

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046631.D
 Acq On : 11 Jun 2025 12:31
 Operator : JC/MD
 Sample : VX0611WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBL01

Quant Time: Jun 12 01:39:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 11 06:20:28 2025
 Response via : Initial Calibration

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

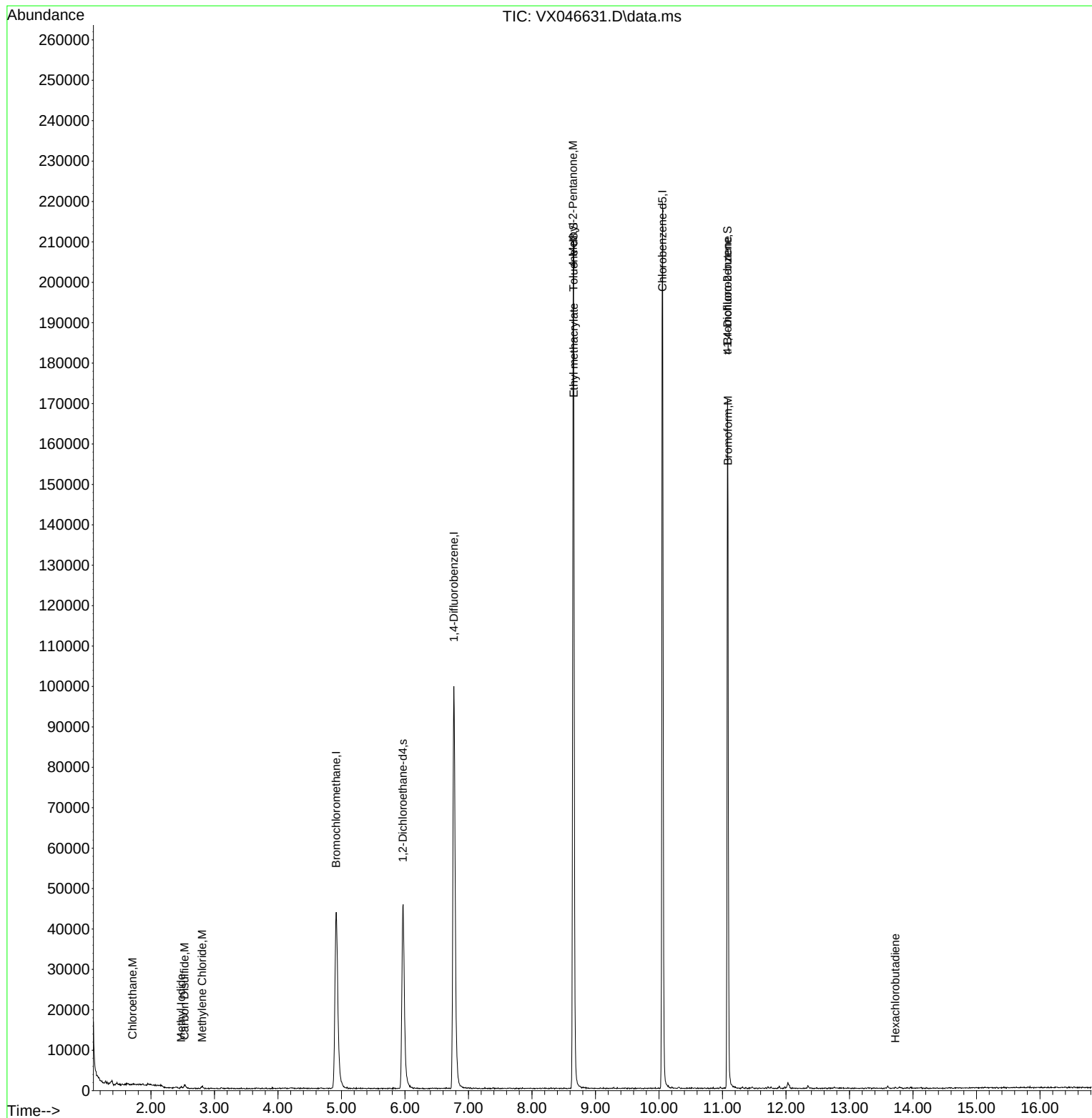
Internal Standards						
1) Bromochloromethane	4.916	128	19239	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	103534	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	93773	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	47448	30.467	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.567%
60) 4-Bromofluorobenzene	11.079	95	47923	30.320	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.067%
63) Toluene-d8	8.653	98	124779	29.790	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.300%
Target Compounds						
					Qvalue	
6) Chloroethane	1.709	64	299	0.419	ug/l #	43
11) Methyl Iodide	2.477	142	363	0.232	ug/l #	49
16) Carbon Disulfide	2.526	76	1041	0.327	ug/l	99
18) Methylene Chloride	2.806	84	316	0.249	ug/l #	75
51) Ethyl methacrylate	8.659	69	447	0.261	ug/l #	71
56) Bromoform	11.085	173	298	0.364	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	646	0.424	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	24899	54.194	ug/l #	1
90) Hexachlorobutadiene	13.719	225	172	0.255	ug/l #	36

