

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047291.D
 Acq On : 12 Aug 2025 13:05
 Operator : JC/MD
 Sample : Q2814-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-17M-N

Quant Time: Aug 13 01:19:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

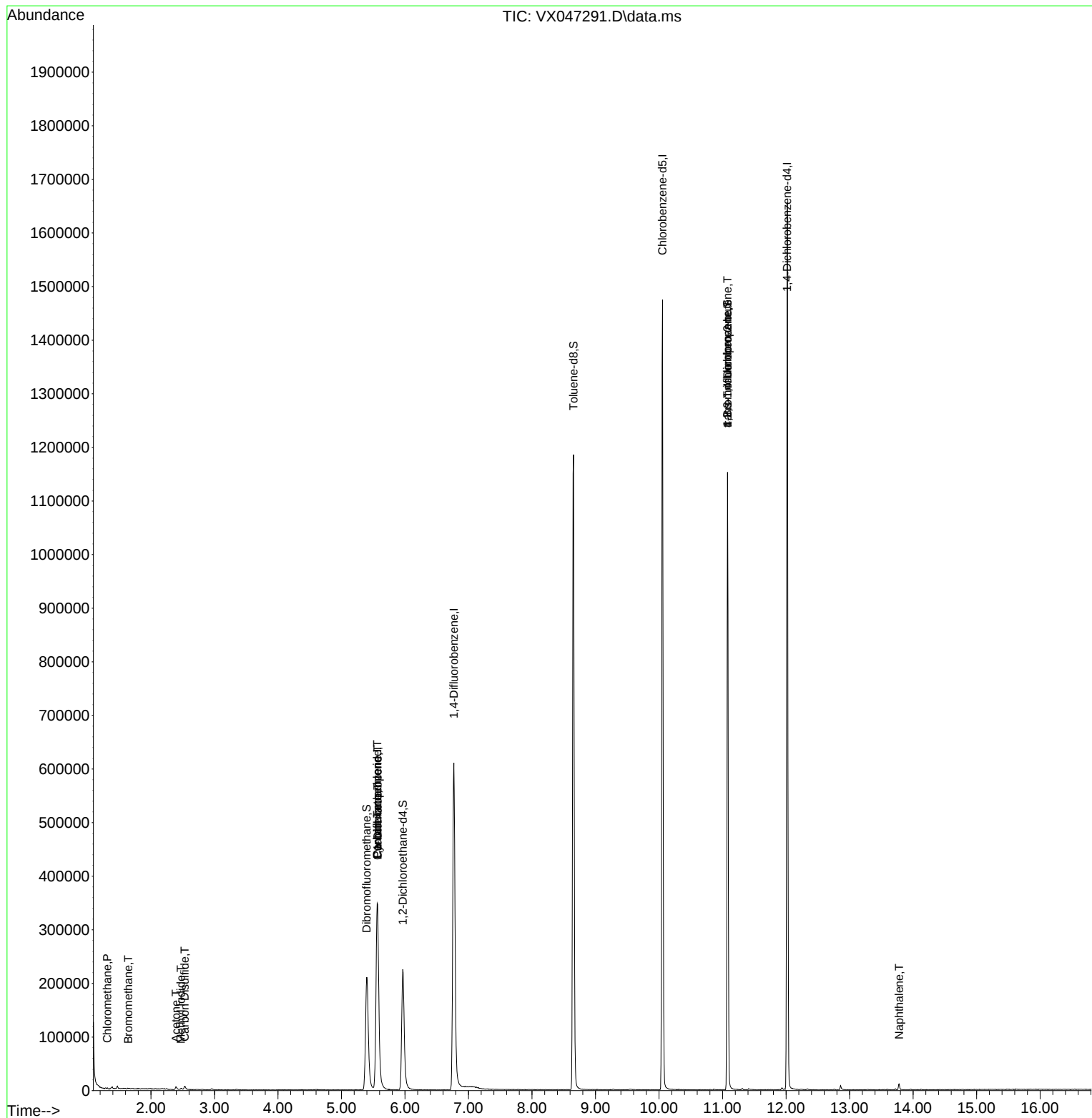
Internal Standards						
1) Pentafluorobenzene	5.562	168	350869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	660980	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	651660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	322981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	236756	54.169	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.340%		
35) Dibromofluoromethane	5.397	113	202948	49.729	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.460%		
50) Toluene-d8	8.653	98	734915	55.606	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 111.220%		
62) 4-Bromofluorobenzene	11.079	95	307414	53.974	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.940%		
Target Compounds						
						Qvalue
3) Chloromethane	1.313	50	1115	0.242	ug/l	91
5) Bromomethane	1.642	94	539	0.200	ug/l	82
10) Methyl Iodide	2.471	142	3047	0.672	ug/l	98
11) Tert butyl alcohol	2.959	59	268	Below Cal	#	72
16) Acetone	2.392	43	7766	4.435	ug/l #	88
17) Carbon Disulfide	2.532	76	8344	0.654	ug/l	95
31) Cyclohexane	5.568	56	7324	0.896	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	29261	4.206	ug/l #	51
38) Carbon Tetrachloride	5.562	117	37492	5.049	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	159746	26.721	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	159746	68.845	ug/l #	8
95) Naphthalene	13.780	128	8045	0.374	ug/l	98

