

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047333.D
 Acq On : 13 Aug 2025 19:07
 Operator : JC/MD
 Sample : Q2815-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-88H-S

Quant Time: Aug 14 03:34:09 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)

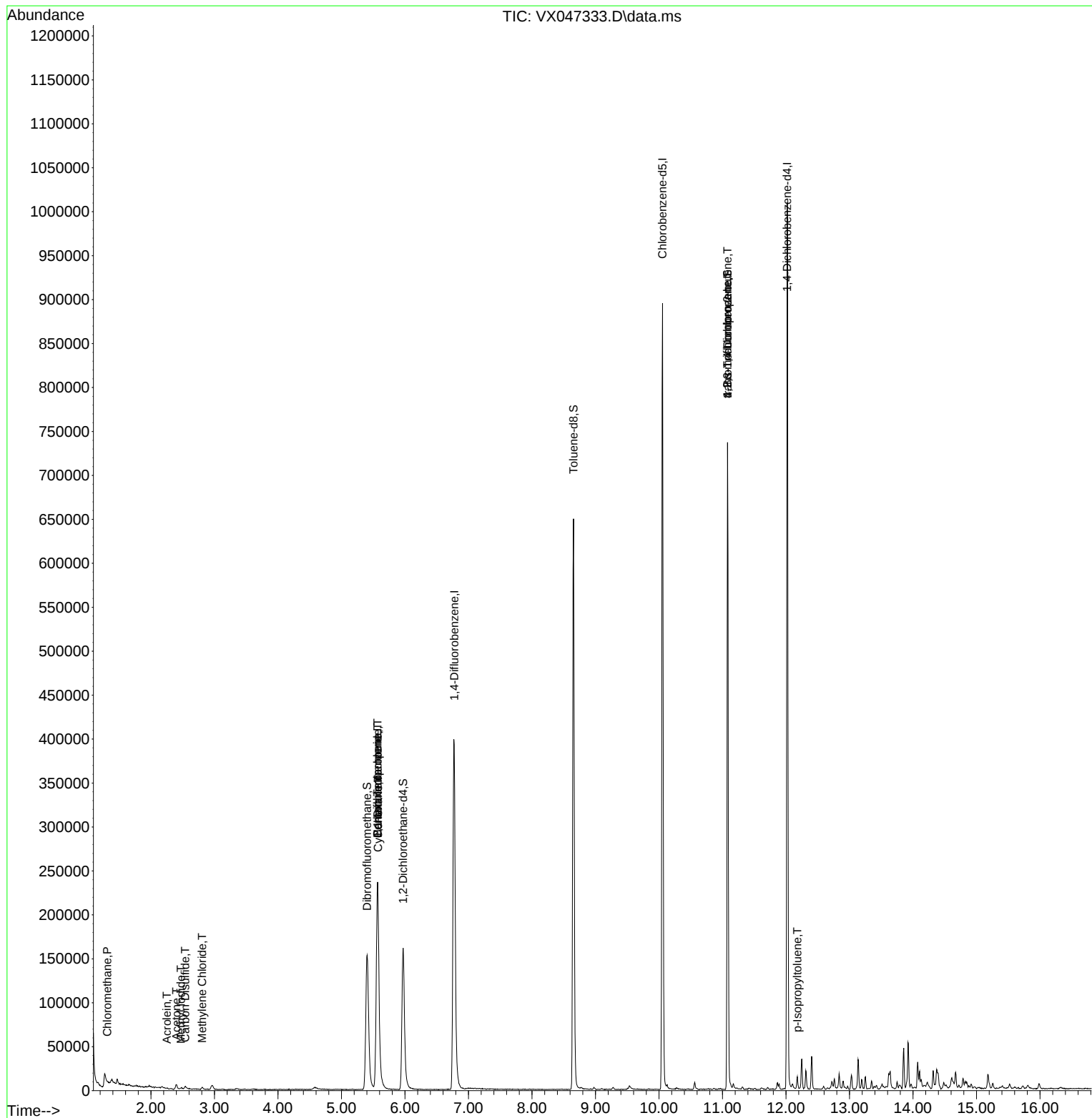
Internal Standards						
1) Pentafluorobenzene	5.568	168	233775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	432058	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	400255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	200667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	172545	59.251	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.500%#			
35) Dibromofluoromethane	5.404	113	148312	55.596	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.200%			
50) Toluene-d8	8.653	98	396235	45.865	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.720%#			
62) 4-Bromofluorobenzene	11.079	95	197171	52.960	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.920%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	761	0.248	ug/l #	43
10) Methyl Iodide	2.471	142	1827	0.604	ug/l #	95
11) Tert butyl alcohol	2.965	59	2743	Below Cal	#	72
13) Acrolein	2.252	56	136	0.217	ug/l #	39
16) Acetone	2.398	43	7541	6.464	ug/l	97
17) Carbon Disulfide	2.538	76	1961	0.231	ug/l #	94
20) Methylene Chloride	2.806	84	953	0.297	ug/l #	76
31) Cyclohexane	5.574	56	5217	0.958	ug/l #	15
36) 1,1-Dichloropropene	5.568	75	19612	4.313	ug/l #	50
38) Carbon Tetrachloride	5.568	117	25194	5.191	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	102643	27.635	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	102643	71.199	ug/l #	8
86) p-Isopropyltoluene	12.177	119	5391	0.396	ug/l	96

