

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047290.D
 Acq On : 12 Aug 2025 12:43
 Operator : JC/MD
 Sample : Q2814-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-84SB-E

Quant Time: Aug 13 01:18:54 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)

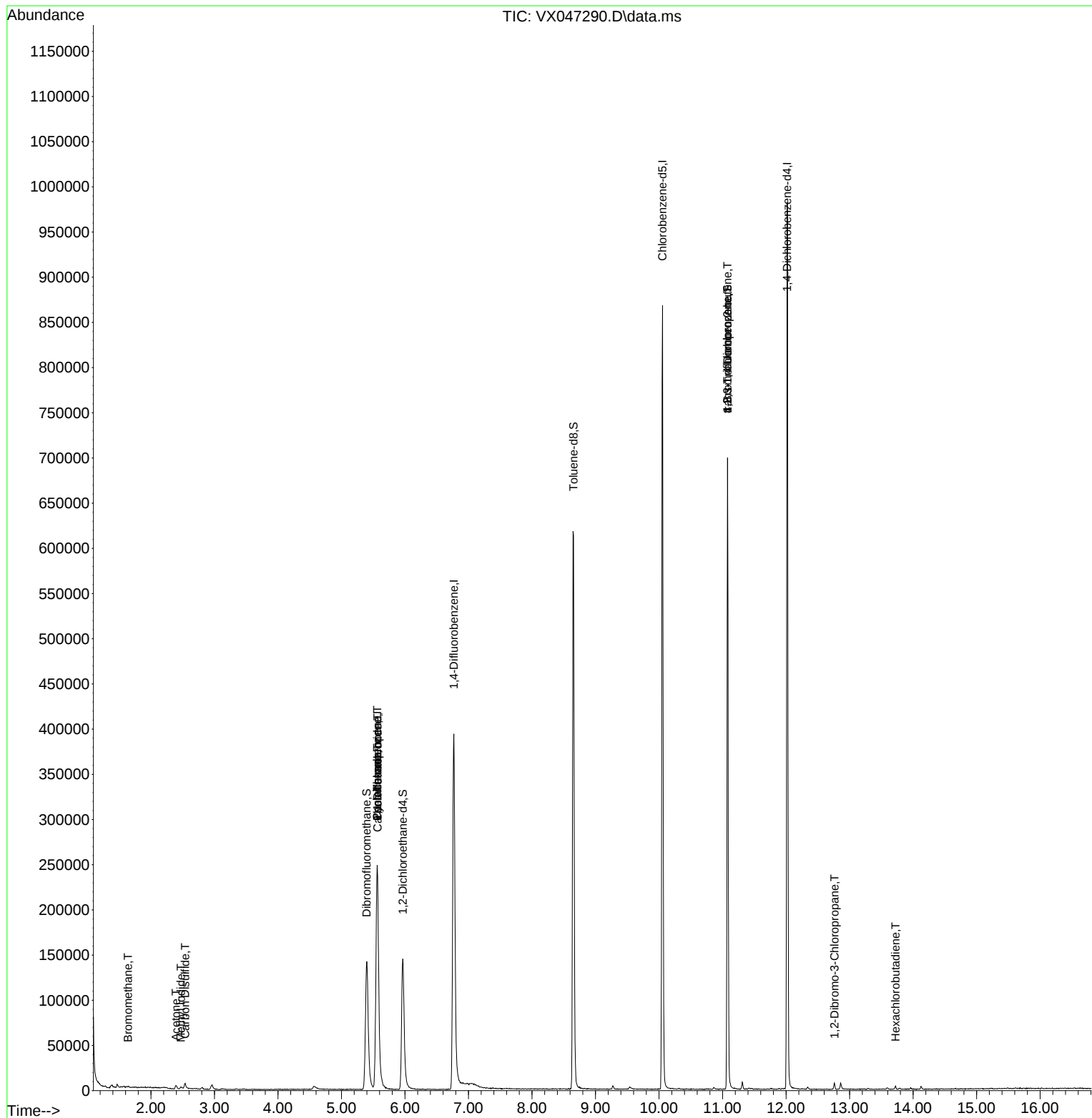
Internal Standards						
1) Pentafluorobenzene	5.562	168	248717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	430062	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	385662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	200668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155557	50.208	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.420%			
35) Dibromofluoromethane	5.397	113	135191	50.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.820%			
50) Toluene-d8	8.653	98	387096	45.015	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.020%#			
62) 4-Bromofluorobenzene	11.079	95	187357	50.558	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.120%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	752	0.394	ug/l #	4
10) Methyl Iodide	2.471	142	2799	0.870	ug/l #	82
11) Tert butyl alcohol	2.959	59	2402	Below Cal	#	85
16) Acetone	2.392	43	6543	5.272	ug/l	90
17) Carbon Disulfide	2.538	76	3943	0.436	ug/l #	88
31) Cyclohexane	5.562	56	5551	0.958	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	20729	4.580	ug/l #	50
38) Carbon Tetrachloride	5.568	117	25633	5.306	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	95726	25.773	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	95726	66.400	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	201	0.232	ug/l #	2
94) Hexachlorobutadiene	13.725	225	530	0.342	ug/l	80

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

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MSVOA_X
ClientSampleId :
TW-84SB-E

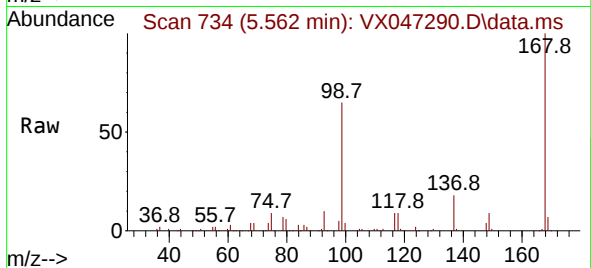
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



