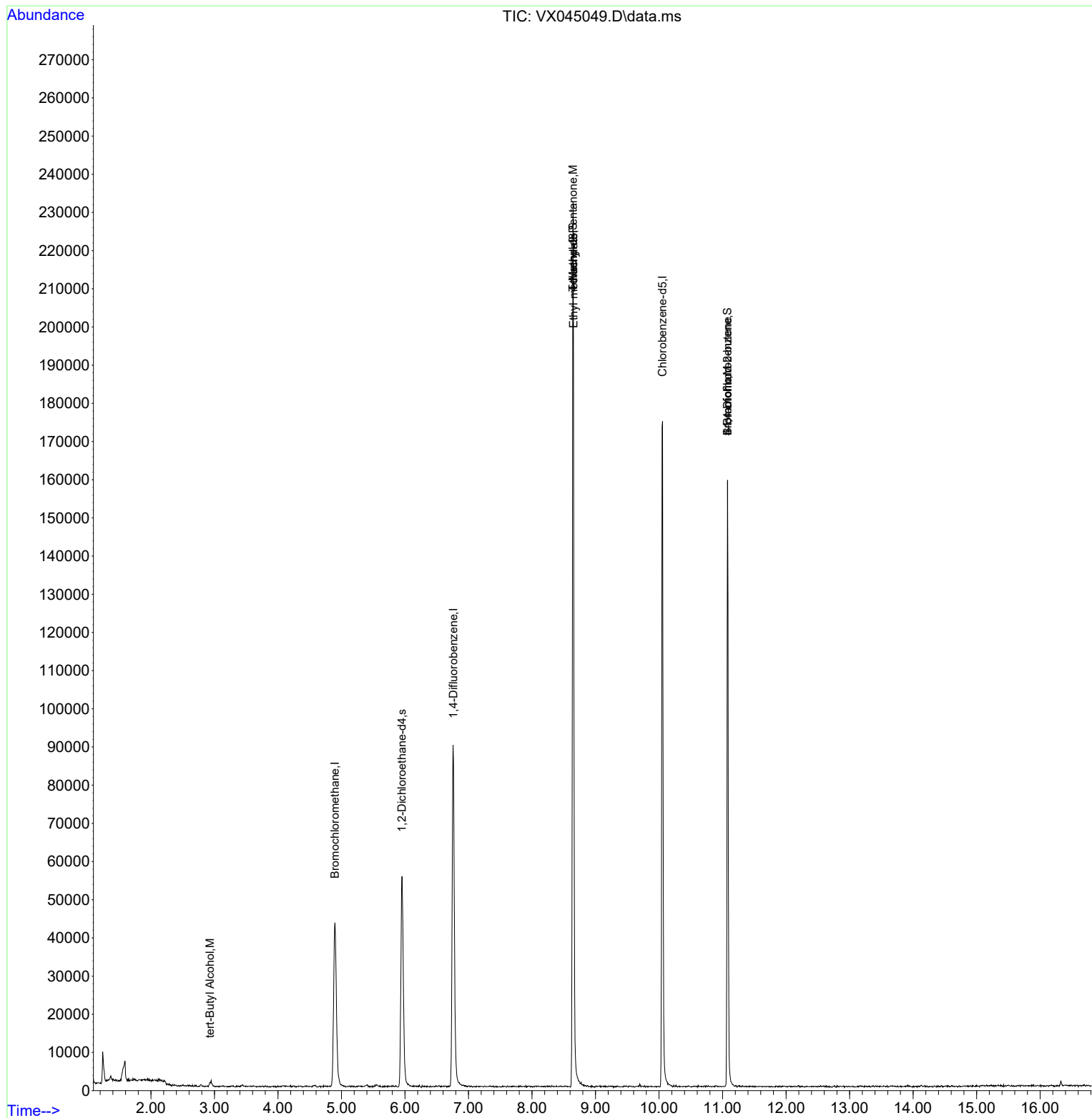
Internal Standards						
1) Bromochloromethane	4.897	128	18086	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	92687	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	82417	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	51894	29.54	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.47%
60) 4-Bromofluorobenzene	11.079	95	42670	27.70	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.33%
63) Toluene-d8	8.647	98	137789	30.22	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.73%
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	2.928	59	566	2.08	ug/l #	100
51) Ethyl methacrylate	8.653	69	441	0.23	ug/l	85
56) Bromoform	11.079	173	303	0.35	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	669	0.36	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	22377	43.61	ug/l #	10

