

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045047.D
 Acq On : 26 Feb 2025 11:26
 Operator : JC/MD
 Sample : VX0226WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0226WBL01

Quant Time: Feb 27 05:12:46 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)

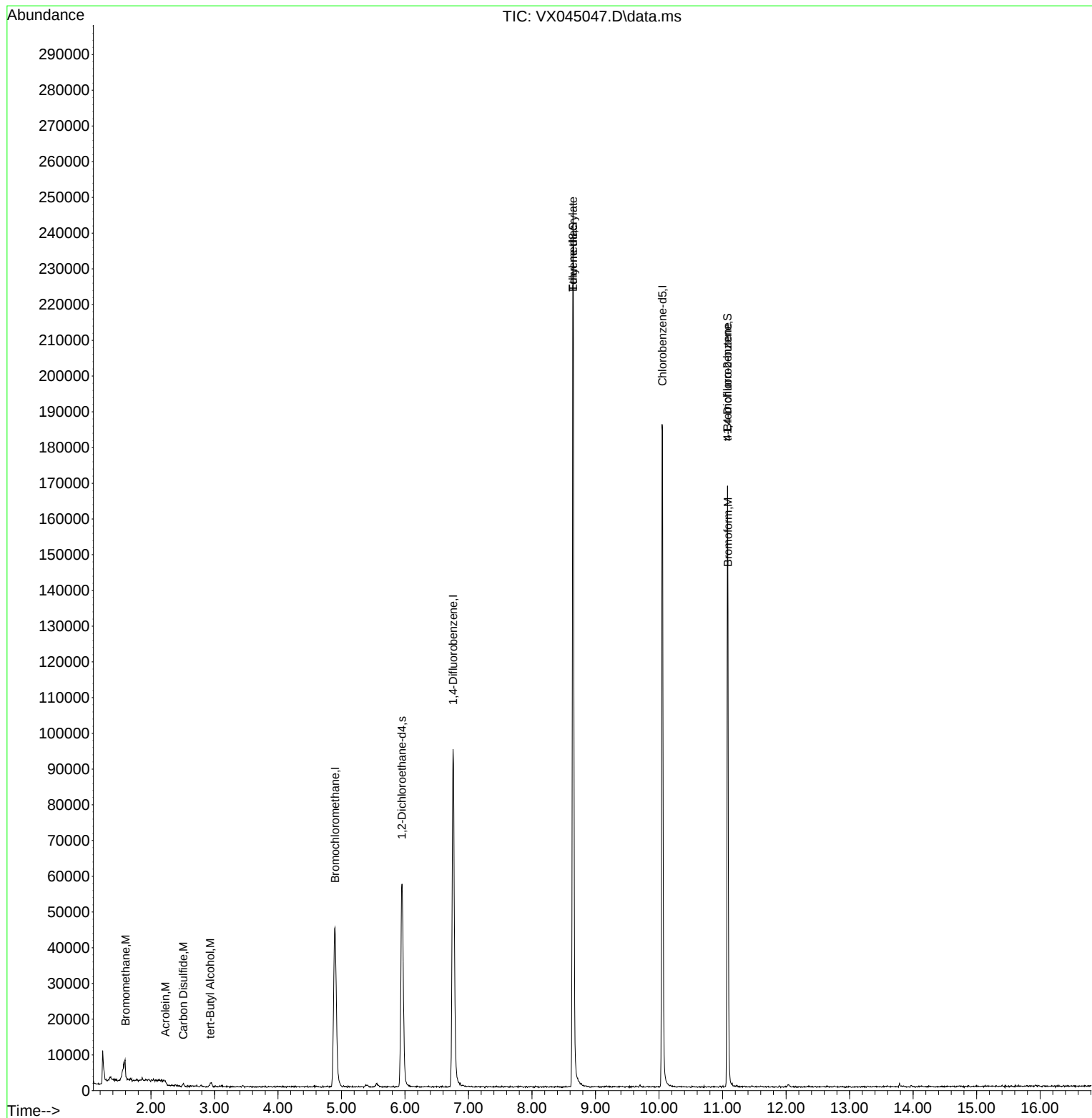
Internal Standards						
1) Bromochloromethane	4.898	128	18408	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	98459	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	88243	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	54410	30.433	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.433%
60) 4-Bromofluorobenzene	11.079	95	44266	26.838	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.467%
63) Toluene-d8	8.647	98	142875	29.267	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.567%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	140	0.224	ug/l #	78
13) Acrolein	2.227	56	121	0.372	ug/l #	78
16) Carbon Disulfide	2.508	76	835	0.211	ug/l	95
23) tert-Butyl Alcohol	2.934	59	587	2.120	ug/l #	100
51) Ethyl methacrylate	8.647	69	429	0.206	ug/l #	62
56) Bromoform	11.085	173	284	0.310	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23099	42.045	ug/l #	10