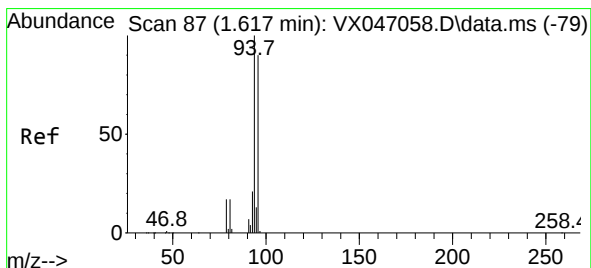
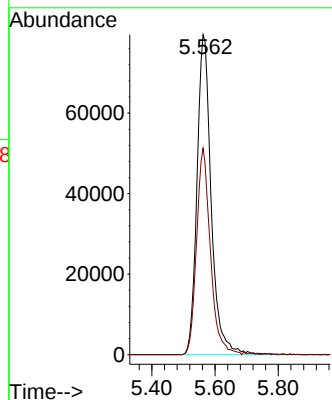
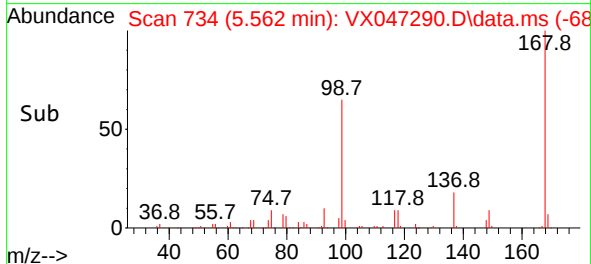


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

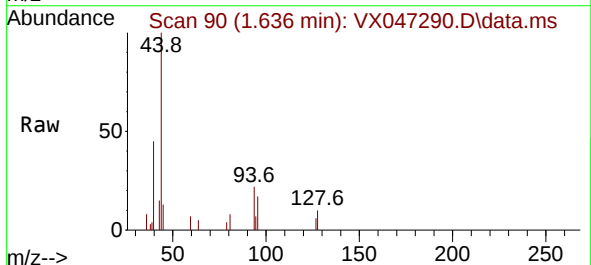
Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E



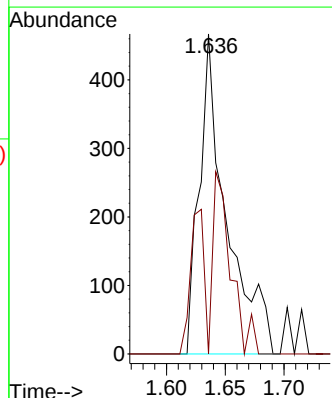
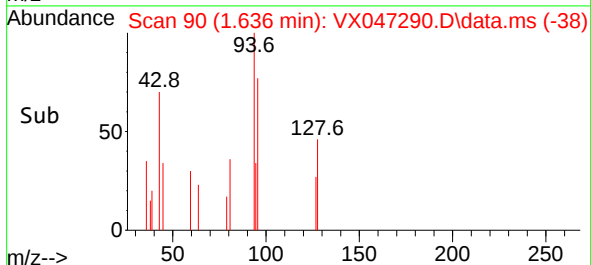
Tgt Ion:168 Resp: 248717
Ion Ratio Lower Upper
168 100
99 64.5 48.0 72.0

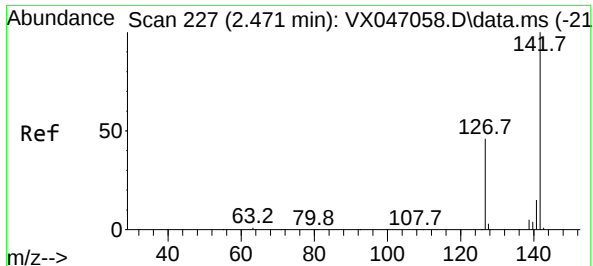


#5
Bromomethane
Concen: 0.394 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43



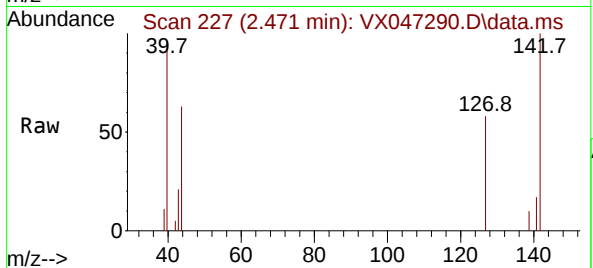
Tgt Ion: 94 Resp: 752
Ion Ratio Lower Upper
94 100
96 0.0 72.3 108.5#



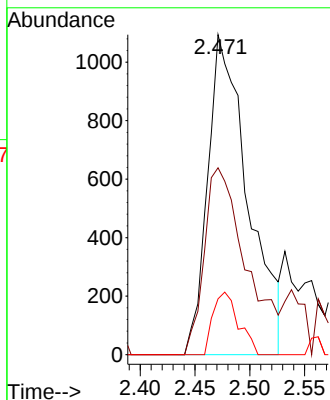
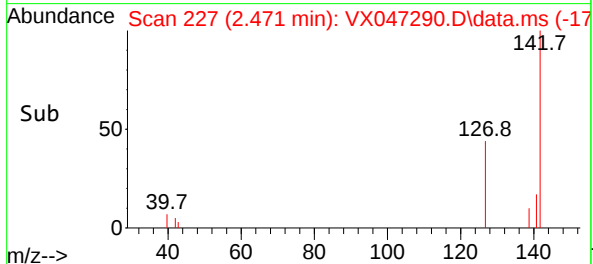


#10
Methyl Iodide
Concen: 0.870 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

