

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045048.D
 Acq On : 26 Feb 2025 11:56
 Operator : JC/MD
 Sample : Q1417-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 26 12:22:36 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)

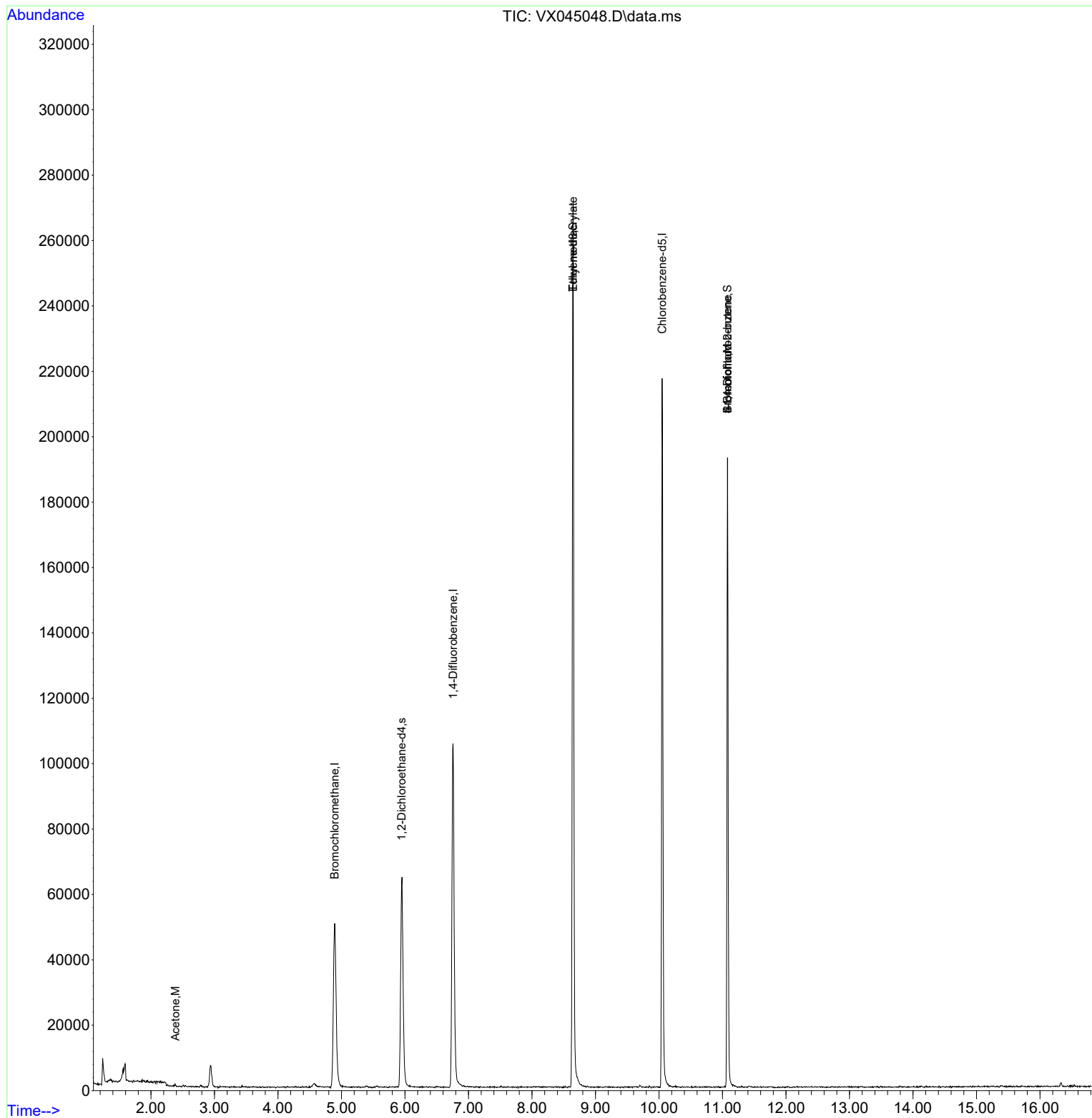
Internal Standards						
1) Bromochloromethane	4.891	128	20767	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	109318	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	97239	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	59135	29.32	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.73%	
60) 4-Bromofluorobenzene	11.079	95	50697	27.89	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	92.97%	
63) Toluene-d8	8.647	98	161874	30.09	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.30%	
Target Compounds						Qvalue
15) Acetone	2.386	58	82	0.33	ug/l #	1
51) Ethyl methacrylate	8.647	69	472	0.20	ug/l	78
56) Bromoform	11.079	173	430	0.42	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26749	44.18	ug/l #	10

