

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045050.D
 Acq On : 26 Feb 2025 12:43
 Operator : JC/MD
 Sample : Q1417-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 26 13:08:54 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)

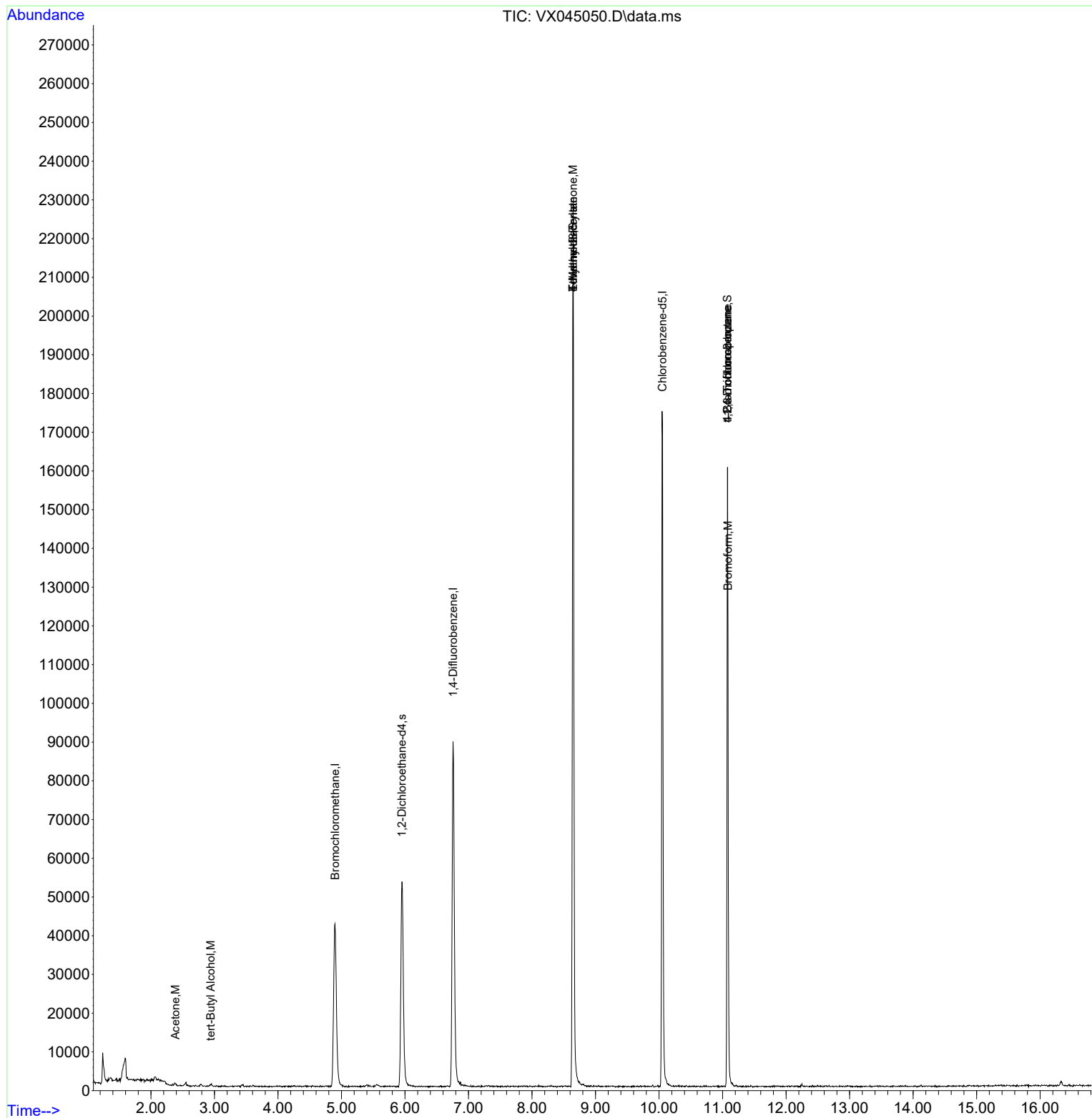
Internal Standards						
1) Bromochloromethane	4.898	128	17703	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	91187	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83001	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	49803	28.97	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.57%
60) 4-Bromofluorobenzene	11.079	95	41345	26.65	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.83%
63) Toluene-d8	8.647	98	134136	29.21	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.37%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	164	0.78	ug/l #	63
23) tert-Butyl Alcohol	2.941	59	307	1.15	ug/l #	100
51) Ethyl methacrylate	8.647	69	563	0.29	ug/l	89
56) Bromoform	11.085	173	332	0.39	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	760	0.40	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	22250	14.49	ug/l	35
77) t-1,4-Dichloro-2-butene	11.079	75	22250	43.06	ug/l #	10