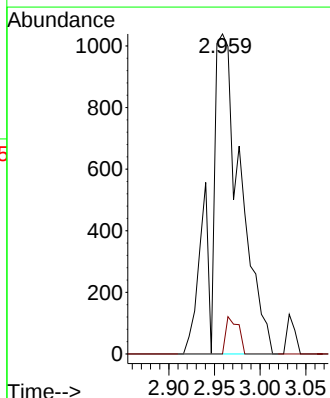
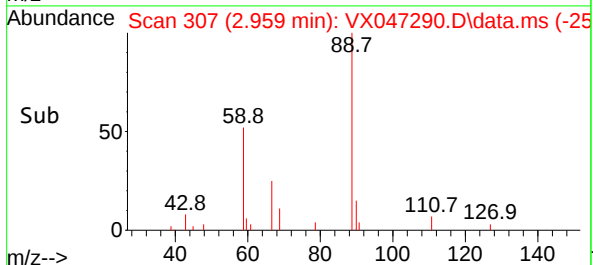
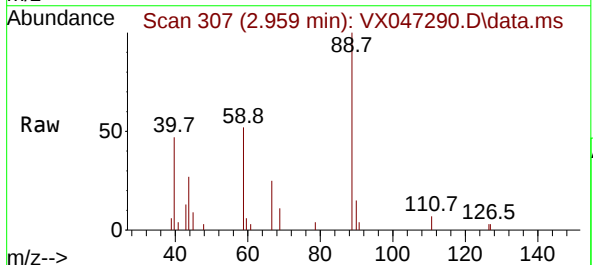


Tgt Ion:142 Resp: 2799
Ion Ratio Lower Upper
142 100
127 60.3 36.6 54.8#
141 12.4 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion: 59 Resp: 2402
Ion Ratio Lower Upper
59 100
57 4.8 8.5 12.7#

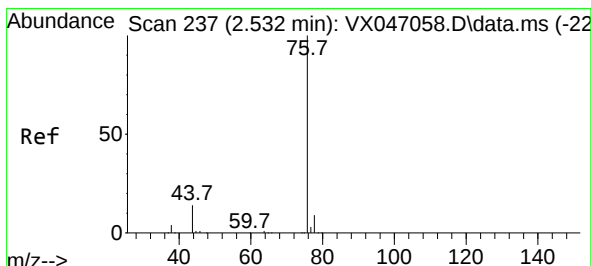
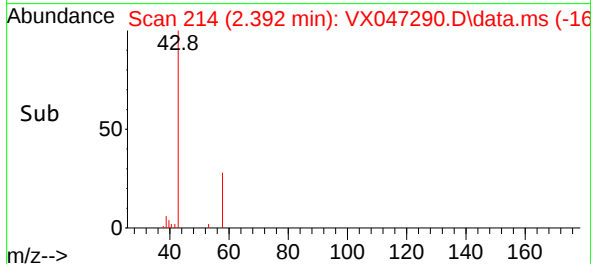
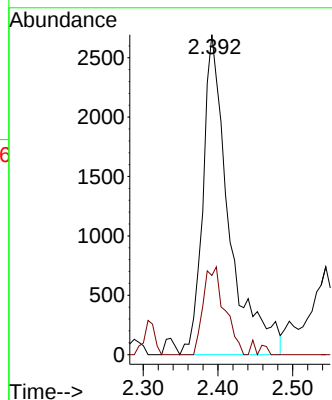
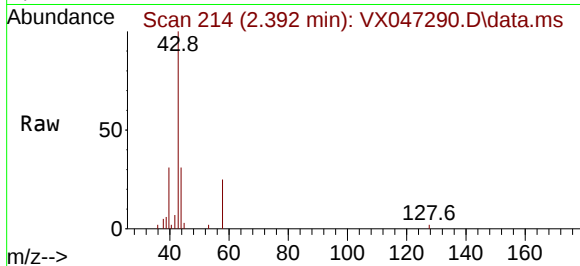




#16
Acetone
Concen: 5.272 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

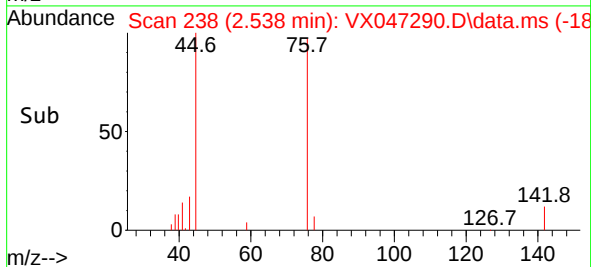
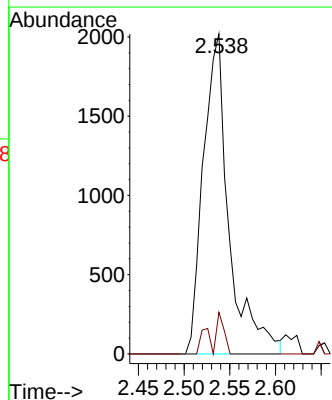
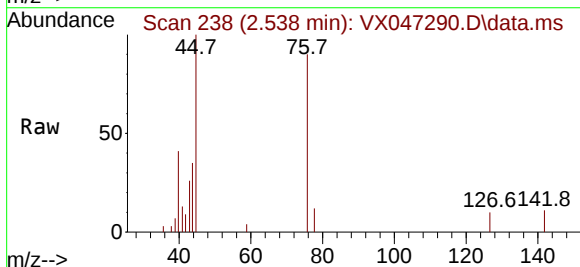
Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

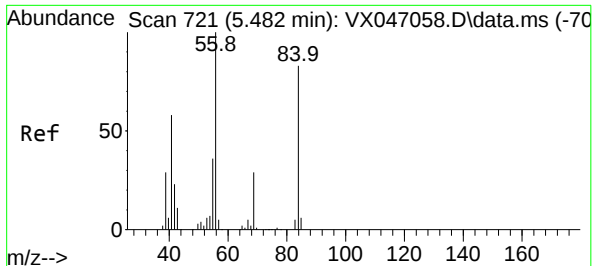
Tgt Ion: 43 Resp: 6543
Ion Ratio Lower Upper
43 100
58 24.8 24.0 36.0



#17
Carbon Disulfide
Concen: 0.436 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion: 76 Resp: 3943
Ion Ratio Lower Upper
76 100
78 13.0 7.0 10.4#

