

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047296.D
 Acq On : 12 Aug 2025 14:56
 Operator : JC/MD
 Sample : Q2814-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-82H-S

Quant Time: Aug 13 01:22:09 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)

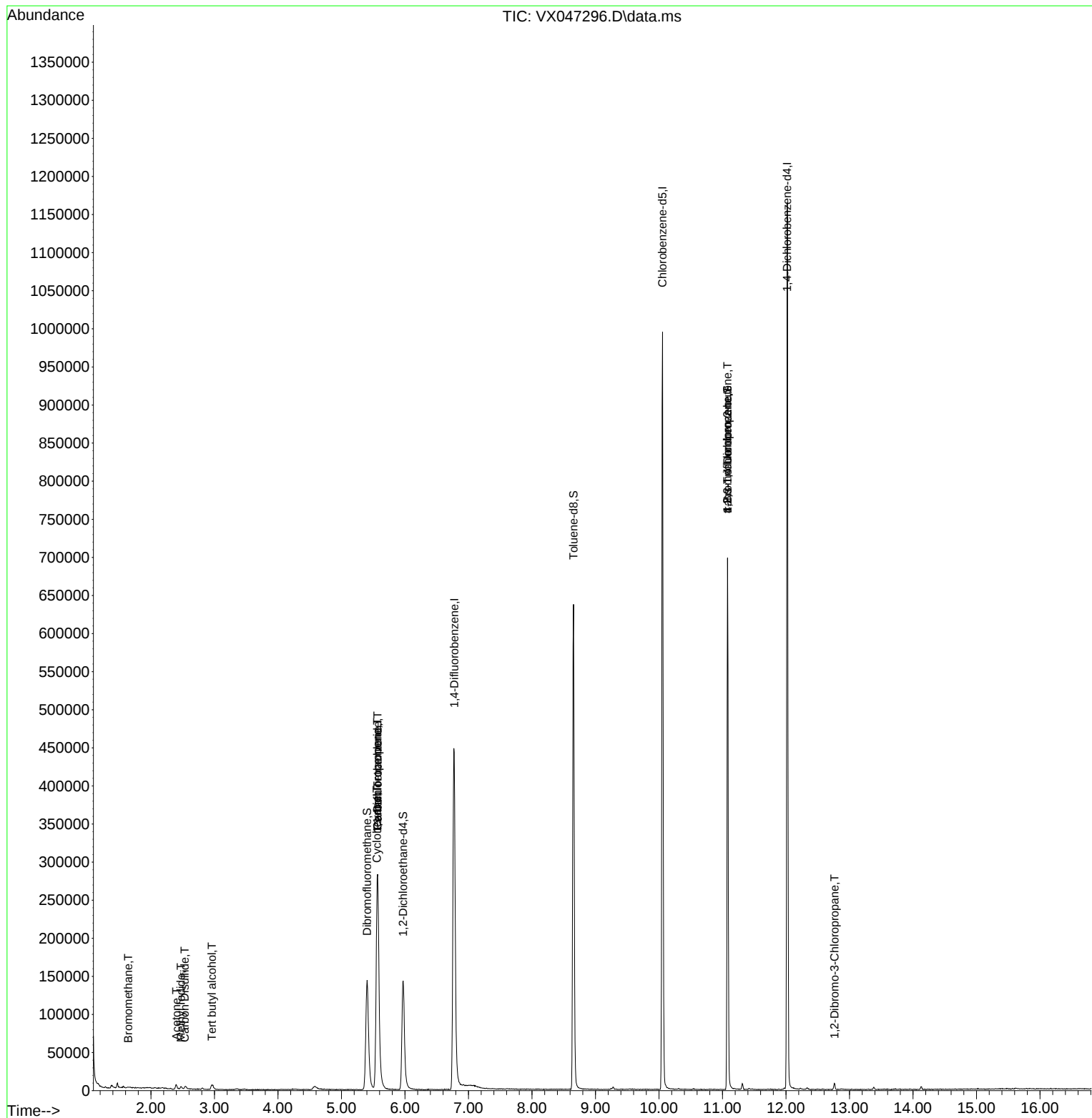
Internal Standards						
1) Pentafluorobenzene	5.568	168	288206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	492096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	446908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	154815	43.122	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	86.240%	
35) Dibromofluoromethane	5.404	113	137943	45.400	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	90.800%	
50) Toluene-d8	8.653	98	388585	39.492	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	78.980%#	
62) 4-Bromofluorobenzene	11.079	95	187601	44.242	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	88.480%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	454	0.205	ug/l #	78
10) Methyl Iodide	2.471	142	4041	1.084	ug/l #	88
11) Tert butyl alcohol	2.959	59	4398	0.201	ug/l #	81
16) Acetone	2.398	43	8650	6.014	ug/l	97
17) Carbon Disulfide	2.532	76	2445	0.233	ug/l #	92
31) Cyclohexane	5.556	56	6538	0.974	ug/l #	18
36) 1,1-Dichloropropene	5.562	75	23740	4.584	ug/l #	51
38) Carbon Tetrachloride	5.568	117	30757	5.564	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	97842	23.102	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	97842	59.520	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	231	0.233	ug/l #	2

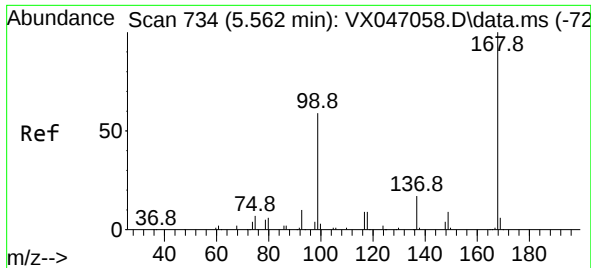
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

