

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047506.D
 Acq On : 22 Aug 2025 18:09
 Operator : JC/MD
 Sample : Q2939-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Aug 25 01:32:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

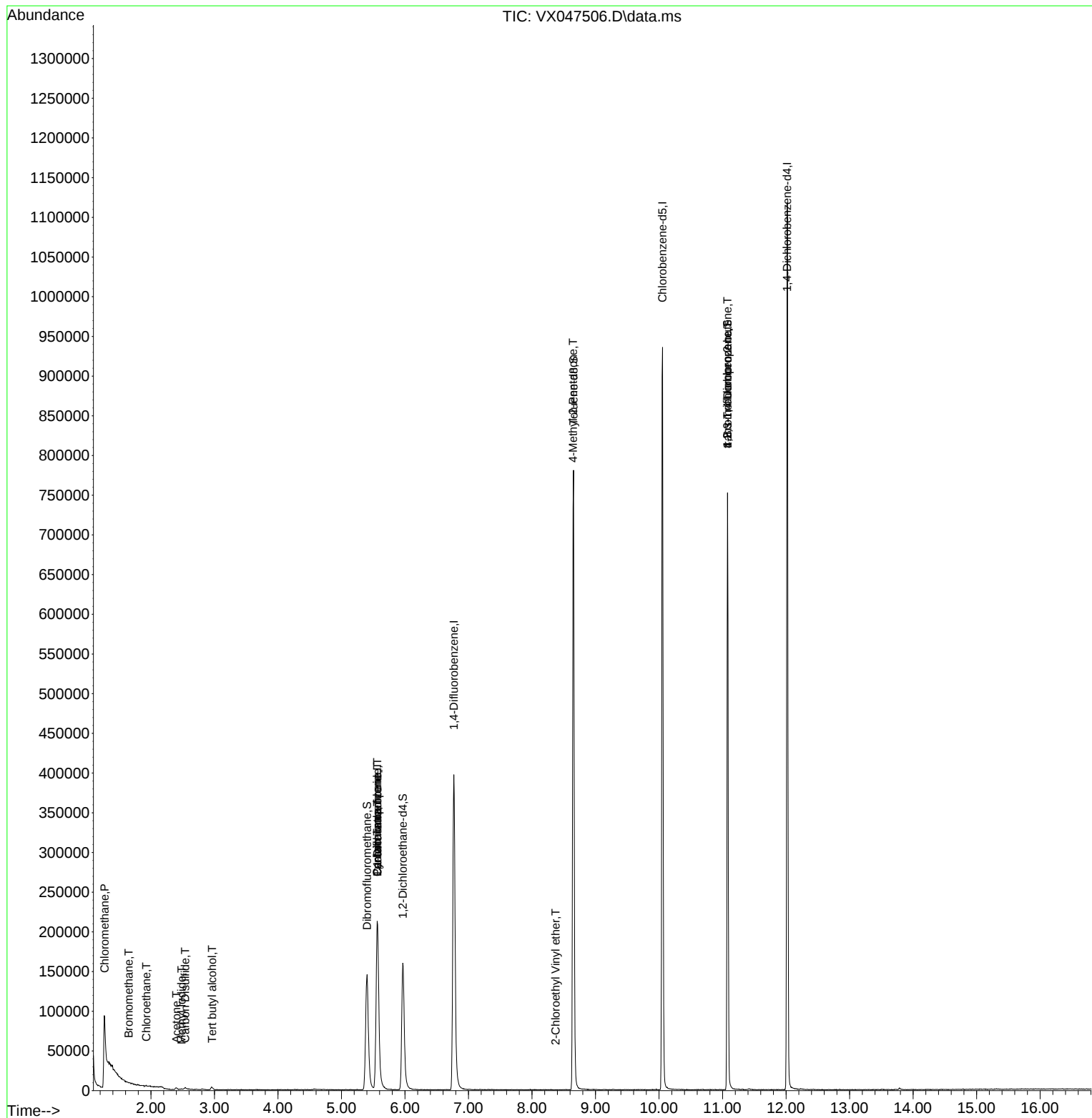
Internal Standards						
1) Pentafluorobenzene	5.562	168	213181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	431357	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	429628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	224982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	168690	56.540	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.080%
35) Dibromofluoromethane	5.403	113	139409	49.797	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.600%
50) Toluene-d8	8.653	98	481525	48.122	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.240%
62) 4-Bromofluorobenzene	11.079	95	201692	54.622	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.240%
Target Compounds						
						Qvalue
3) Chloromethane	1.270	50	3362	1.375	ug/l #	41
5) Bromomethane	1.648	94	254	0.205	ug/l #	63
6) Chloroethane	1.928	64	455	0.242	ug/l #	44
10) Methyl Iodide	2.483	142	1147	0.254	ug/l #	87
11) Tert butyl alcohol	2.965	59	1465	5.644	ug/l #	72
16) Acetone	2.398	43	3546	3.162	ug/l	89
17) Carbon Disulfide	2.538	76	1882	0.232	ug/l #	92
31) Cyclohexane	5.562	56	4729	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	17742	4.015	ug/l #	50
38) Carbon Tetrachloride	5.562	117	22556	4.671	ug/l #	14
51) 4-Methyl-2-Pentanone	8.647	43	2362	0.623	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.372	63	19	8.364	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	106043	25.699	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	106043	102.000	ug/l #	7

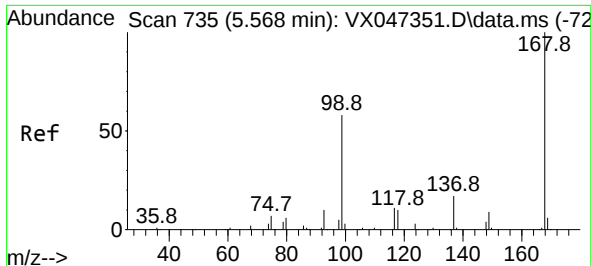
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047506.D
Acq On : 22 Aug 2025 18:09
Operator : JC/MD
Sample : Q2939-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Aug 25 01:32:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