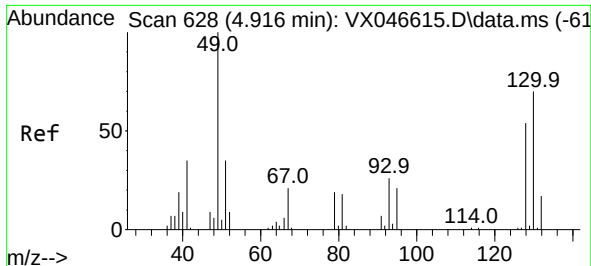
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046631.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

Quant Time: Jun 12 01:39:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 11 06:20:28 2025
Response via : Initial Calibration

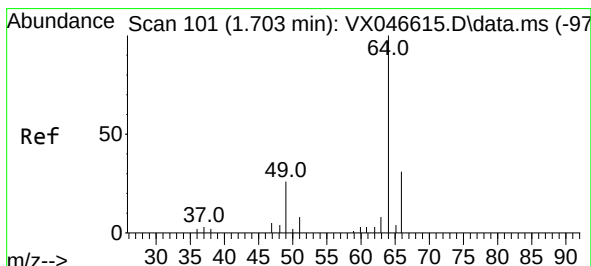
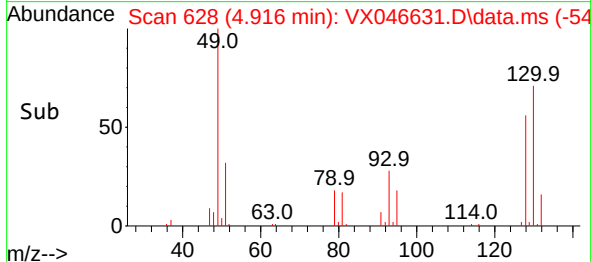
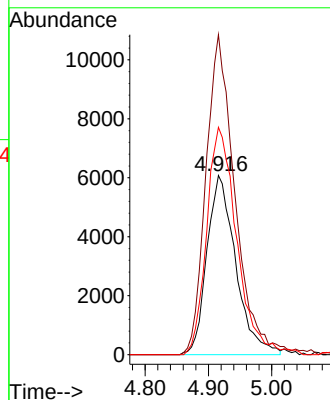
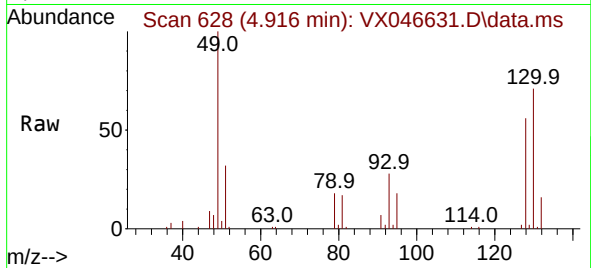




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

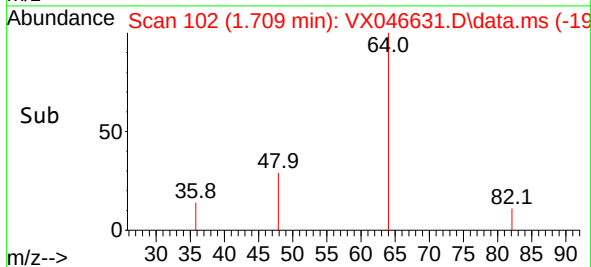
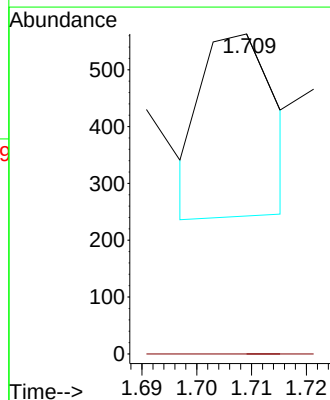
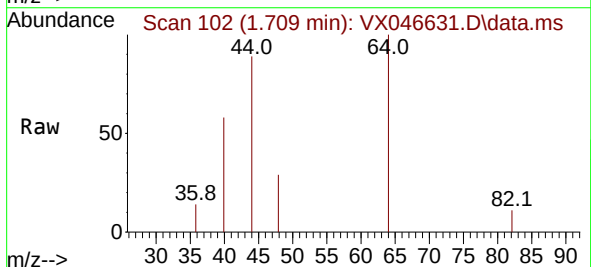
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

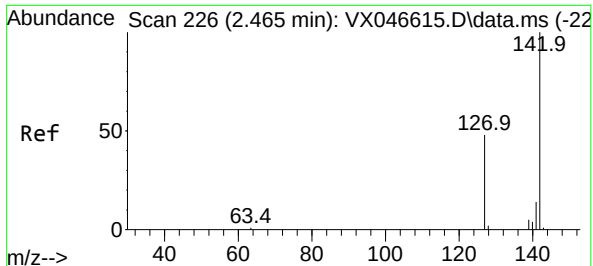
Tgt Ion:128 Resp: 19239
Ion Ratio Lower Upper
128 100
49 176.4 0.0 448.3
130 129.9 0.0 312.0