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

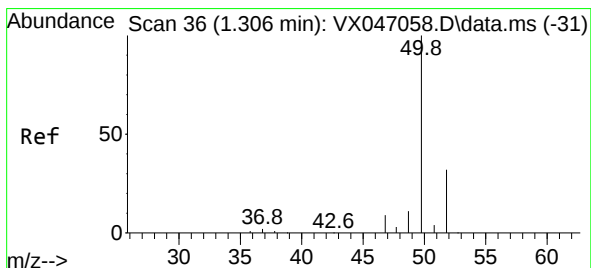
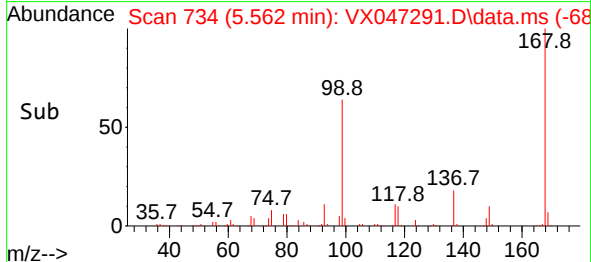
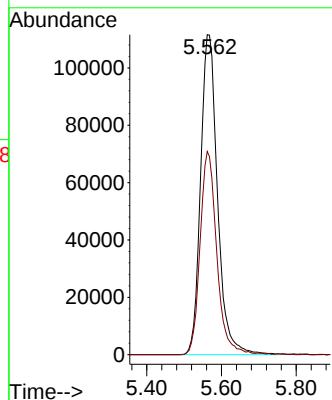
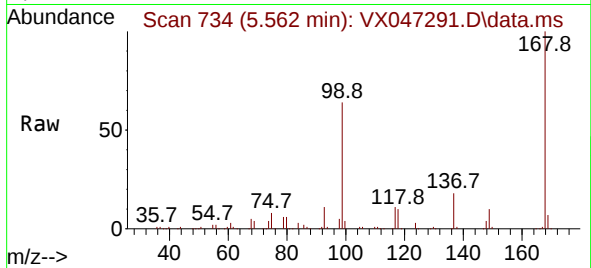




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

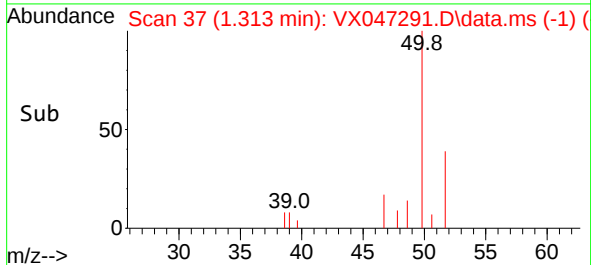
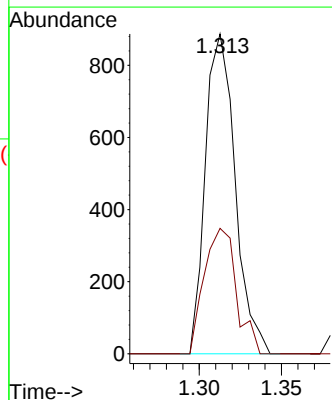
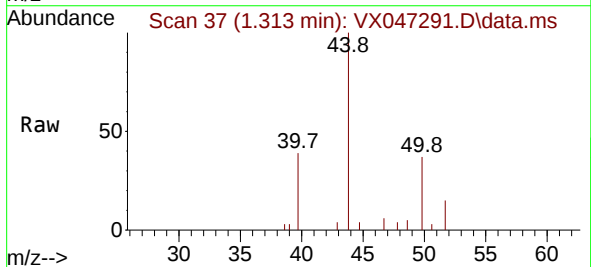
Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

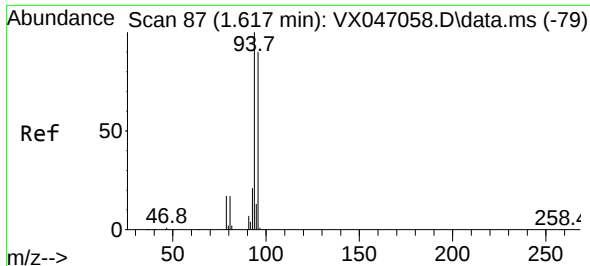
Tgt Ion:168 Resp: 350869
Ion Ratio Lower Upper
168 100
99 63.5 48.0 72.0



#3
Chloromethane
Concen: 0.242 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion: 50 Resp: 1115
Ion Ratio Lower Upper
50 100
52 36.6 25.4 38.2

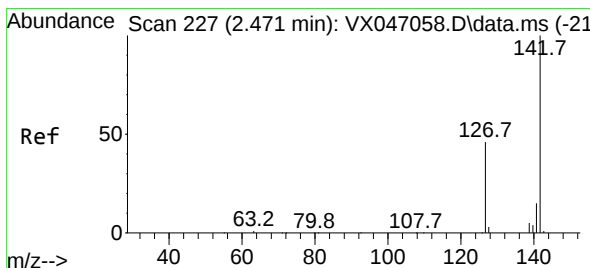
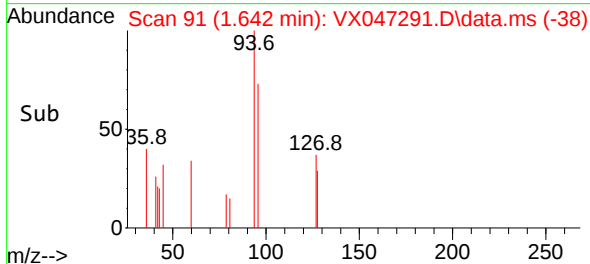
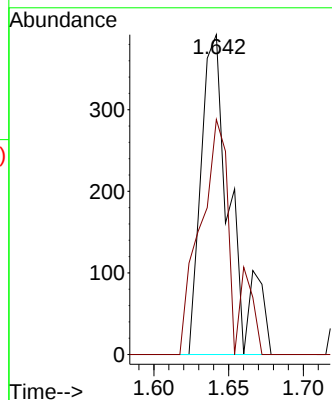
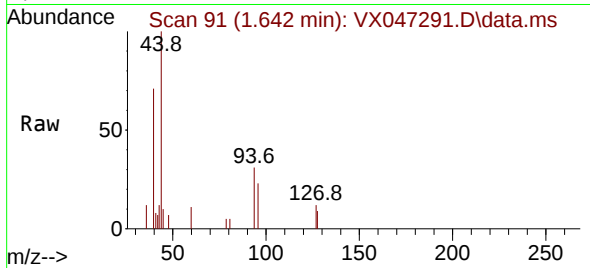




#5
Bromomethane
Concen: 0.200 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