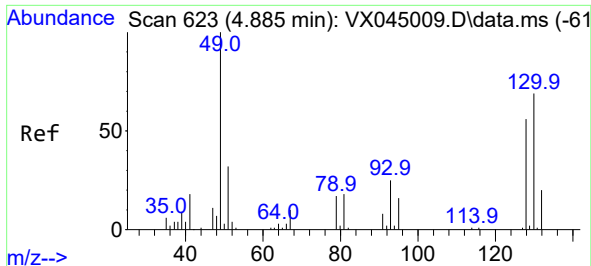
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Feb 26 13:08:54 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

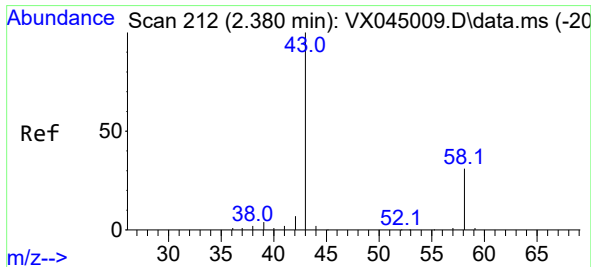
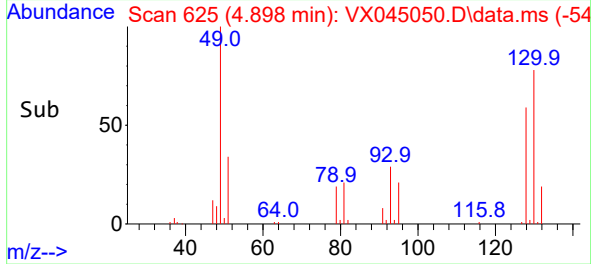
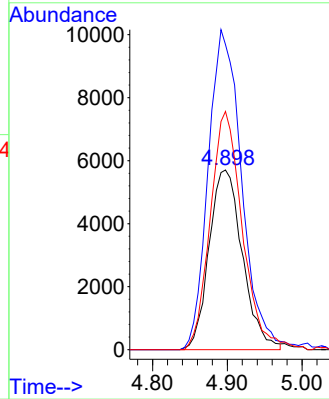
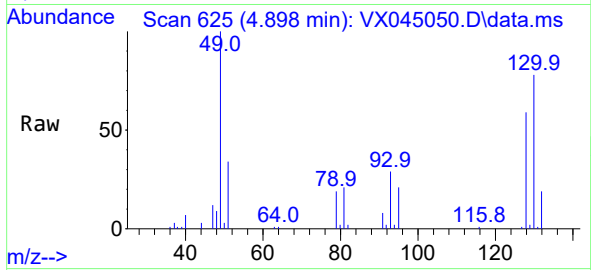




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

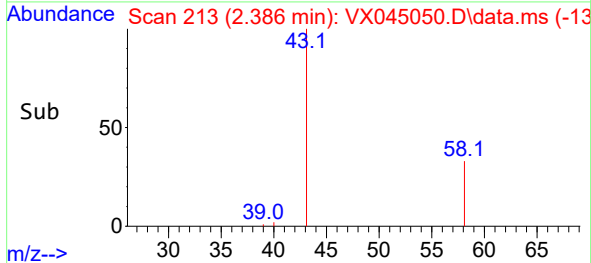
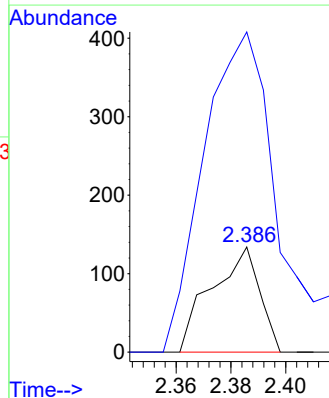
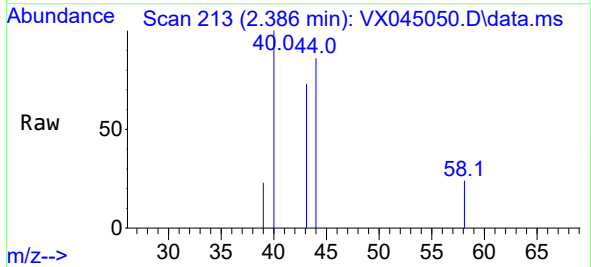
Instrument :
MSVOA_X
ClientSampleId :