#6
Chloroethane
Concen: 0.419 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.006 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

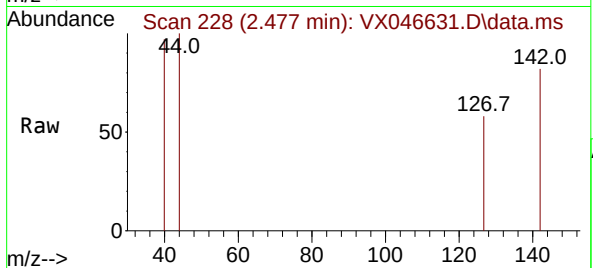
Tgt Ion: 64 Resp: 299
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



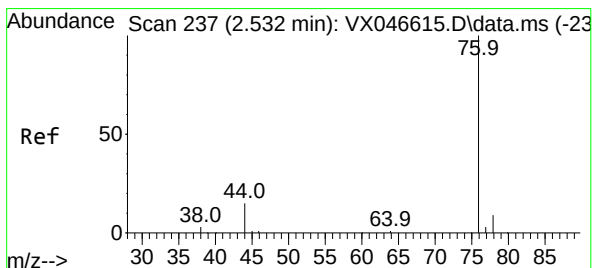
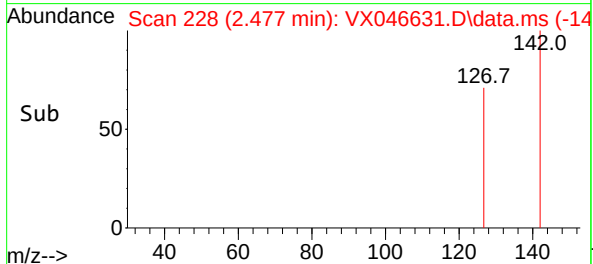
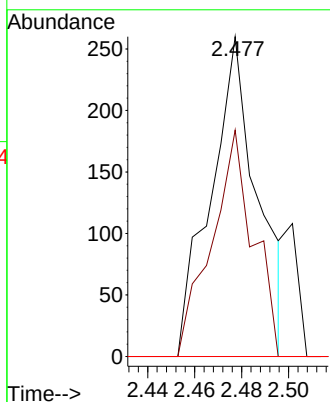


#11
Methyl Iodide
Concen: 0.232 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

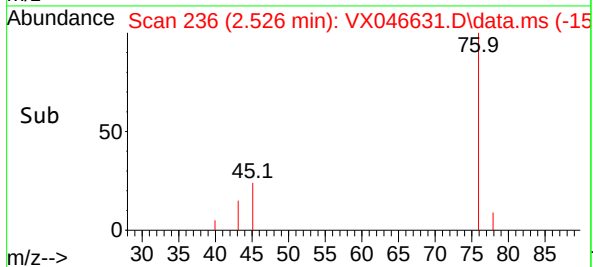
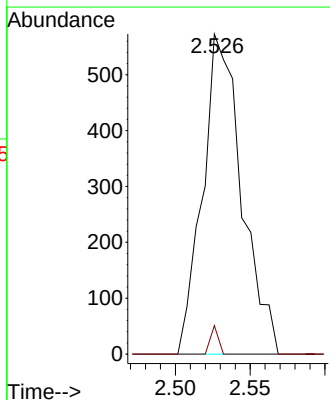
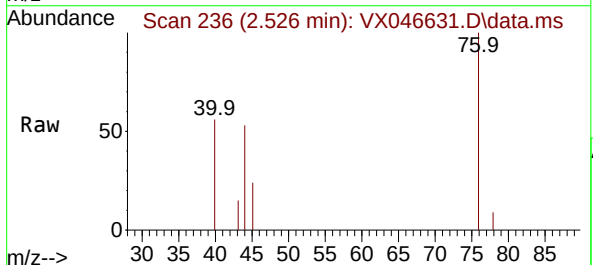


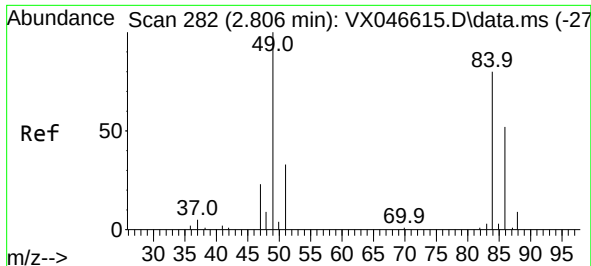
Tgt Ion:142 Resp: 363
Ion Ratio Lower Upper
142 100
127 86.4 24.1 72.4#
141 0.0 7.0 20.9#