(#) = 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
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Response via : Initial Calibration

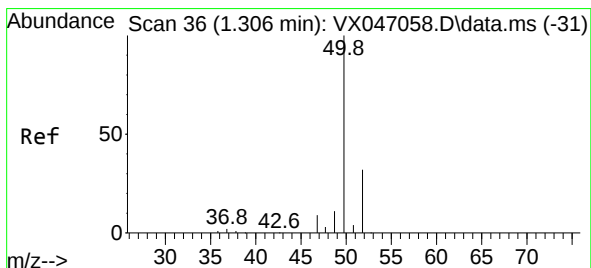
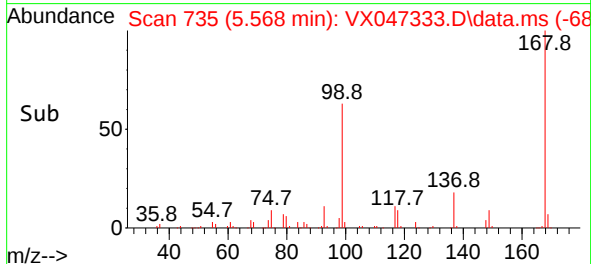
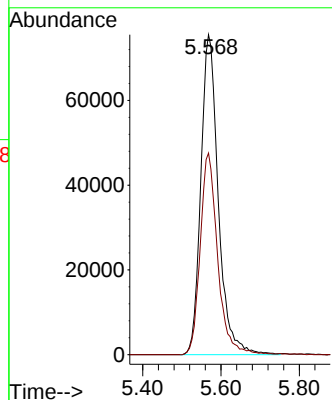
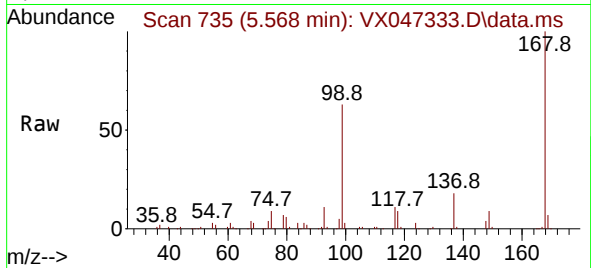




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

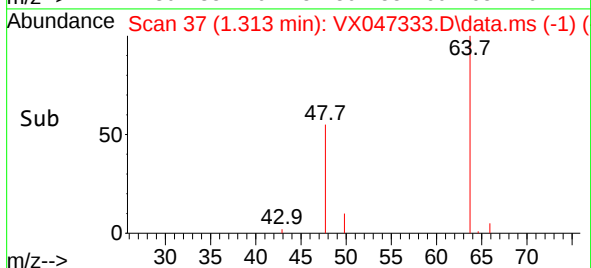
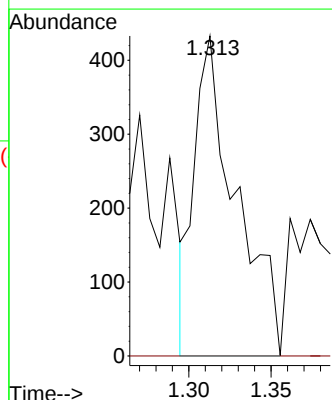
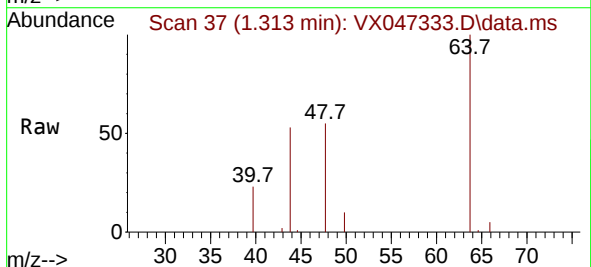
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-S

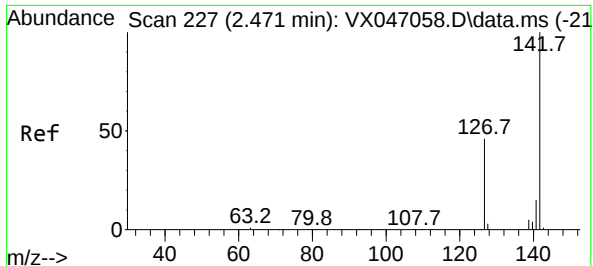
Tgt Ion:168 Resp: 233775
Ion Ratio Lower Upper
168 100
99 63.0 48.0 72.0



#3
Chloromethane
Concen: 0.248 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.007 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

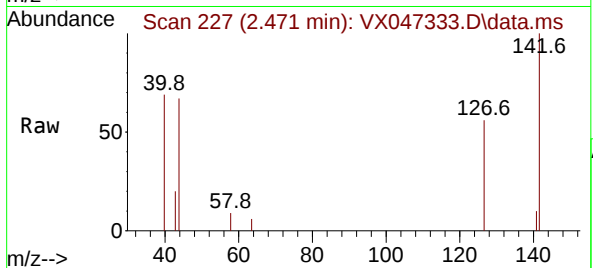
Tgt Ion: 50 Resp: 761
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