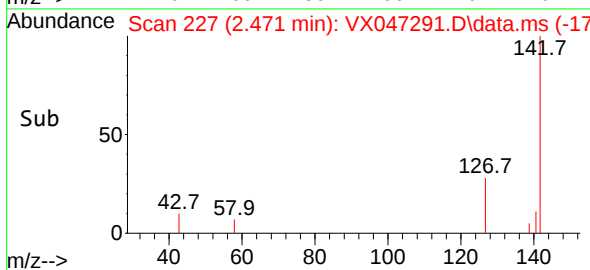
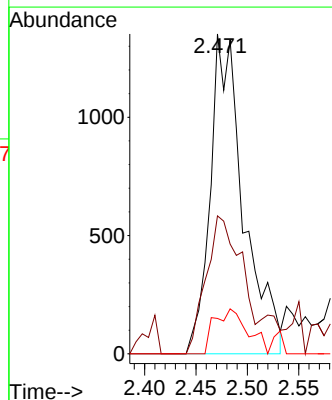
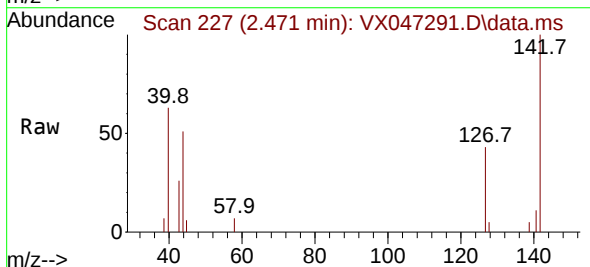
Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

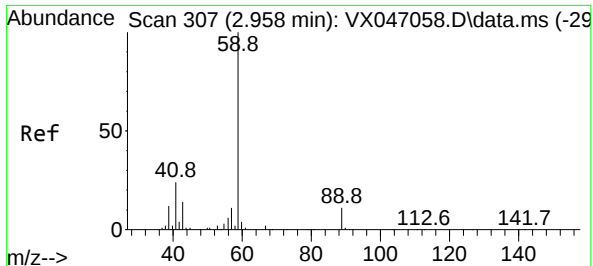
Tgt Ion: 94 Resp: 539
Ion Ratio Lower Upper
94 100
96 73.5 72.3 108.5



#10
Methyl Iodide
Concen: 0.672 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion: 142 Resp: 3047
Ion Ratio Lower Upper
142 100
127 47.4 36.6 54.8
141 13.9 10.9 16.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX047291.D

Acq: 12 Aug 2025 13:05

Instrument :

MSVOA_X

ClientSampleId :

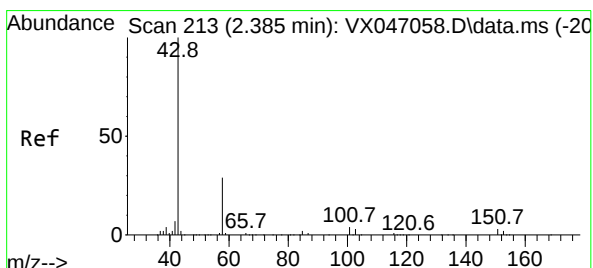
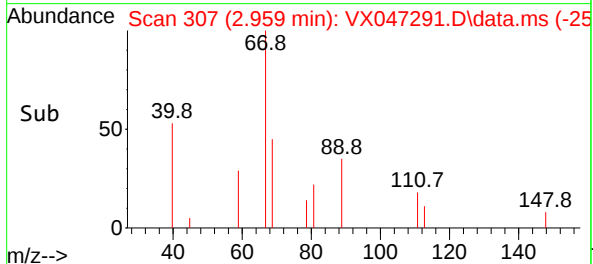
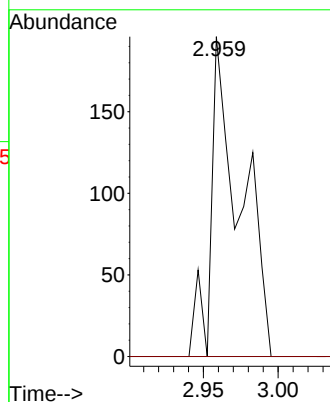
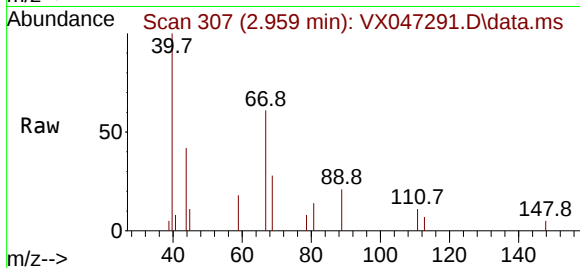
TW-17M-N

Tgt Ion: 59 Resp: 268

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 4.435 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX047291.D

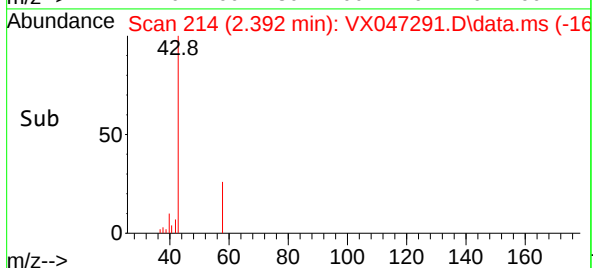
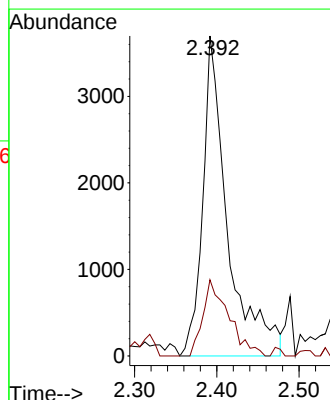
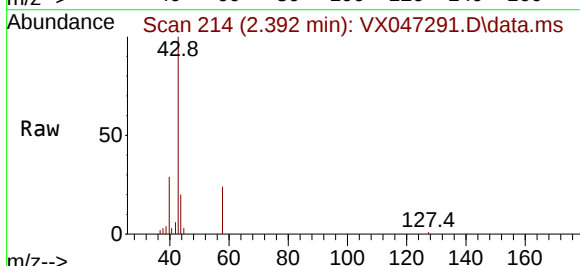
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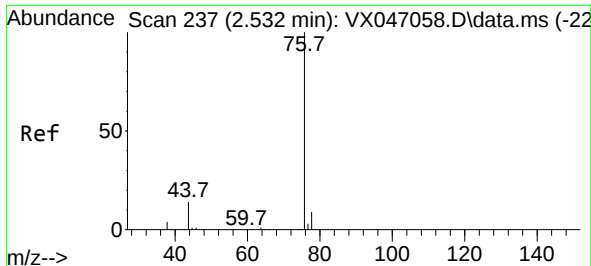
Tgt Ion: 43 Resp: 7766