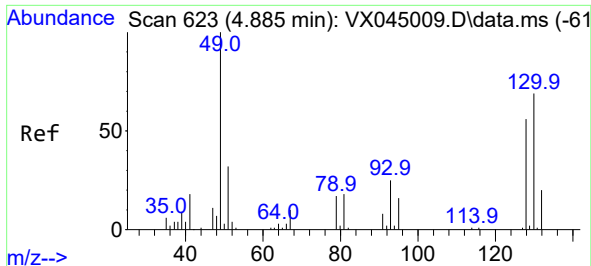
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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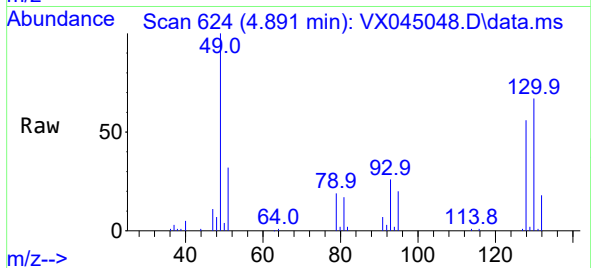
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration



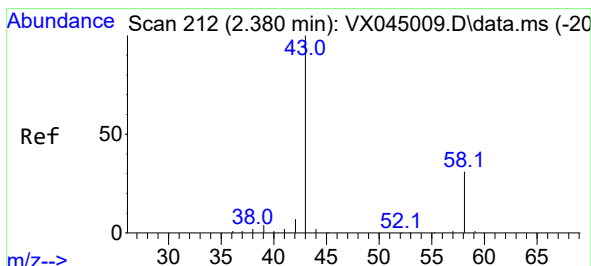
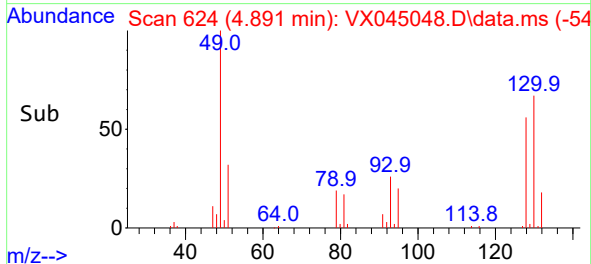
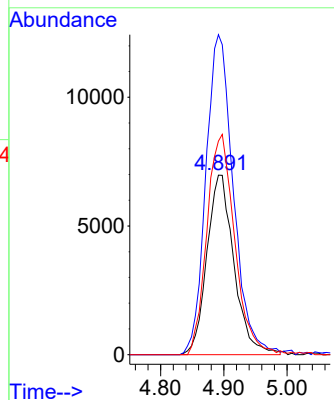


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045048.D
Acq: 26 Feb 2025 11:56

Instrument :
MSVOA_X
ClientSampleId :