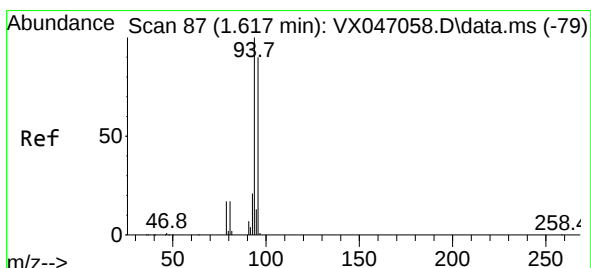
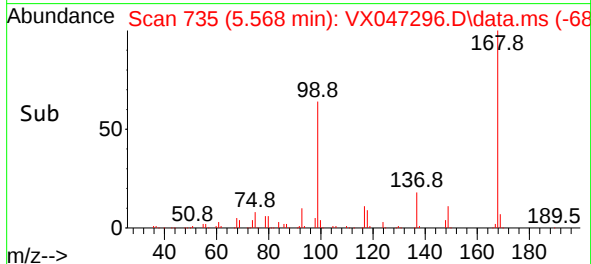
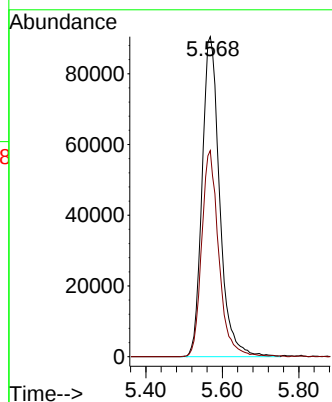
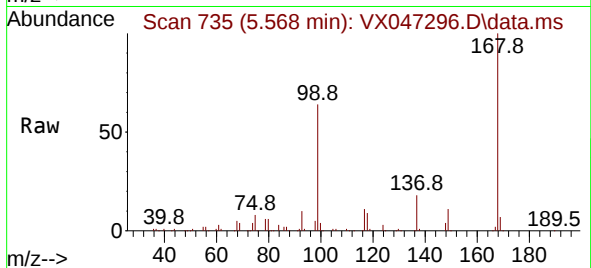




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

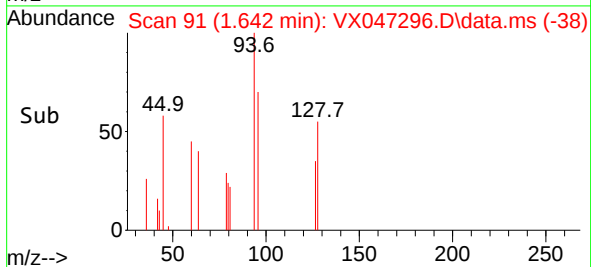
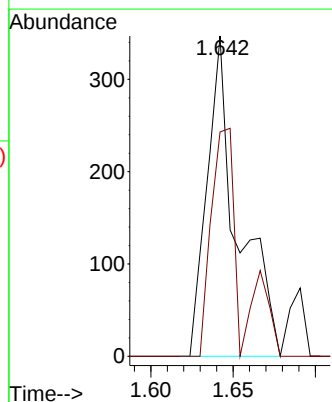
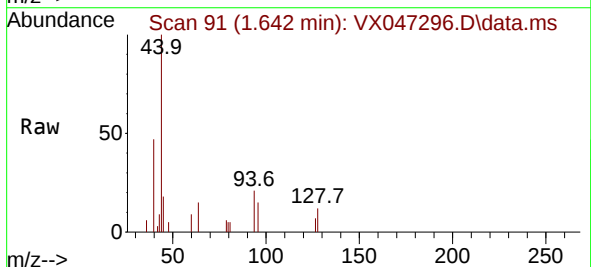
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

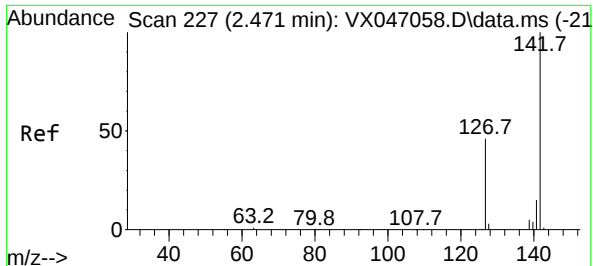
Tgt Ion:168 Resp: 288206
Ion Ratio Lower Upper
168 100
99 64.4 48.0 72.0



#5
Bromomethane
Concen: 0.205 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

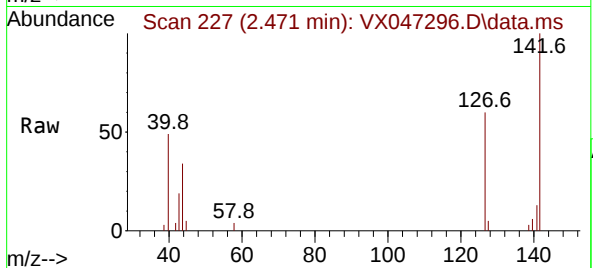
Tgt Ion: 94 Resp: 454
Ion Ratio Lower Upper
94 100
96 70.0 72.3 108.5#



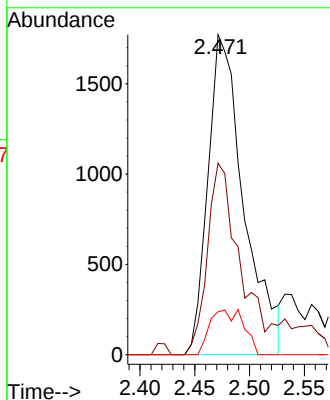
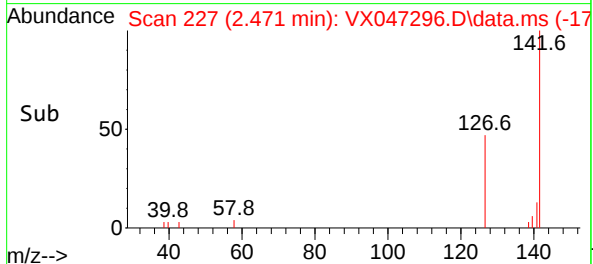