#16
Carbon Disulfide
Concen: 0.327 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

Tgt Ion: 76 Resp: 1041
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

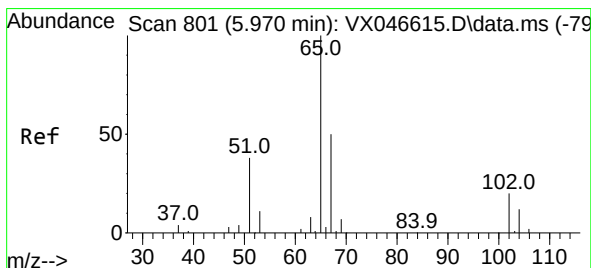
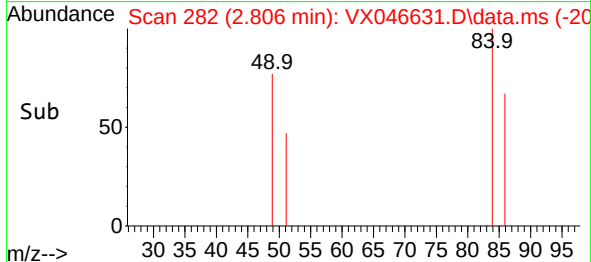
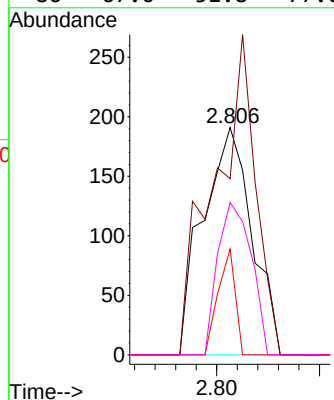
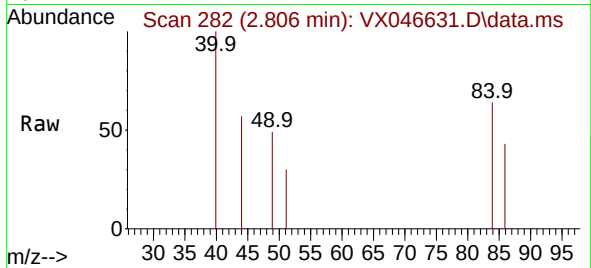




#18
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

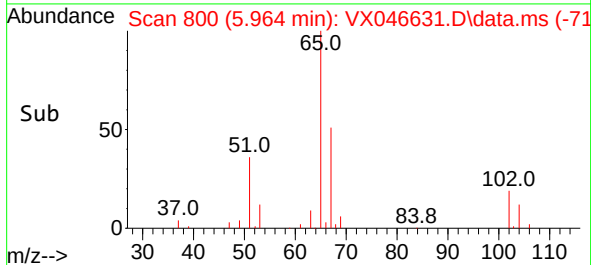
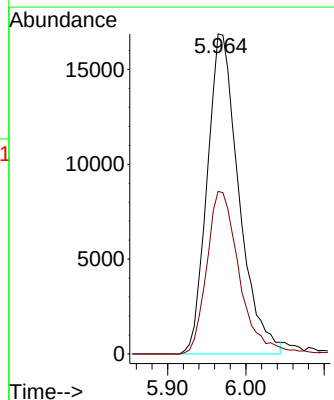
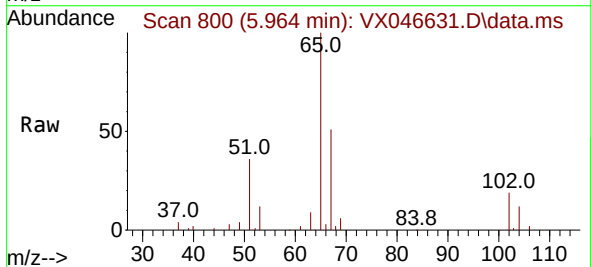
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

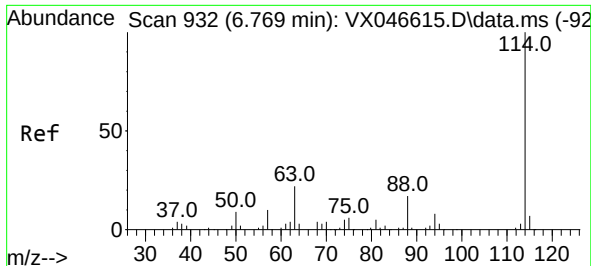
Tgt Ion:	84	Resp:	316
Ion	Ratio	Lower	Upper
84	100		
49	77.5	100.1	150.1#
51	46.6	33.0	49.4
86	67.0	51.8	77.6



#27
1,2-Dichloroethane-d4
Concen: 30.467 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