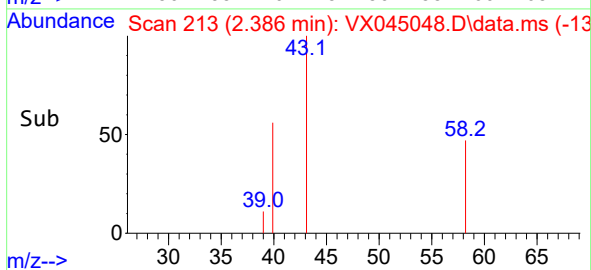
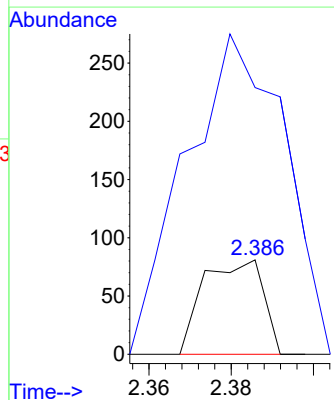
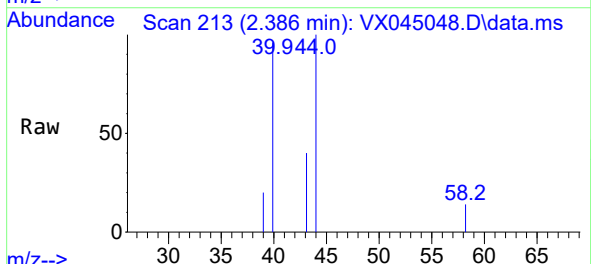


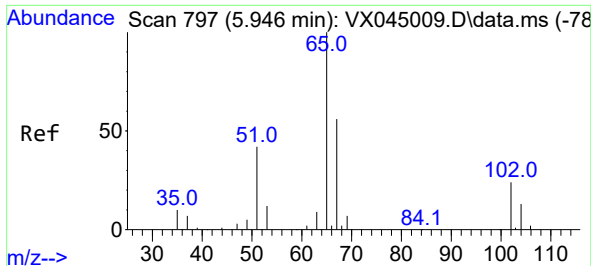
Tgt Ion:128 Resp: 20767
Ion Ratio Lower Upper
128 100
49 179.5 0.0 449.7
130 125.8 0.0 312.7



#15
Acetone
Concen: 0.33 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045048.D
Acq: 26 Feb 2025 11:56

Tgt Ion: 58 Resp: 82
Ion Ratio Lower Upper
58 100
43 70.4 258.6 388.0#

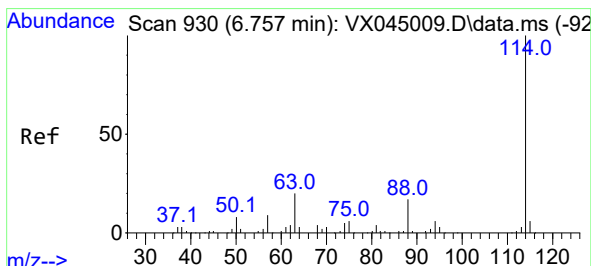
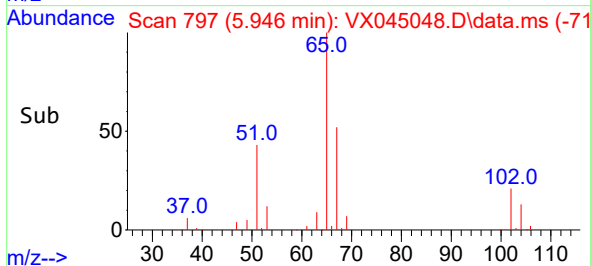
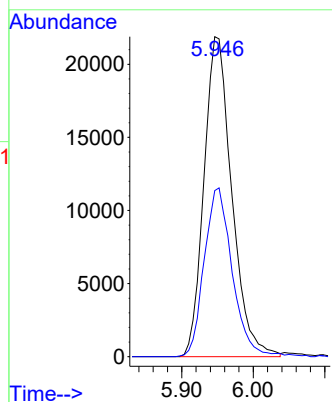
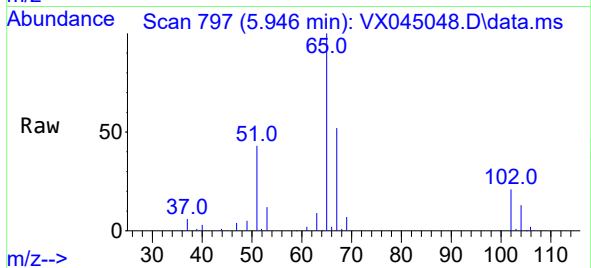