#10
Methyl Iodide
Concen: 1.084 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

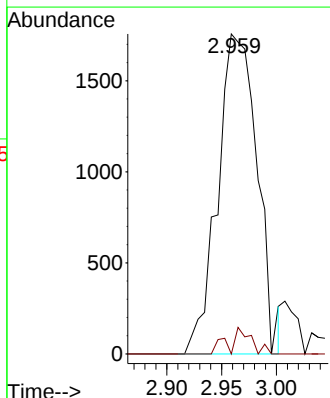
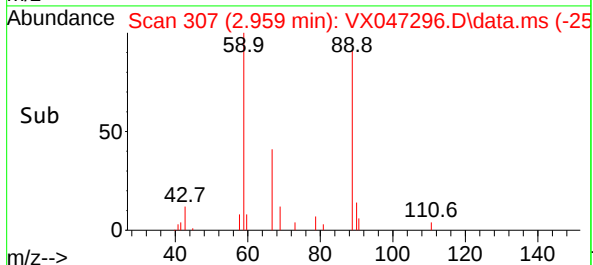
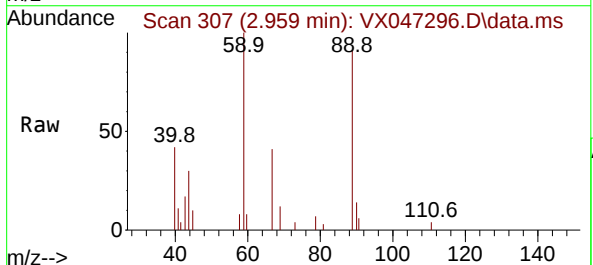


Tgt Ion:142 Resp: 4041
Ion Ratio Lower Upper
142 100
127 56.0 36.6 54.8#
141 13.1 10.9 16.3



#11
Tert butyl alcohol
Concen: 0.201 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion: 59 Resp: 4398
Ion Ratio Lower Upper
59 100
57 3.3 8.5 12.7#

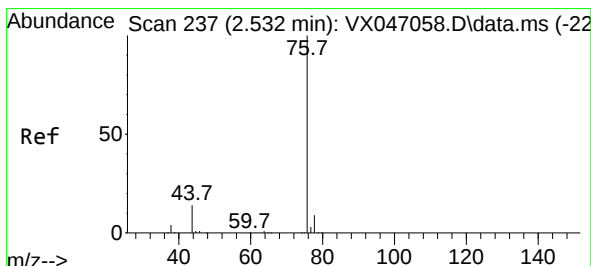
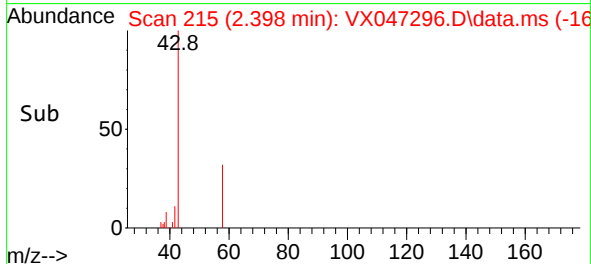
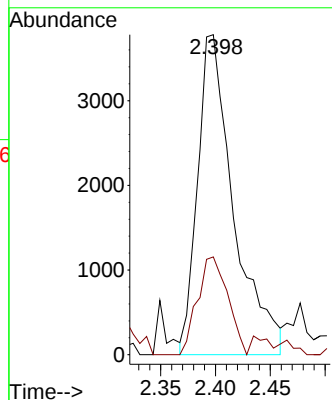
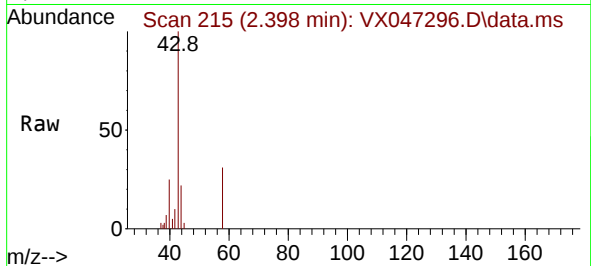




#16
Acetone
Concen: 6.014 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

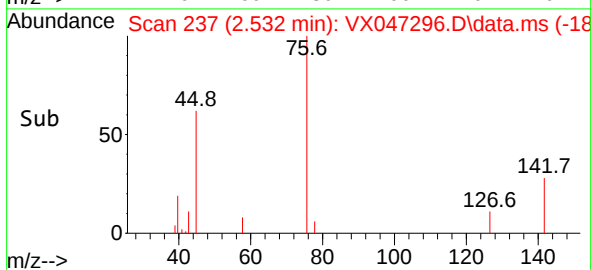
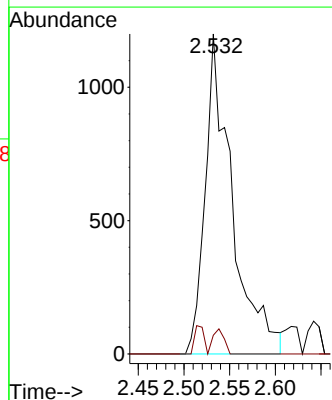
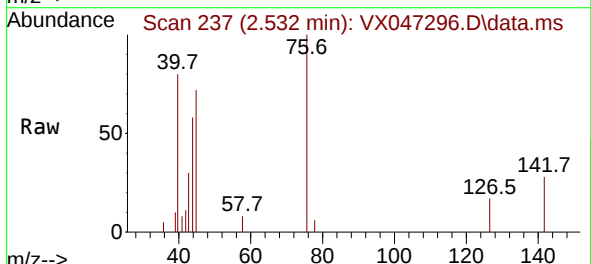
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