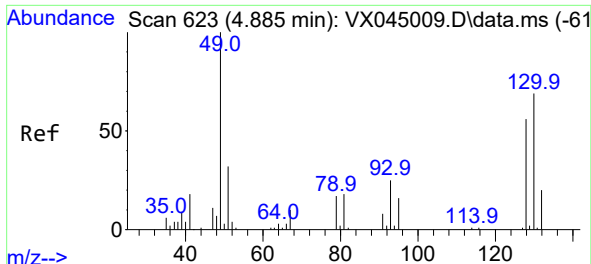
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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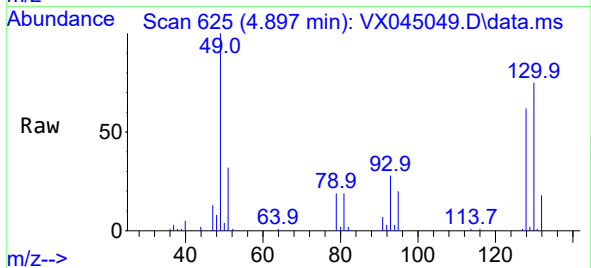
Quant Time: Feb 26 12:45:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration



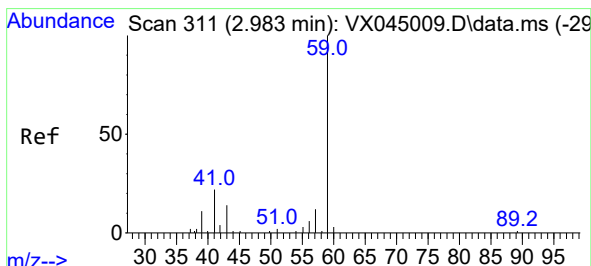
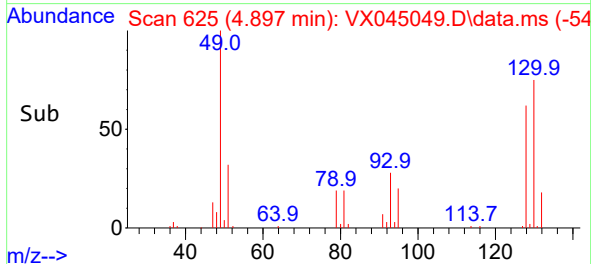
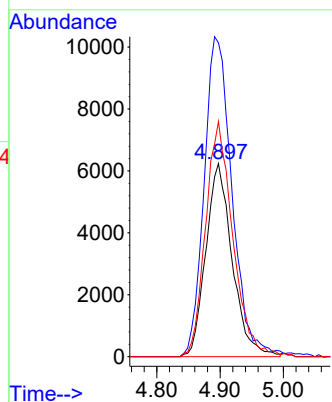


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :

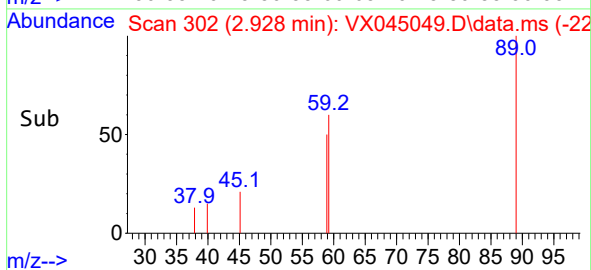
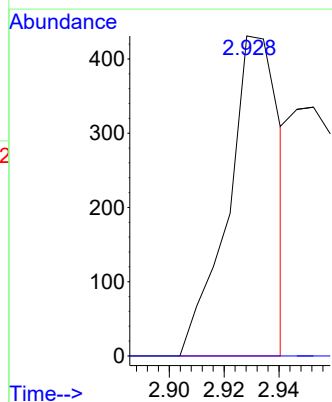
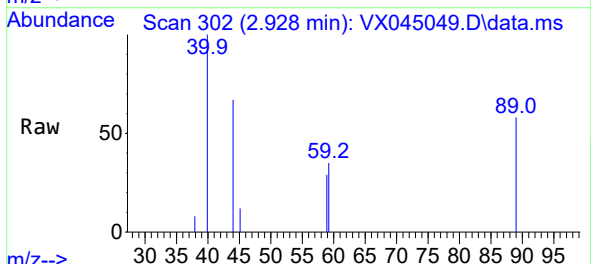