Ion Ratio Lower Upper

43 100

58 23.3 24.0 36.0#

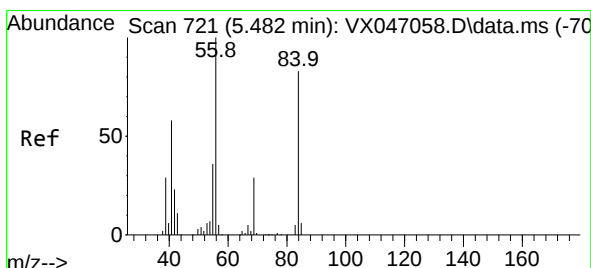
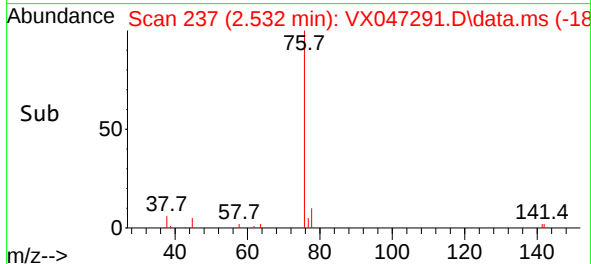
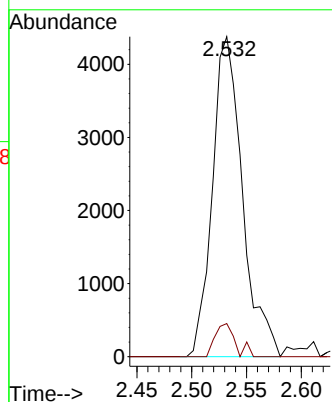
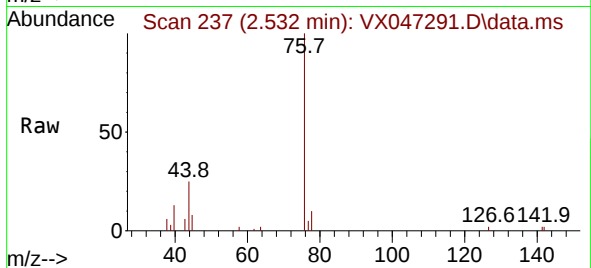




#17
Carbon Disulfide
Concen: 0.654 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

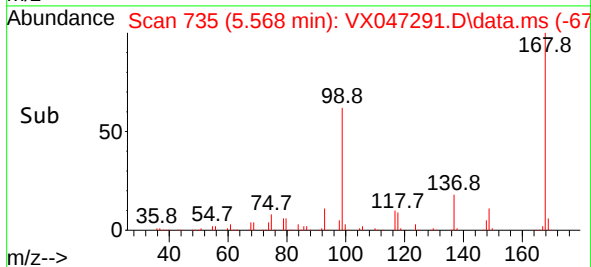
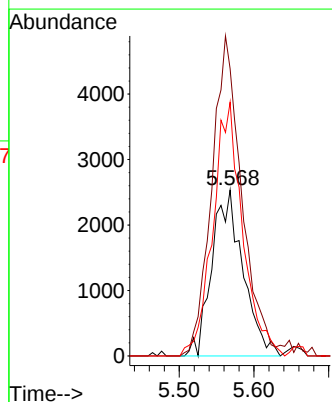
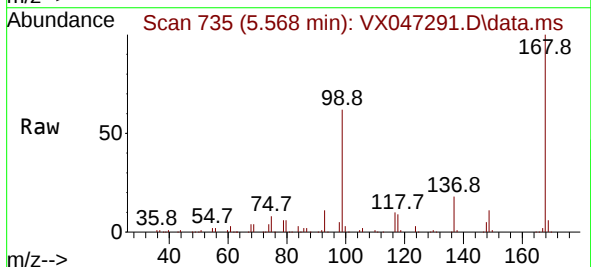
Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

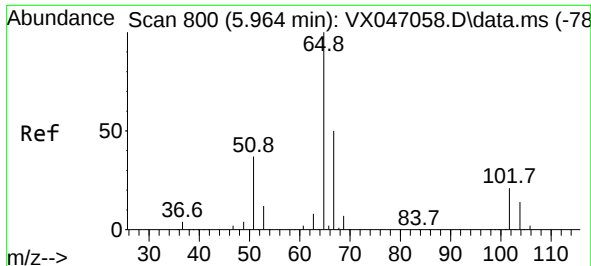
Tgt Ion: 76 Resp: 8344
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.4



#31
Cyclohexane
Concen: 0.896 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.086 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion: 56 Resp: 7324
Ion Ratio Lower Upper
56 100
69 173.1 23.3 34.9#
84 152.9 66.5 99.7#