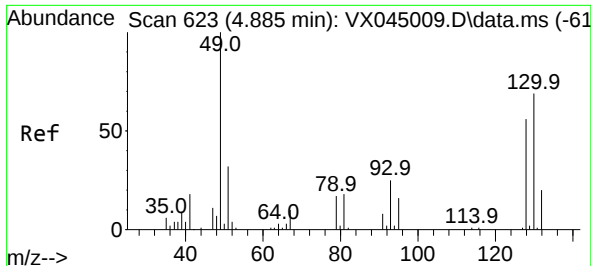
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
VX0226WBL01

Quant Time: Feb 27 05:12:46 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

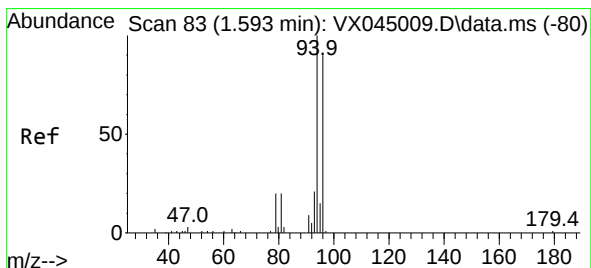
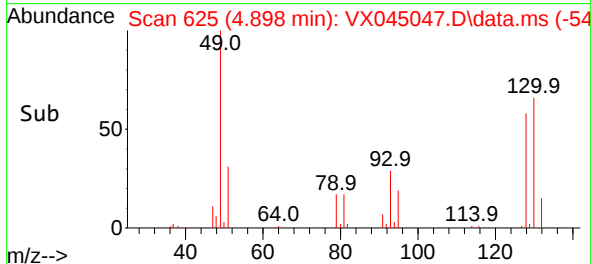
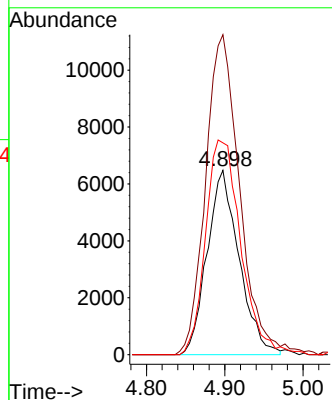
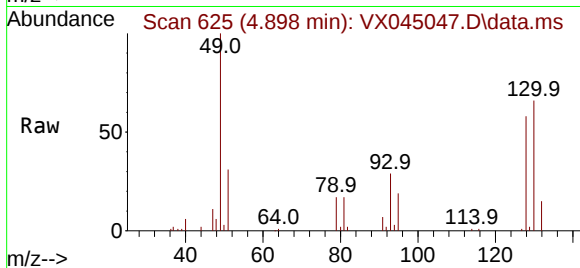




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

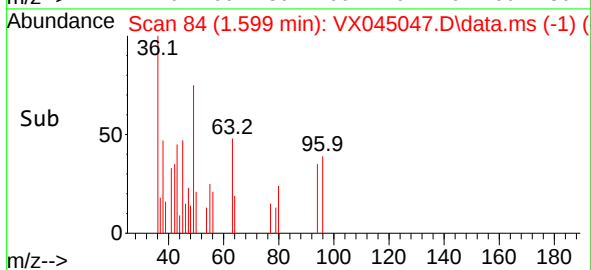
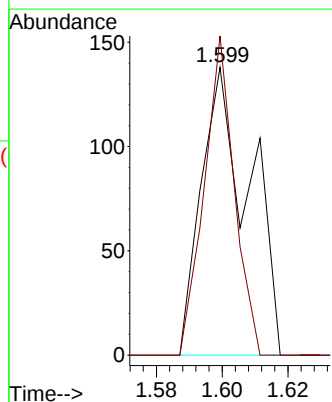
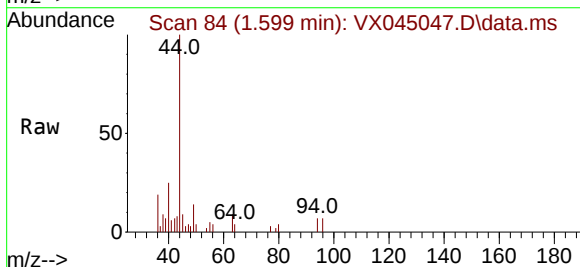
Instrument :
MSVOA_X
ClientSampleId :
VX0226WBL01

