

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047363.D
 Acq On : 15 Aug 2025 15:32
 Operator : JC/MD
 Sample : Q2880-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 04:35:00 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

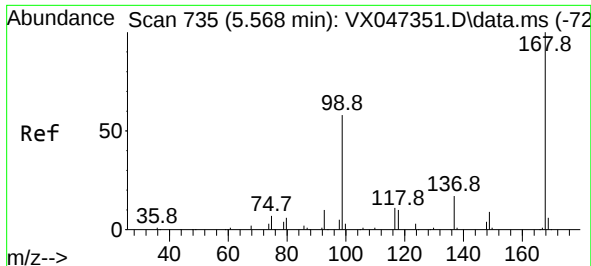
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	319933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	613476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	606257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	299369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	248212	55.435	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.860%
35) Dibromofluoromethane	5.403	113	208246	52.303	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.600%
50) Toluene-d8	8.653	98	758788	53.319	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.640%
62) 4-Bromofluorobenzene	11.079	95	307817	58.615	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.220%
Target Compounds						
						Qvalue
5) Bromomethane	1.642	94	802	0.431	ug/l	87
10) Methyl Iodide	2.477	142	3769	0.557	ug/l #	85
11) Tert butyl alcohol	2.965	59	1173	3.011	ug/l #	72
16) Acetone	2.398	43	2746	1.632	ug/l	93
17) Carbon Disulfide	2.532	76	3993	0.328	ug/l	96
31) Cyclohexane	5.556	56	6723	0.933	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	25577	4.069	ug/l #	51
38) Carbon Tetrachloride	5.562	117	32728	4.765	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.189	63	69	8.377	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	160248	29.185	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	160248	114.772	ug/l #	7
94) Hexachlorobutadiene	13.725	225	719	0.290	ug/l	80

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

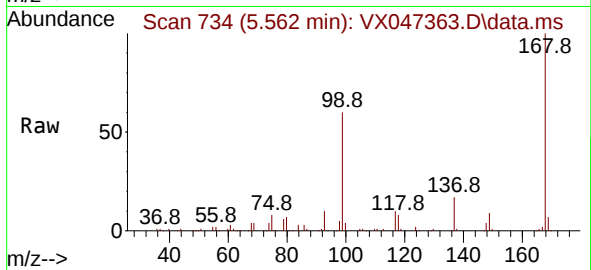
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



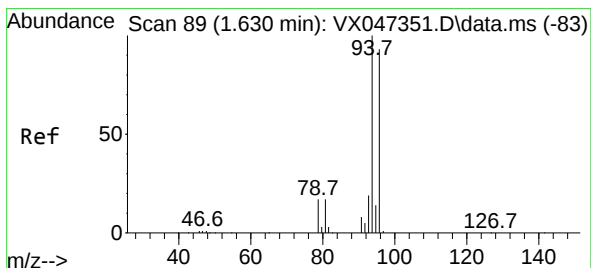
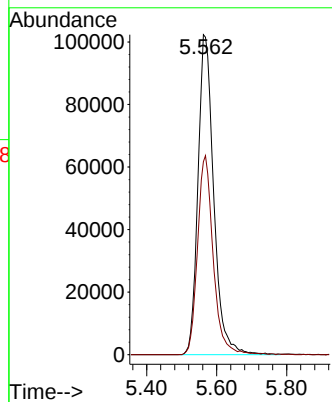
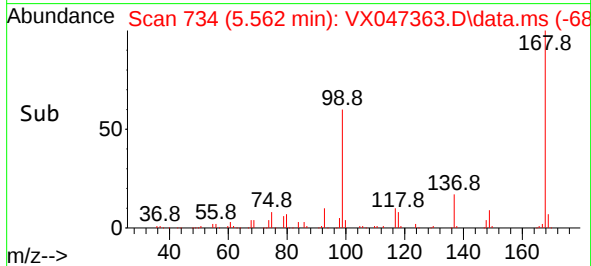


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :

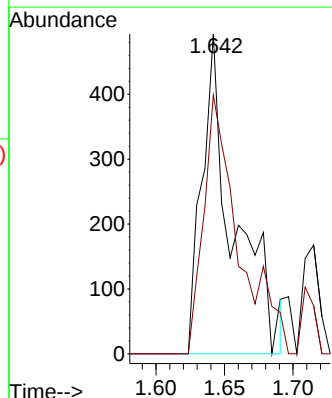
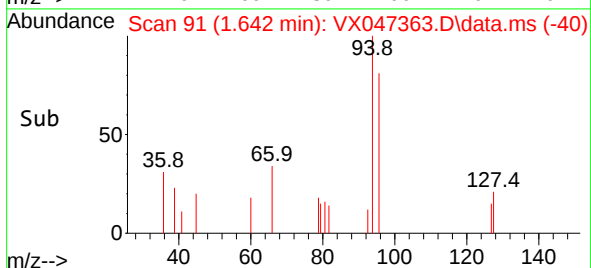
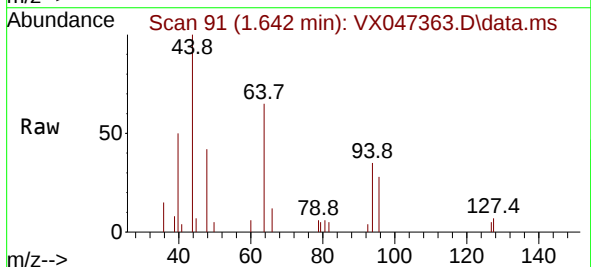