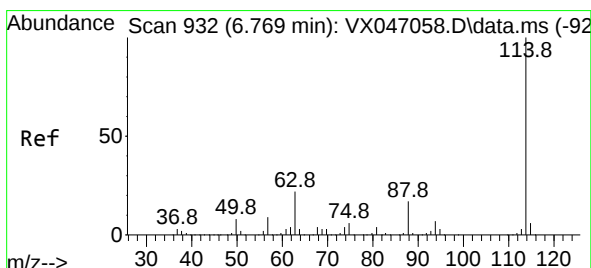
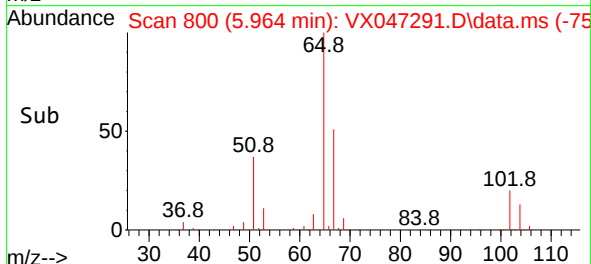
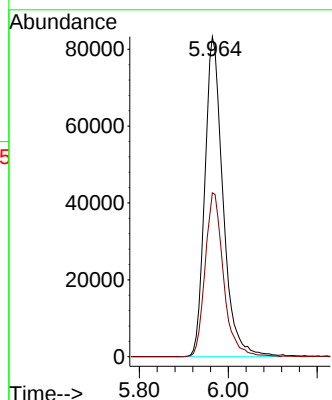
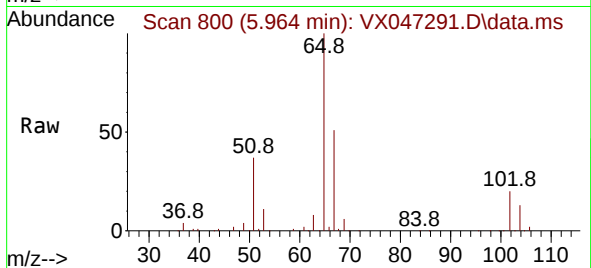




#33
 1,2-Dichloroethane-d4
 Concen: 54.169 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047291.D
 Acq: 12 Aug 2025 13:05

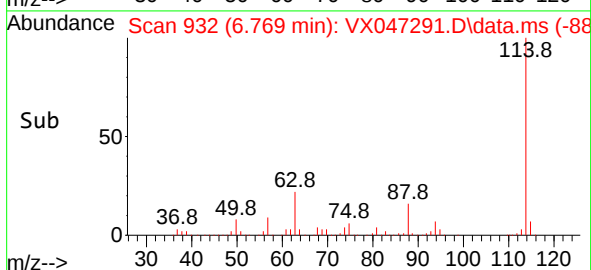
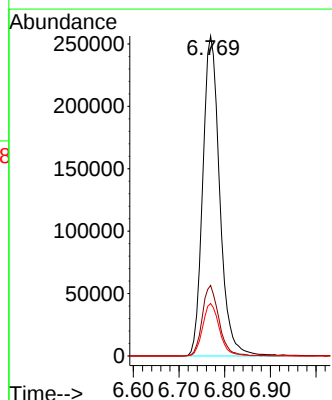
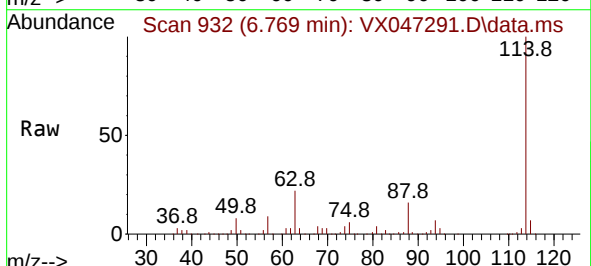
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-17M-N

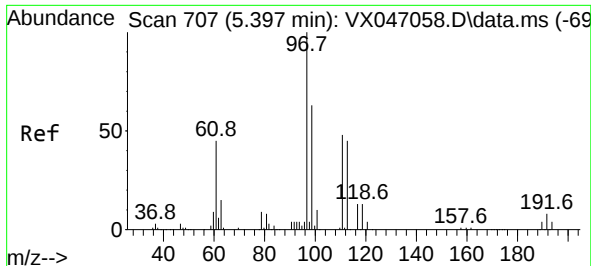
Tgt Ion: 65 Resp: 236756
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047291.D
 Acq: 12 Aug 2025 13:05

Tgt Ion: 114 Resp: 660980
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.729 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047291.D

Acq: 12 Aug 2025 13:05

Instrument :

MSVOA_X

ClientSampleId :

TW-17M-N

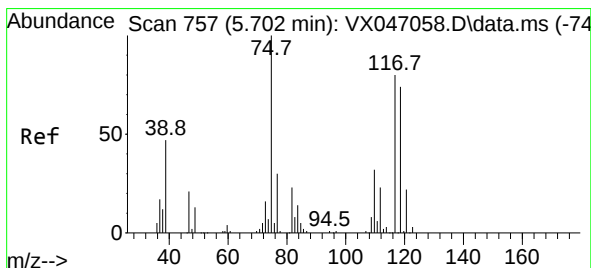
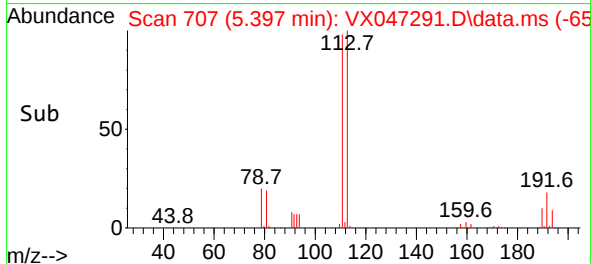
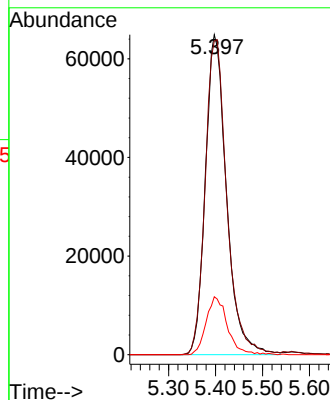
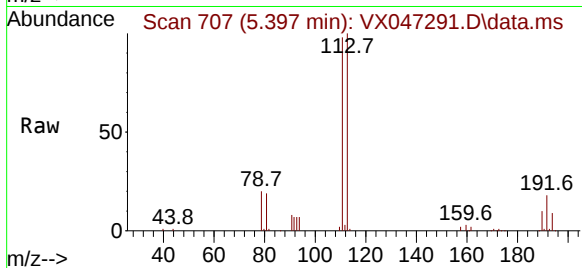
Tgt Ion:113 Resp: 202948

Ion Ratio Lower Upper

113 100

111 100.6 82.6 124.0

192 18.2 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.206 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX047291.D