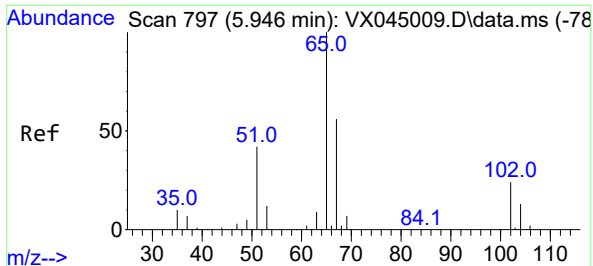
Tgt Ion:128 Resp: 18086
Ion Ratio Lower Upper
128 100
49 174.1 0.0 449.7
130 124.8 0.0 312.7



#23
tert-Butyl Alcohol
Concen: 2.08 ug/l
RT: 2.928 min Scan# 302
Delta R.T. -0.055 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

Tgt Ion: 59 Resp: 566
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

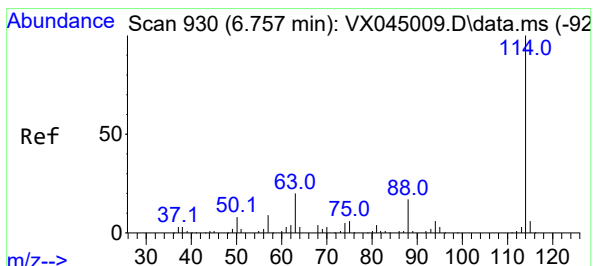
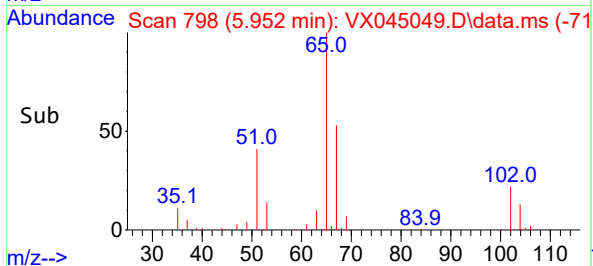
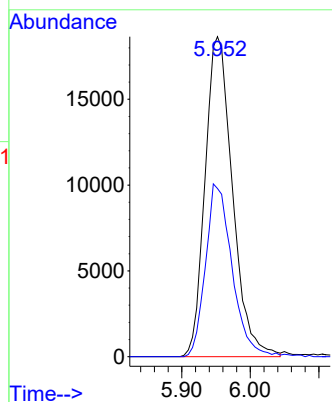
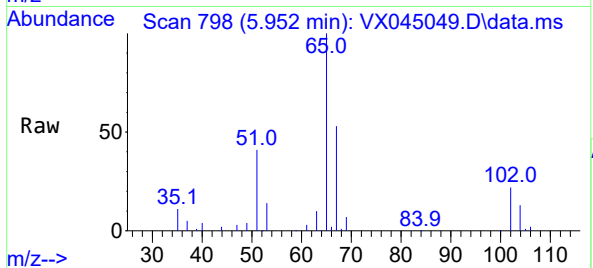




#27
1,2-Dichloroethane-d4
Concen: 29.54 ug/l
RT: 5.952 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