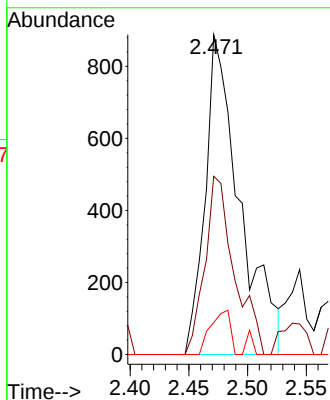
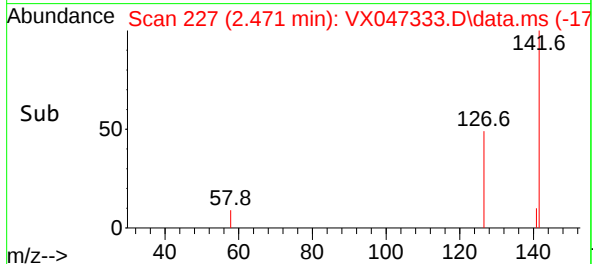


#10
Methyl Iodide
Concen: 0.604 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

Instrument :
MSVOA_X
ClientSampleId :
TW-88H-S

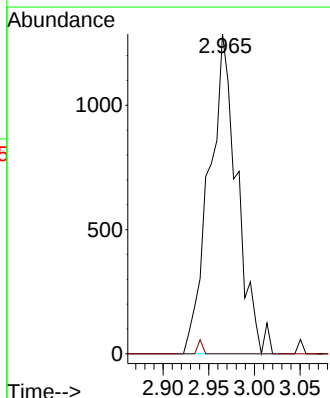
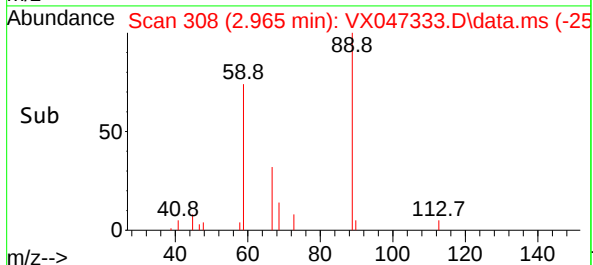
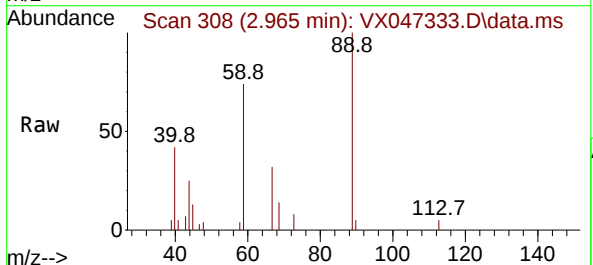


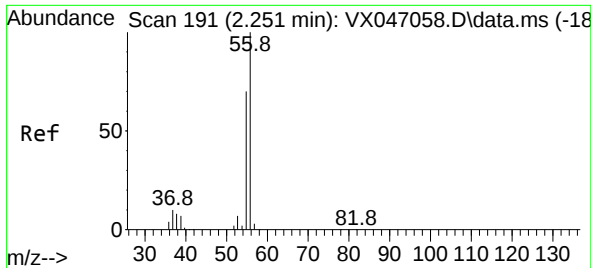
Tgt Ion:142 Resp: 1827
Ion Ratio Lower Upper
142 100
127 47.1 36.6 54.8
141 7.8 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

Tgt Ion: 59 Resp: 2743
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

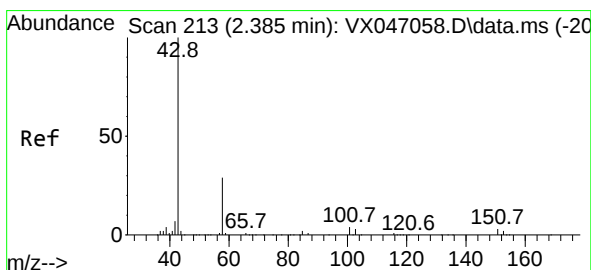
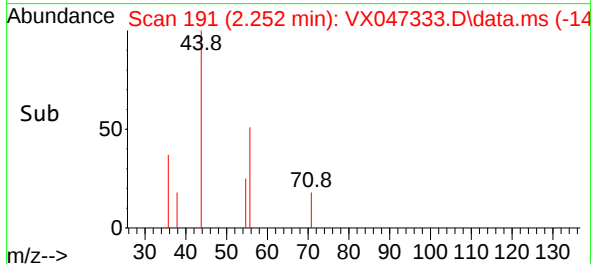
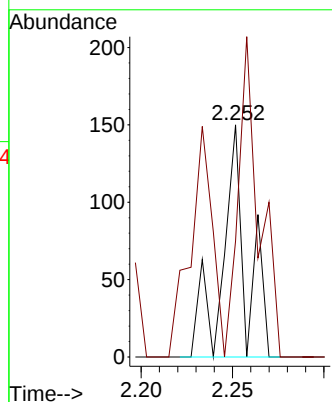
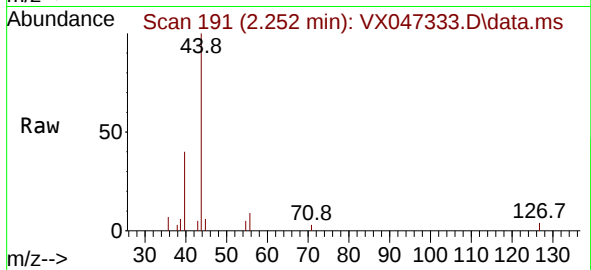