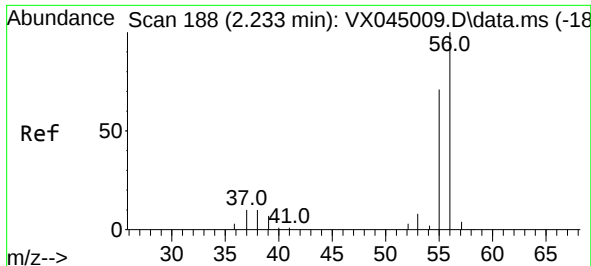
Tgt Ion:128 Resp: 18408
Ion Ratio Lower Upper
128 100
49 185.0 0.0 449.7
130 126.6 0.0 312.7



#5
Bromomethane
Concen: 0.224 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

Tgt Ion: 94 Resp: 140
Ion Ratio Lower Upper
94 100
96 110.9 72.2 108.4#

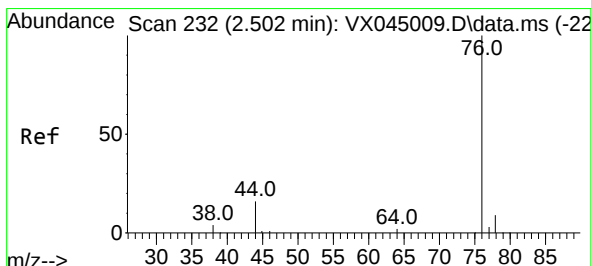
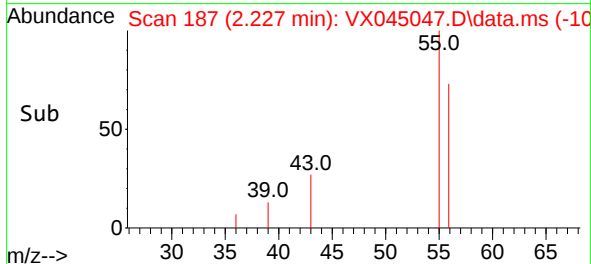
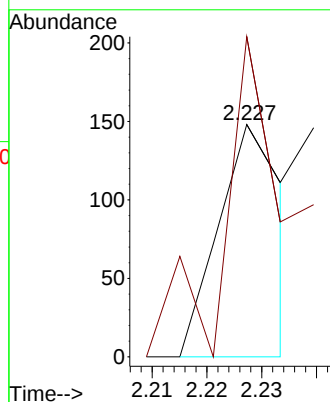
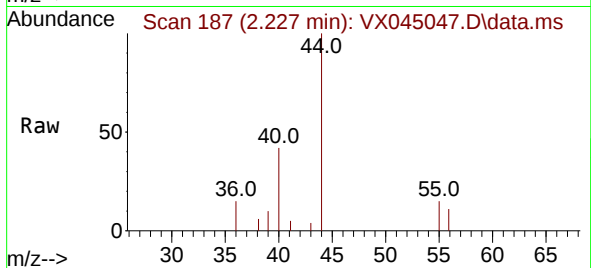