Acq: 12 Aug 2025 13:05

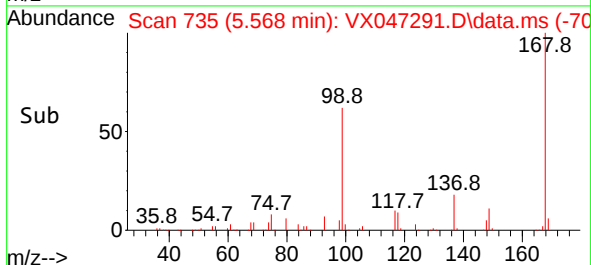
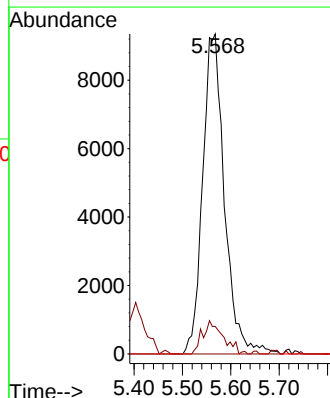
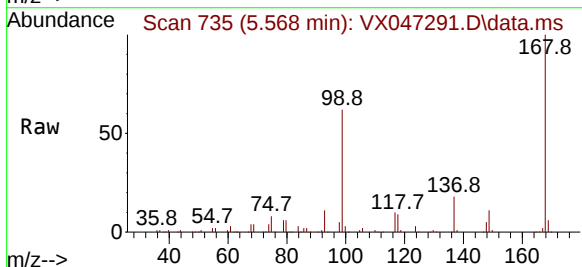
Tgt Ion: 75 Resp: 29261

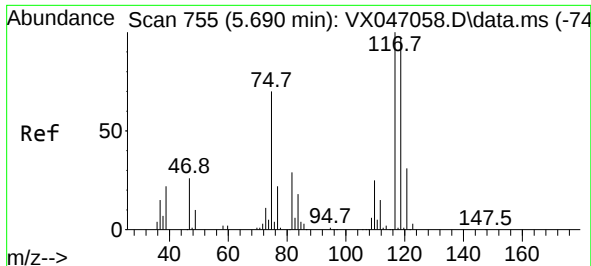
Ion Ratio Lower Upper

75 100

110 9.8 17.2 51.5#

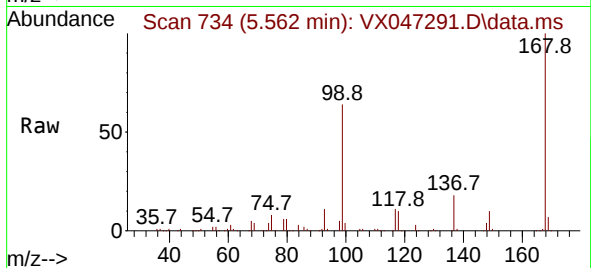
77 0.0 25.1 37.7#



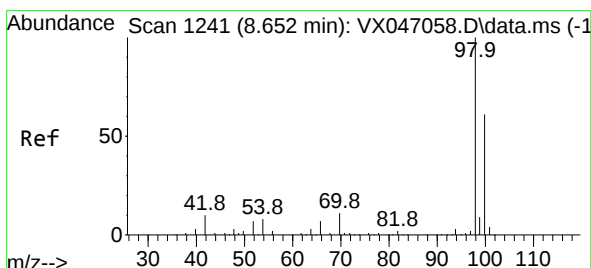
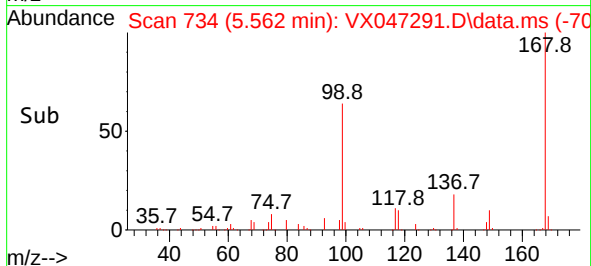
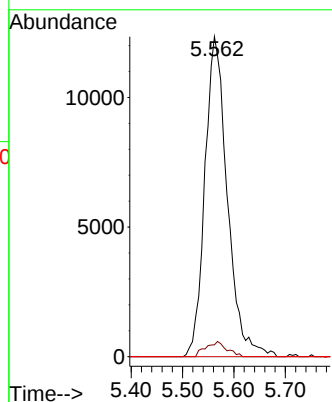


#38
Carbon Tetrachloride
Concen: 5.049 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

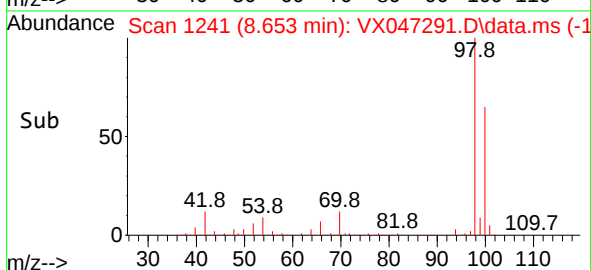
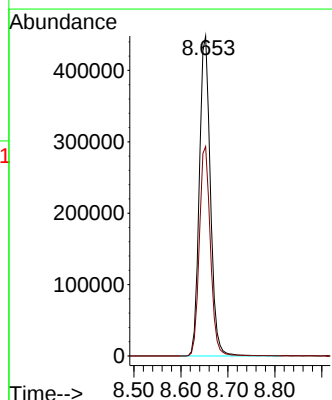
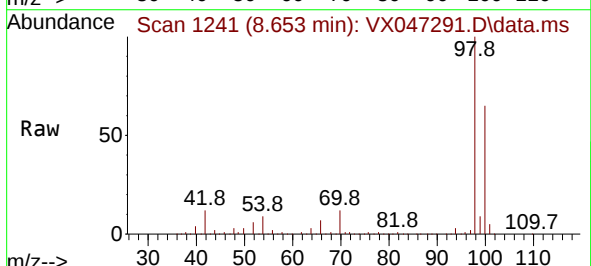