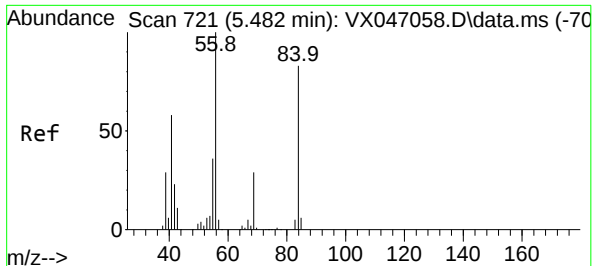
Tgt Ion: 43 Resp: 8650
Ion Ratio Lower Upper
43 100
58 31.7 24.0 36.0



#17
Carbon Disulfide
Concen: 0.233 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion: 76 Resp: 2445
Ion Ratio Lower Upper
76 100
78 5.8 7.0 10.4#

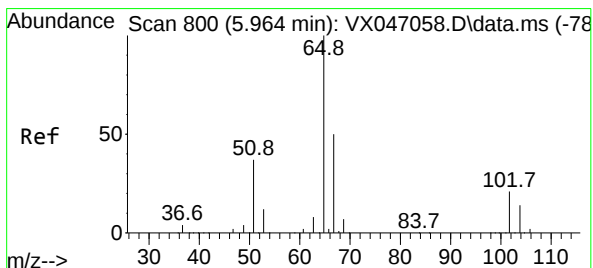
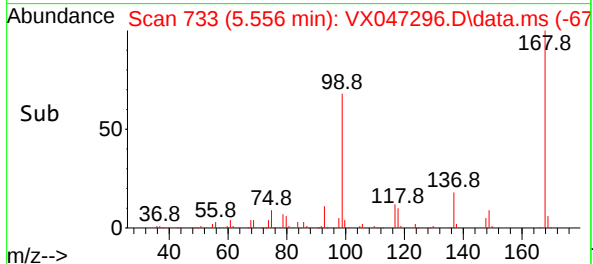
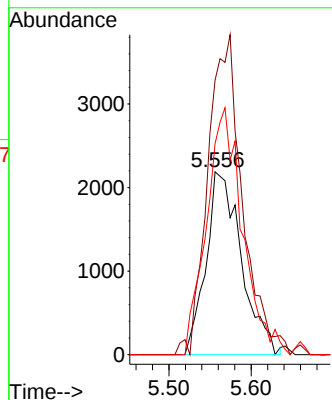
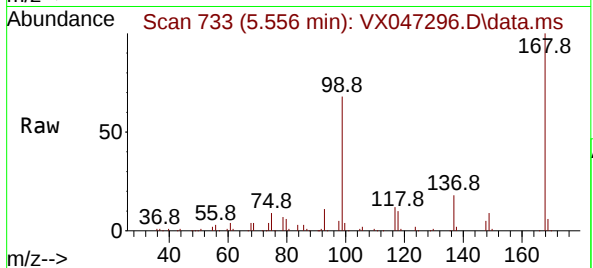




#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.074 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

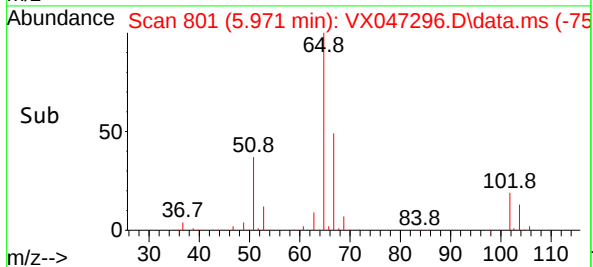
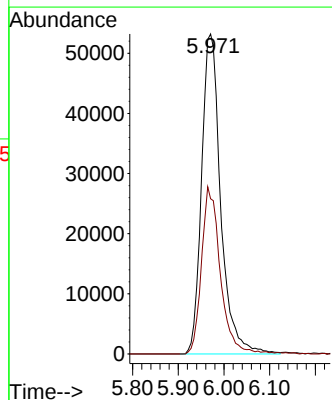
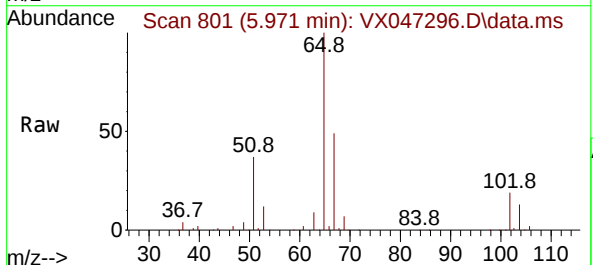
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

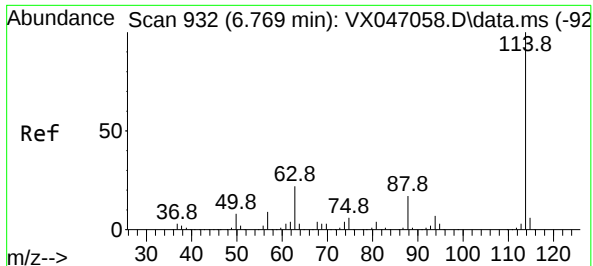
Tgt Ion: 56 Resp: 6538
Ion Ratio Lower Upper
56 100
69 143.8 23.3 34.9#
84 115.5 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 43.122 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion: 65 Resp: 154815
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8