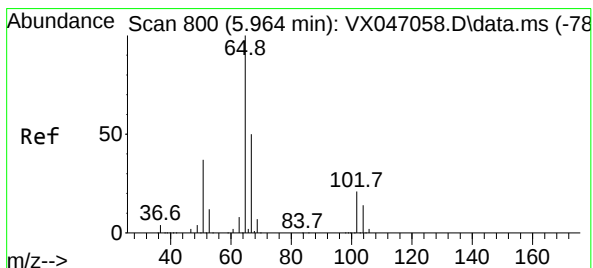
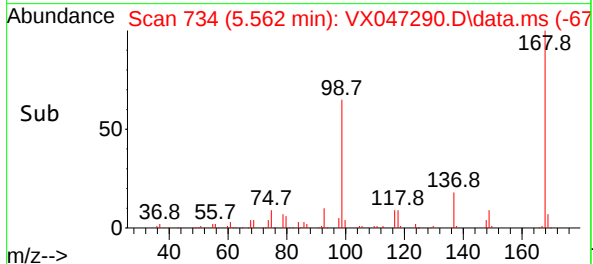
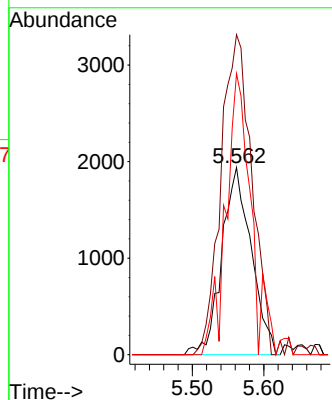
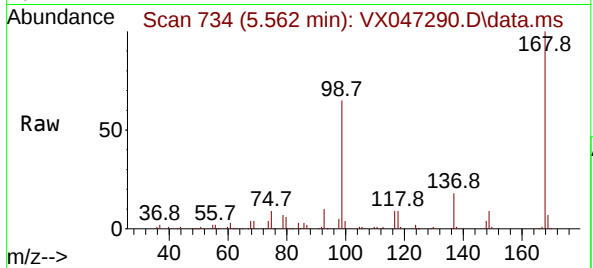




#31
Cyclohexane
Concen: 0.958 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

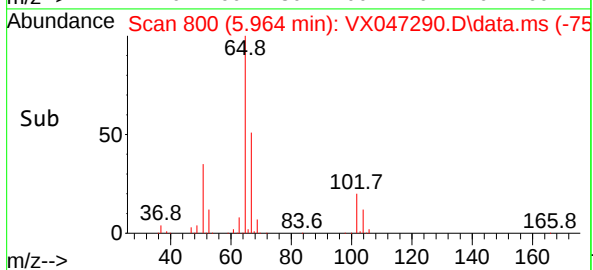
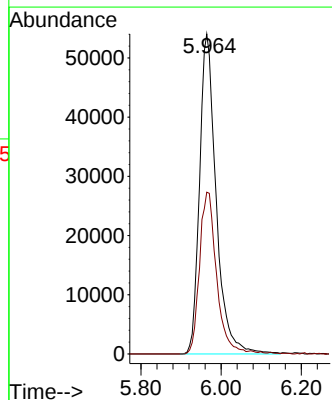
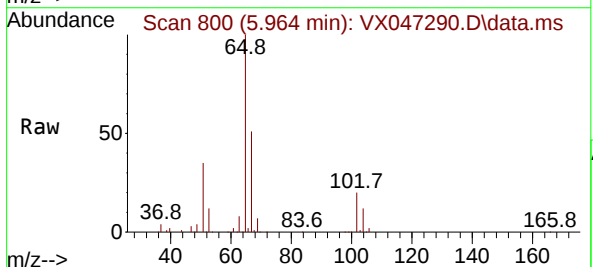
Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

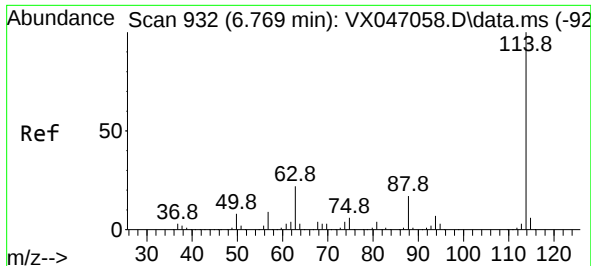
Tgt Ion: 56 Resp: 5551
Ion Ratio Lower Upper
56 100
69 164.9 23.3 34.9#
84 144.9 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 50.208 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion: 65 Resp: 155557
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8

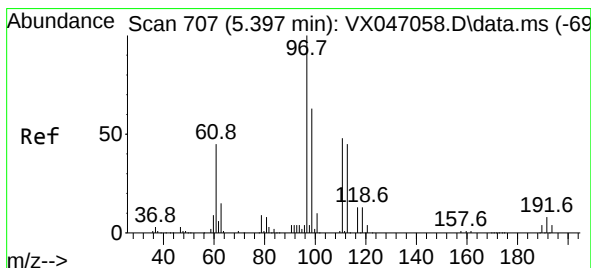
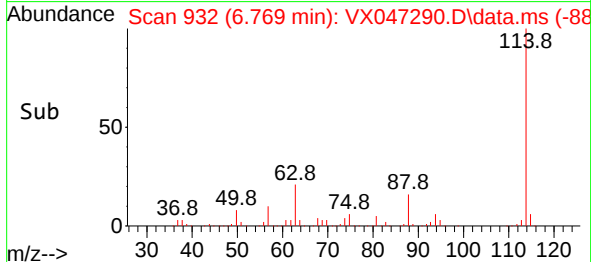
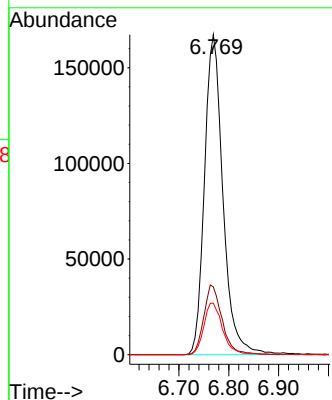
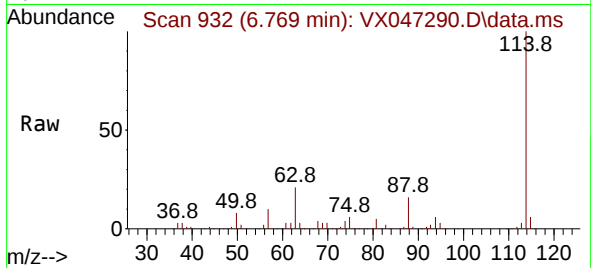