#13
Acrolein
Concen: 0.372 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

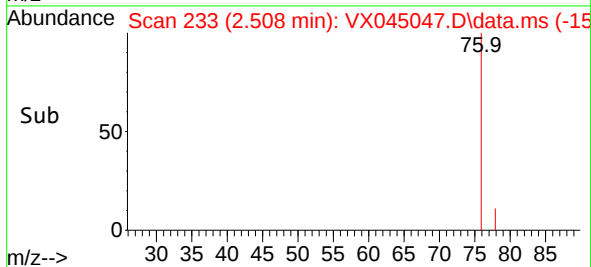
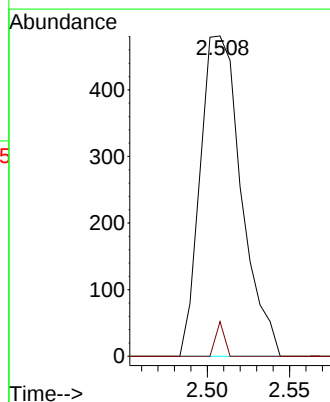
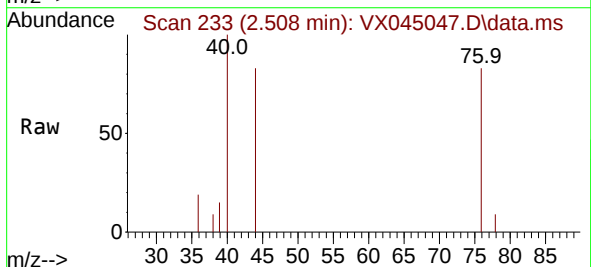
Instrument :
MSVOA_X
ClientSampleId :
VX0226WBL01

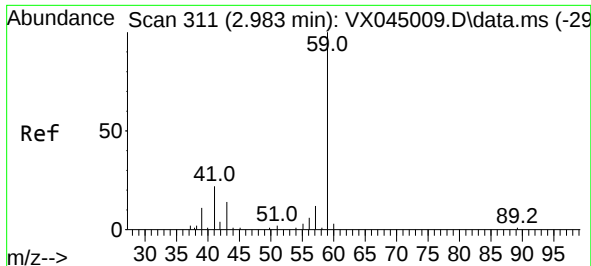
Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 87.6 55.4 83.2#



#16
Carbon Disulfide
Concen: 0.211 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

Tgt Ion: 76 Resp: 835
Ion Ratio Lower Upper
76 100
78 10.8 7.3 10.9

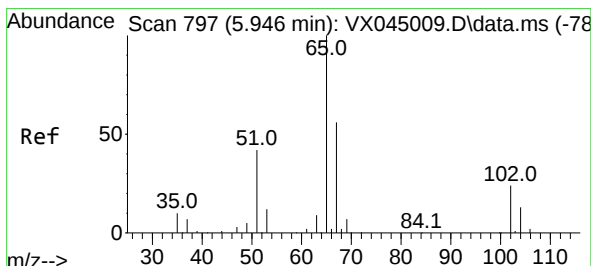
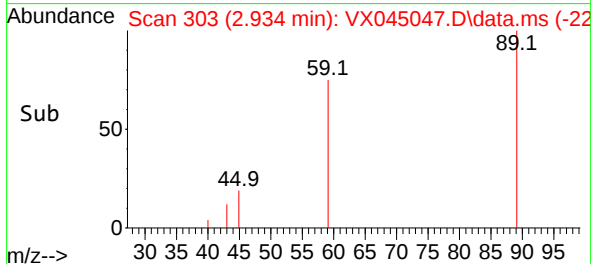
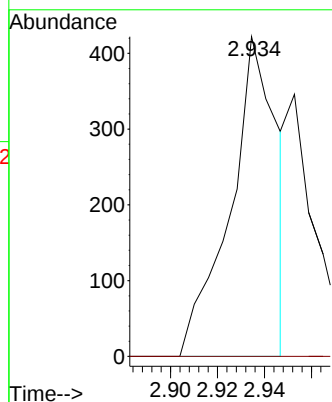
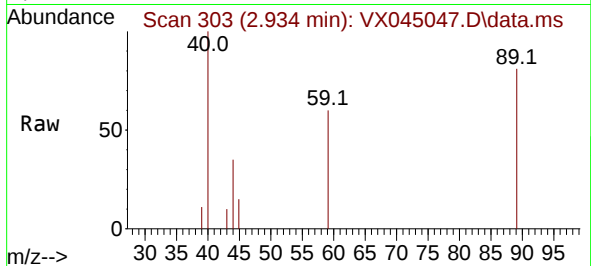




#23
tert-Butyl Alcohol
Concen: 2.120 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