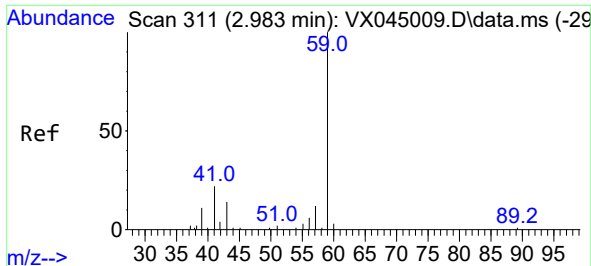
Tgt Ion:128 Resp: 17703
Ion Ratio Lower Upper
128 100
49 179.2 0.0 449.7
130 127.8 0.0 312.7



#15
Acetone
Concen: 0.78 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

Tgt Ion: 58 Resp: 164
Ion Ratio Lower Upper
58 100
43 246.3 258.6 388.0#

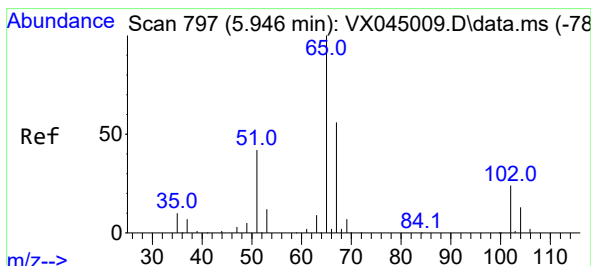
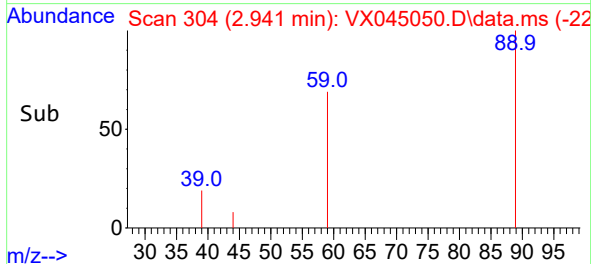
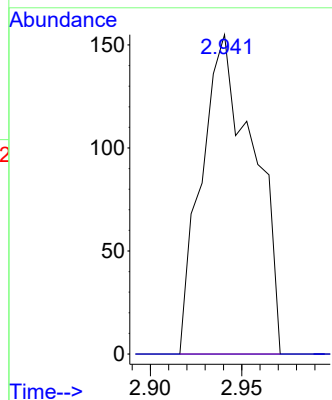
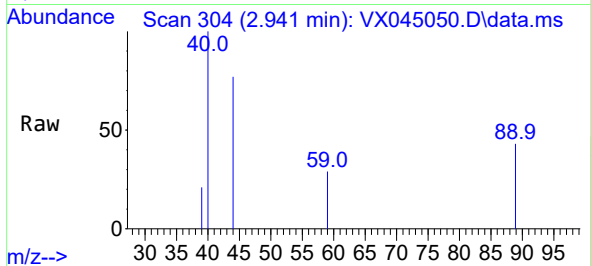




#23
tert-Butyl Alcohol
Concen: 1.15 ug/l
RT: 2.941 min Scan# 307
Delta R.T. -0.043 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