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

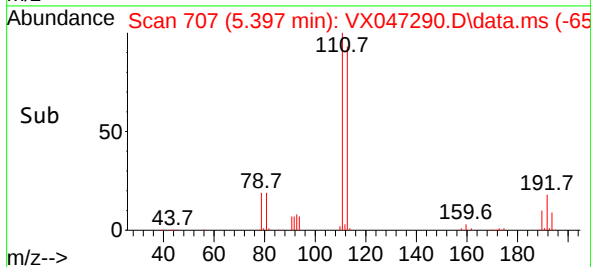
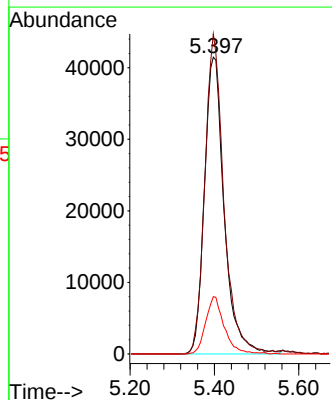
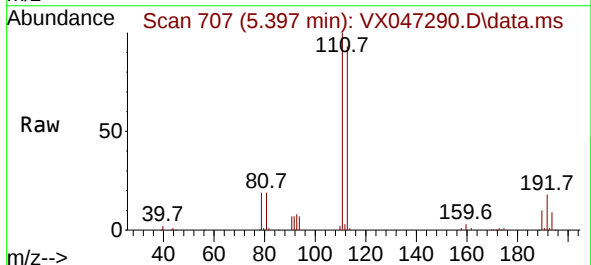
Instrument :
MSVOA_X
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TW-84SB-E

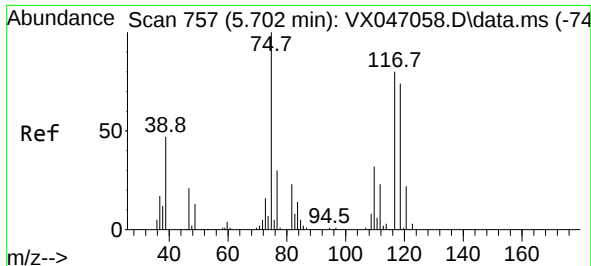
Tgt Ion:114 Resp: 430062
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.2
88 16.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 50.913 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion:113 Resp: 135191
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 18.2 14.9 22.3

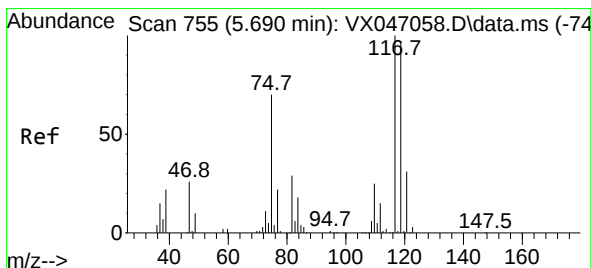
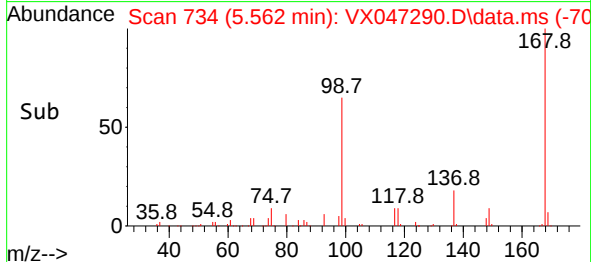
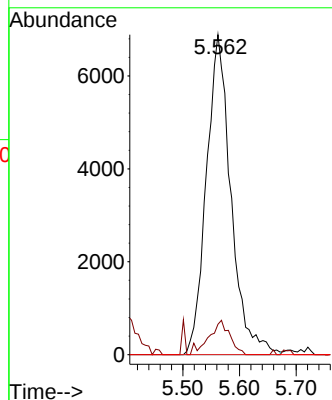
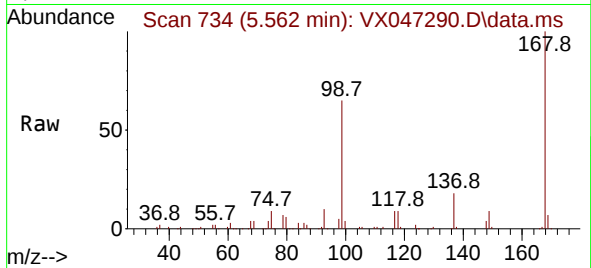




#36
 1,1-Dichloropropene
 Concen: 4.580 ug/l
 RT: 5.562 min Scan# 714
 Delta R.T. -0.140 min
 Lab File: VX047290.D
 Acq: 12 Aug 2025 12:43