Tgt Ion:	65	Resp:	47448
Ion	Ratio	Lower	Upper
65	100		
67	52.3	41.4	62.2

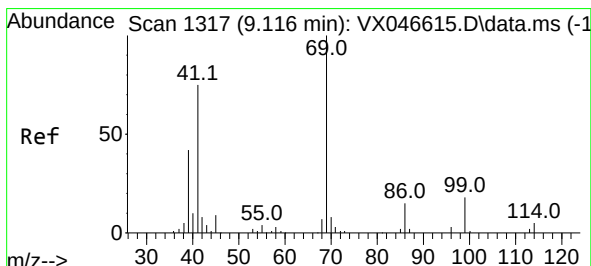
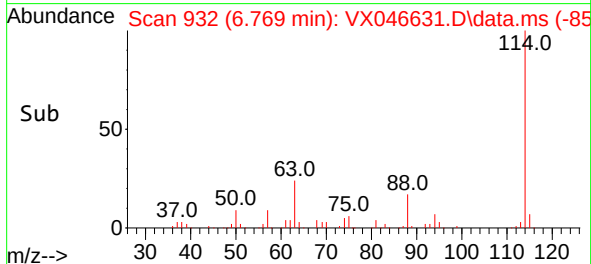
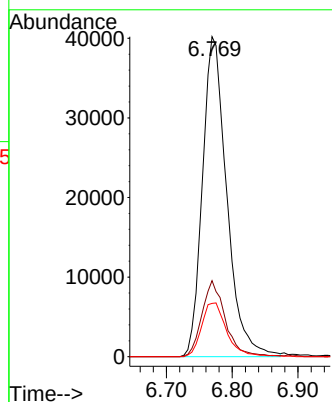
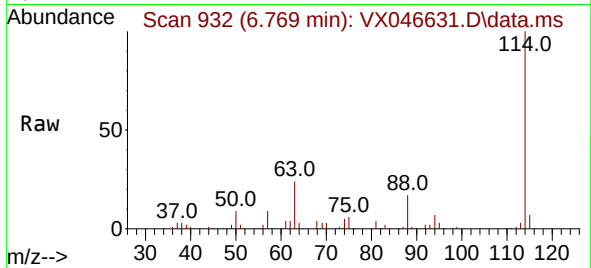




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

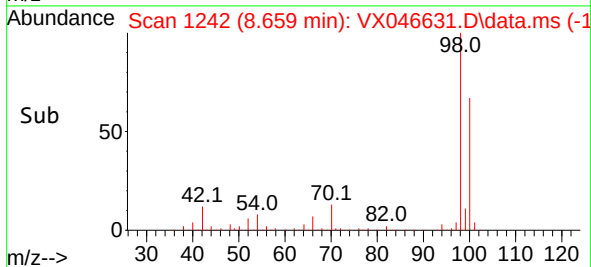
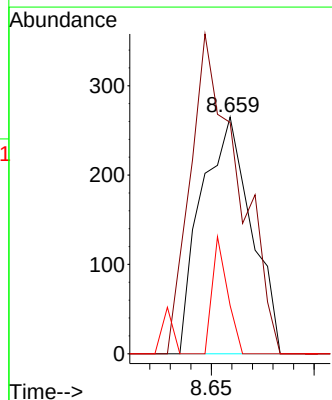
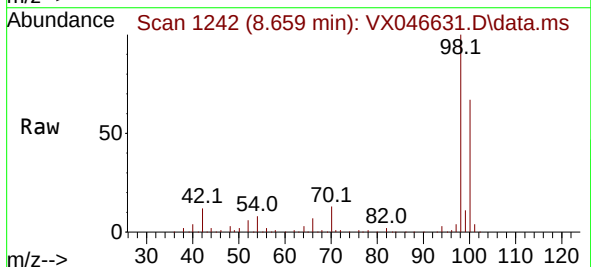
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

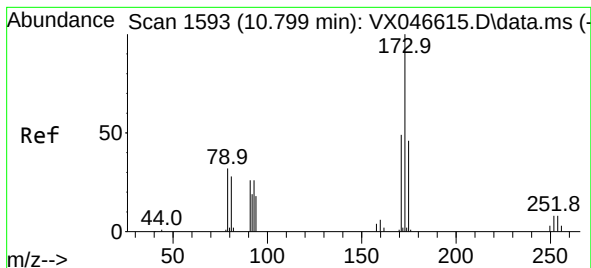
Tgt Ion:114 Resp: 103534
Ion Ratio Lower Upper
114 100
63 22.7 18.1 27.1
88 17.2 14.1 21.1



#51
Ethyl methacrylate
Concen: 0.261 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.457 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

Tgt Ion: 69 Resp: 447
Ion Ratio Lower Upper
69 100
41 97.7 37.4 112.2
39 20.4 20.8 62.5#