#13
Acrolein
Concen: 0.217 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

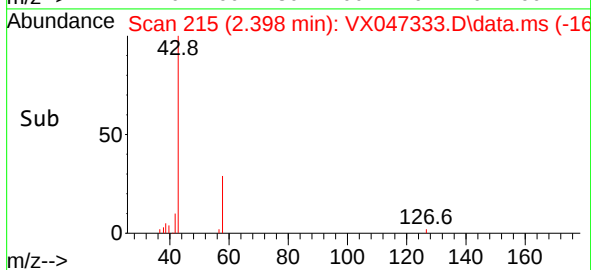
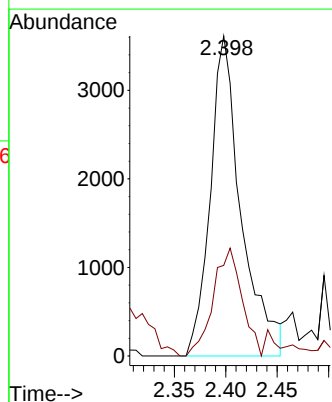
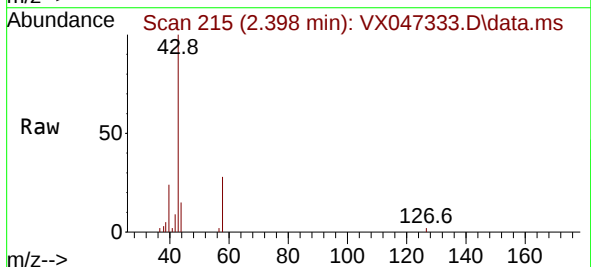
Instrument :
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ClientSampleId :
TW-88H-S

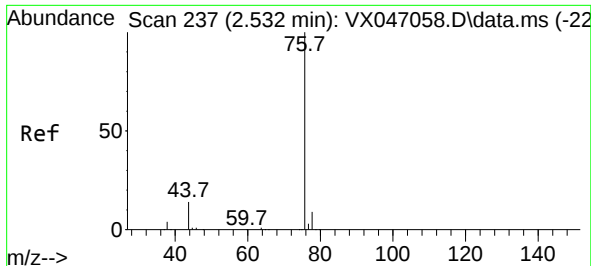
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 119.9 55.7 83.5#



#16
Acetone
Concen: 6.464 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

Tgt Ion: 43 Resp: 7541
Ion Ratio Lower Upper
43 100
58 31.5 24.0 36.0





#17

Carbon Disulfide

Concen: 0.231 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.007 min

Lab File: VX047333.D

Acq: 13 Aug 2025 19:07

Instrument :

MSVOA_X

ClientSampleId :

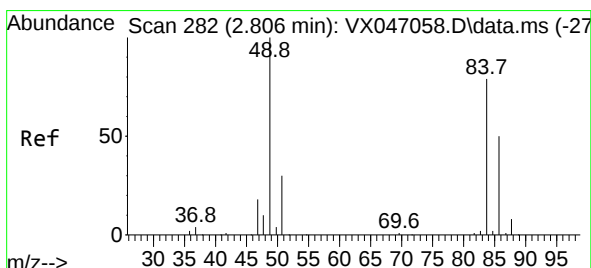
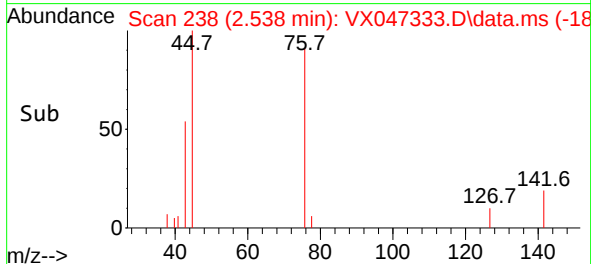
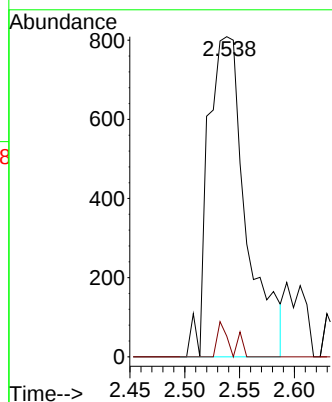
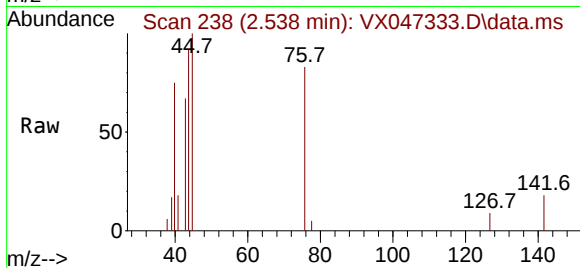
TW-88H-S