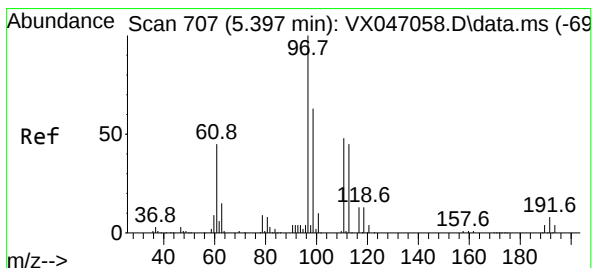
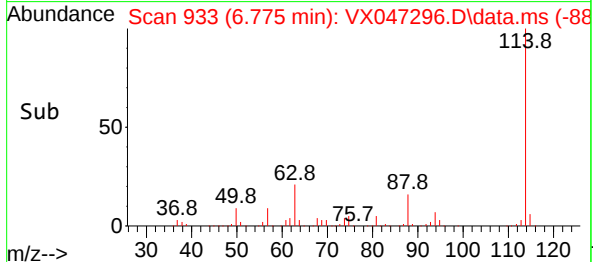
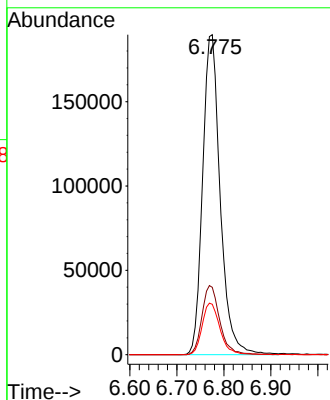
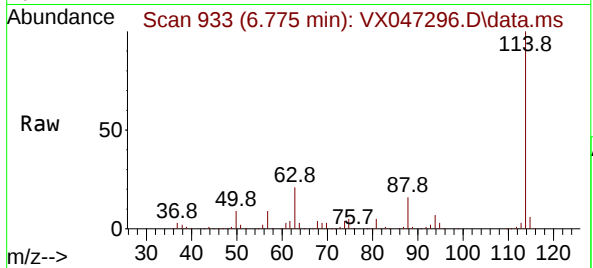




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.007 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

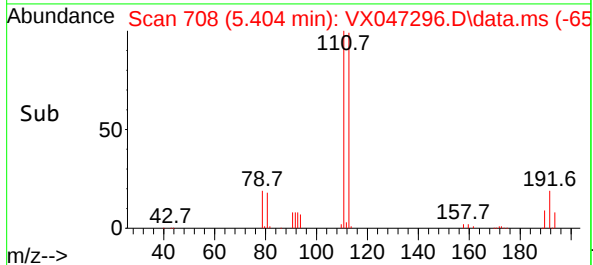
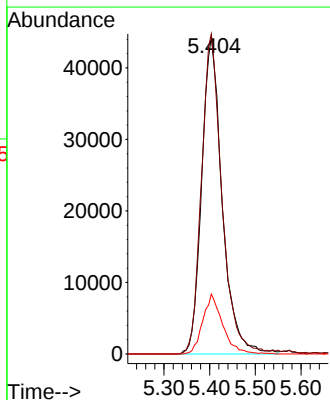
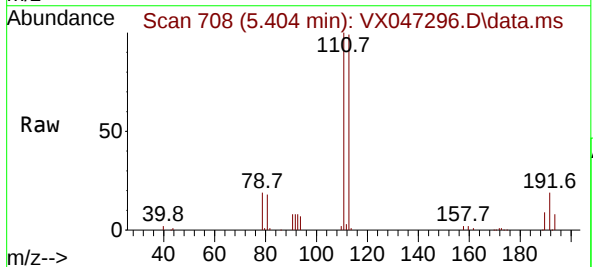
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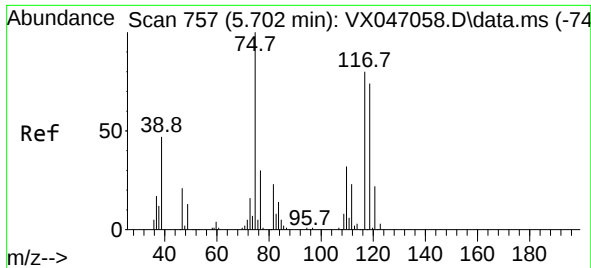
Tgt Ion:114 Resp: 492096
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.2
88 15.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 45.400 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.007 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion:113 Resp: 137943
Ion Ratio Lower Upper
113 100
111 100.7 82.6 124.0
192 18.2 14.9 22.3

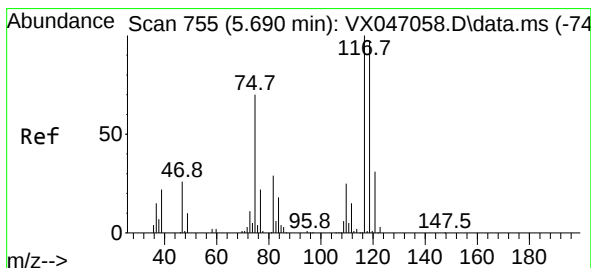
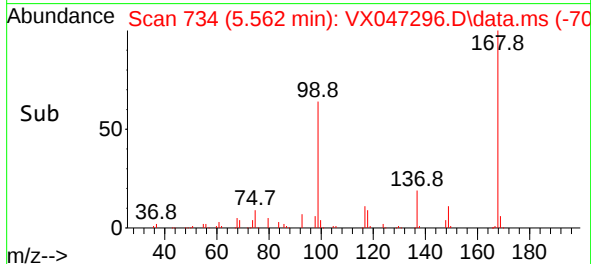
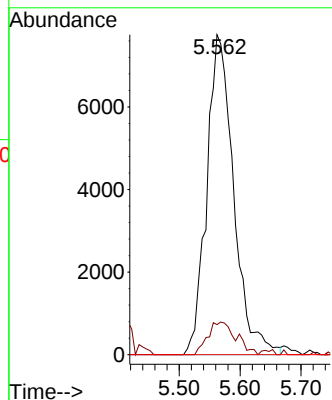
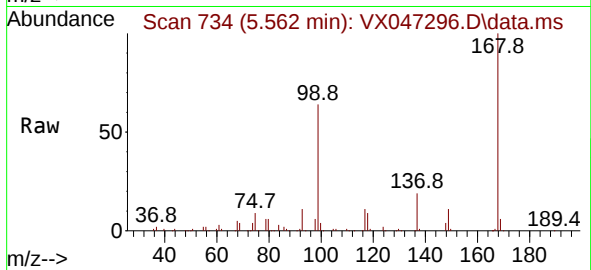