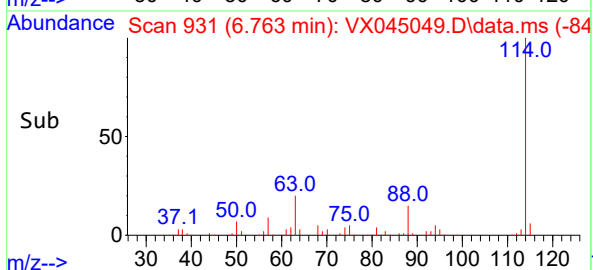
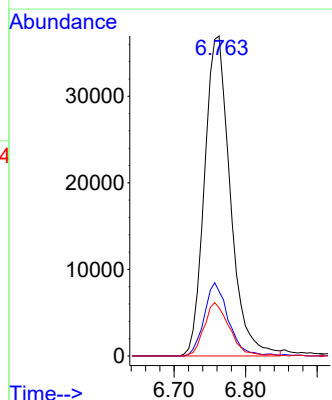
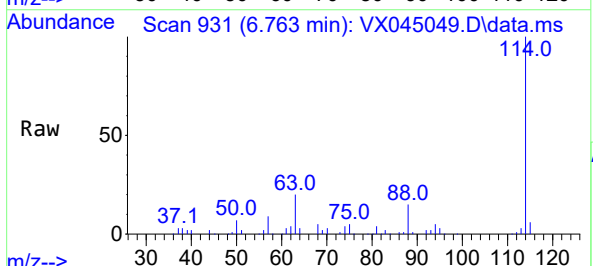
Instrument :
MSVOA_X
ClientSampleId :

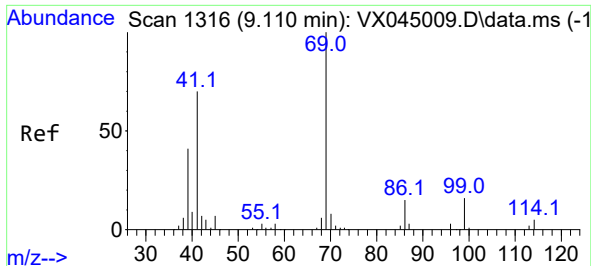
Tgt Ion: 65 Resp: 51894
Ion Ratio Lower Upper
65 100
67 52.1 42.6 64.0



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

Tgt Ion: 114 Resp: 92687
Ion Ratio Lower Upper
114 100
63 21.3 16.8 25.2
88 16.2 12.7 19.1

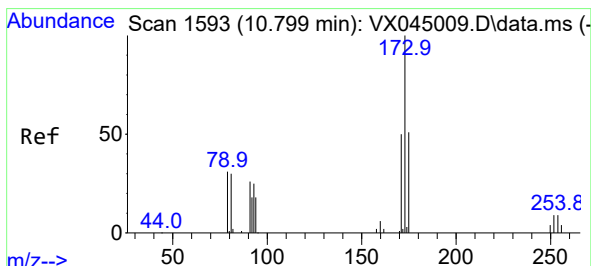
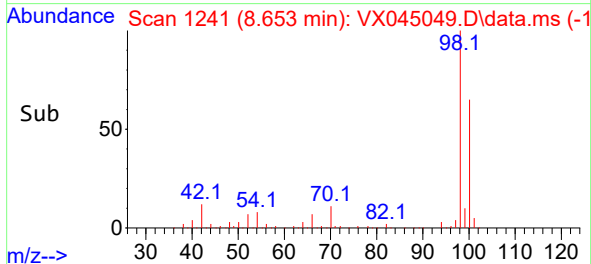
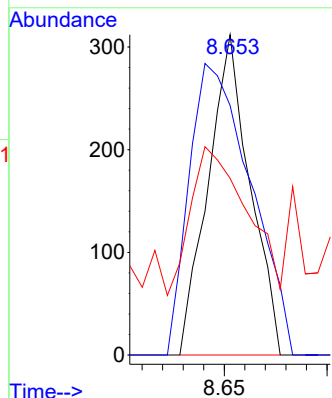
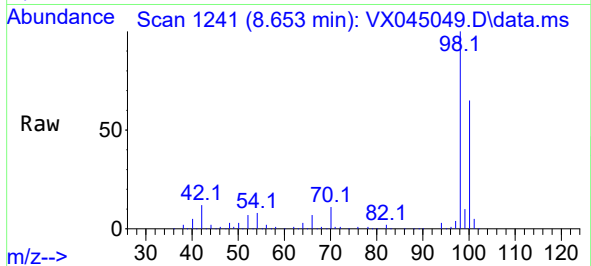




#51
Ethyl methacrylate
Concen: 0.23 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.457 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