Tgt Ion: 76 Resp: 1961

Ion Ratio Lower Upper

76 100

78 6.4 7.0 10.4#



#20

Methylene Chloride

Concen: 0.297 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX047333.D

Acq: 13 Aug 2025 19:07

Tgt Ion: 84 Resp: 953

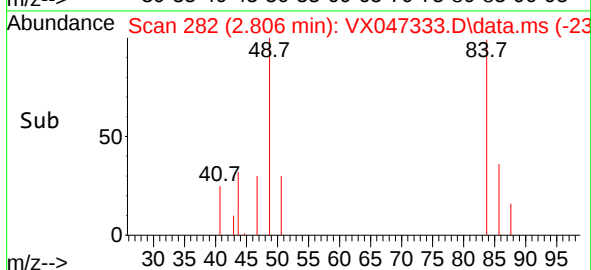
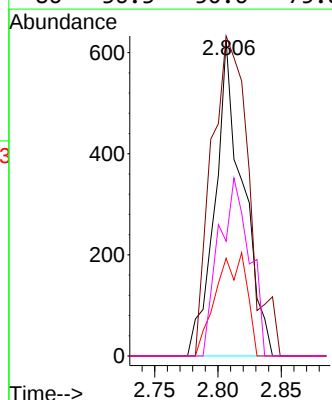
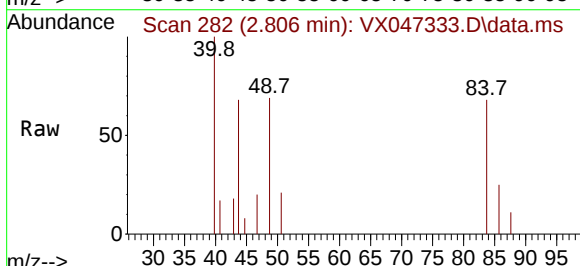
Ion Ratio Lower Upper

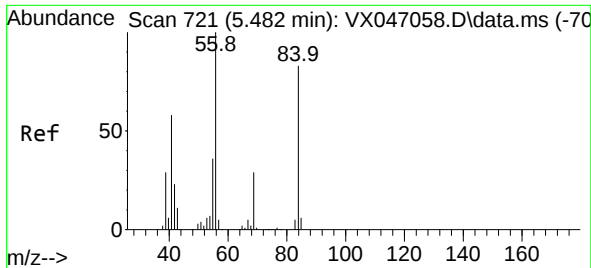
84 100

49 101.3 101.6 152.4#

51 30.9 30.3 45.5

86 36.3 50.6 75.8#

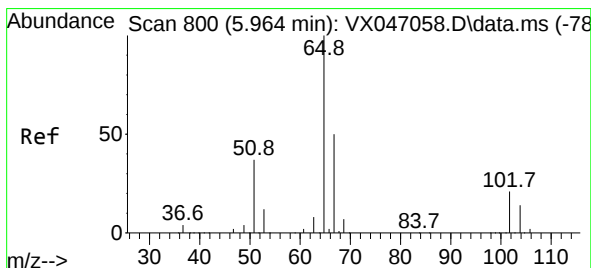
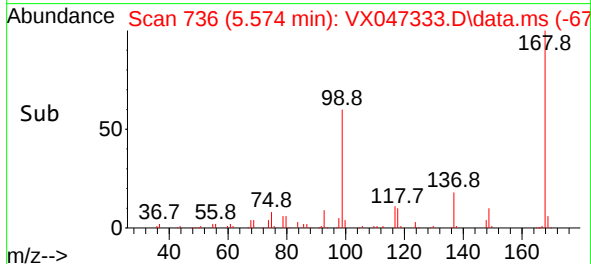
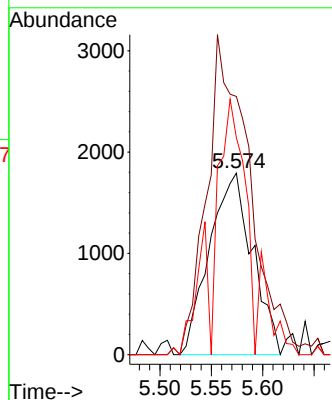
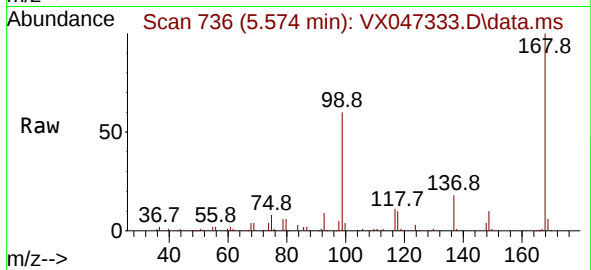




#31
Cyclohexane
Concen: 0.958 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.092 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