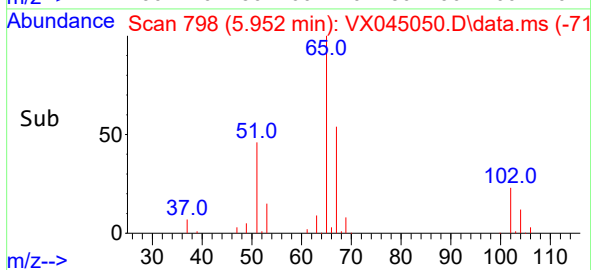
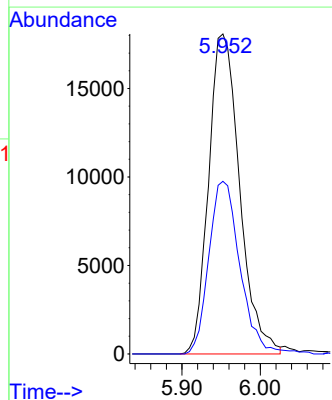
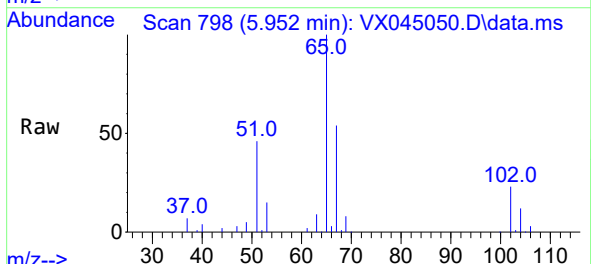
Instrument :
MSVOA_X
ClientSampleId :

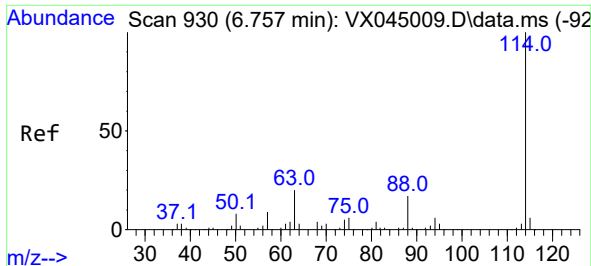
Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 28.97 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

Tgt Ion: 65 Resp: 49803
Ion Ratio Lower Upper
65 100
67 54.2 42.6 64.0



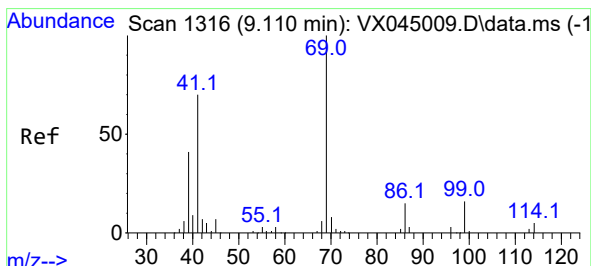
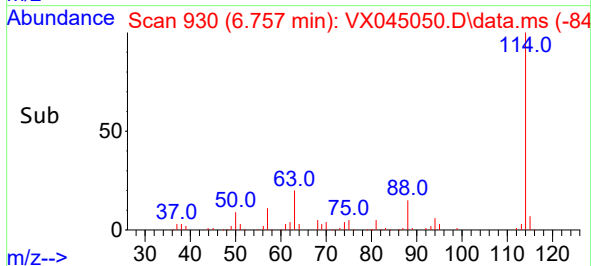
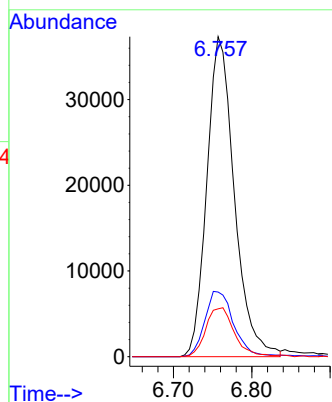
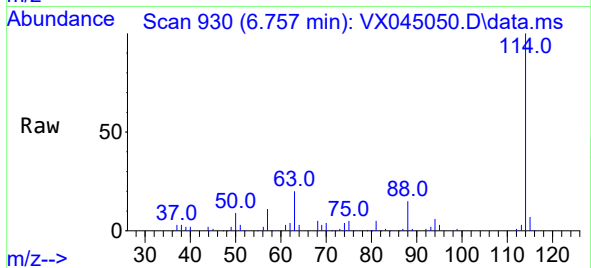