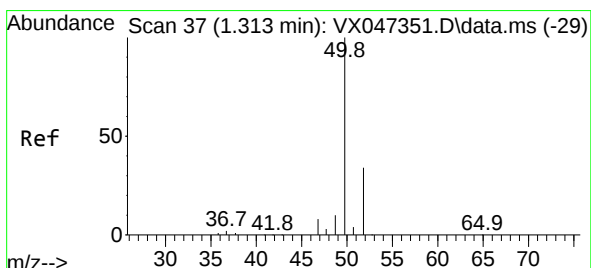
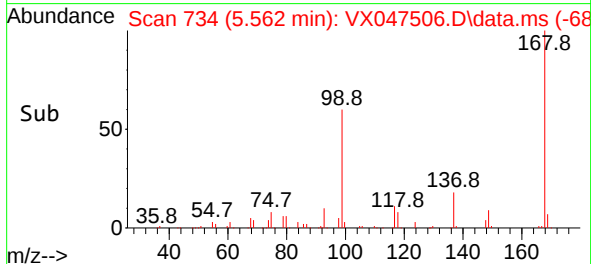
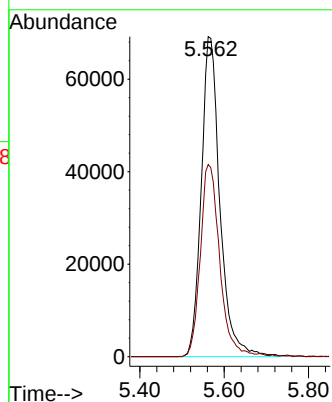
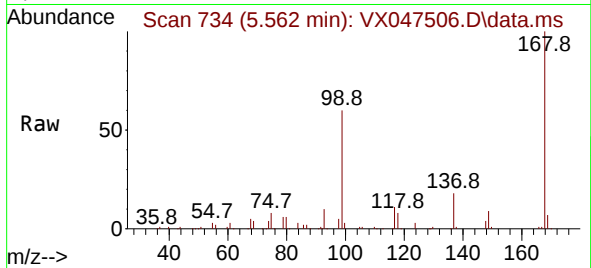




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

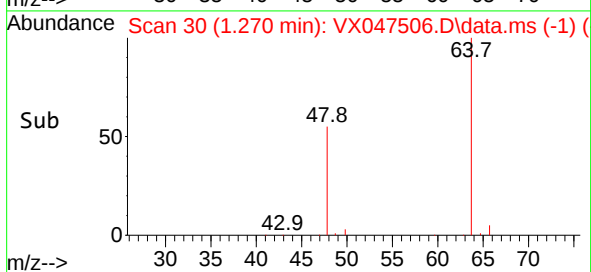
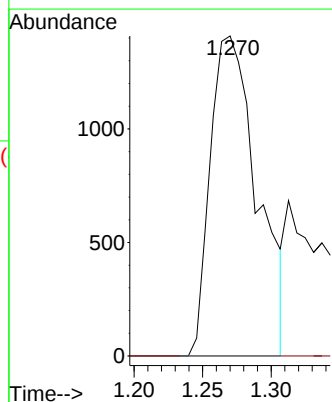
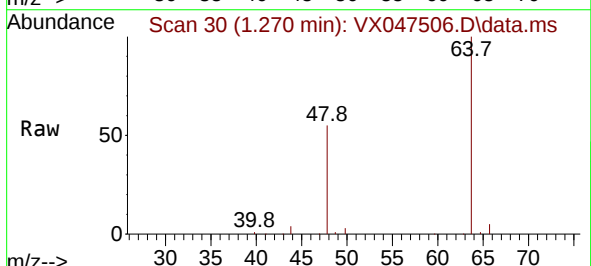
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

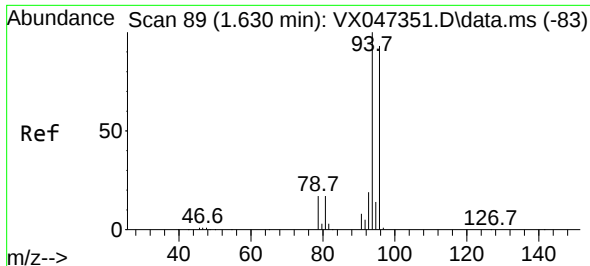
Tgt Ion:168 Resp: 213181
Ion Ratio Lower Upper
168 100
99 59.9 47.9 71.9



#3
Chloromethane
Concen: 1.375 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Tgt Ion: 50 Resp: 3362
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

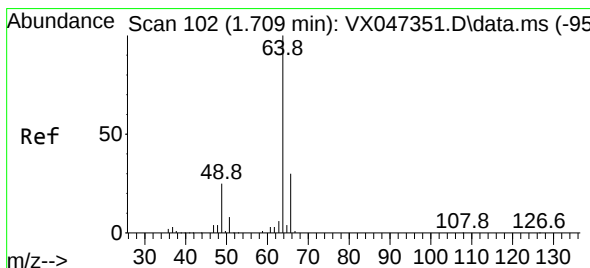
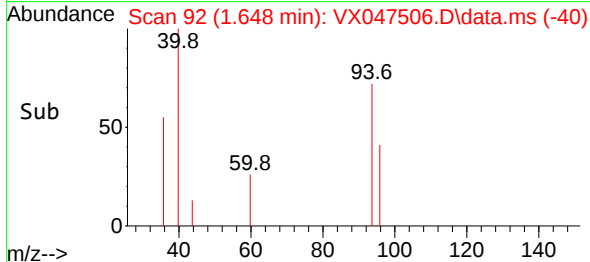
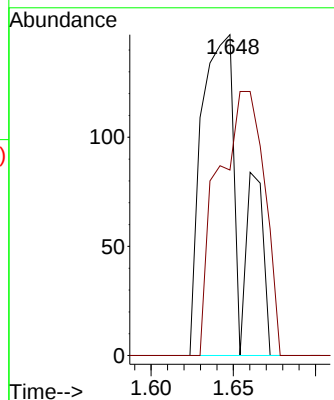
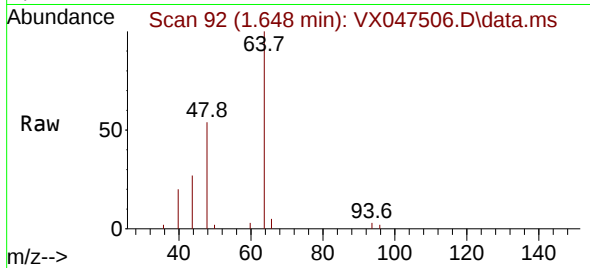




#5
Bromomethane
Concen: 0.205 ug/l
RT: 1.648 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