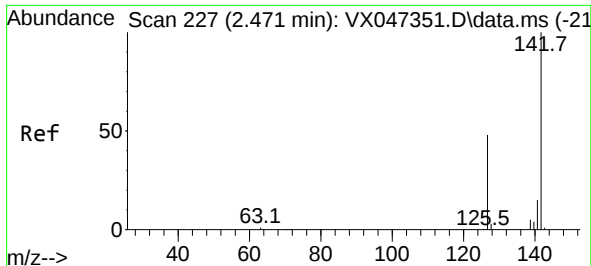
Tgt Ion:168 Resp: 319933
Ion Ratio Lower Upper
168 100
99 60.2 47.9 71.9



#5
Bromomethane
Concen: 0.431 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

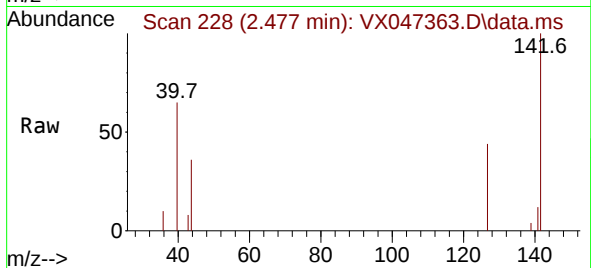
Tgt Ion: 94 Resp: 802
Ion Ratio Lower Upper
94 100
96 80.9 74.7 112.1



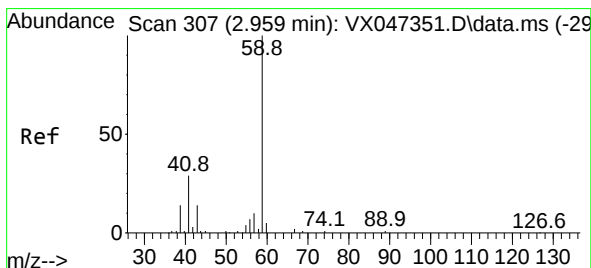
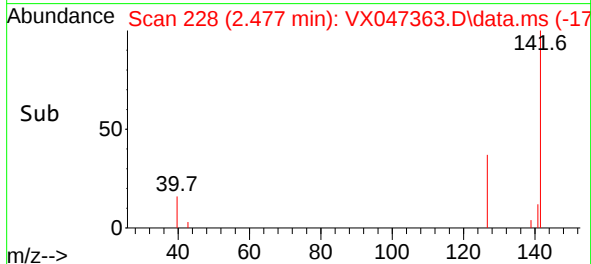
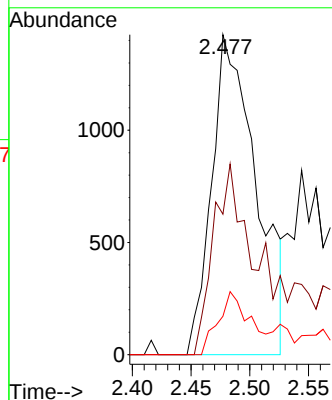


#10
Methyl Iodide
Concen: 0.557 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :

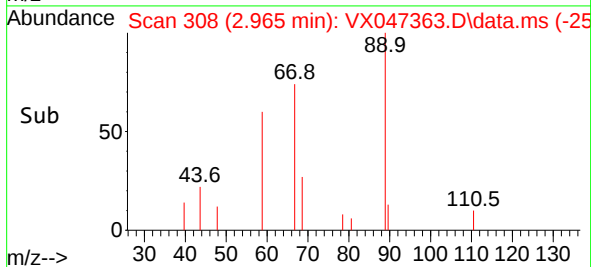
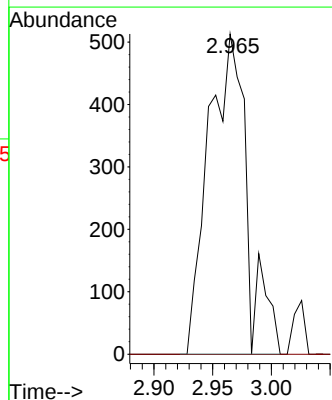
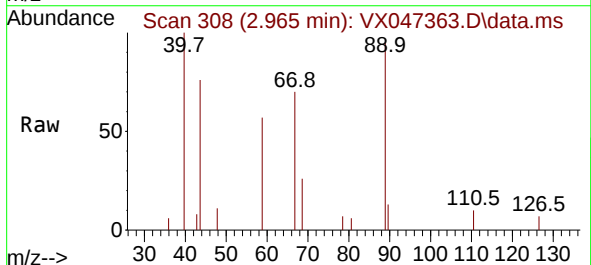


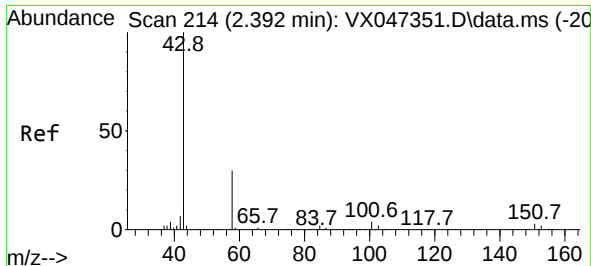
Tgt Ion:142 Resp: 3769
Ion Ratio Lower Upper
142 100
127 57.6 36.1 54.1#
141 14.0 11.1 16.7



#11
Tert butyl alcohol
Concen: 3.011 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