#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 91187

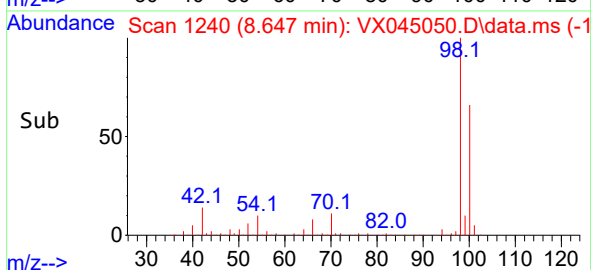
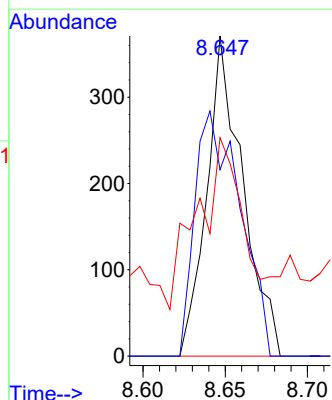
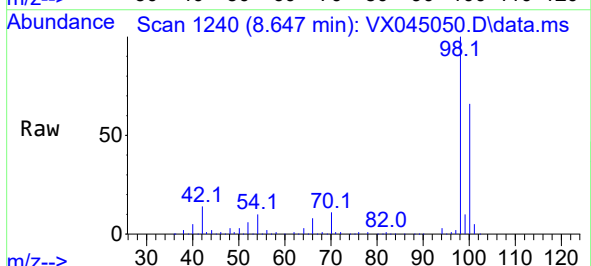
Ion	Ratio	Lower	Upper
114	100		
63	21.4	16.8	25.2
88	15.8	12.7	19.1

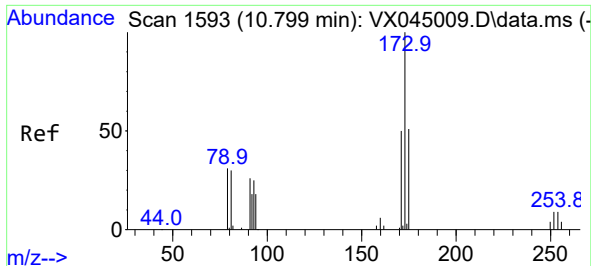


#51
Ethyl methacrylate
Concen: 0.29 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.463 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

Tgt Ion: 69 Resp: 563

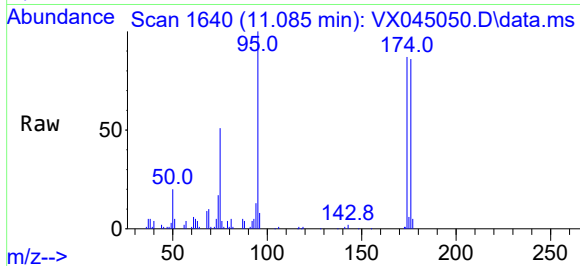
Ion	Ratio	Lower	Upper
69	100		
41	58.2	35.1	105.3
39	43.4	20.5	61.6



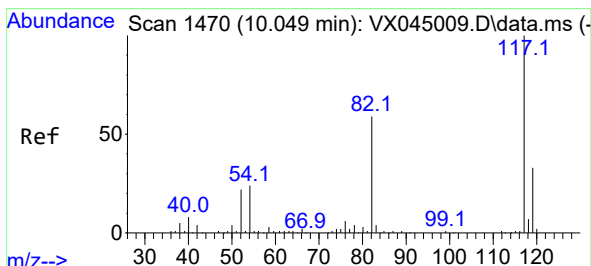
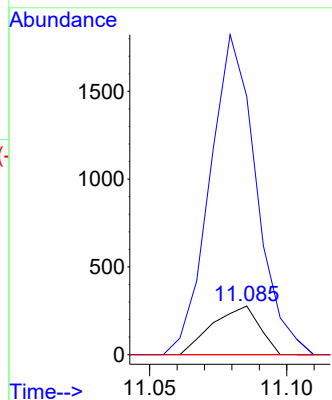
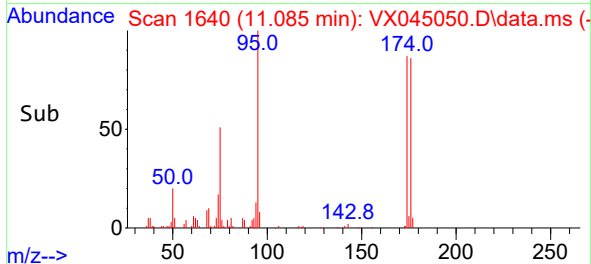