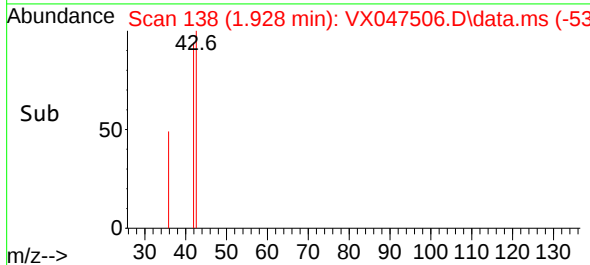
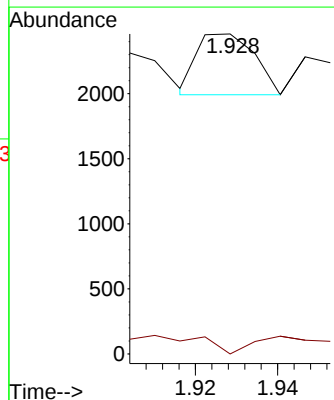
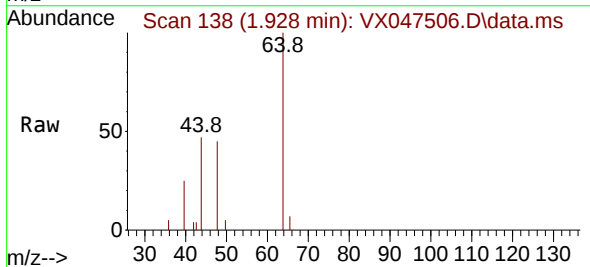
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

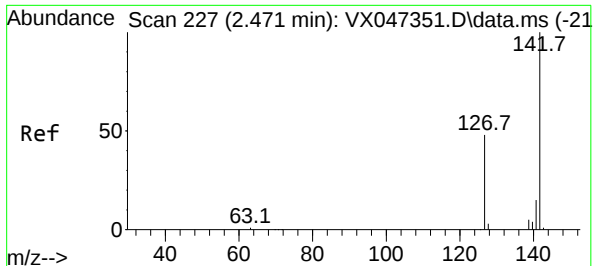
Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 57.8 74.7 112.1#



#6
Chloroethane
Concen: 0.242 ug/l
RT: 1.928 min Scan# 138
Delta R.T. 0.220 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

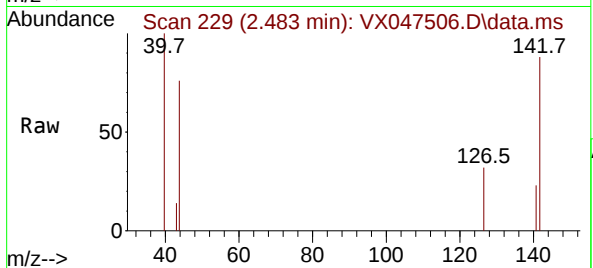
Tgt Ion: 64 Resp: 455
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



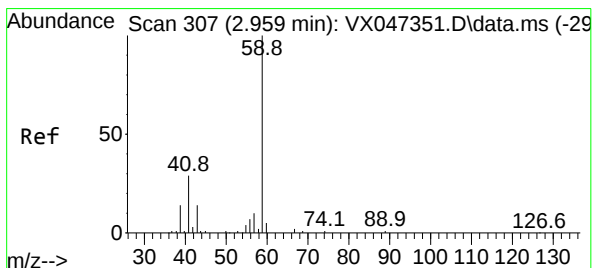
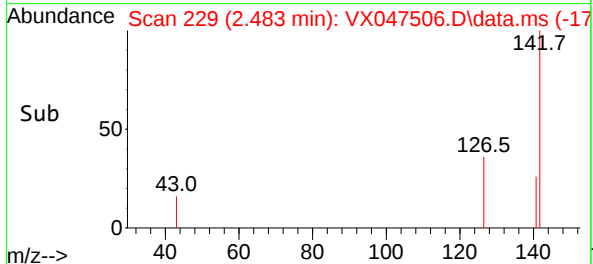
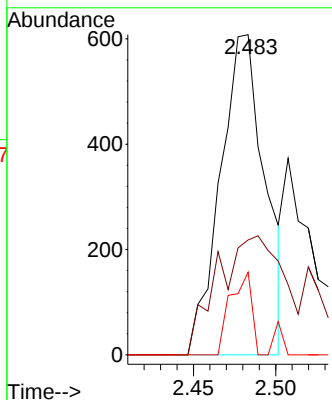


#10
Methyl Iodide
Concen: 0.254 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

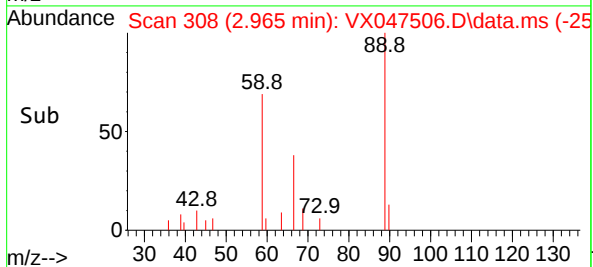
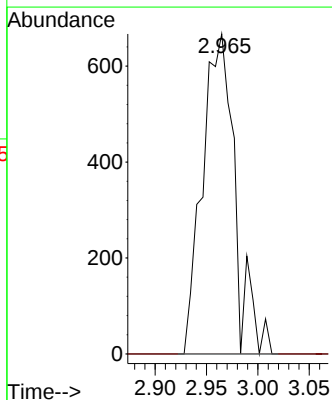
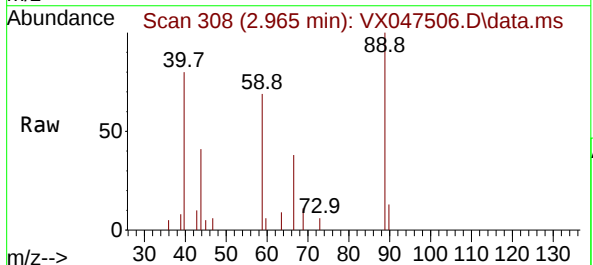


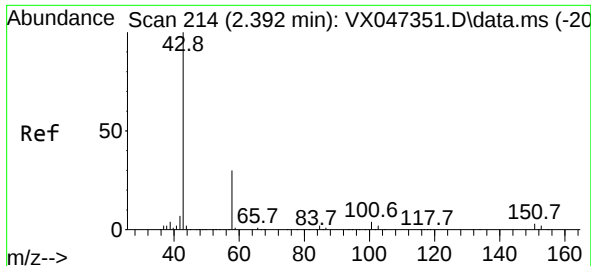
Tgt Ion:142 Resp: 1147
Ion Ratio Lower Upper
142 100
127 55.2 36.1 54.1#
141 12.3 11.1 16.7



#11
Tert butyl alcohol
Concen: 5.644 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Tgt Ion: 59 Resp: 1465
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