#36
1,1-Dichloropropene
Concen: 4.584 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

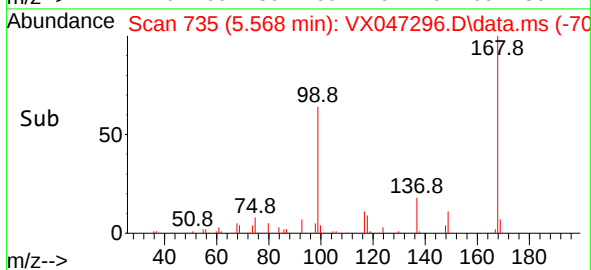
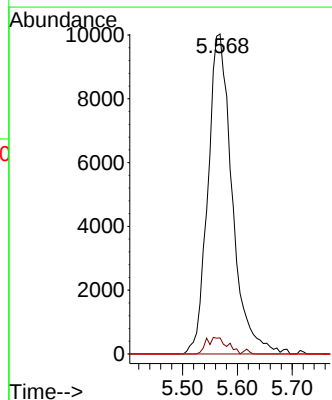
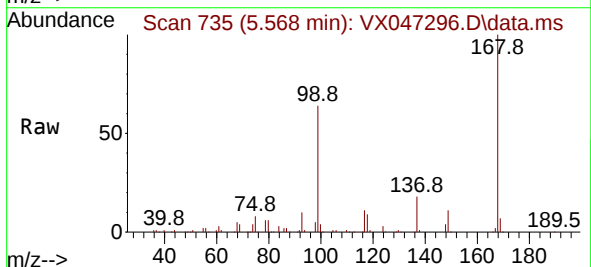
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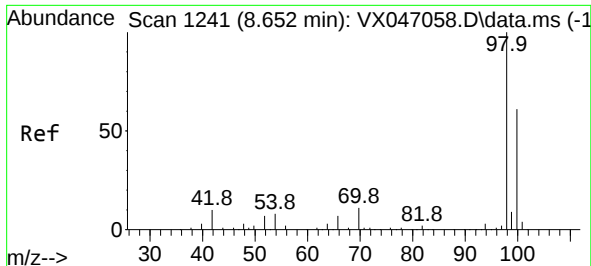
Tgt Ion: 75 Resp: 23740
Ion Ratio Lower Upper
75 100
110 10.8 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.121 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion: 117 Resp: 30757
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 24.4 36.6#

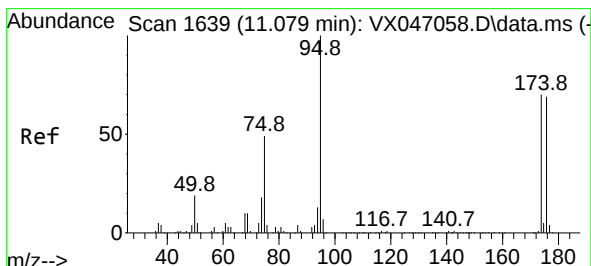
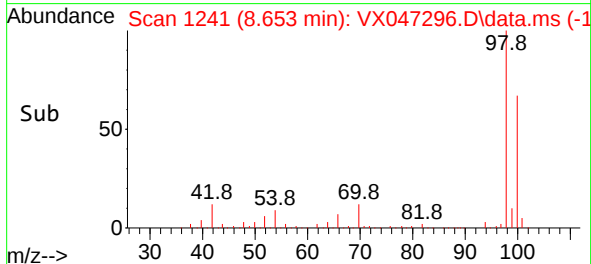
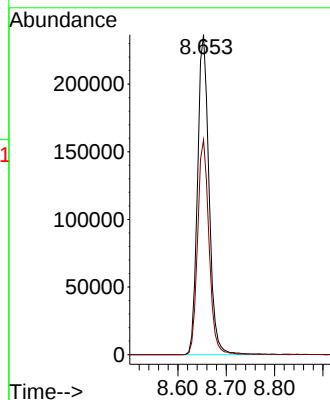
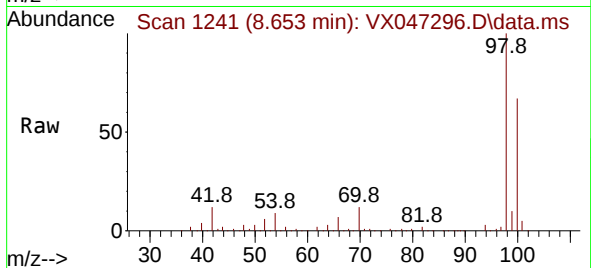




#50
Toluene-d8
Concen: 39.492 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