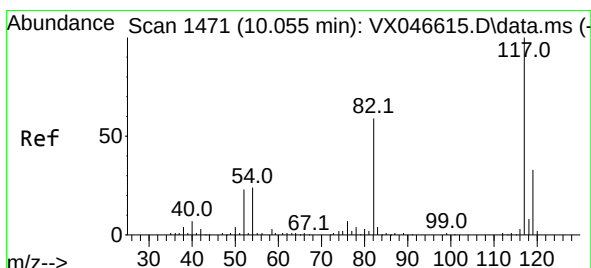
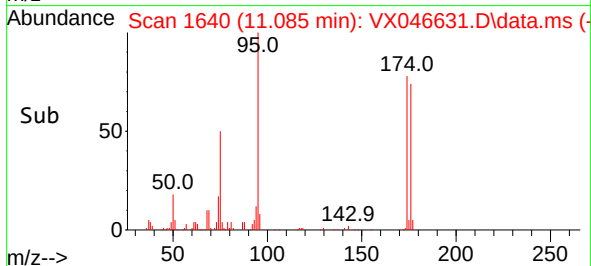
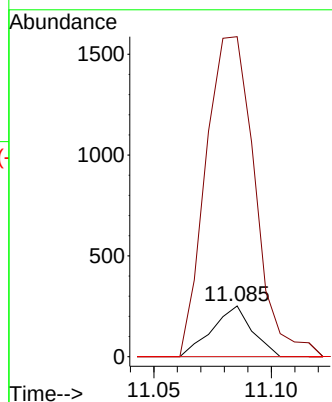
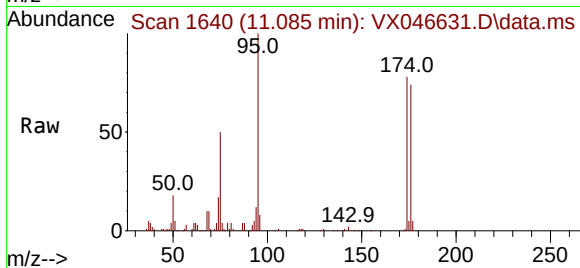




#56
Bromoform
Concen: 0.364 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

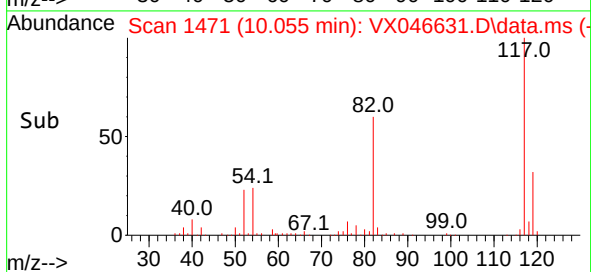
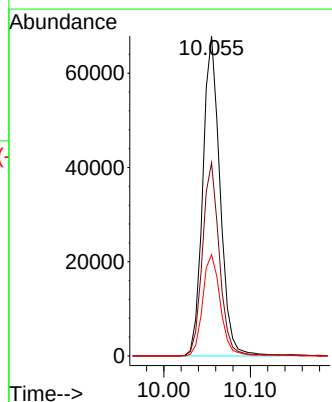
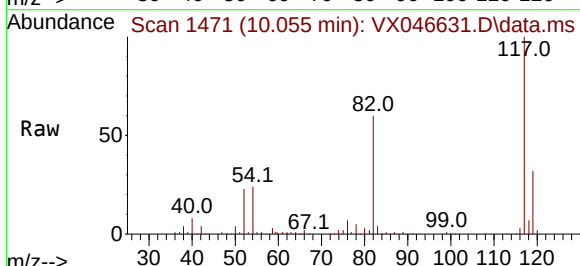
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

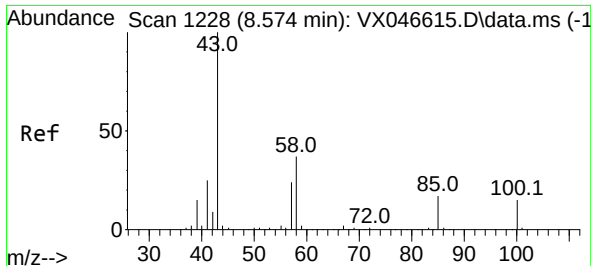
Tgt Ion:173 Resp: 298
Ion Ratio Lower Upper
173 100
175 774.8 38.0 57.0#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

Tgt Ion:117 Resp: 93773
Ion Ratio Lower Upper
117 100
82 59.4 46.5 69.7
119 32.5 25.8 38.6