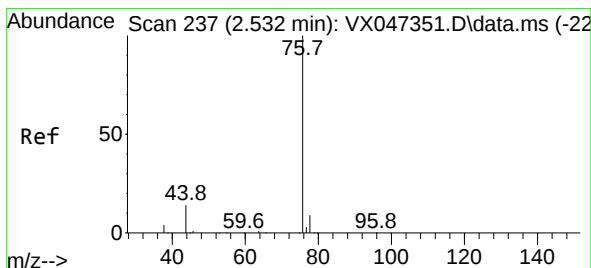
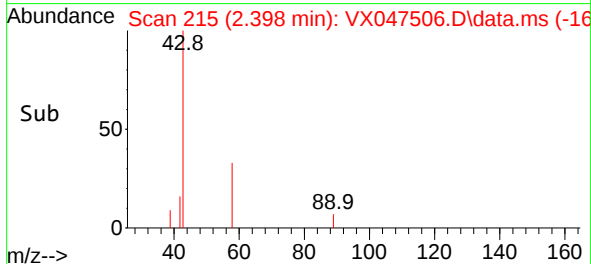
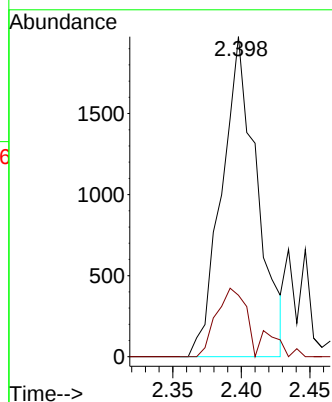
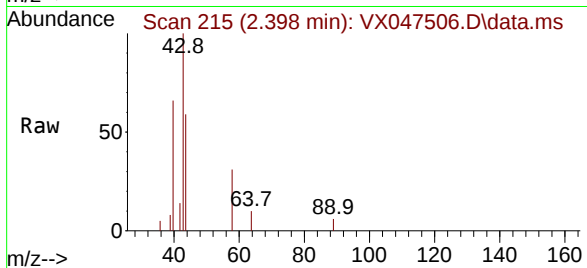




#16
Acetone
Concen: 3.162 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

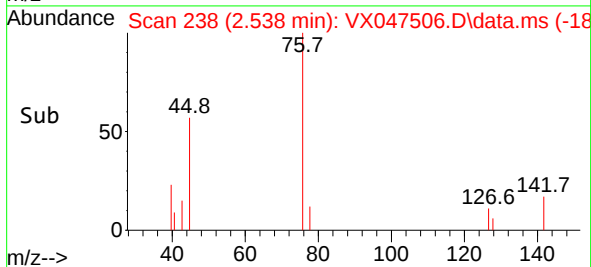
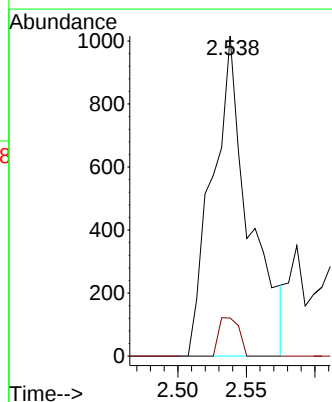
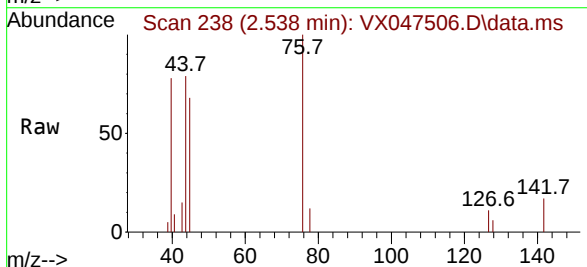
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

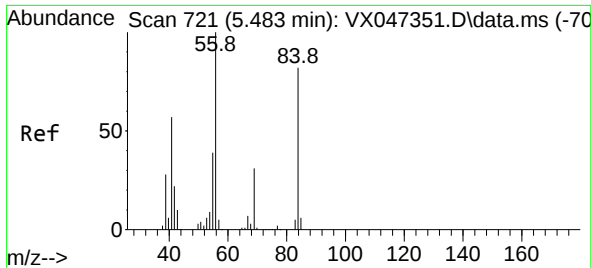
Tgt Ion: 43 Resp: 3546
Ion Ratio Lower Upper
43 100
58 25.0 24.8 37.2



#17
Carbon Disulfide
Concen: 0.232 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Tgt Ion: 76 Resp: 1882
Ion Ratio Lower Upper
76 100
78 11.9 7.2 10.8#

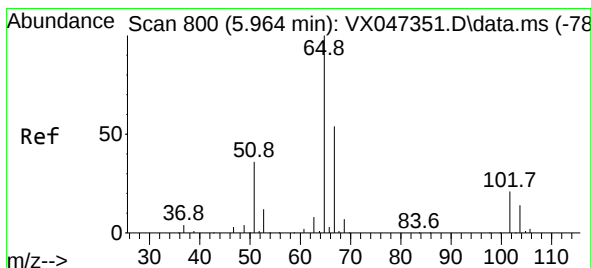
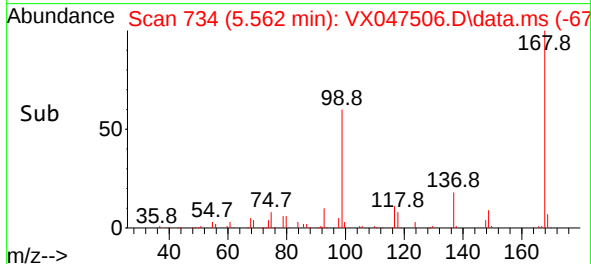
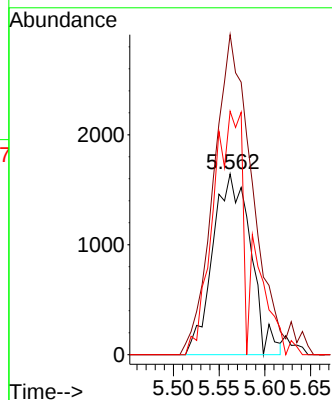
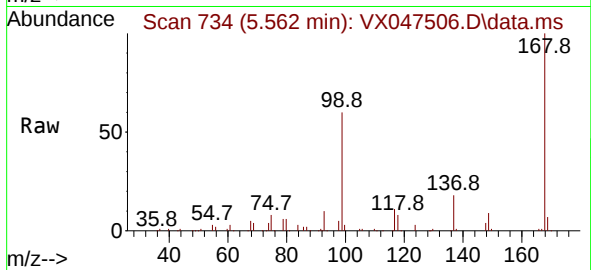




#31
Cyclohexane
Concen: 0.985 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