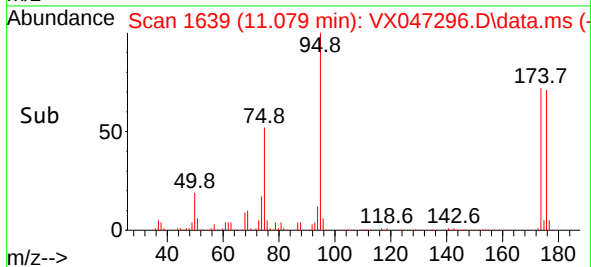
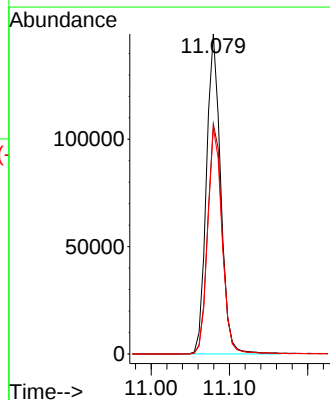
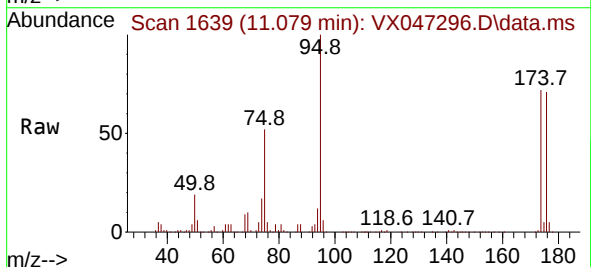
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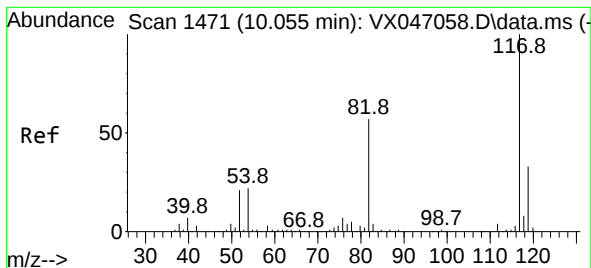
Tgt Ion: 98 Resp: 388585
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.242 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion: 95 Resp: 187601
Ion Ratio Lower Upper
95 100
174 73.7 0.0 144.6
176 71.3 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: VX047296.D

Acq: 12 Aug 2025 14:56

Instrument :

MSVOA_X

ClientSampleId :

TW-82H-S

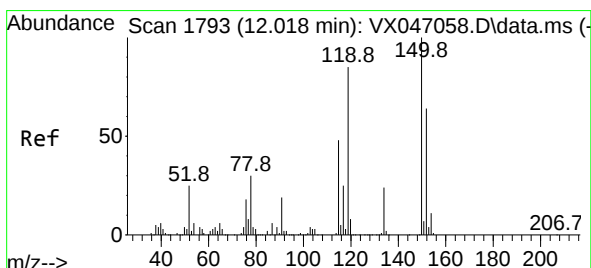
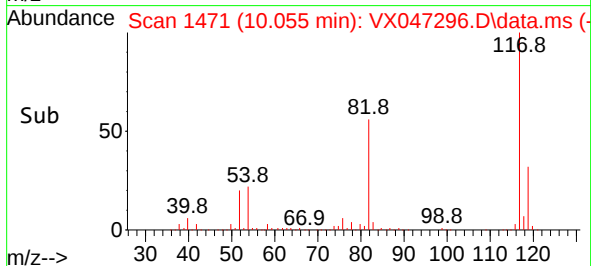
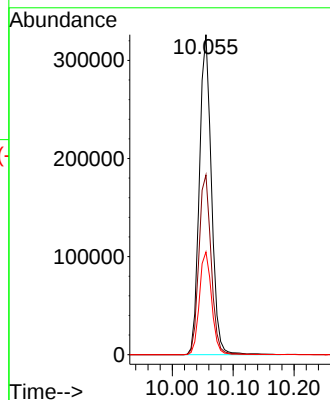
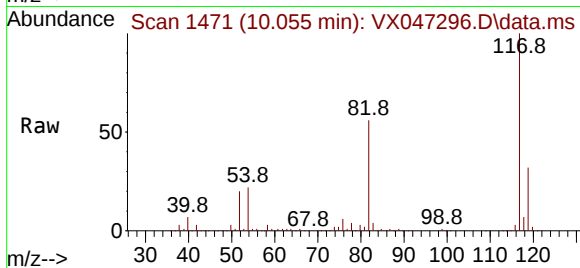
Tgt Ion:117 Resp: 446908

Ion Ratio Lower Upper

117 100

82 56.2 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# 1793

Delta R.T. 0.000 min

Lab File: VX047296.D

Acq: 12 Aug 2025 14:56

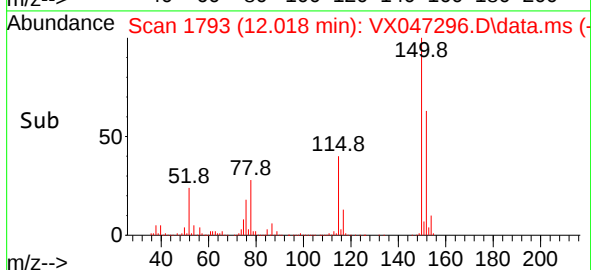
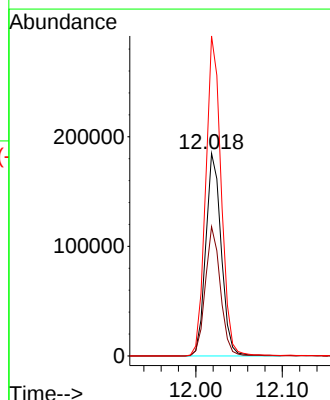
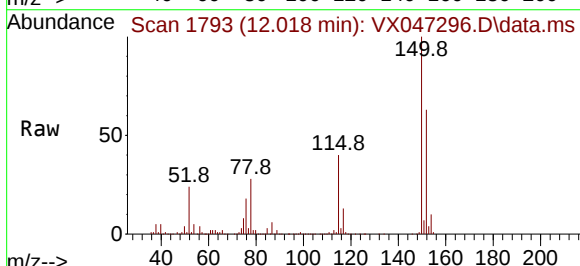
Tgt Ion:152 Resp: 228813