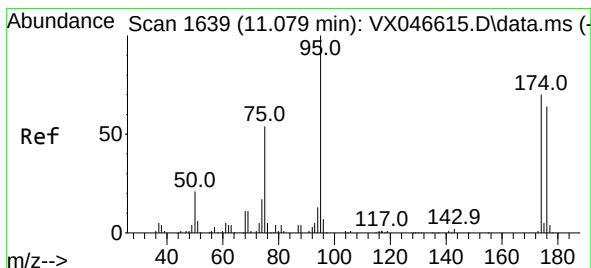
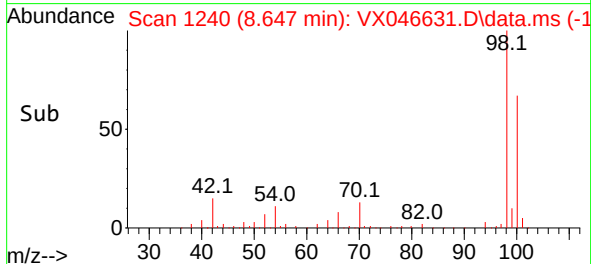
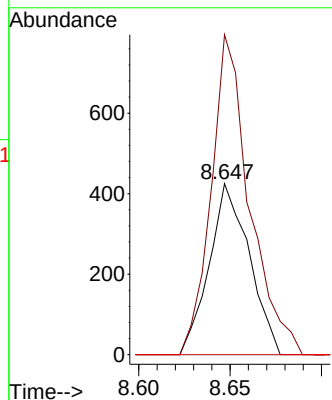
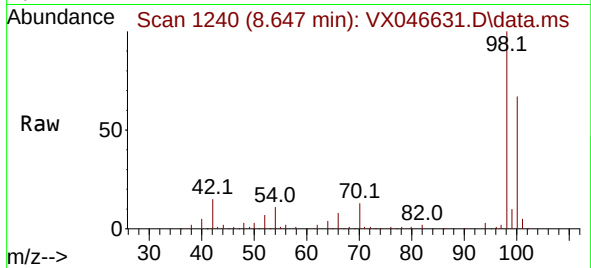




#58
 4-Methyl-2-Pentanone
 Concen: 0.424 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX046631.D
 Acq: 11 Jun 2025 12:31

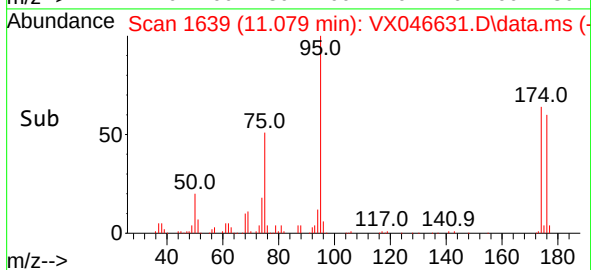
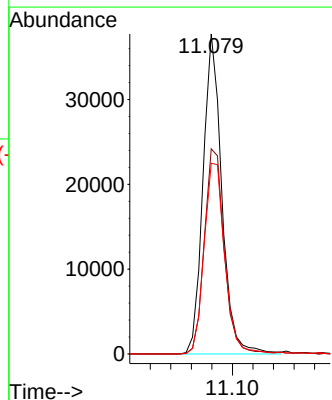
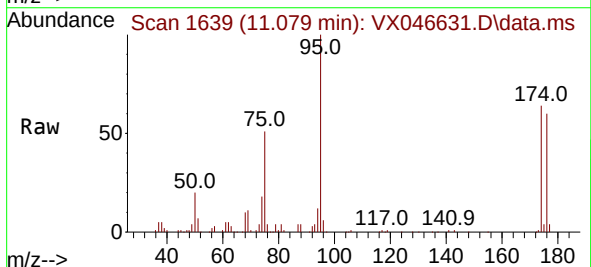
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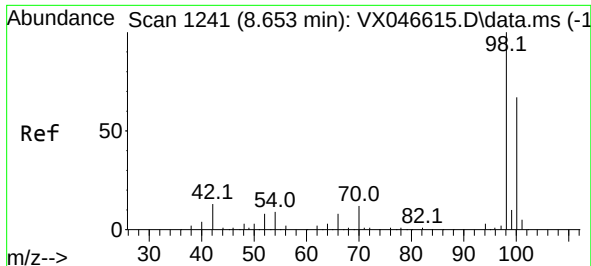
Tgt Ion: 43 Resp: 646
 Ion Ratio Lower Upper
 43 100
 58 179.9 29.4 44.2#
 85 0.0 13.3 19.9#



#60
 4-Bromofluorobenzene
 Concen: 30.320 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX046631.D
 Acq: 11 Jun 2025 12:31

Tgt Ion: 95 Resp: 47923
 Ion Ratio Lower Upper
 95 100
 174 68.0 56.0 84.0
 176 65.6 52.2 78.4