#56
Bromoform
Concen: 0.39 ug/l
RT: 11.085 min Scan# 110
Delta R.T. 0.286 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

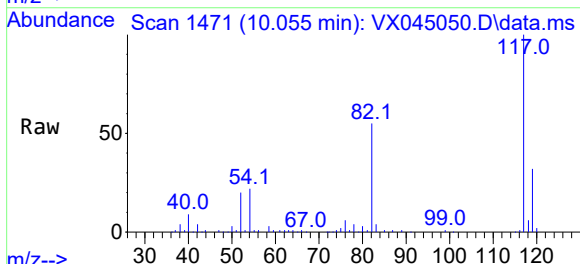
Instrument :
MSVOA_X
ClientSampleId :



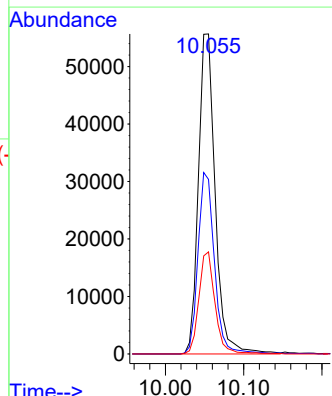
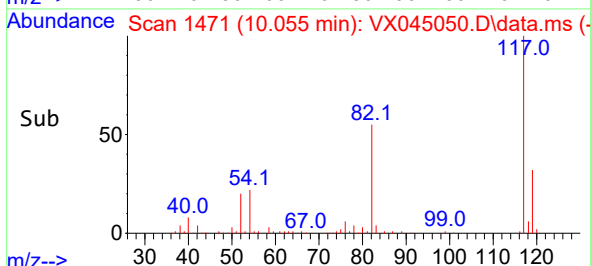
Tgt Ion:173 Resp: 332
Ion Ratio Lower Upper
173 100
175 650.0 39.6 59.4#
254 0.0 6.3 9.5#

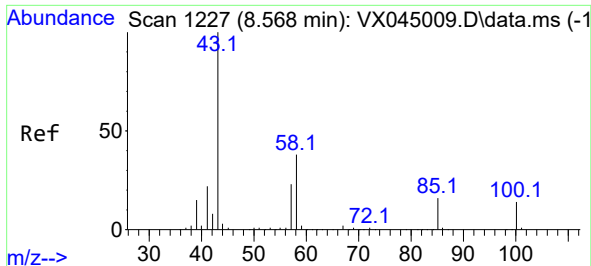


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43



Tgt Ion:117 Resp: 83001
Ion Ratio Lower Upper
117 100
82 55.6 45.8 68.8
119 30.2 25.5 38.3





#58

4-Methyl-2-Pentanone

Concen: 0.40 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.079 min

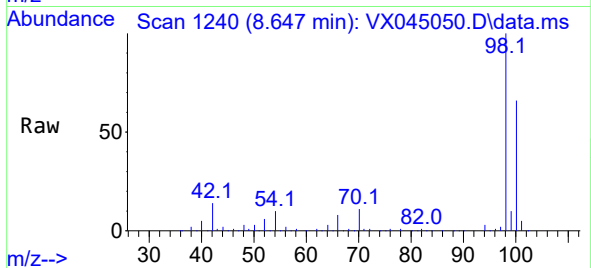
Lab File: VX045050.D

Acq: 26 Feb 2025 12:43

Instrument :

MSVOA_X

ClientSampleId :