Tgt Ion: 59 Resp: 1173
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

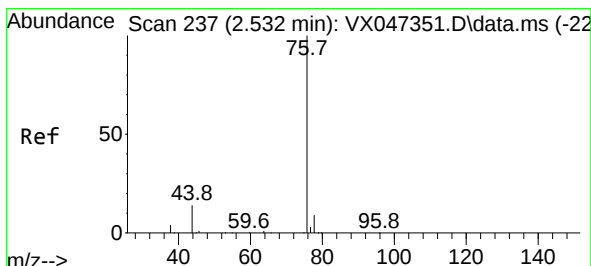
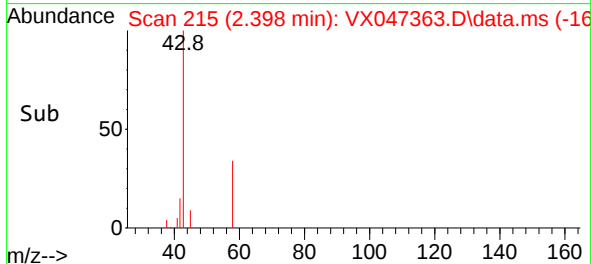
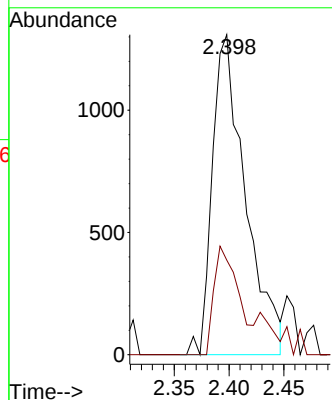
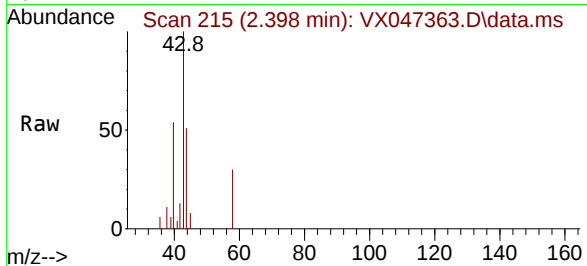




#16
Acetone
Concen: 1.632 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

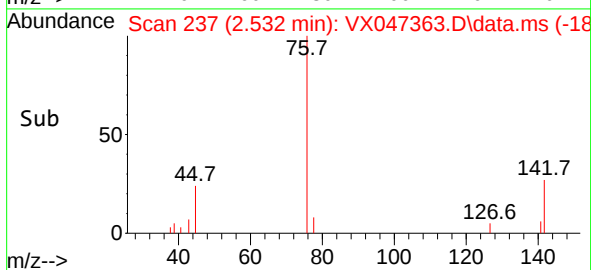
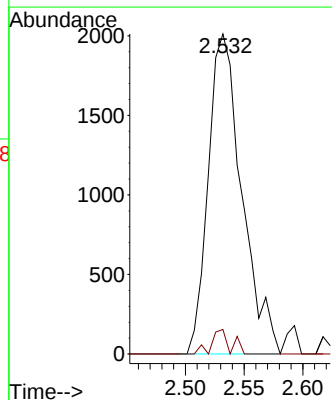
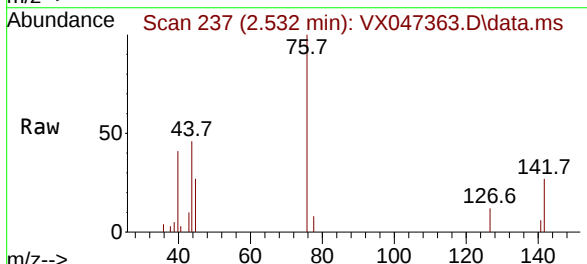
Instrument :
MSVOA_X
ClientSampleId :

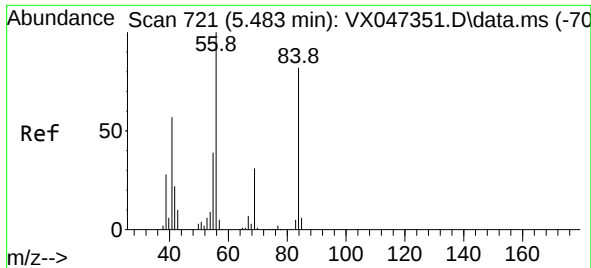
Tgt Ion: 43 Resp: 2746
Ion Ratio Lower Upper
43 100
58 27.3 24.8 37.2



#17
Carbon Disulfide
Concen: 0.328 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

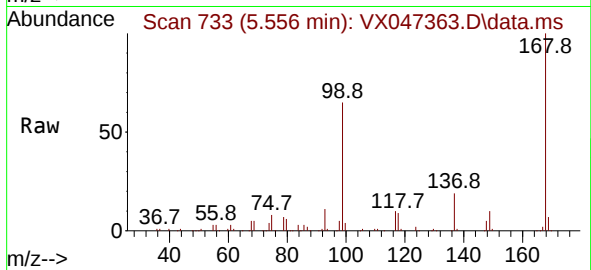
Tgt Ion: 76 Resp: 3993
Ion Ratio Lower Upper
76 100
78 7.7 7.2 10.8



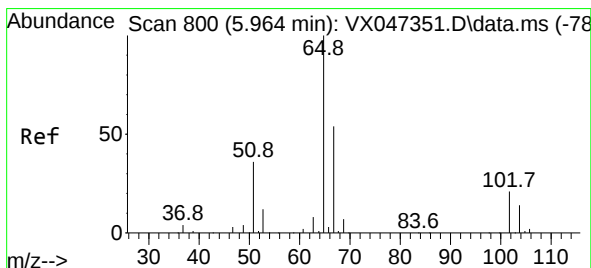
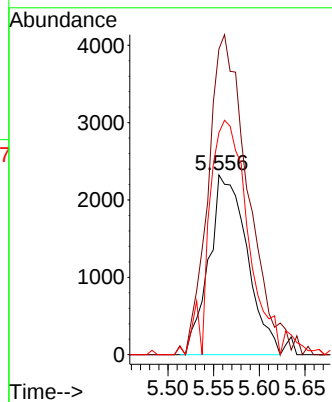
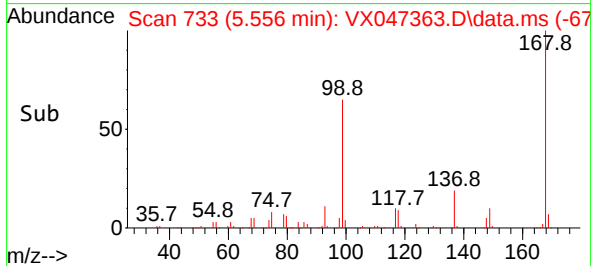