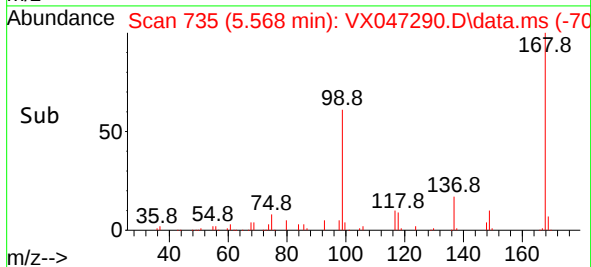
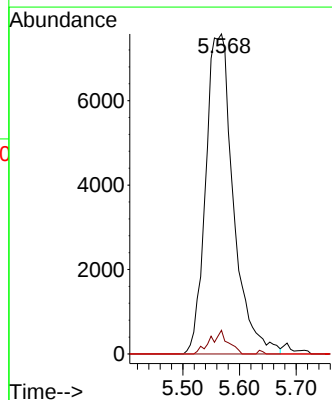
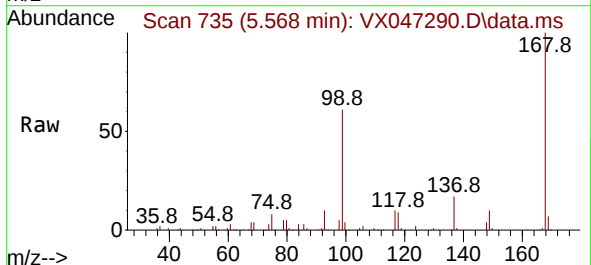
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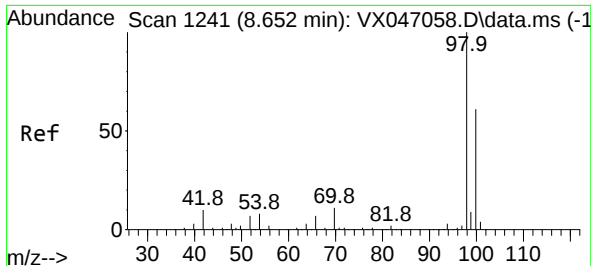
Tgt Ion: 75 Resp: 20729
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.2 51.5#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.306 ug/l
 RT: 5.568 min Scan# 735
 Delta R.T. -0.122 min
 Lab File: VX047290.D
 Acq: 12 Aug 2025 12:43

Tgt Ion: 117 Resp: 25633
 Ion Ratio Lower Upper
 117 100
 119 7.4 76.6 115.0#
 121 0.0 24.4 36.6#

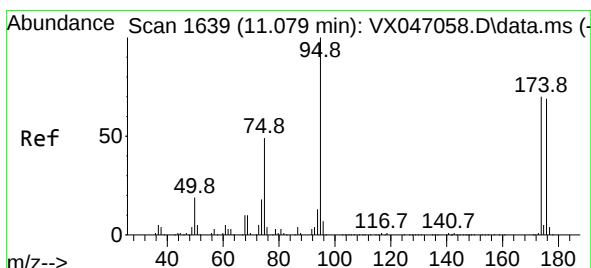
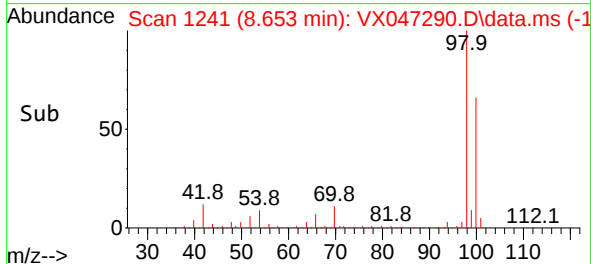
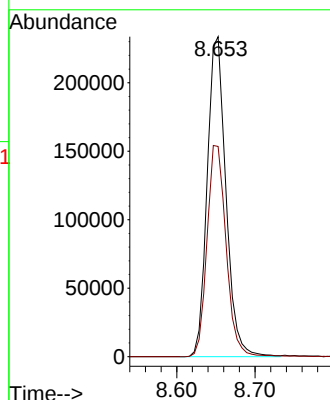
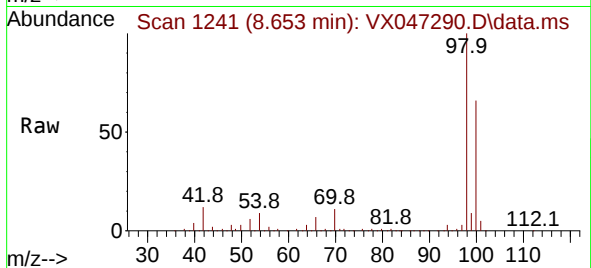




#50
Toluene-d8
Concen: 45.015 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

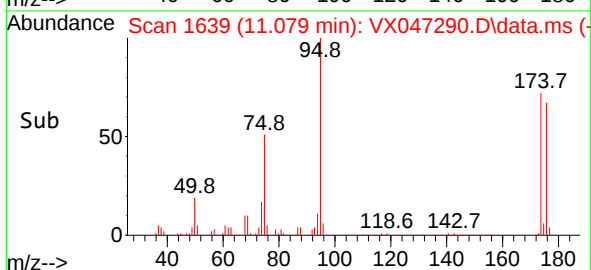
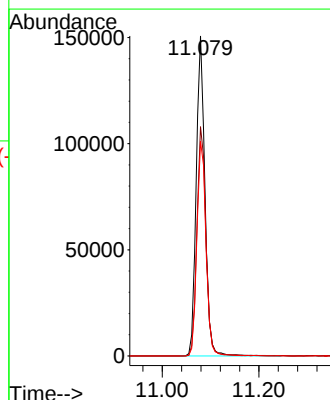
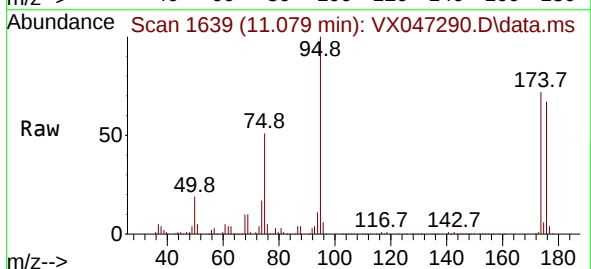
Instrument :
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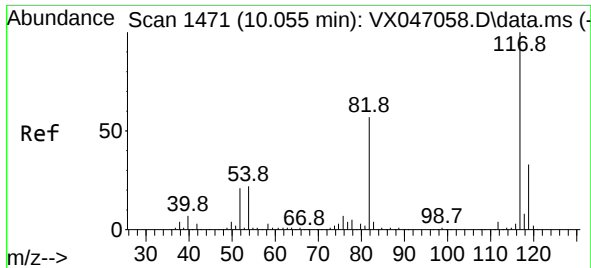
Tgt Ion: 98 Resp: 387096
Ion Ratio Lower Upper
98 100
100 67.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion: 95 Resp: 187357
Ion Ratio Lower Upper
95 100
174 74.5 0.0 144.6
176 70.0 0.0 139.6