#27
1,2-Dichloroethane-d4
Concen: 29.32 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX045048.D
Acq: 26 Feb 2025 11:56

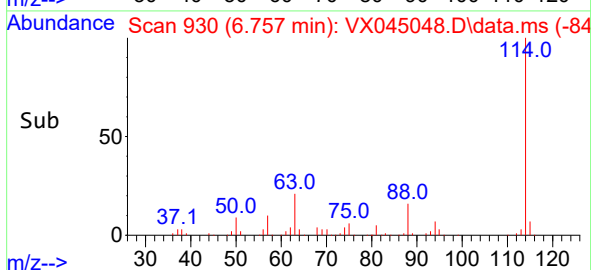
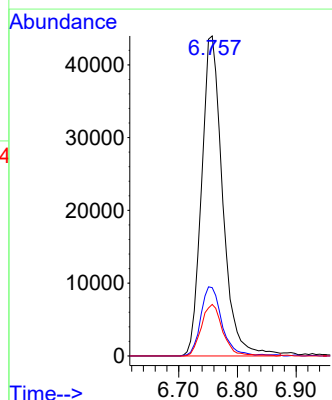
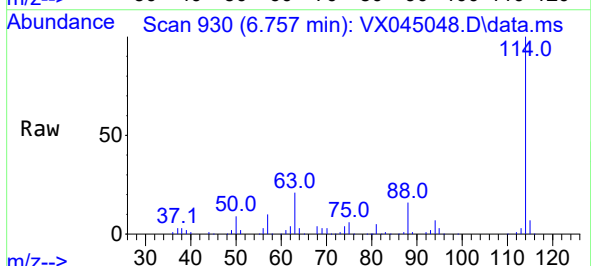
Instrument :
MSVOA_X
ClientSampleId :

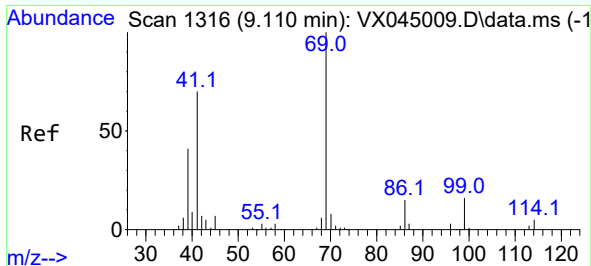
Tgt Ion: 65 Resp: 59135
Ion Ratio Lower Upper
65 100
67 52.6 42.6 64.0



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045048.D
Acq: 26 Feb 2025 11:56

Tgt Ion: 114 Resp: 109318
Ion Ratio Lower Upper
114 100
63 21.6 16.8 25.2
88 16.3 12.7 19.1