#31
Cyclohexane
Concen: 0.933 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :

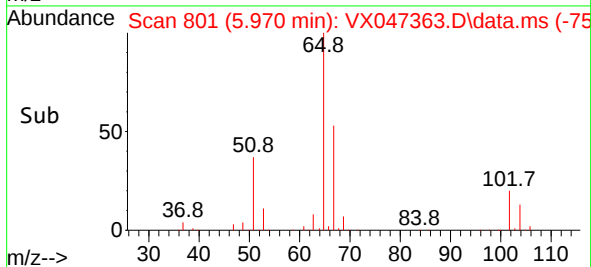
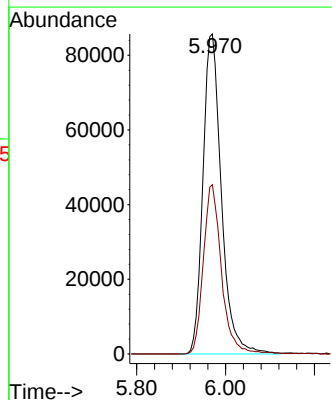
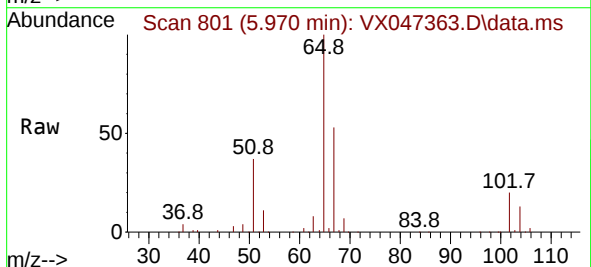


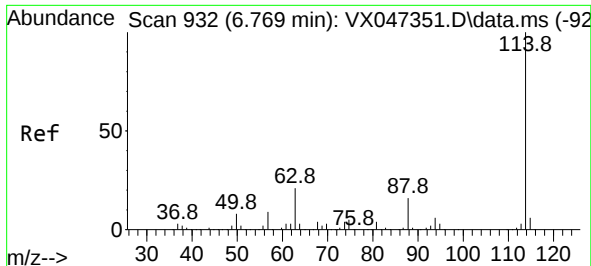
Tgt Ion: 56 Resp: 6723
Ion Ratio Lower Upper
56 100
69 165.1 24.3 36.5#
84 123.5 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 55.435 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

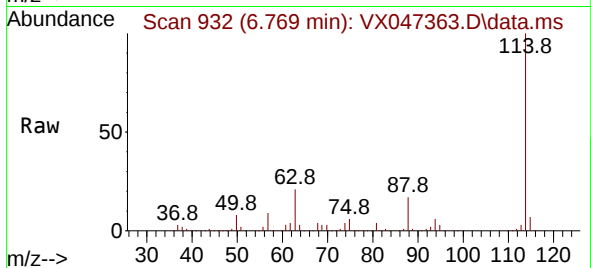
Tgt Ion: 65 Resp: 248212
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.0



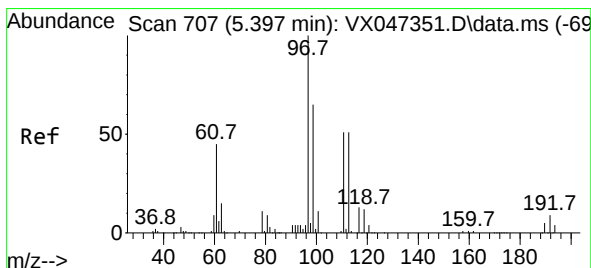
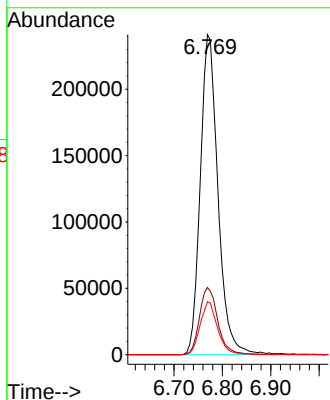
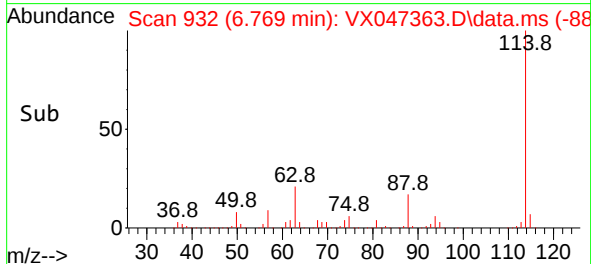


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :