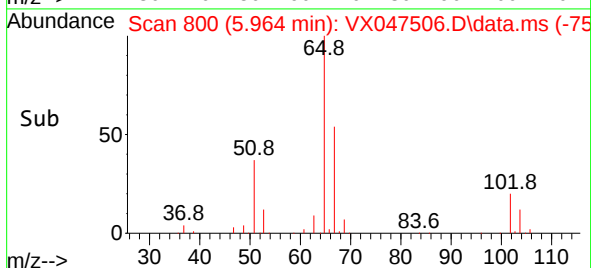
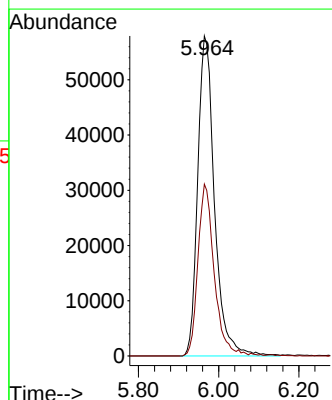
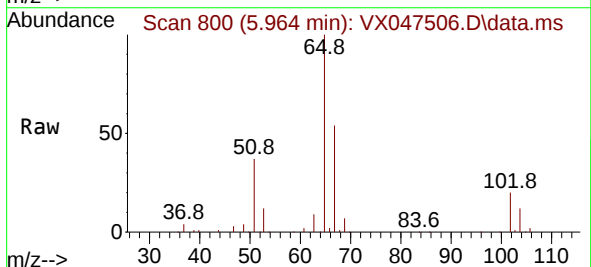
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

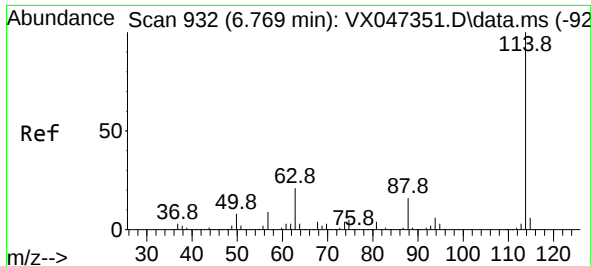
Tgt Ion: 56 Resp: 4729
Ion Ratio Lower Upper
56 100
69 176.9 24.3 36.5#
84 134.5 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 56.540 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Tgt Ion: 65 Resp: 168690
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.0

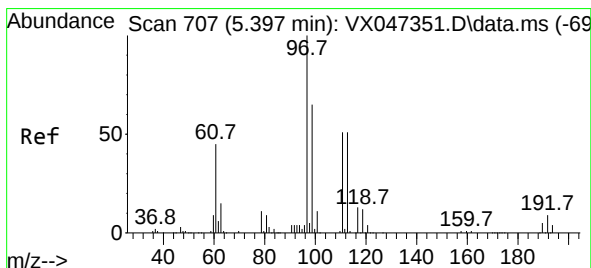
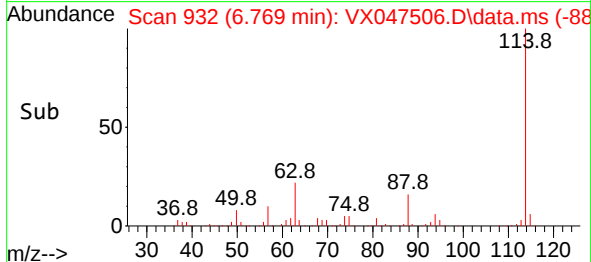
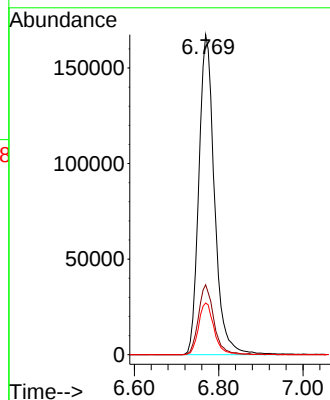
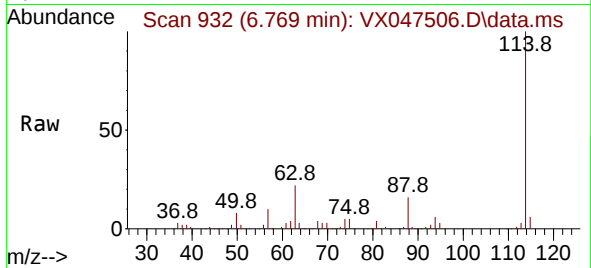




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

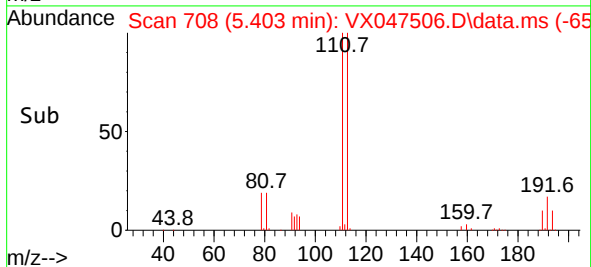
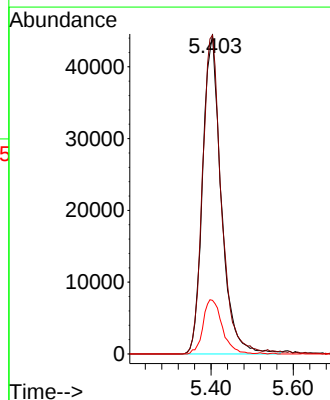
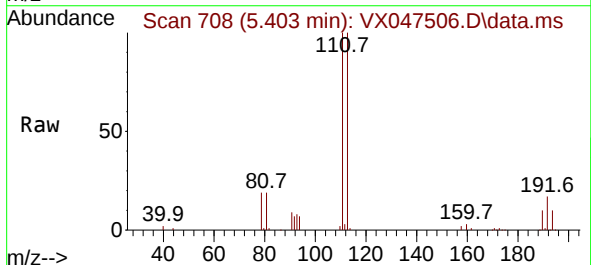
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

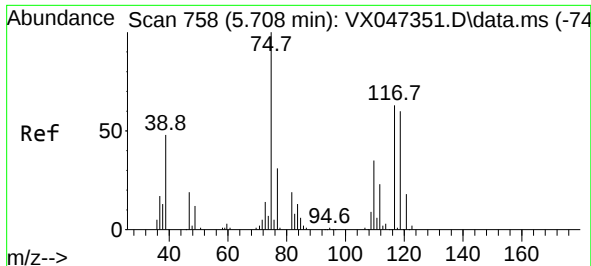
Tgt Ion:114 Resp: 431357
Ion Ratio Lower Upper
114 100
63 25.1 0.0 42.4
88 16.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.797 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Tgt Ion:113 Resp: 139409
Ion Ratio Lower Upper
113 100
111 100.8 81.4 122.2
192 17.5 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.015 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047506.D