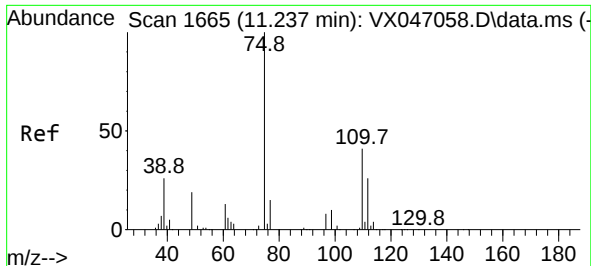
Ion Ratio Lower Upper

152 100

115 62.4 45.6 136.7

150 158.9 0.0 354.6

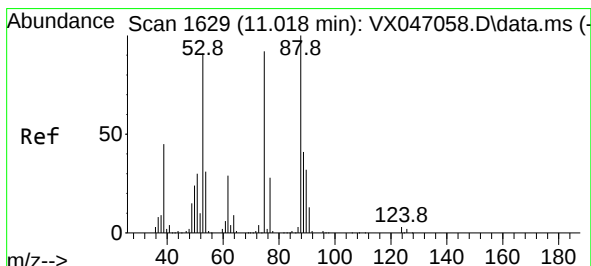
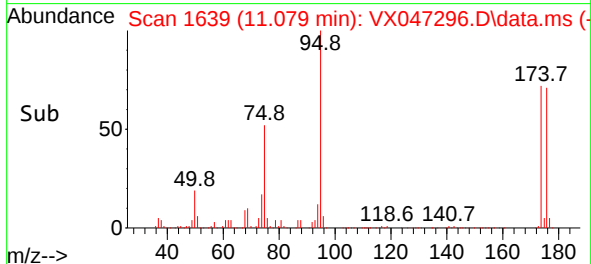
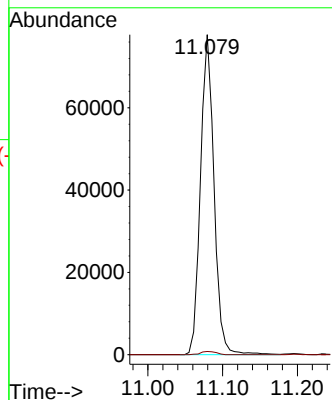
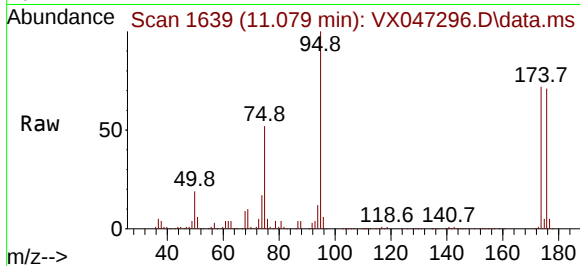




#76
1,2,3-Trichloropropane
Concen: 23.102 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

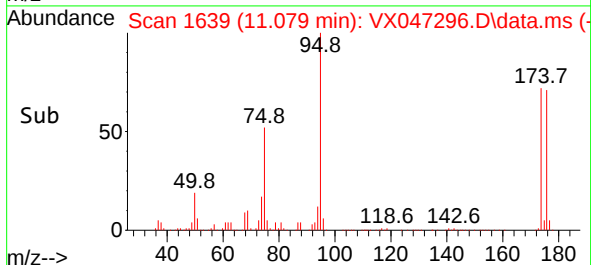
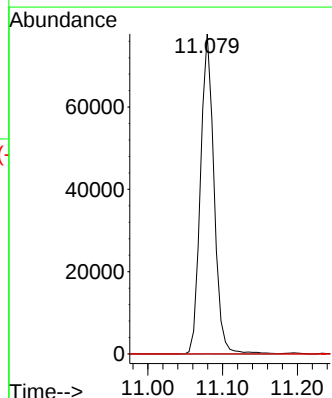
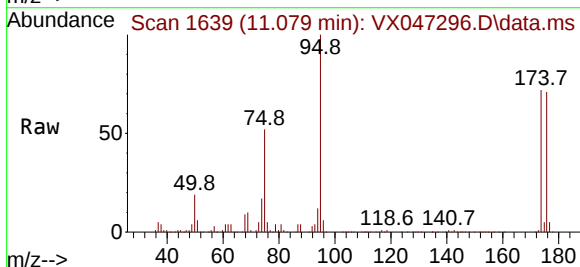
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

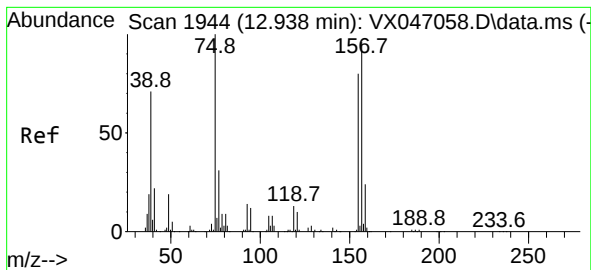
Tgt Ion: 75 Resp: 97842
Ion Ratio Lower Upper
75 100
77 1.1 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.520 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

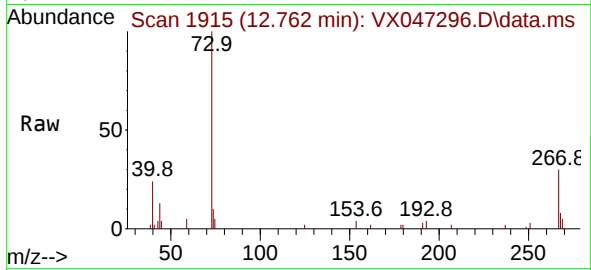
Tgt Ion: 75 Resp: 97842
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.233 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.176 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S



Tgt Ion: 75 Resp: 231
Ion Ratio Lower Upper
75 100
155 0.0 41.3 124.1#
157 0.0 52.8 158.3#