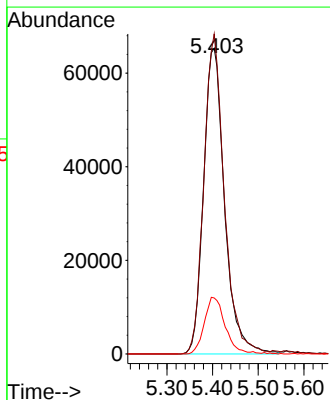
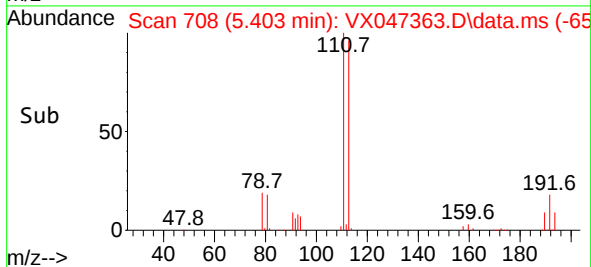
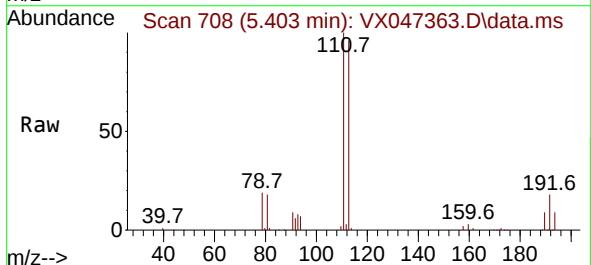


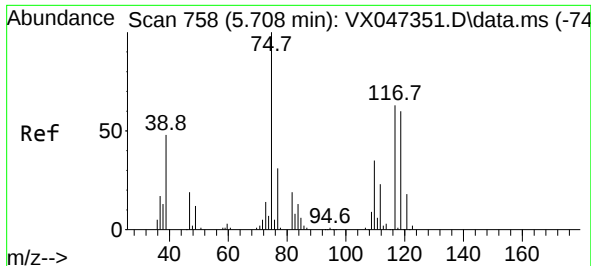
Tgt Ion:114 Resp: 613476
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.4
88 16.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.303 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

Tgt Ion:113 Resp: 208246
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.2
192 18.4 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.069 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.146 min

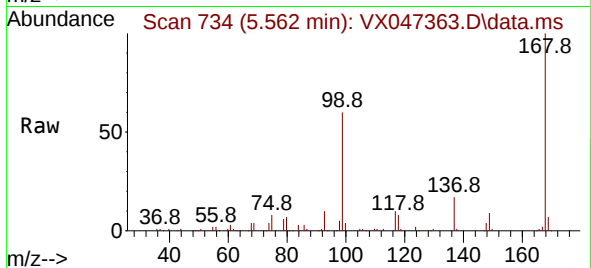
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Acq: 15 Aug 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :



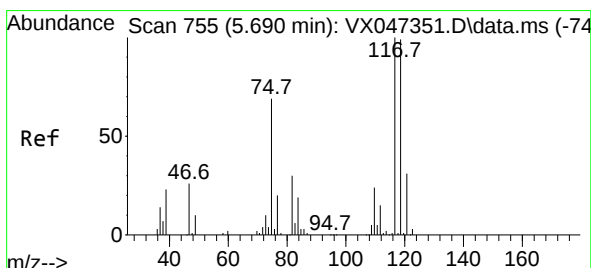
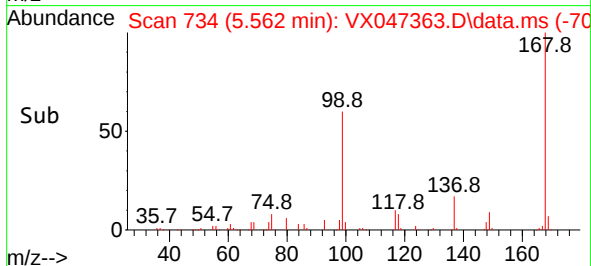
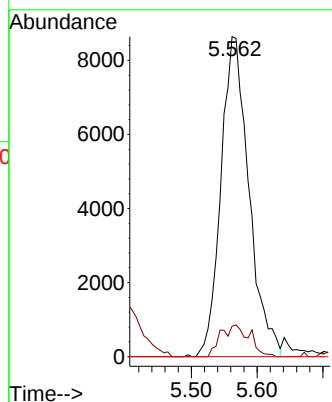
Tgt Ion: 75 Resp: 25577

Ion Ratio Lower Upper

75 100

110 10.4 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.765 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047363.D

Acq: 15 Aug 2025 15:32

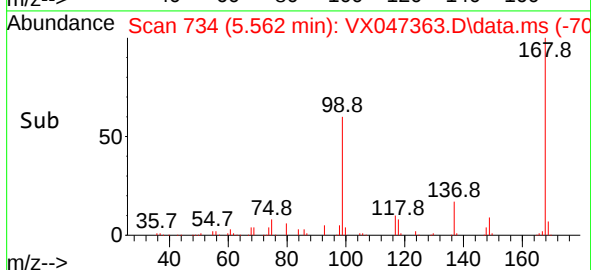
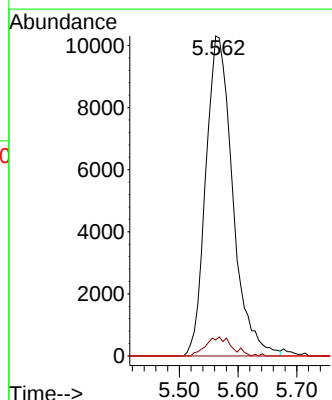
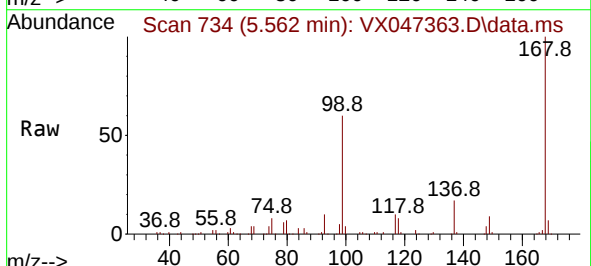
Tgt Ion: 117 Resp: 32728