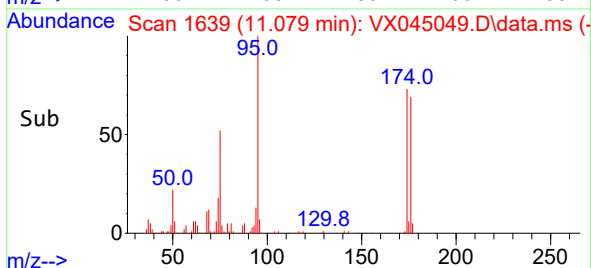
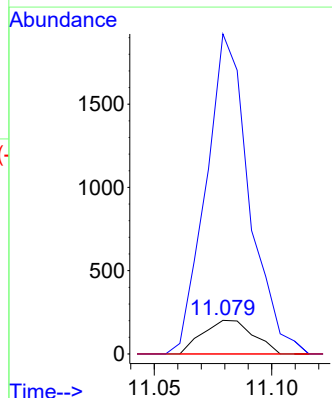
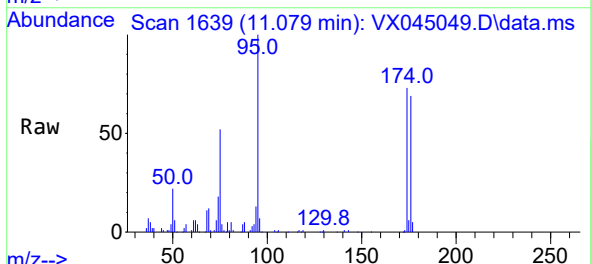
Instrument :
MSVOA_X
ClientSampleId :

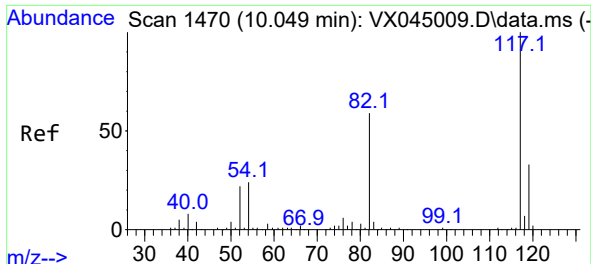
Tgt Ion: 69 Resp: 441
Ion Ratio Lower Upper
69 100
41 56.1 35.1 105.3
39 34.6 20.5 61.6



#56
Bromoform
Concen: 0.35 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

Tgt Ion:173 Resp: 303
Ion Ratio Lower Upper
173 100
175 816.8 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: VX045049.D

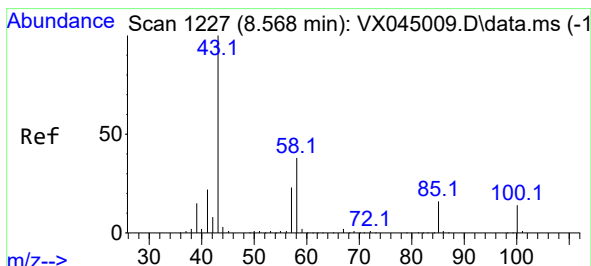
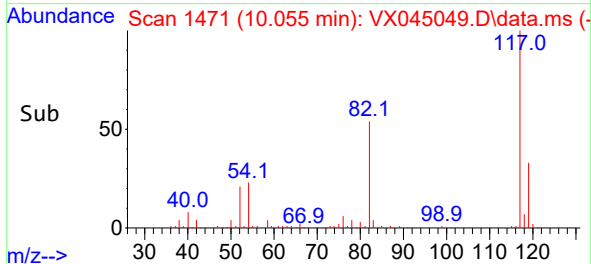
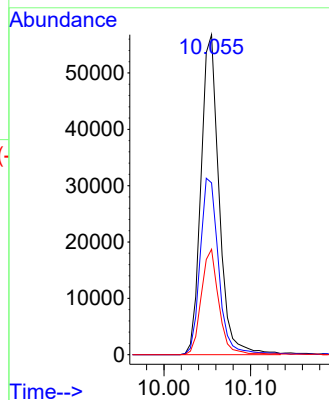
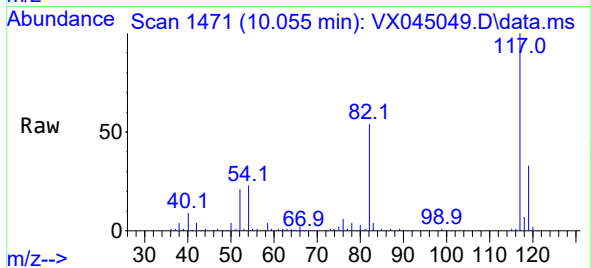
Acq: 26 Feb 2025 12:19