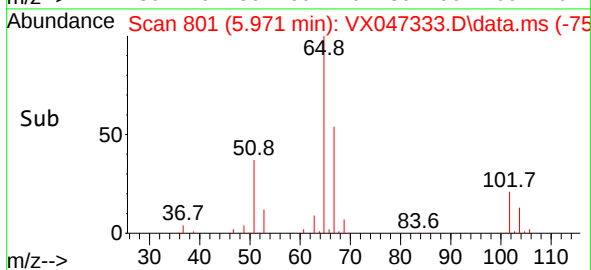
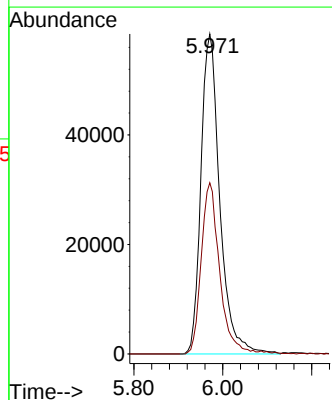
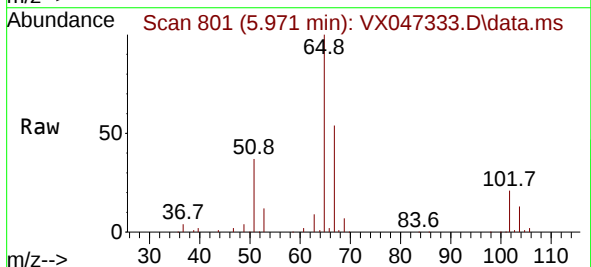
Instrument :
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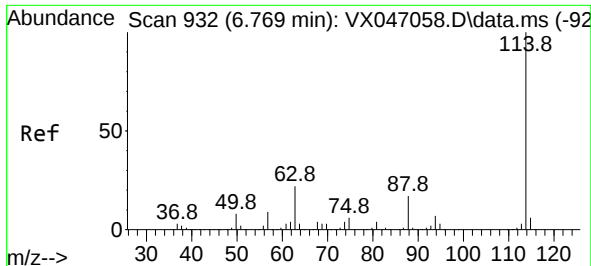
Tgt Ion: 56 Resp: 5217
Ion Ratio Lower Upper
56 100
69 142.2 23.3 34.9#
84 119.4 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 59.251 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

Tgt Ion: 65 Resp: 172545
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8

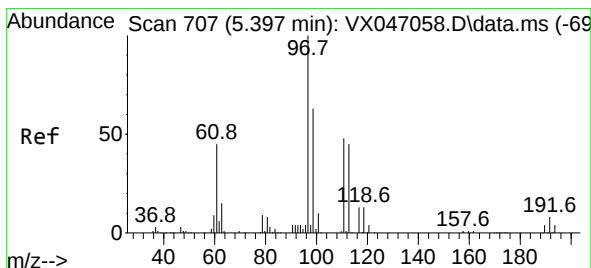
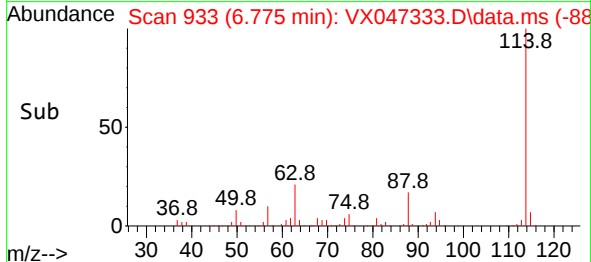
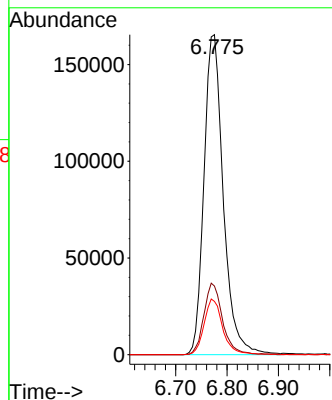
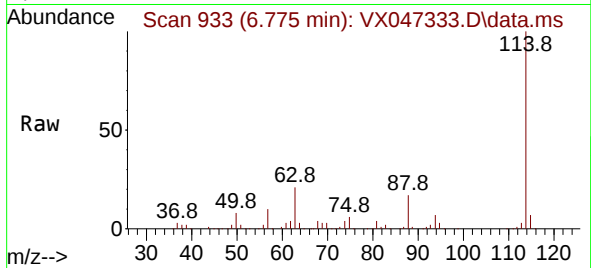