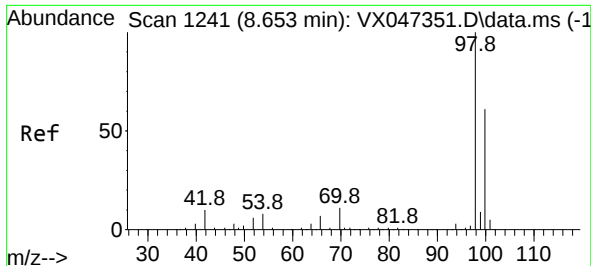
Ion Ratio Lower Upper

117 100

119 5.0 78.5 117.7#

121 0.0 24.7 37.1#

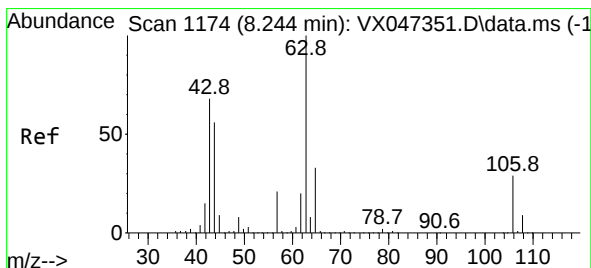
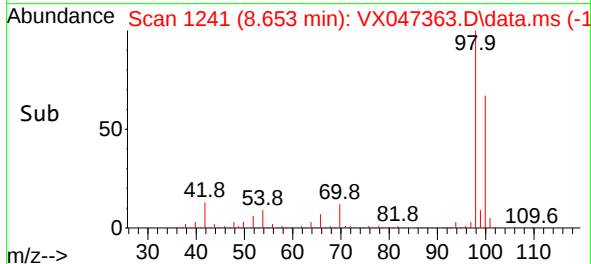
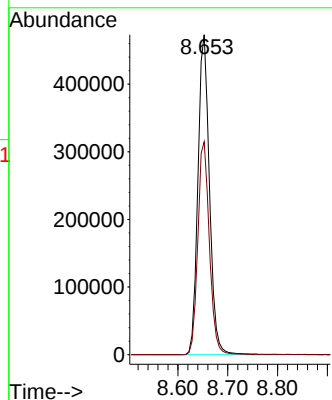
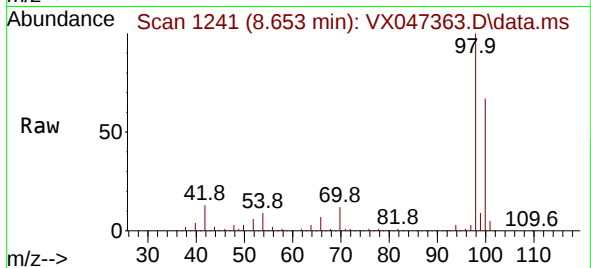




#50
Toluene-d8
Concen: 53.319 ug/l
RT: 8.653 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

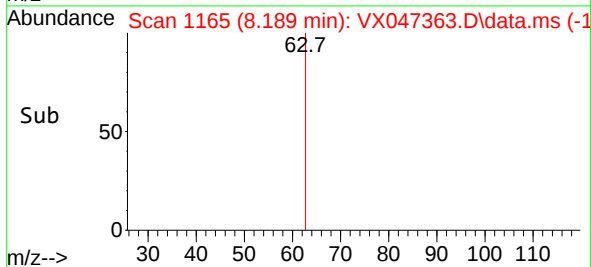
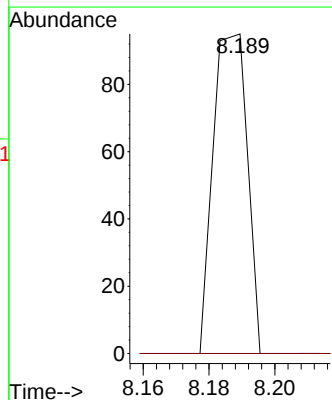
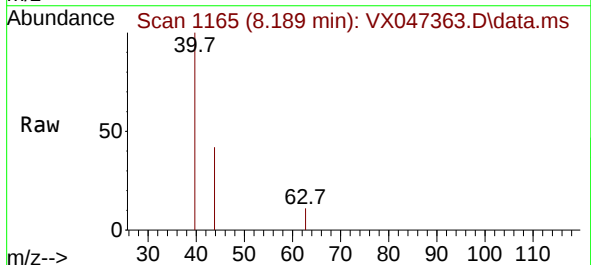
Instrument :
MSVOA_X
ClientSampleId :

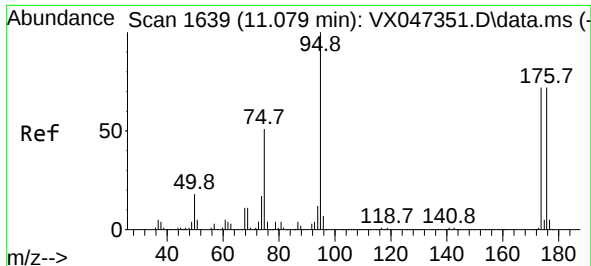
Tgt Ion: 98 Resp: 758788
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.377 ug/l
RT: 8.189 min Scan# 1165
Delta R.T. -0.055 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