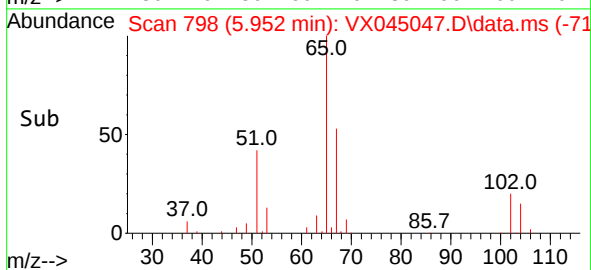
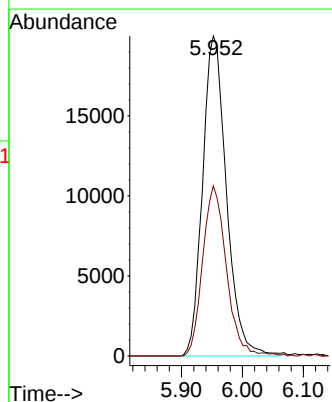
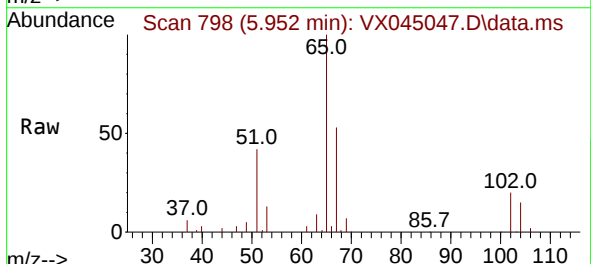
Instrument :
MSVOA_X
ClientSampleId :
VX0226WBL01

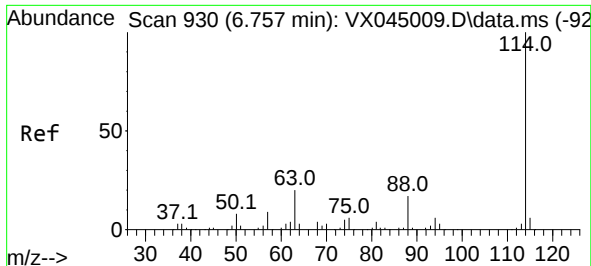
Tgt Ion: 59 Resp: 587
Ion Ratio Lower Upper
59 100
52 8.7 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 30.433 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

Tgt Ion: 65 Resp: 54410
Ion Ratio Lower Upper
65 100
67 52.2 42.6 64.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045047.D

Acq: 26 Feb 2025 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0226WBL01

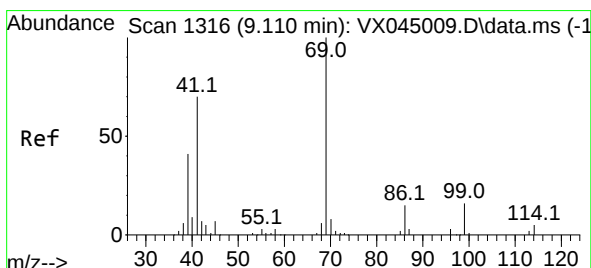
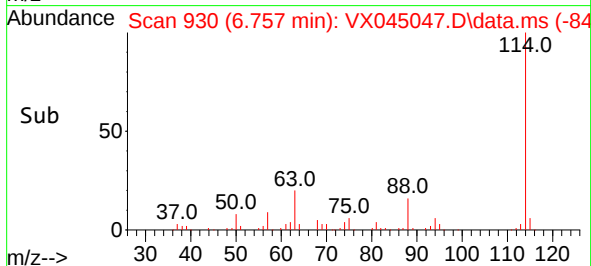
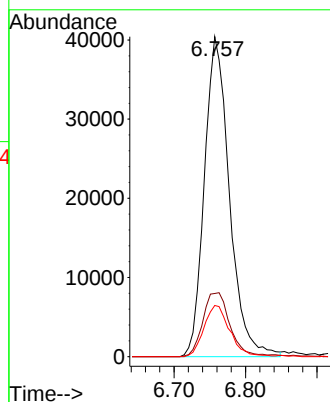
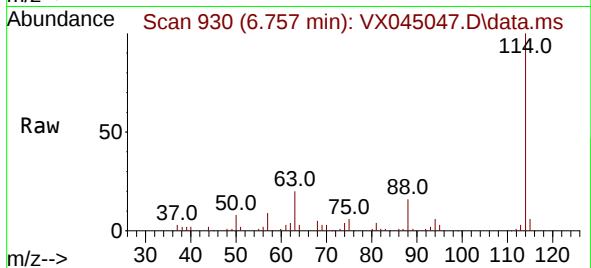
Tgt Ion:114 Resp: 98459