Acq: 22 Aug 2025 18:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

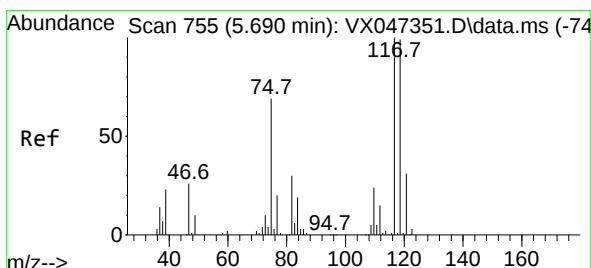
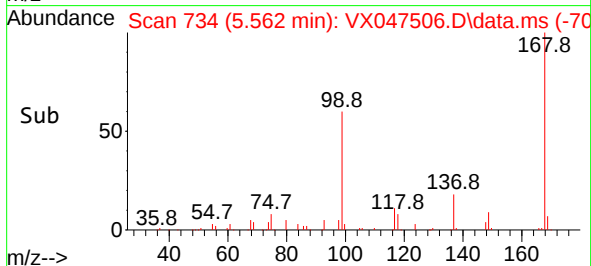
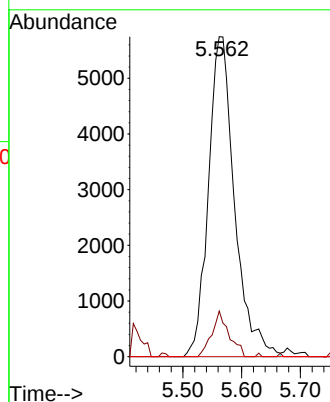
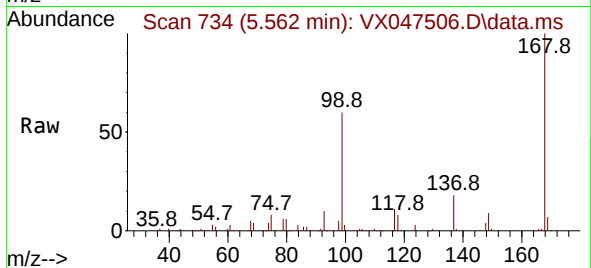
Tgt Ion: 75 Resp: 17742

Ion Ratio Lower Upper

75 100

110 9.3 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.671 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047506.D

Acq: 22 Aug 2025 18:09

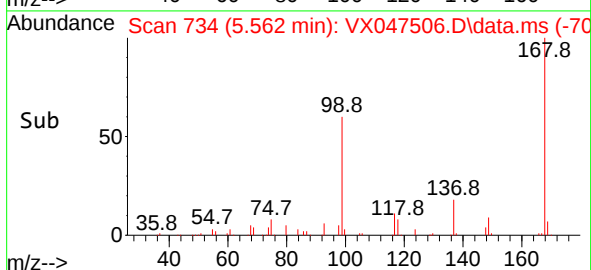
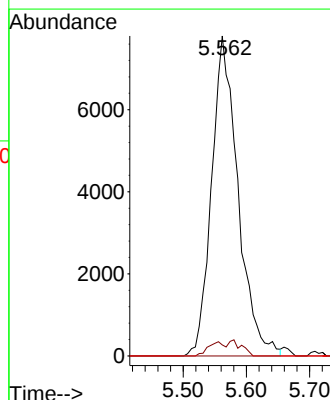
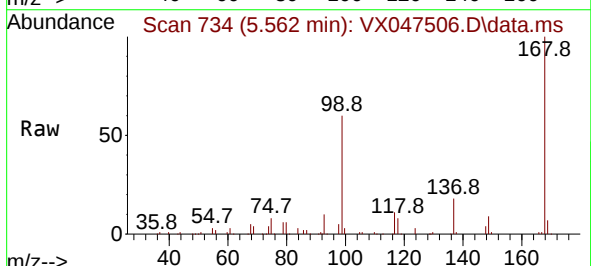
Tgt Ion: 117 Resp: 22556

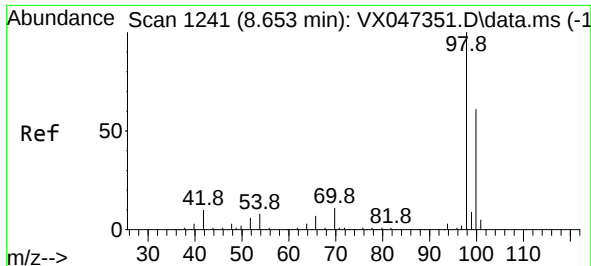
Ion Ratio Lower Upper

117 100

119 3.4 78.5 117.7#

121 0.0 24.7 37.1#

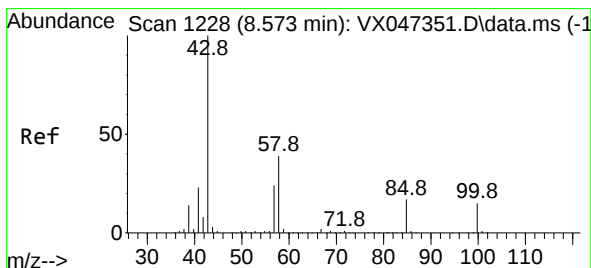
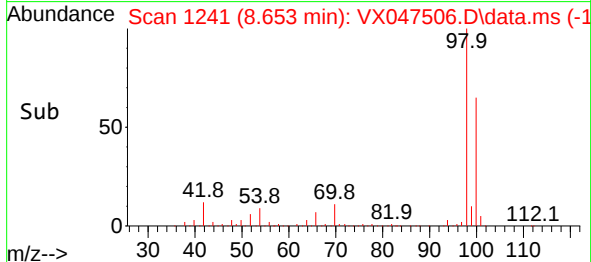
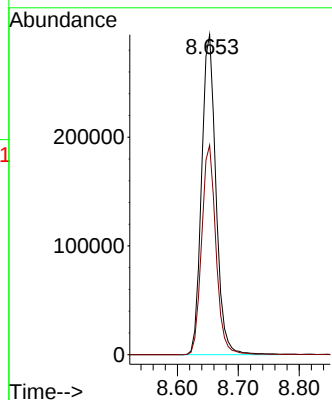
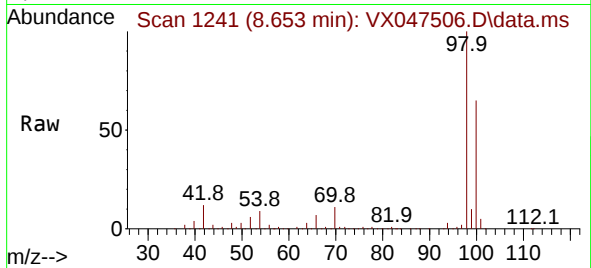




#50
Toluene-d8
Concen: 48.122 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