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

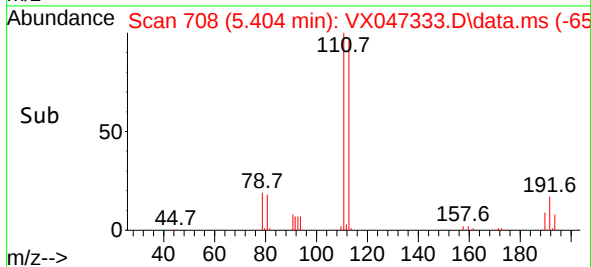
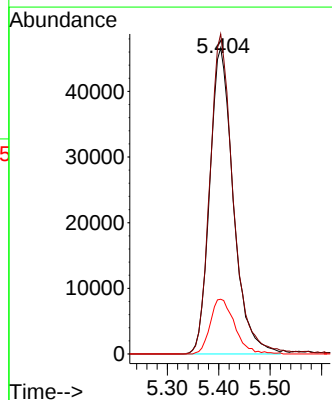
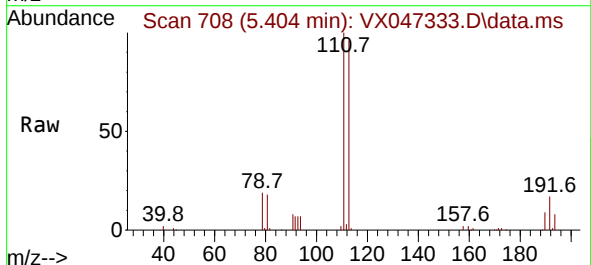
Instrument :
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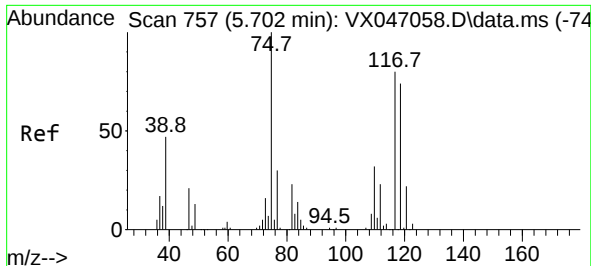
Tgt Ion:114 Resp: 432058
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.2
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.596 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.007 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

Tgt Ion:113 Resp: 148312
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 18.6 14.9 22.3

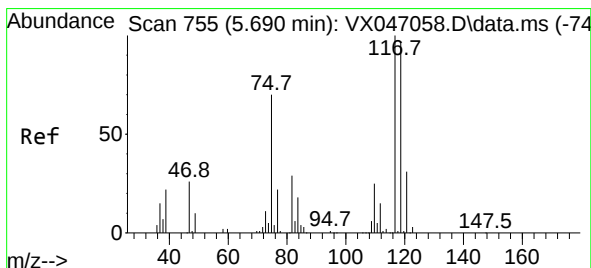
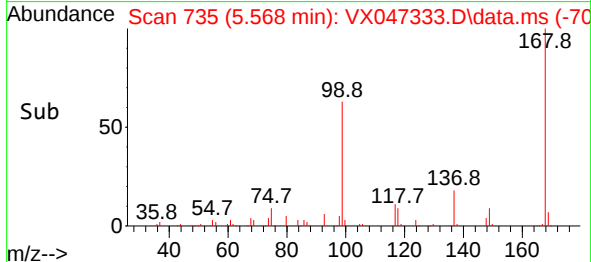
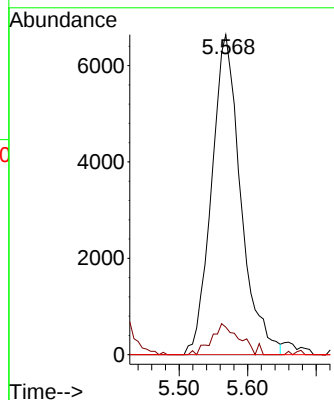
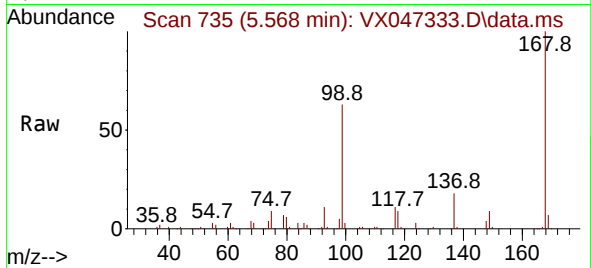




#36
 1,1-Dichloropropene
 Concen: 4.313 ug/l
 RT: 5.568 min Scan# 71
 Delta R.T. -0.134 min
 Lab File: VX047333.D
 Acq: 13 Aug 2025 19:07