Ion Ratio Lower Upper

114 100

63 21.5 16.8 25.2

88 16.5 12.7 19.1



#51

Ethyl methacrylate

Concen: 0.206 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.463 min

Lab File: VX045047.D

Acq: 26 Feb 2025 11:26

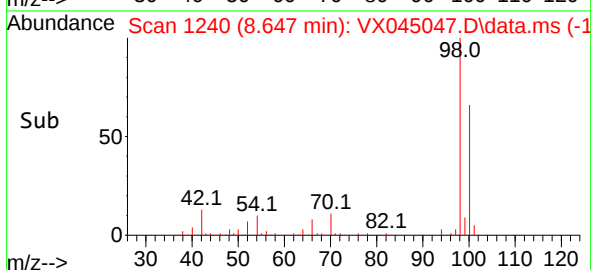
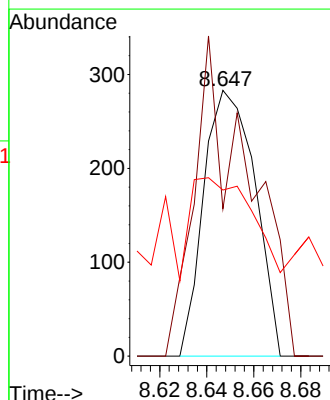
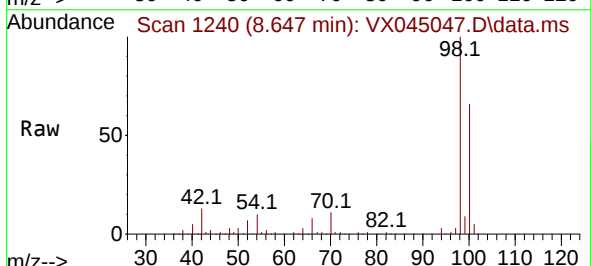
Tgt Ion: 69 Resp: 429

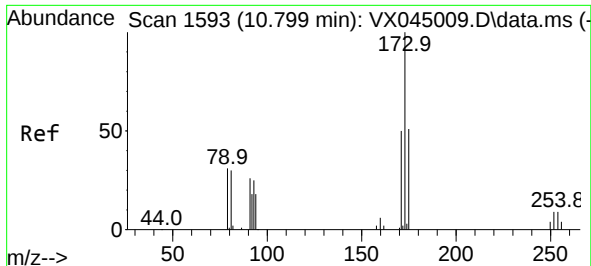
Ion Ratio Lower Upper

69 100

41 25.8 35.1 105.3#

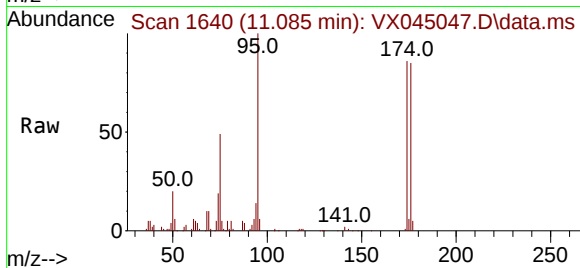
39 34.3 20.5 61.6



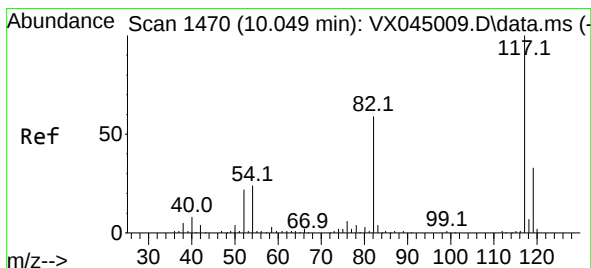
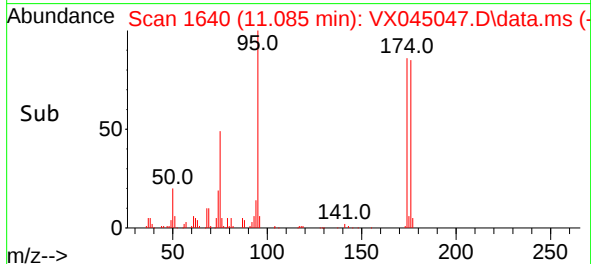
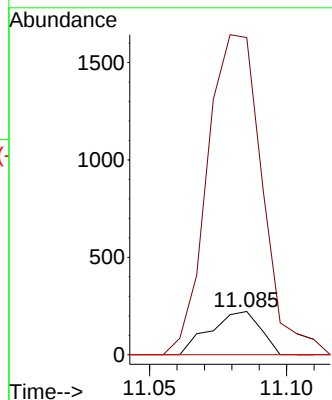