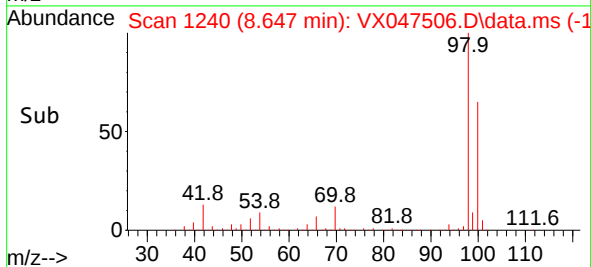
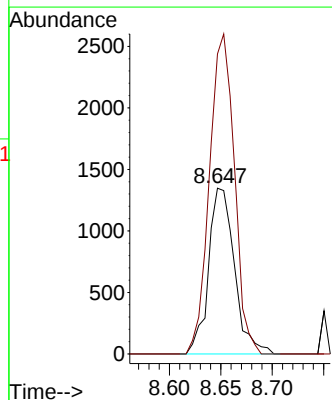
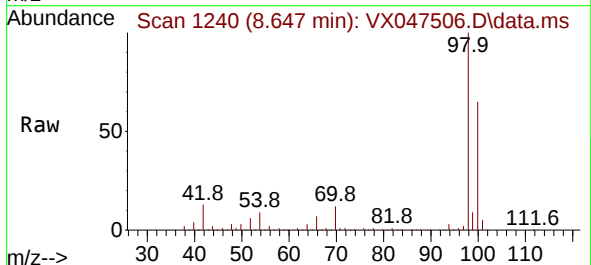
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

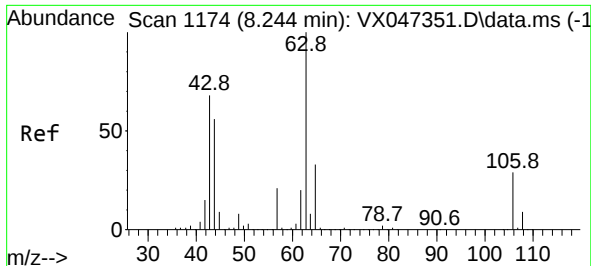
Tgt Ion: 98 Resp: 481525
Ion Ratio Lower Upper
98 100
100 65.3 53.9 80.9



#51
4-Methyl-2-Pentanone
Concen: 0.623 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Tgt Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
58 185.9 31.2 46.8#

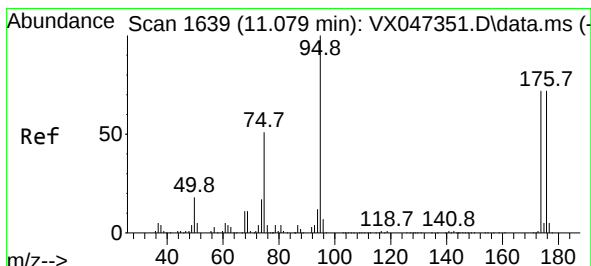
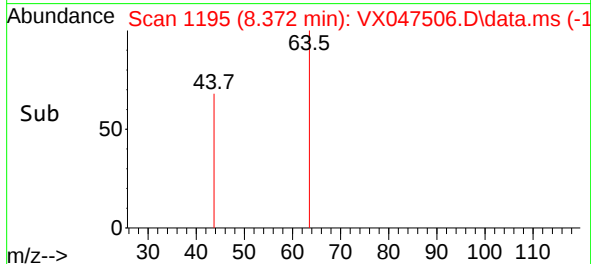
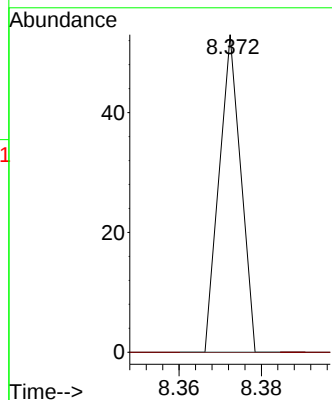
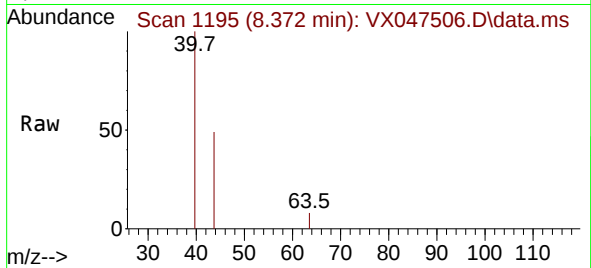




#58
2-Chloroethyl Vinyl ether
Concen: 8.364 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.128 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

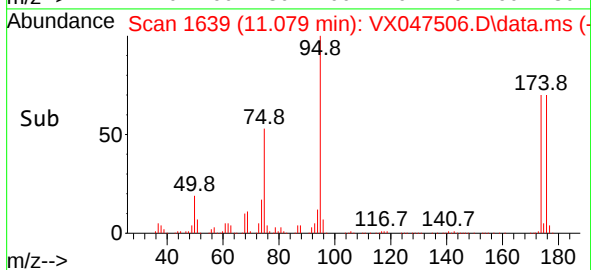
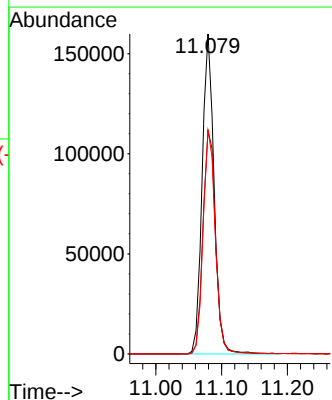
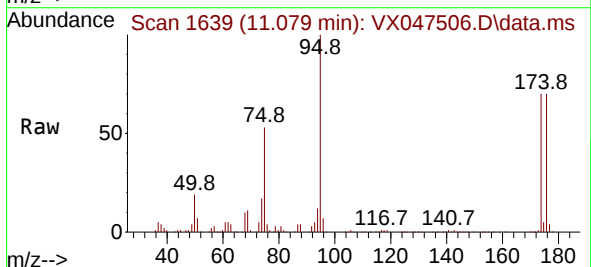
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

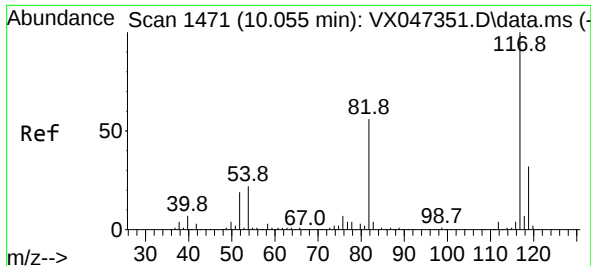
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 54.622 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Tgt Ion: 95 Resp: 201692
Ion Ratio Lower Upper
95 100
174 73.9 0.0 148.0
176 71.6 0.0 145.4