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	117	Resp:	82417
Ion Ratio	Lower	Upper	
117	100		
82	56.5	45.8	68.8
119	31.7	25.5	38.3



#58

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

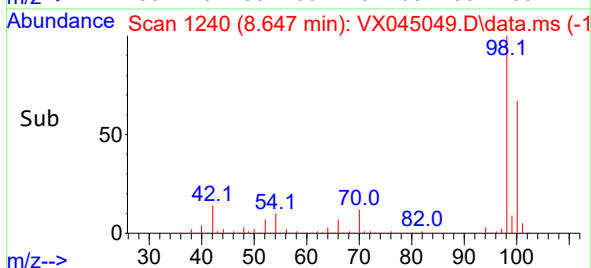
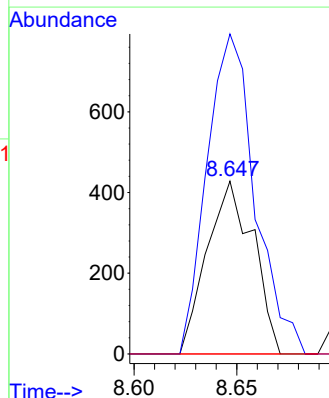
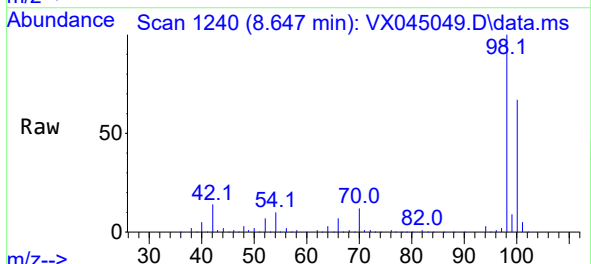
RT: 8.647 min Scan# 1240

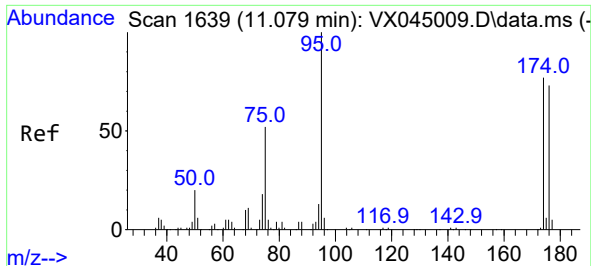
Delta R.T. 0.079 min

Lab File: VX045049.D

Acq: 26 Feb 2025 12:19

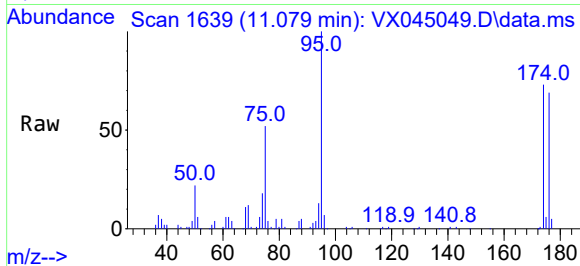
Tgt Ion:	43	Resp:	669
Ion Ratio	Lower	Upper	
43	100		
58	193.0	29.5	44.3#
85	0.0	12.9	19.3#