Tgt Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#





#62

4-Bromofluorobenzene

Concen: 58.615 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047363.D

Acq: 15 Aug 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

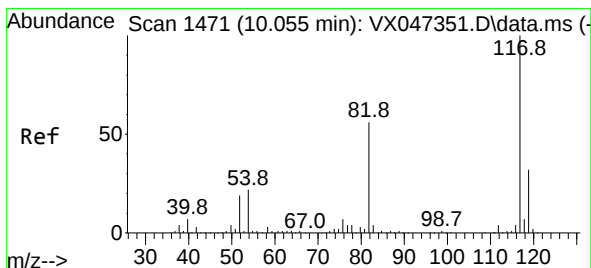
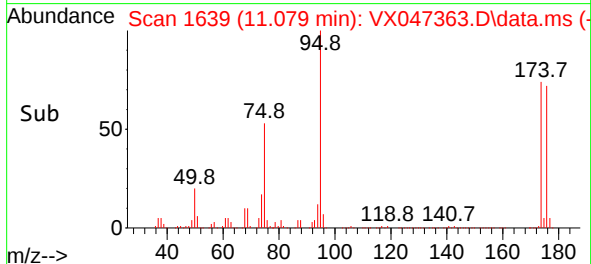
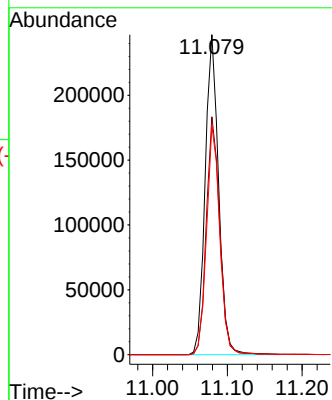
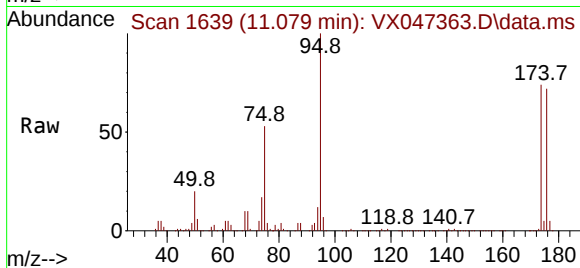
Tgt Ion: 95 Resp: 307817

Ion Ratio Lower Upper

95 100

174 74.9 0.0 148.0

176 70.5 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: VX047363.D

Acq: 15 Aug 2025 15:32

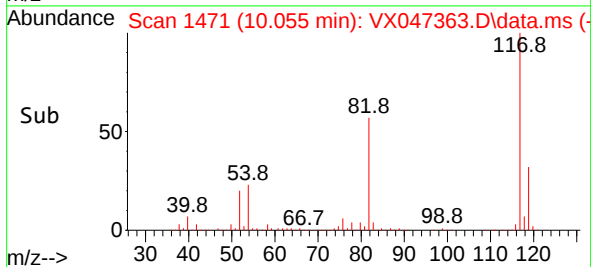
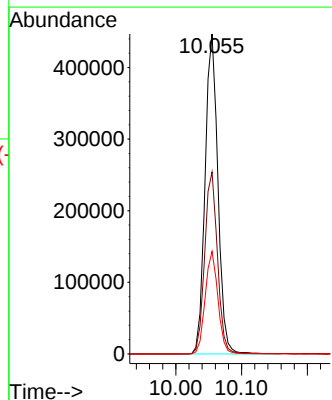
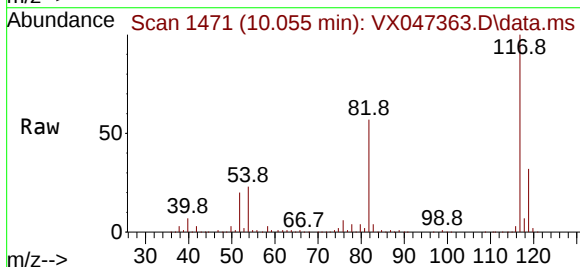
Tgt Ion: 117 Resp: 606257

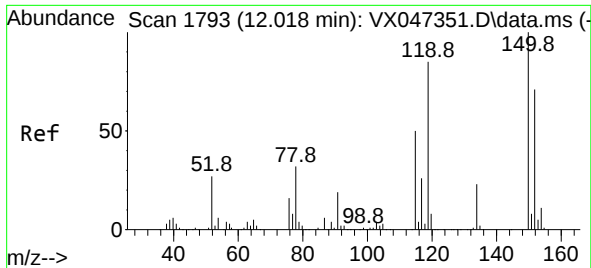
Ion Ratio Lower Upper

117 100

82 56.8 45.0 67.4

119 32.1 25.8 38.8

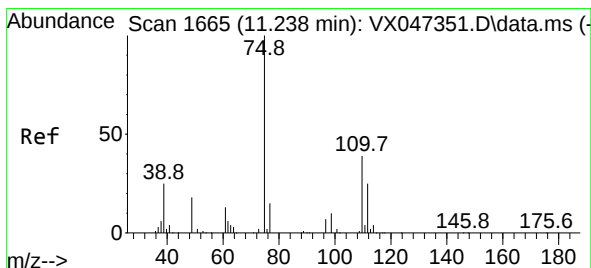
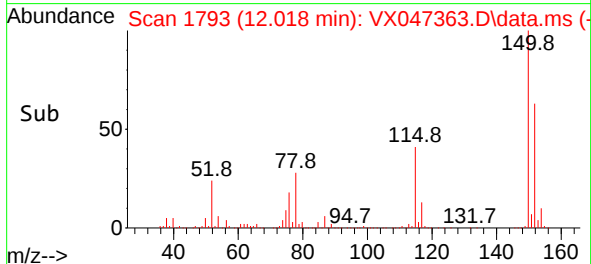
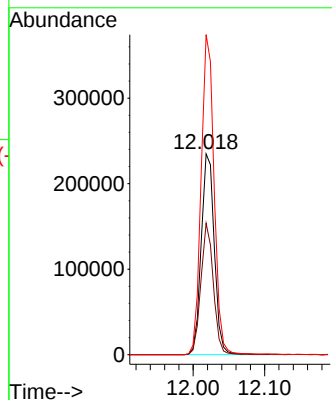
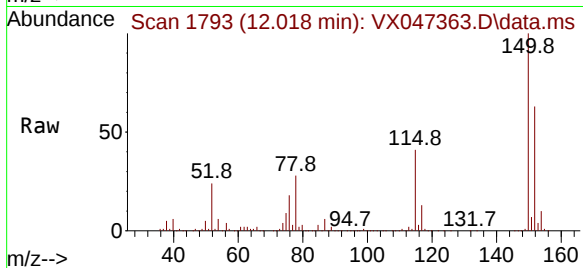