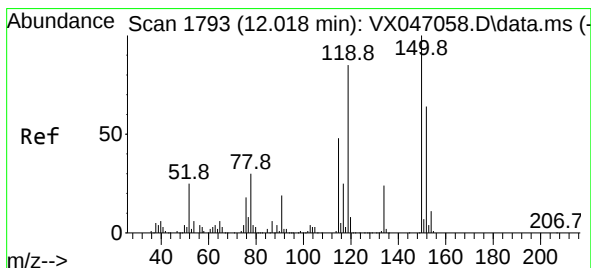
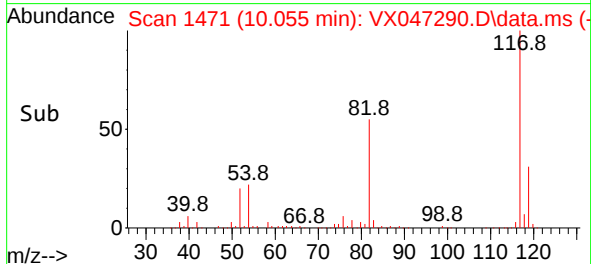
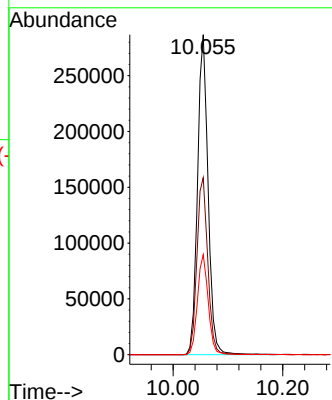
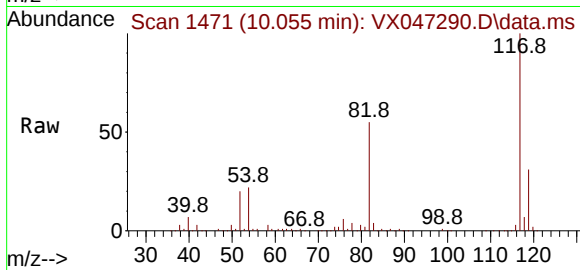




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

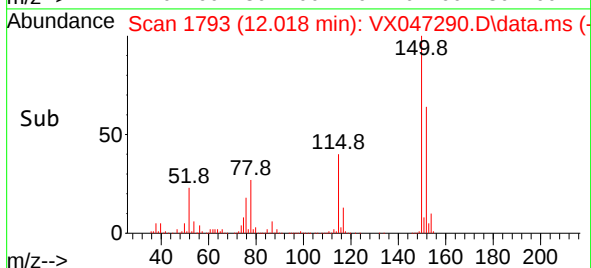
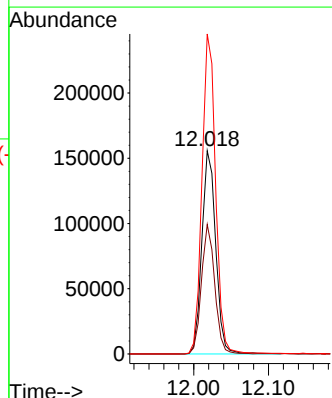
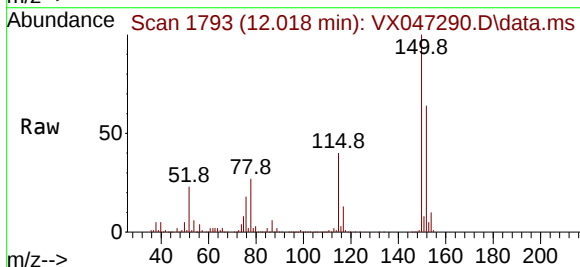
Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

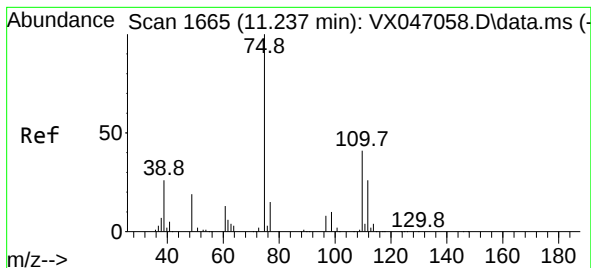
Tgt Ion:117 Resp: 385662
Ion Ratio Lower Upper
117 100
82 55.3 45.4 68.2
119 31.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion:152 Resp: 200668
Ion Ratio Lower Upper
152 100
115 61.2 45.6 136.7
150 155.0 0.0 354.6





#76

1,2,3-Trichloropropane

Concen: 25.773 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047290.D

Acq: 12 Aug 2025 12:43

Instrument :

MSVOA_X

ClientSampleId :

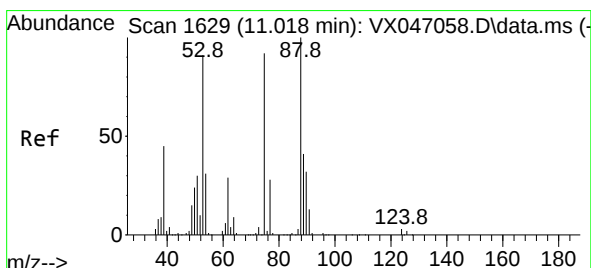
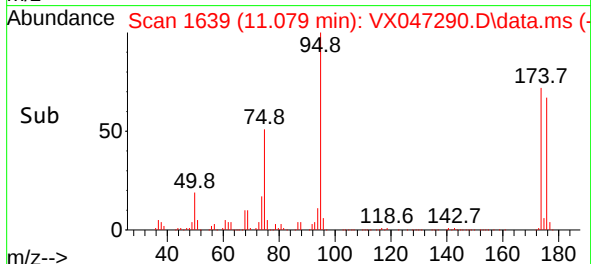
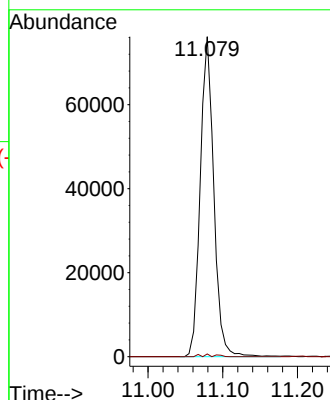
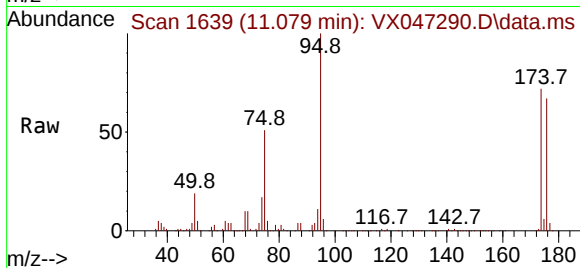
TW-84SB-E