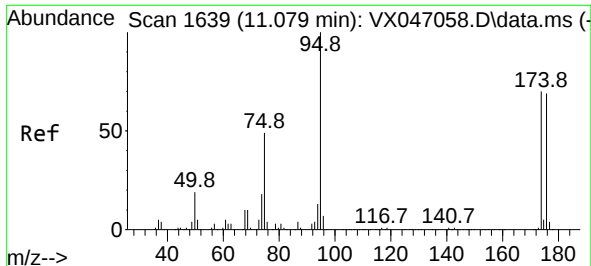
Tgt Ion:117 Resp: 37492
Ion Ratio Lower Upper
117 100
119 3.7 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 55.606 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion: 98 Resp: 734915
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 53.974 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047291.D

Acq: 12 Aug 2025 13:05

Instrument :

MSVOA_X

ClientSampleId :

TW-17M-N

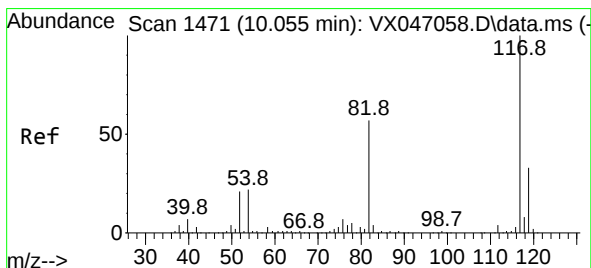
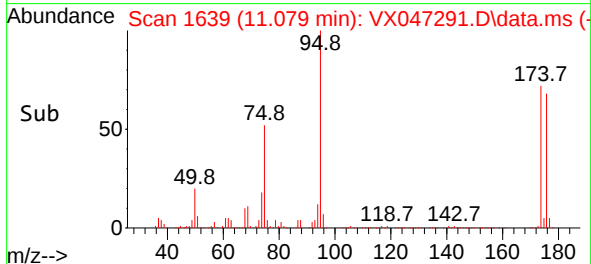
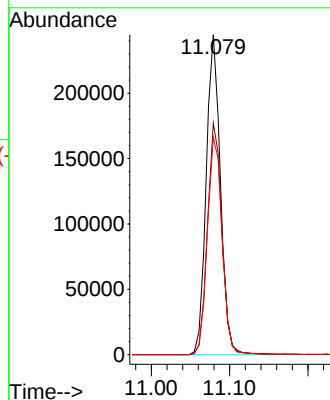
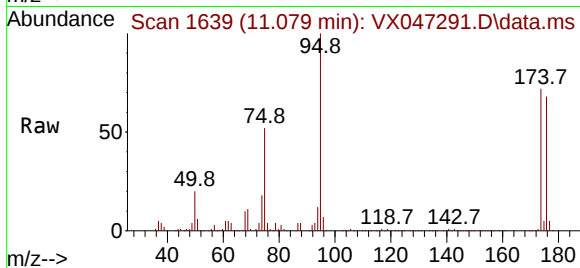
Tgt Ion: 95 Resp: 307414

Ion Ratio Lower Upper

95 100

174 73.7 0.0 144.6

176 70.5 0.0 139.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047291.D

Acq: 12 Aug 2025 13:05

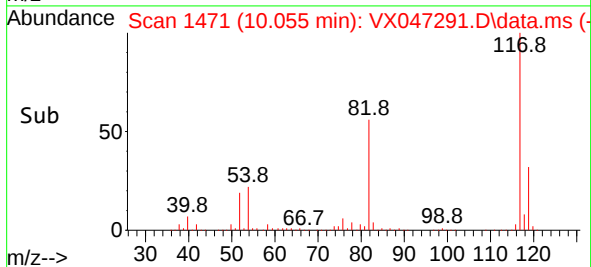
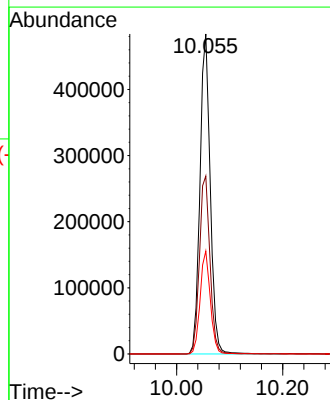
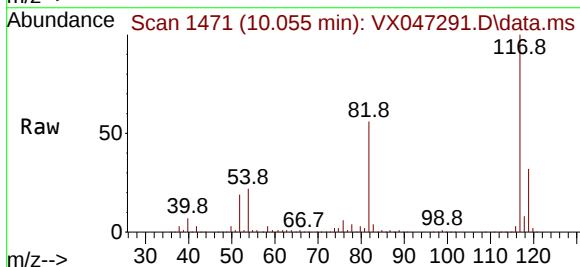
Tgt Ion: 117 Resp: 651660