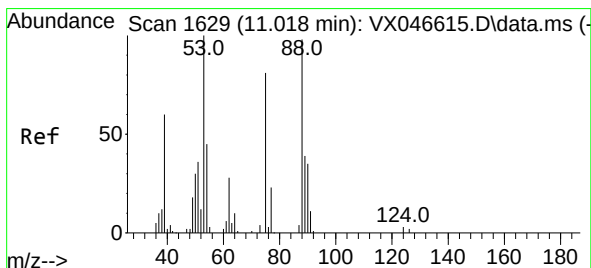
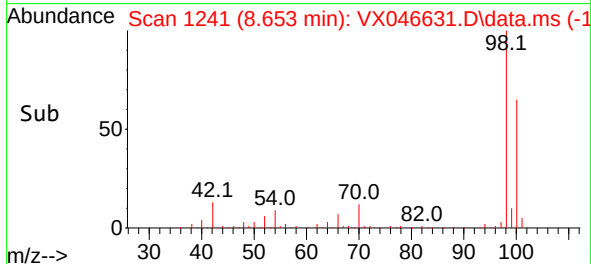
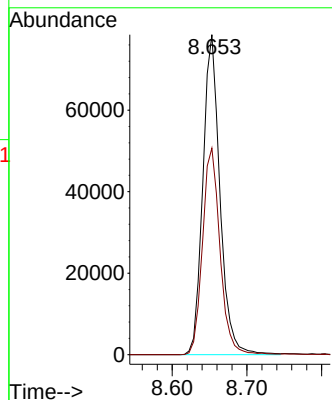
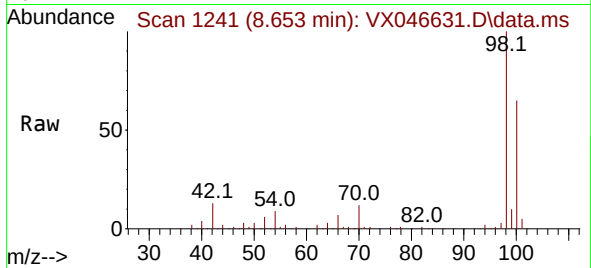




#63
Toluene-d8
Concen: 29.790 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

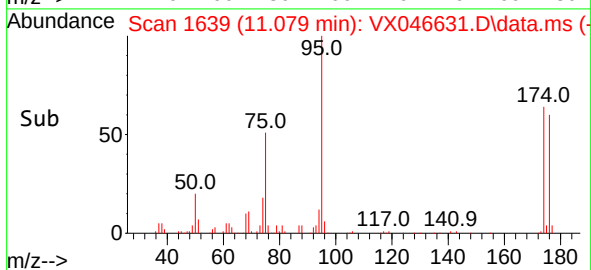
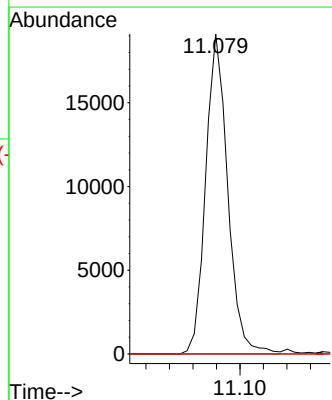
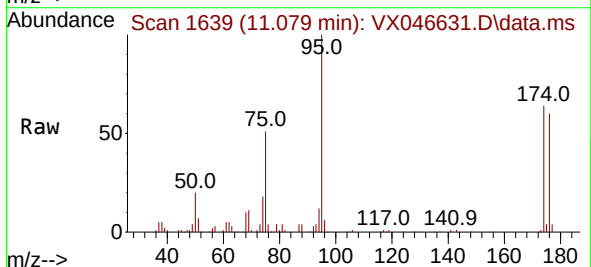
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

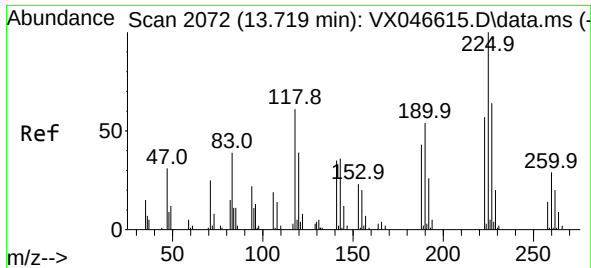
Tgt Ion: 98 Resp: 124779
Ion Ratio Lower Upper
98 100
100 65.9 52.6 79.0



#77
t-1,4-Dichloro-2-butene
Concen: 54.194 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046631.D
Acq: 11 Jun 2025 12:31

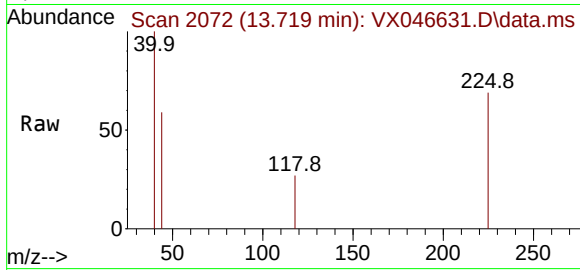
Tgt Ion: 75 Resp: 24899
Ion Ratio Lower Upper
75 100
53 0.0 61.9 185.7#
89 0.0 24.0 72.0#





#90
 Hexachlorobutadiene
 Concen: 0.255 ug/l
 RT: 13.719 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX046631.D
 Acq: 11 Jun 2025 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBL01



Tgt Ion:	225	Resp:	172
Ion	Ratio	Lower	Upper
225	100		
223	29.1	0.0	126.4
227	0.0	0.0	131.4