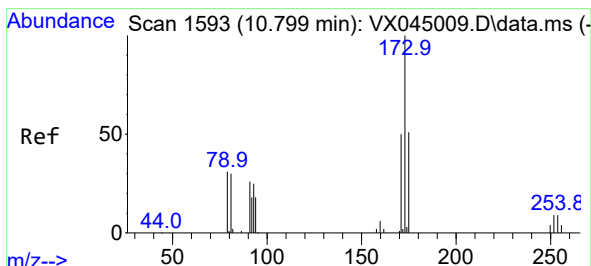
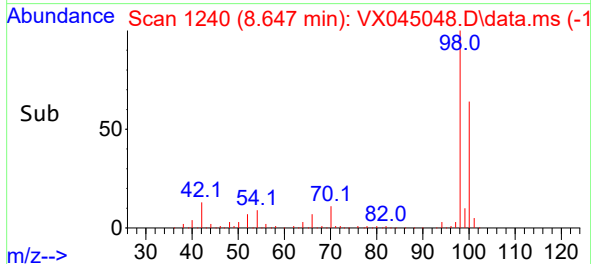
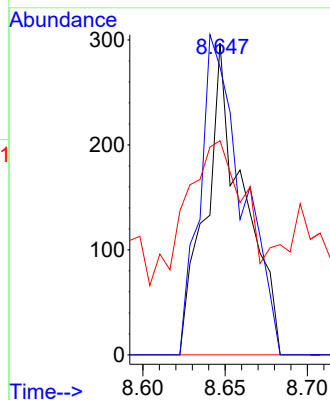
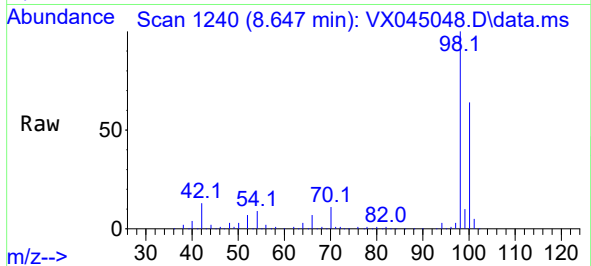




#51
Ethyl methacrylate
Concen: 0.20 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX045048.D
Acq: 26 Feb 2025 11:56

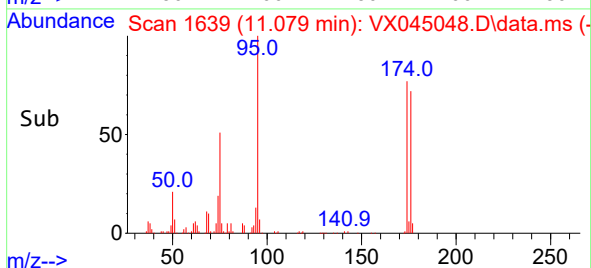
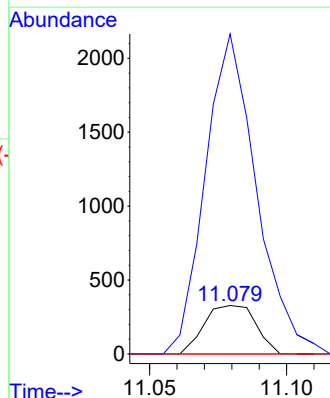
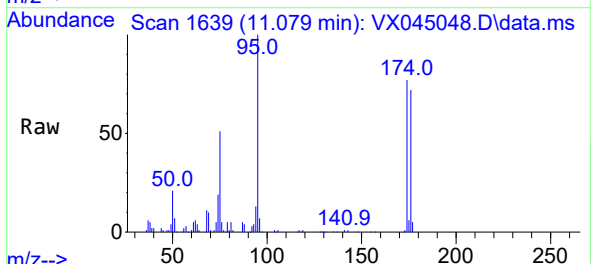
Instrument :
MSVOA_X
ClientSampleId :

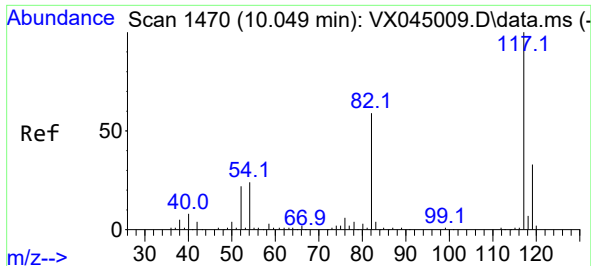
Tgt Ion: 69 Resp: 472
Ion Ratio Lower Upper
69 100
41 92.3 35.1 105.3
39 33.3 20.5 61.6