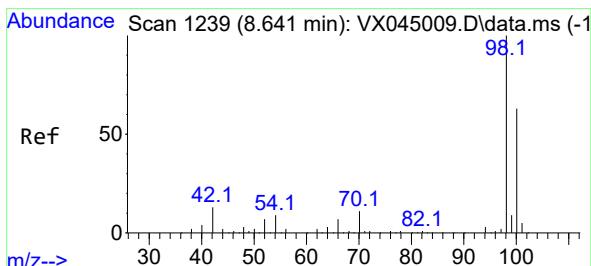
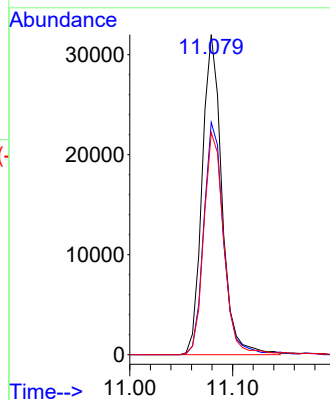
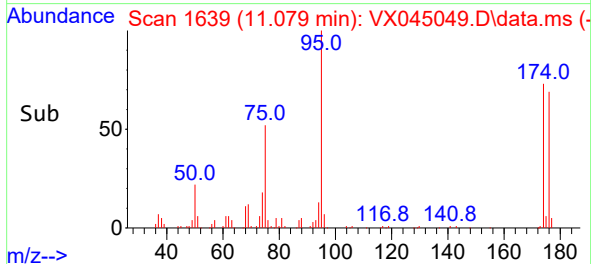


#60
4-Bromofluorobenzene
Concen: 27.70 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :

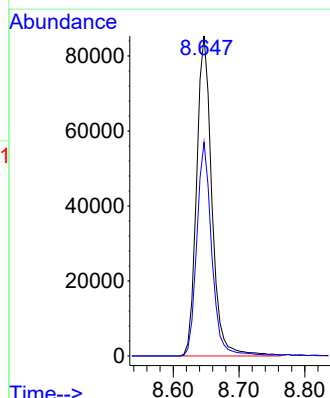
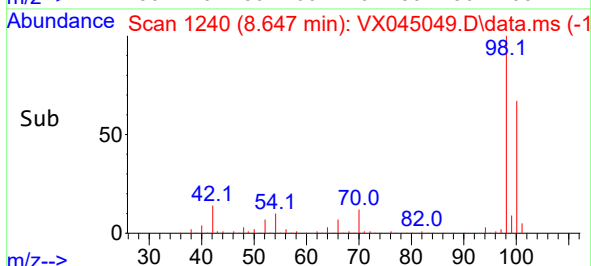
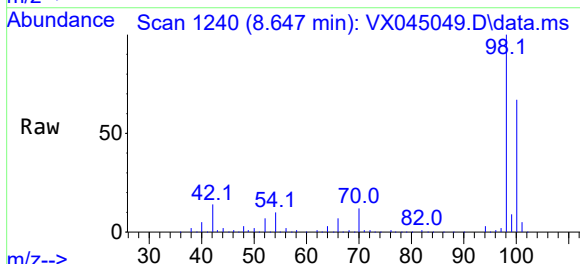


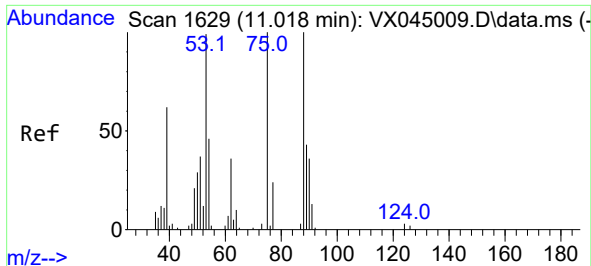
Tgt Ion: 95 Resp: 42670
Ion Ratio Lower Upper
95 100
174 72.7 59.5 89.3
176 69.5 55.5 83.3



#63
Toluene-d8
Concen: 30.22 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

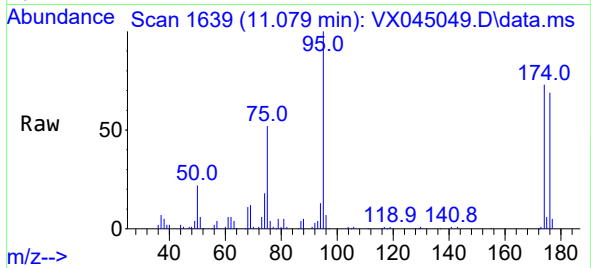
Tgt Ion: 98 Resp: 137789
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5





#77
t-1,4-Dichloro-2-butene
Concen: 43.61 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 22377
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