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX047363.D
 Acq: 15 Aug 2025 15:32

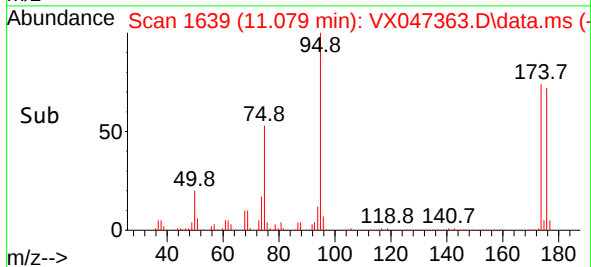
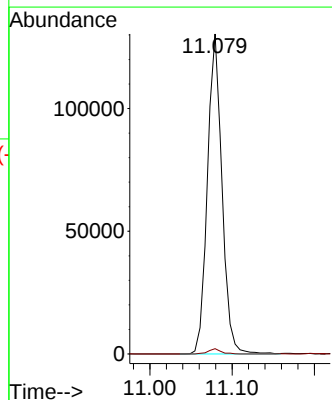
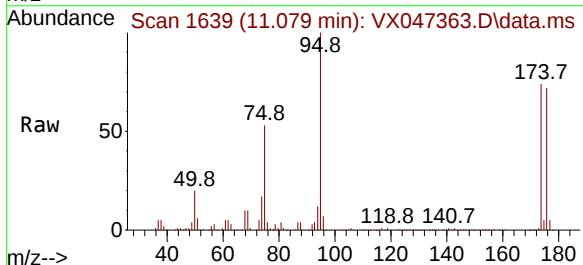
Instrument :
 MSVOA_X
 ClientSampleId :

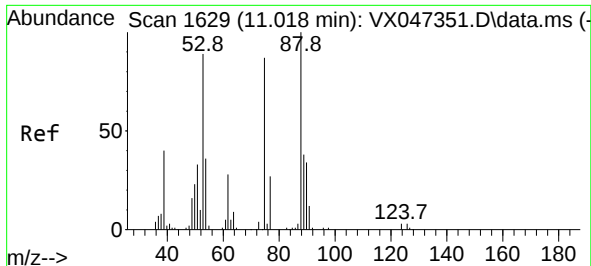
Tgt Ion:152 Resp: 299369
 Ion Ratio Lower Upper
 152 100
 115 62.2 44.6 133.8
 150 157.5 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.185 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX047363.D
 Acq: 15 Aug 2025 15:32

Tgt Ion: 75 Resp: 160248
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.4 58.2#

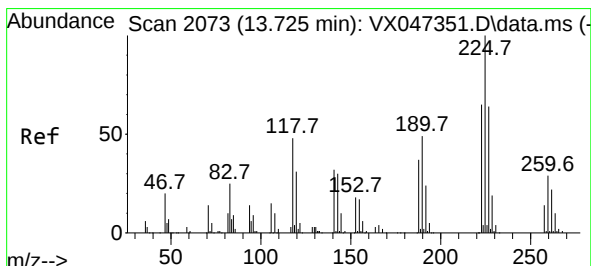
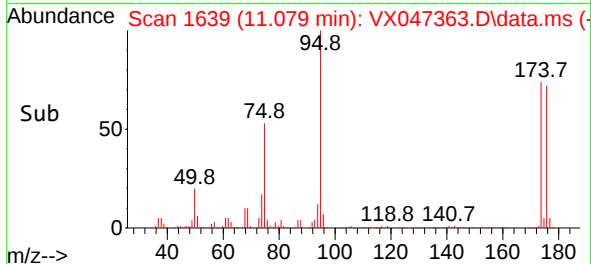
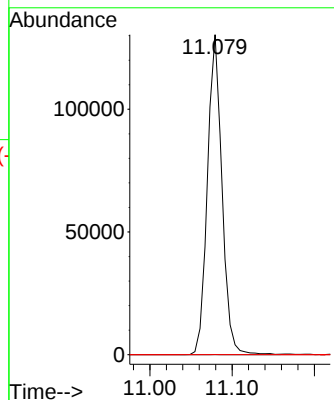
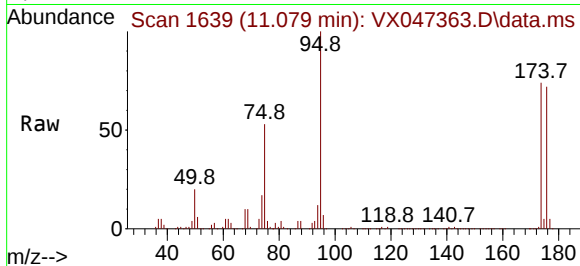




#81
trans-1,4-Dichloro-2-butene
Concen: 114.772 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 160248
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.290 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047363.D
Acq: 15 Aug 2025 15:32

Tgt Ion: 225 Resp: 719
Ion Ratio Lower Upper
225 100
223 76.8 32.2 96.6
227 82.5 31.6 95.0