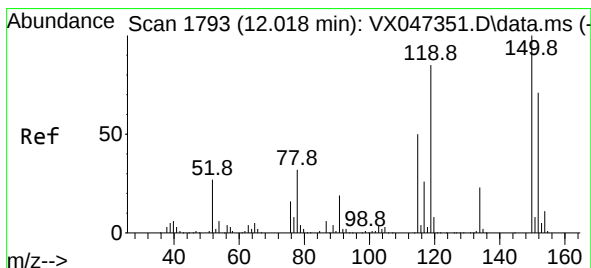
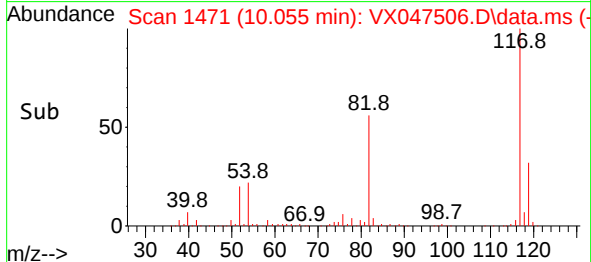
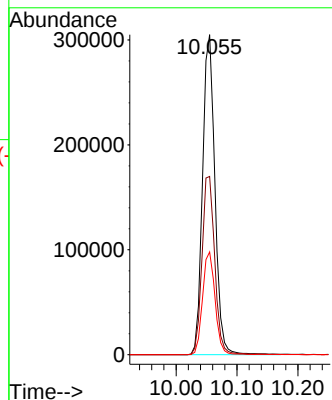
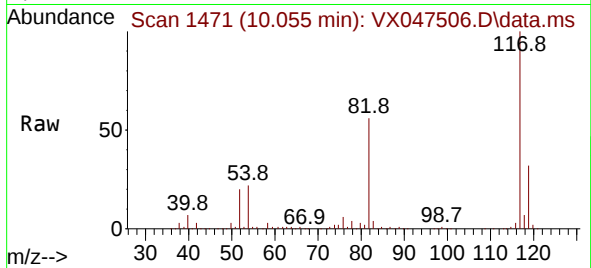




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

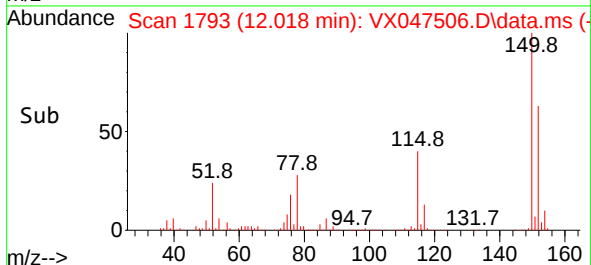
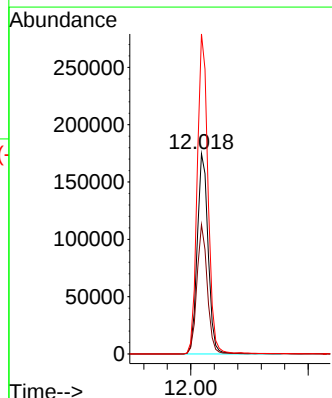
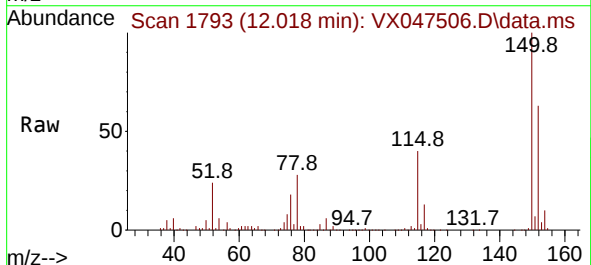
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

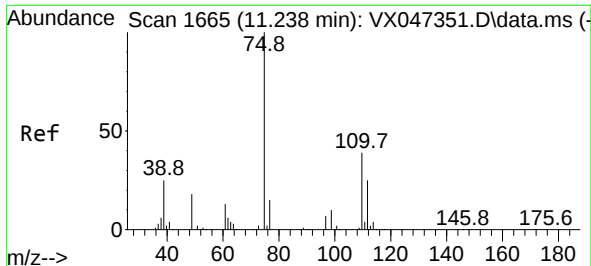
Tgt Ion:117 Resp: 429628
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.4
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Tgt Ion:152 Resp: 224982
Ion Ratio Lower Upper
152 100
115 61.6 44.6 133.8
150 157.3 0.0 349.8

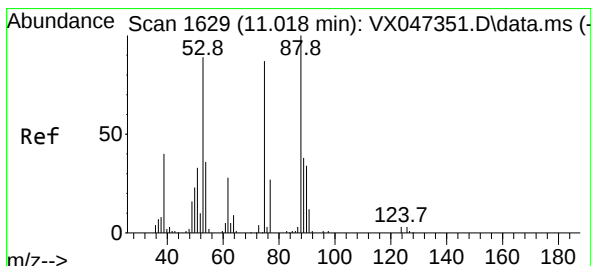
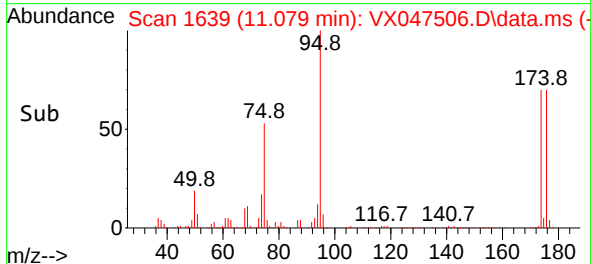
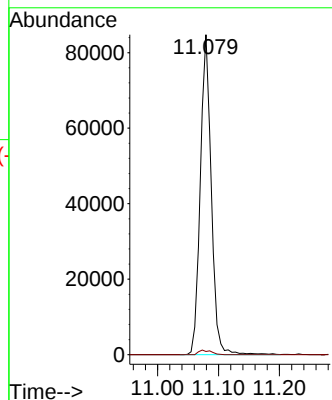
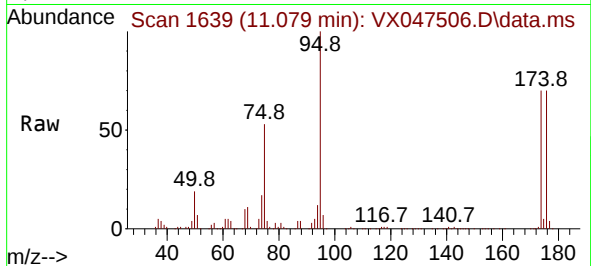




#76
1,2,3-Trichloropropane
Concen: 25.699 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 75 Resp: 106043
Ion Ratio Lower Upper
75 100
77 1.6 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.000 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047506.D
Acq: 22 Aug 2025 18:09

Tgt Ion: 75 Resp: 106043
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