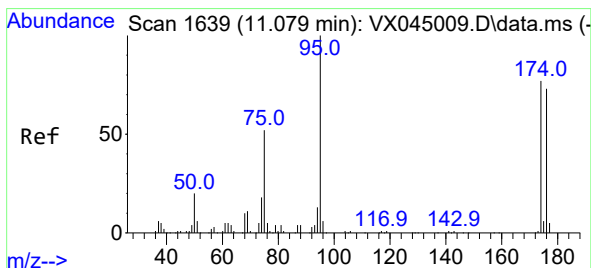
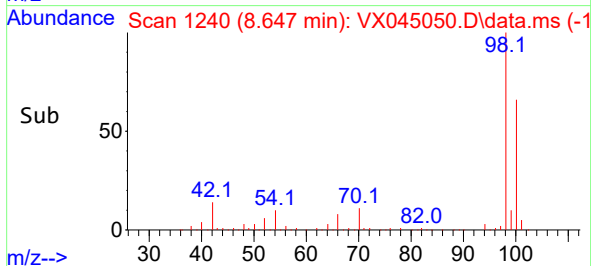
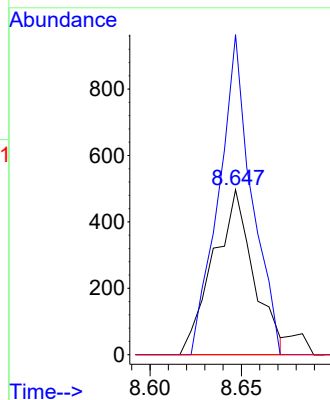
Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

58 158.7 29.5 44.3#

85 0.0 12.9 19.3#



#60

4-Bromofluorobenzene

Concen: 26.65 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045050.D

Acq: 26 Feb 2025 12:43

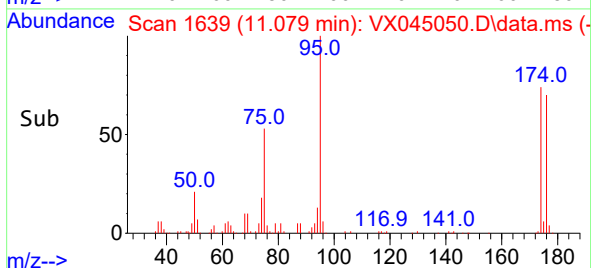
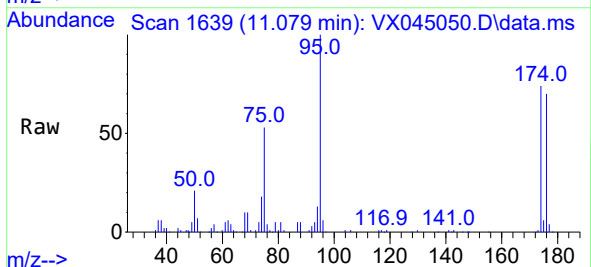
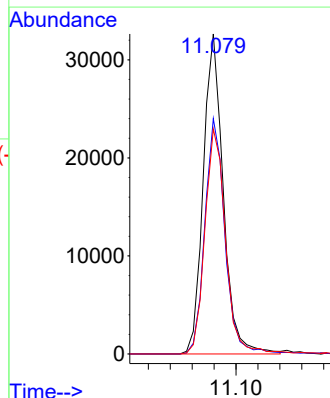
Tgt Ion: 95 Resp: 41345