Tgt Ion: 75 Resp: 95726

Ion Ratio Lower Upper

75 100

77 0.2 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.400 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047290.D

Acq: 12 Aug 2025 12:43

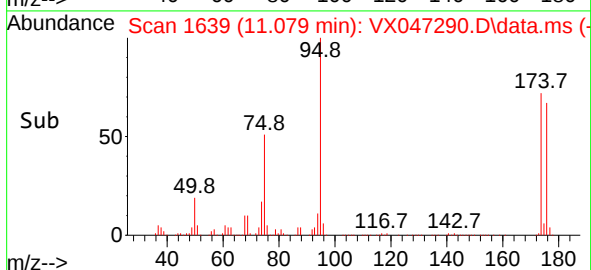
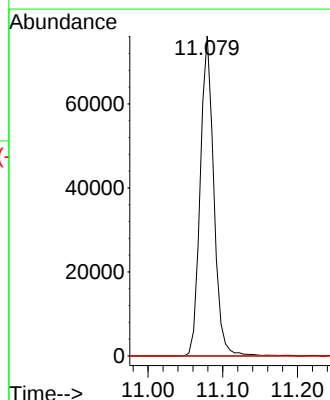
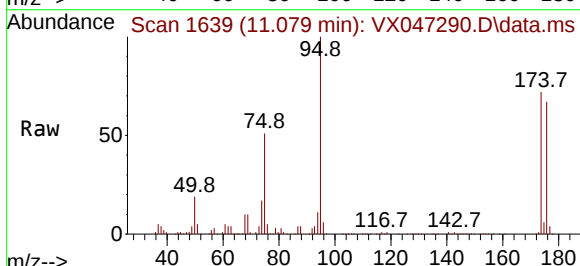
Tgt Ion: 75 Resp: 95726

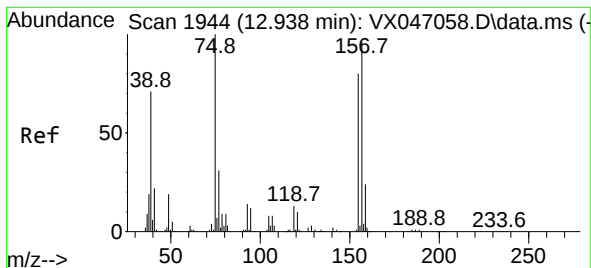
Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

89 0.0 36.0 54.0#

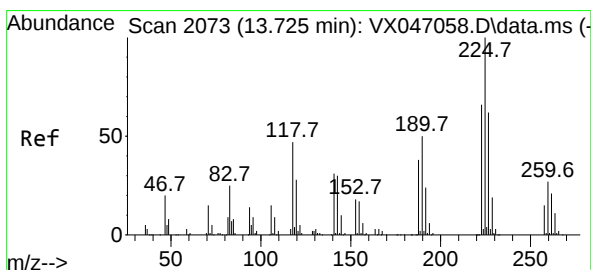
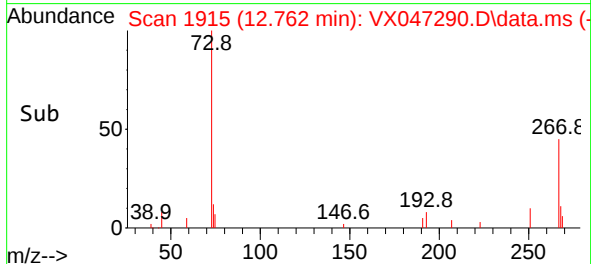
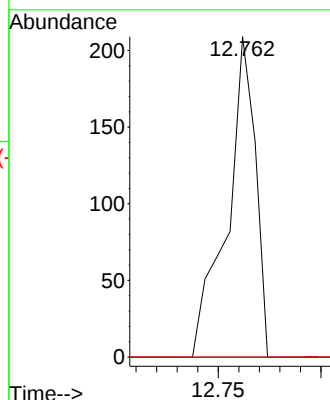
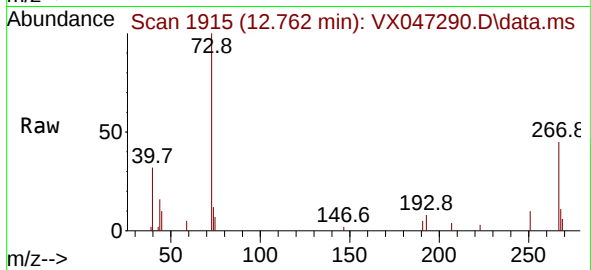




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.232 ug/l
 RT: 12.762 min Scan# 1944
 Delta R.T. -0.177 min
 Lab File: VX047290.D
 Acq: 12 Aug 2025 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-84SB-E

Tgt Ion: 75 Resp: 201
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.3 124.1#
 157 0.0 52.8 158.3#



#94
 Hexachlorobutadiene
 Concen: 0.342 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX047290.D
 Acq: 12 Aug 2025 12:43

Tgt Ion: 225 Resp: 530
 Ion Ratio Lower Upper
 225 100
 223 44.3 31.6 95.0
 227 53.6 32.9 98.6