#56
Bromoform
Concen: 0.310 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.286 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0226WBL01

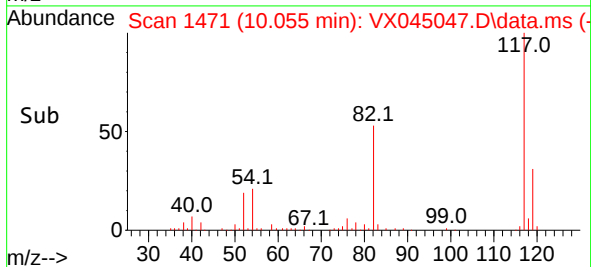
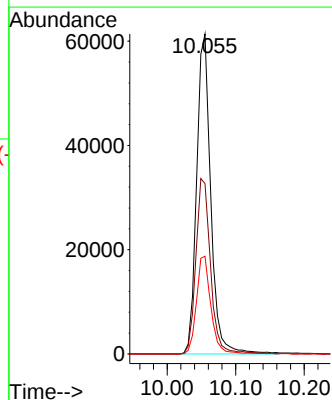
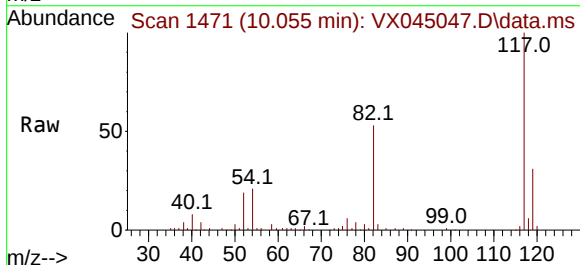


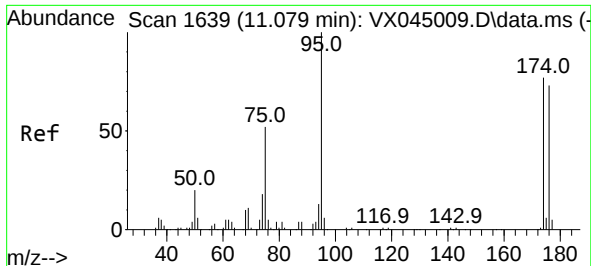
Tgt Ion:173 Resp: 284
Ion Ratio Lower Upper
173 100
175 796.1 39.6 59.4#
254 0.0 6.3 9.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

Tgt Ion:117 Resp: 88243
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.8
119 30.9 25.5 38.3

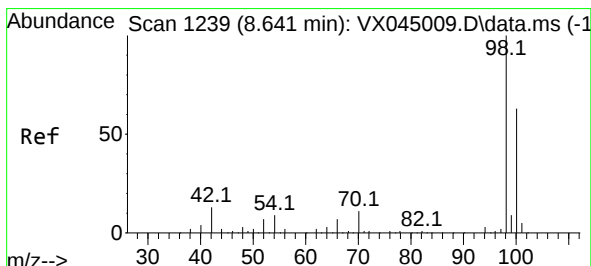
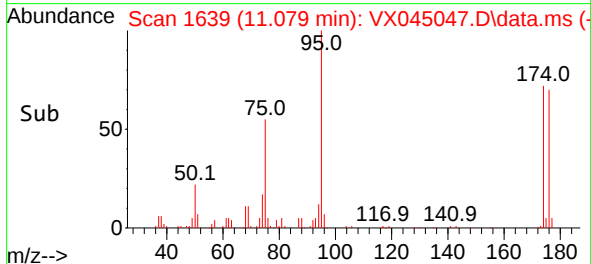
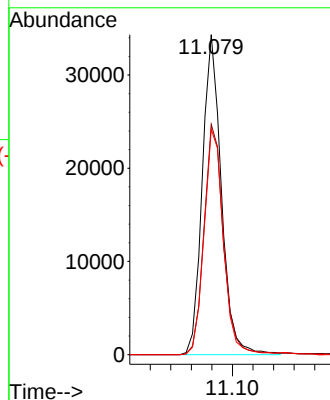
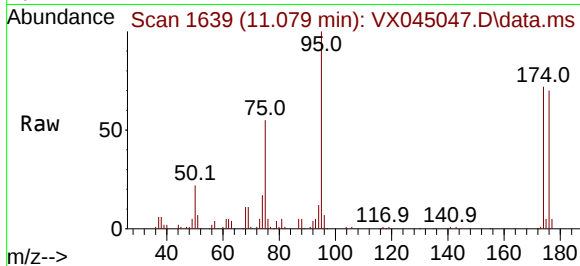