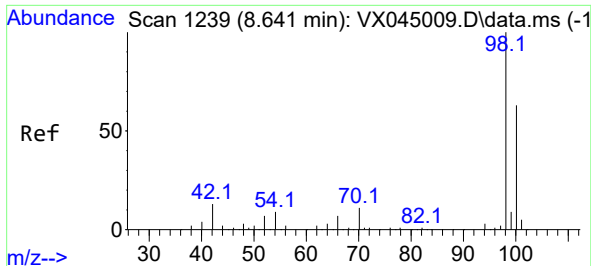
Ion Ratio Lower Upper

95 100

174 73.5 59.5 89.3

176 71.8 55.5 83.3

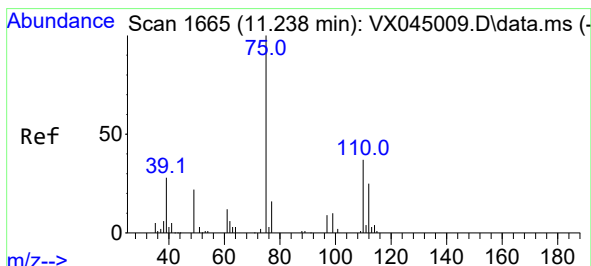
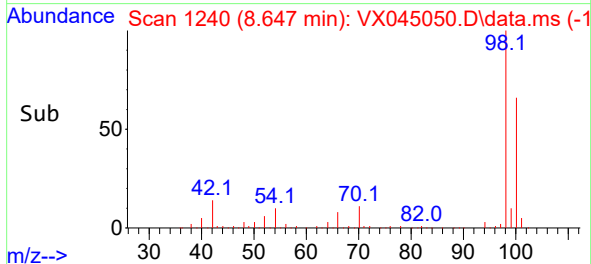
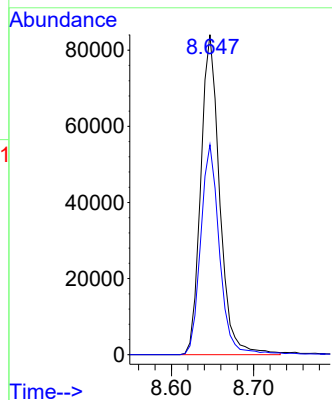
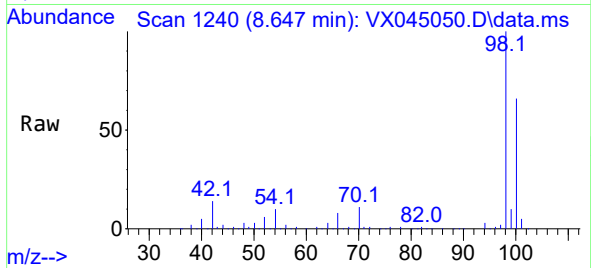




#63
Toluene-d8
Concen: 29.21 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

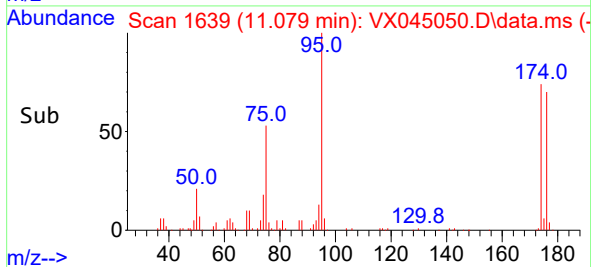
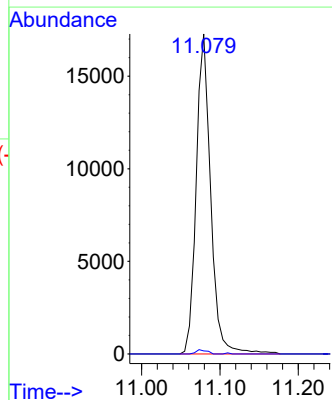
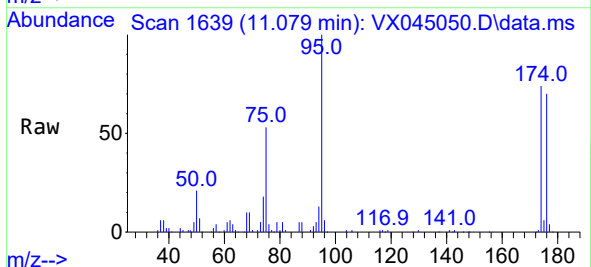
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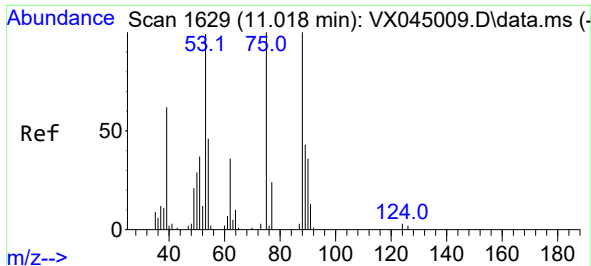
Tgt Ion: 98 Resp: 134136
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#72
1,2,3-Trichloropropane
Concen: 14.49 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

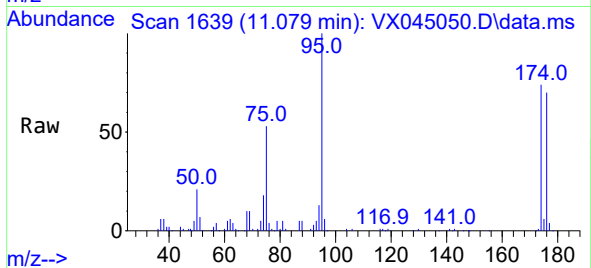
Tgt Ion: 75 Resp: 22250
Ion Ratio Lower Upper
75 100
77 1.0 0.0 84.0





#77
t-1,4-Dichloro-2-butene
Concen: 43.06 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 22250
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