#56
Bromoform
Concen: 0.42 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX045048.D
Acq: 26 Feb 2025 11:56

Tgt Ion: 173 Resp: 430
Ion Ratio Lower Upper
173 100
175 654.0 39.6 59.4#
254 0.0 6.3 9.5#





#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045048.D

Acq: 26 Feb 2025 11:56

Instrument :

MSVOA_X

ClientSampleId :

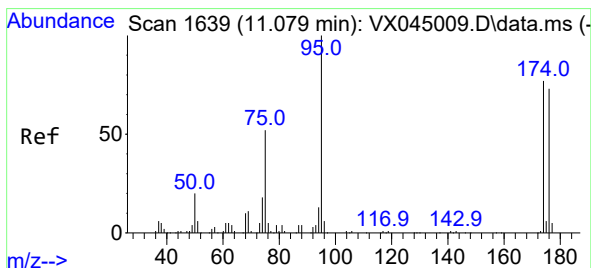
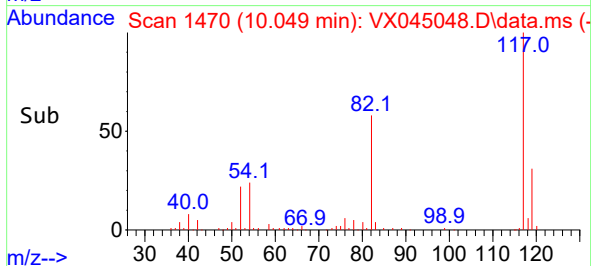
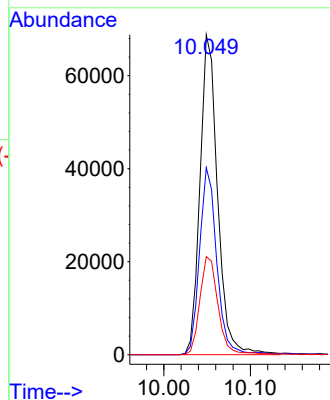
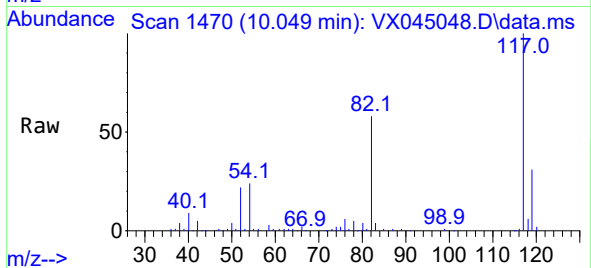
Tgt Ion:117 Resp: 97239

Ion Ratio Lower Upper

117 100

82 56.5 45.8 68.8

119 31.8 25.5 38.3



#60

4-Bromofluorobenzene

Concen: 27.89 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045048.D

Acq: 26 Feb 2025 11:56

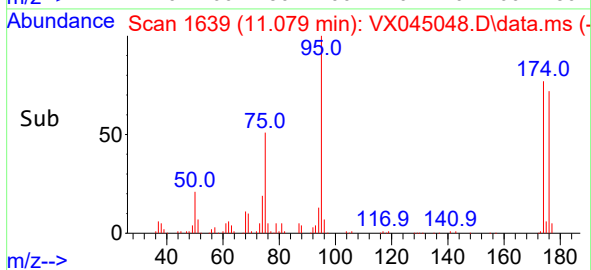
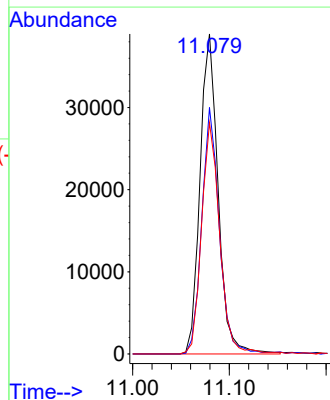
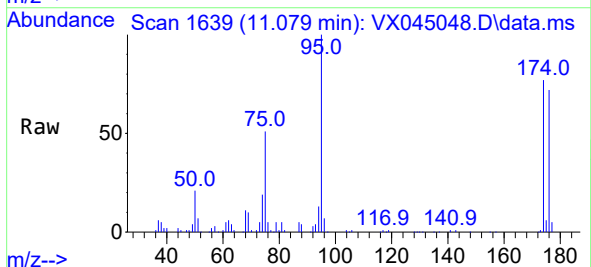
Tgt Ion: 95 Resp: 50697