#60
4-Bromofluorobenzene
Concen: 26.838 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

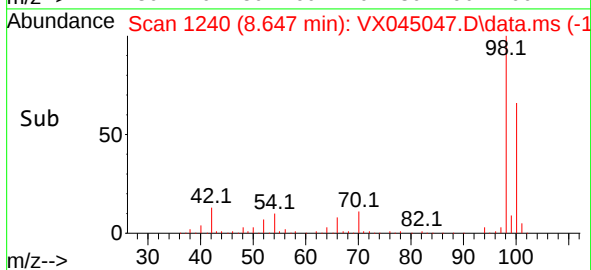
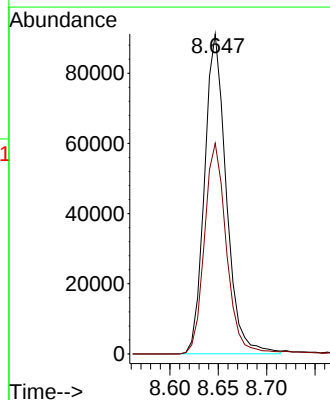
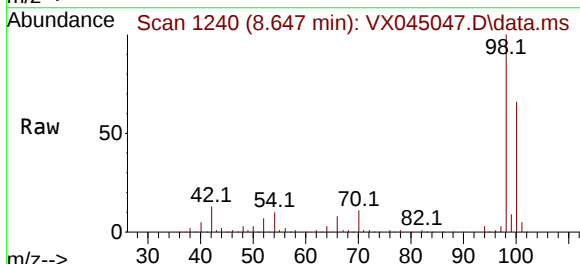
Instrument :
MSVOA_X
ClientSampleId :
VX0226WBL01

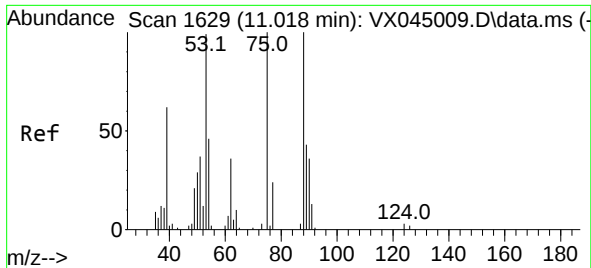
Tgt Ion: 95 Resp: 44266
Ion Ratio Lower Upper
95 100
174 73.6 59.5 89.3
176 71.5 55.5 83.3



#63
Toluene-d8
Concen: 29.267 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045047.D
Acq: 26 Feb 2025 11:26

Tgt Ion: 98 Resp: 142875
Ion Ratio Lower Upper
98 100
100 66.6 51.7 77.5





#77

t-1,4-Dichloro-2-butene

Concen: 42.045 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX045047.D

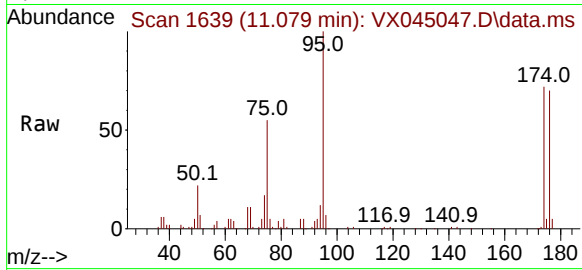
Acq: 26 Feb 2025 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0226WBL01



Tgt Ion: 75 Resp: 23099

Ion Ratio Lower Upper

75 100

53 0.0 49.8 149.4#

89 0.4 21.4 64.2#