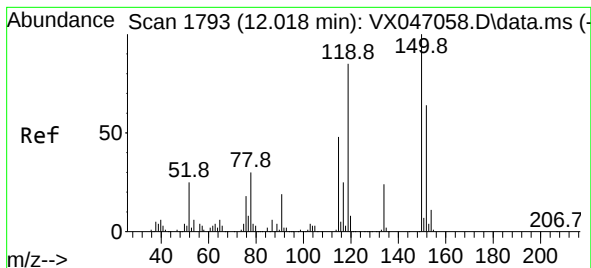
Ion Ratio Lower Upper

117 100

82 55.6 45.4 68.2

119 32.1 26.1 39.1

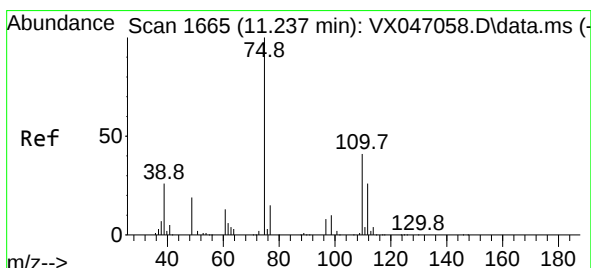
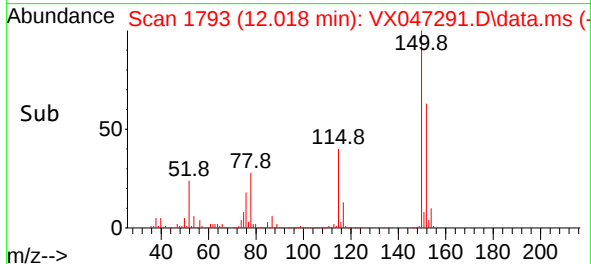
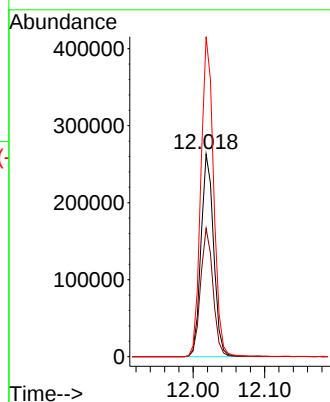
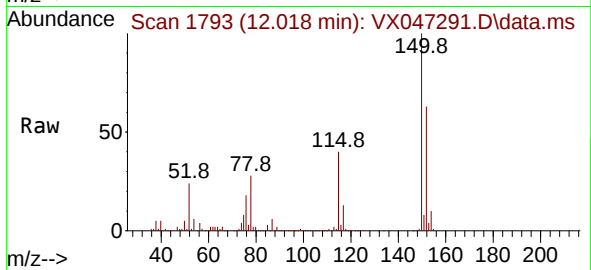




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

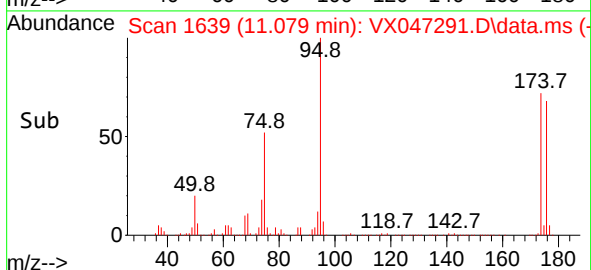
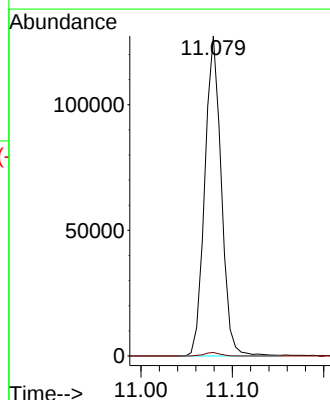
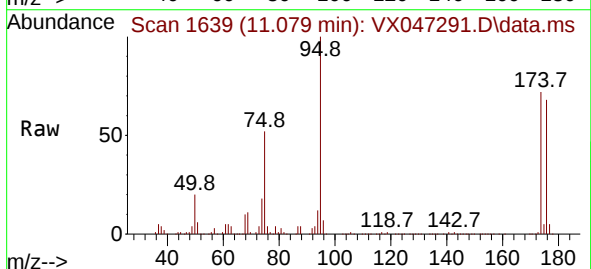
Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

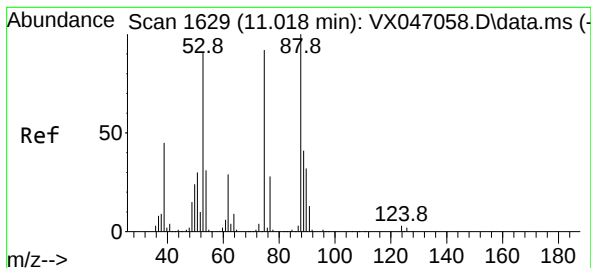
Tgt Ion:152 Resp: 322981
Ion Ratio Lower Upper
152 100
115 62.4 45.6 136.7
150 158.7 0.0 354.6



#76
1,2,3-Trichloropropane
Concen: 26.721 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion: 75 Resp: 159746
Ion Ratio Lower Upper
75 100
77 1.1 21.6 65.0#

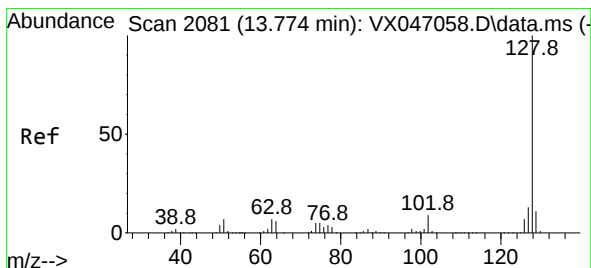
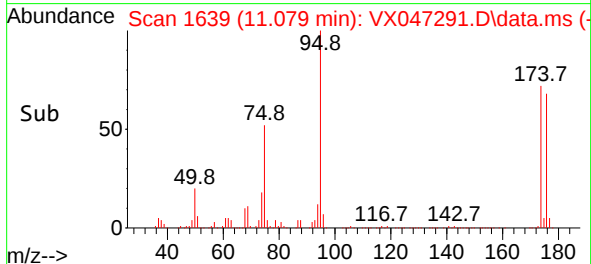
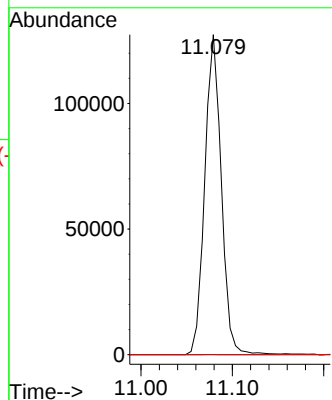
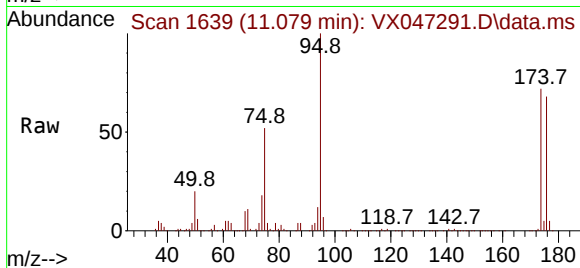




#81
trans-1,4-Dichloro-2-butene
Concen: 68.845 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Tgt Ion: 75 Resp: 159746
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 0.374 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion: 128 Resp: 8045
Ion Ratio Lower Upper
128 100
127 14.1 10.1 15.1
129 11.0 8.6 13.0