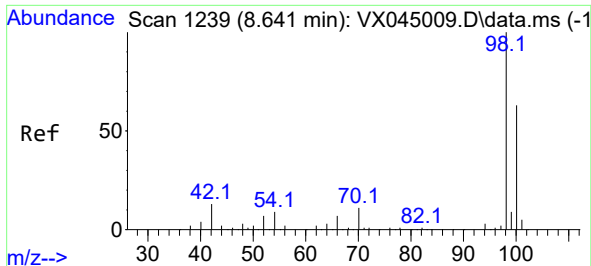
Ion Ratio Lower Upper

95 100

174 74.5 59.5 89.3

176 72.3 55.5 83.3

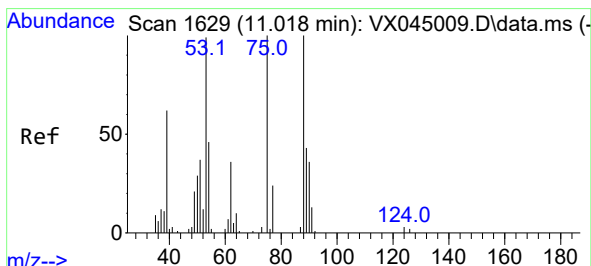
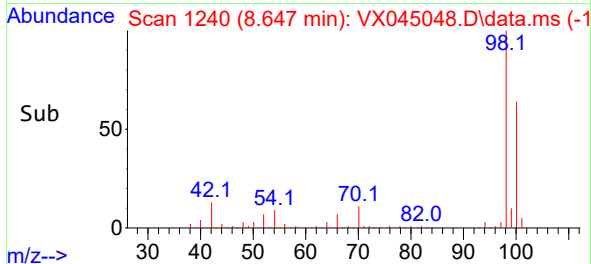
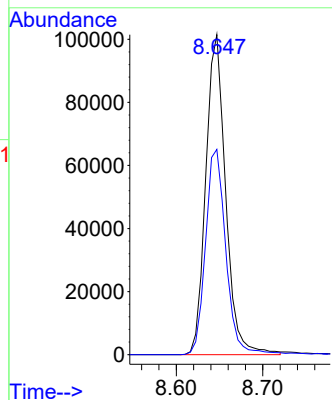
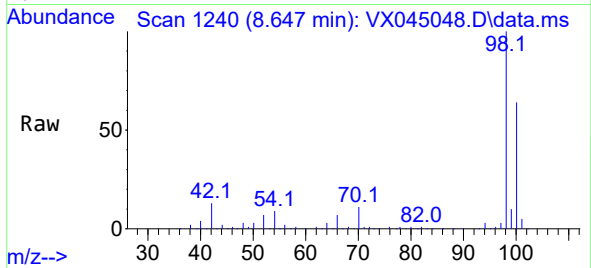




#63
Toluene-d8
Concen: 30.09 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045048.D
Acq: 26 Feb 2025 11:56

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 161874
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#77
t-1,4-Dichloro-2-butene
Concen: 44.18 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045048.D
Acq: 26 Feb 2025 11:56

Tgt Ion: 75 Resp: 26749
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