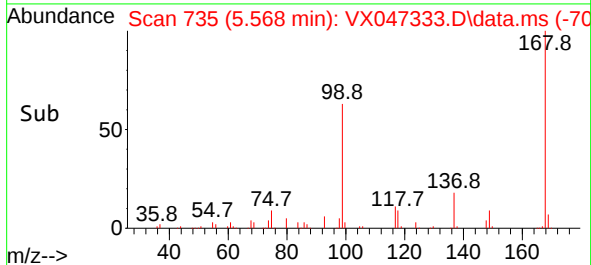
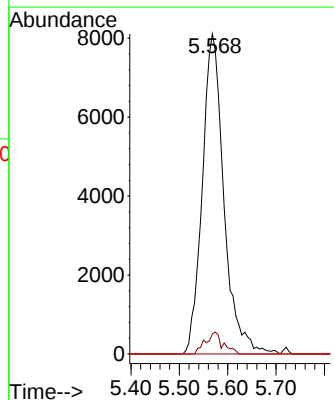
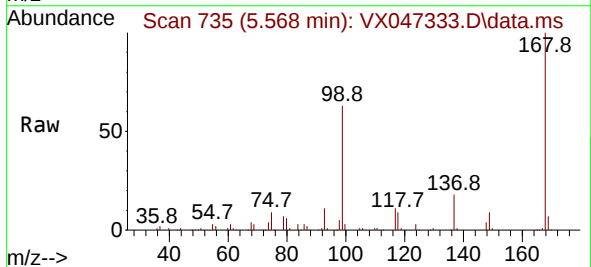
Instrument :
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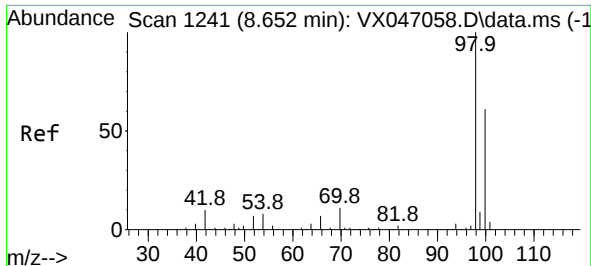
Tgt Ion: 75 Resp: 19612
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.2 51.5#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.191 ug/l
 RT: 5.568 min Scan# 735
 Delta R.T. -0.121 min
 Lab File: VX047333.D
 Acq: 13 Aug 2025 19:07

Tgt Ion: 117 Resp: 25194
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.6 115.0#
 121 0.0 24.4 36.6#

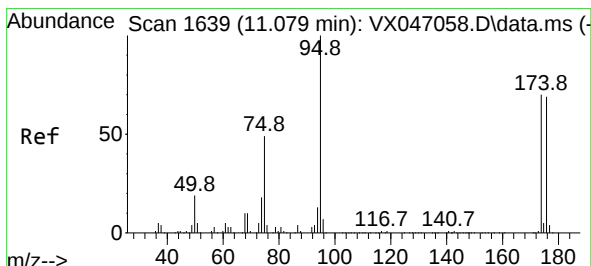
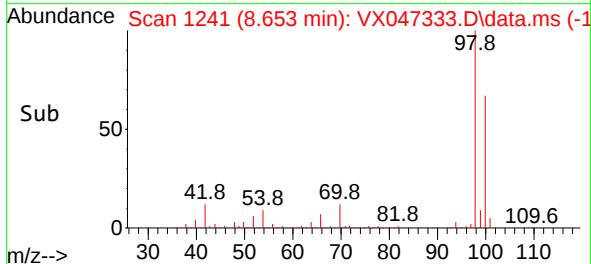
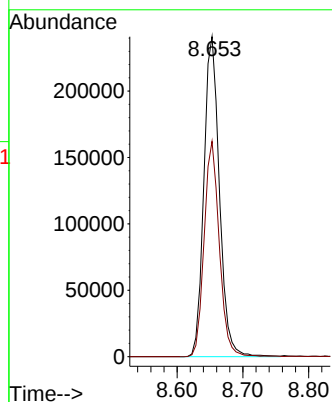
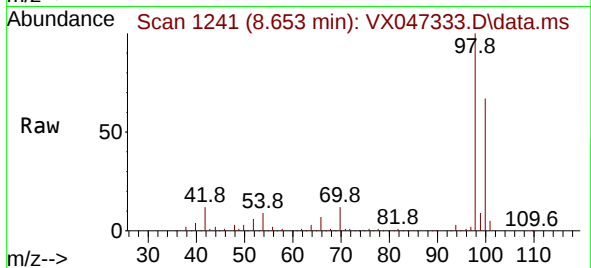




#50
Toluene-d8
Concen: 45.865 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

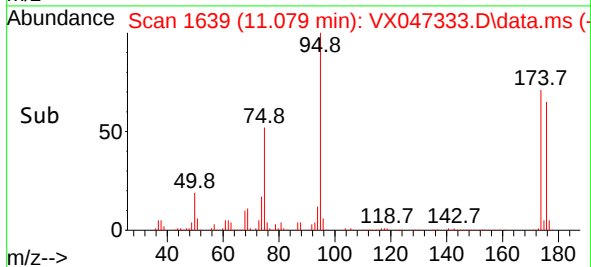
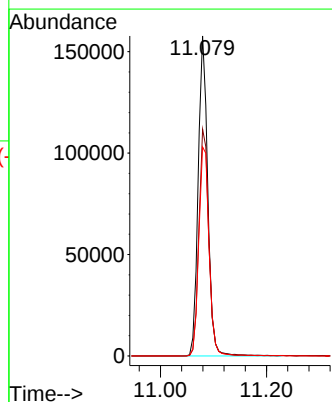
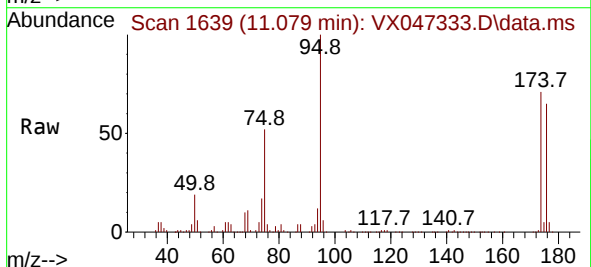
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-S

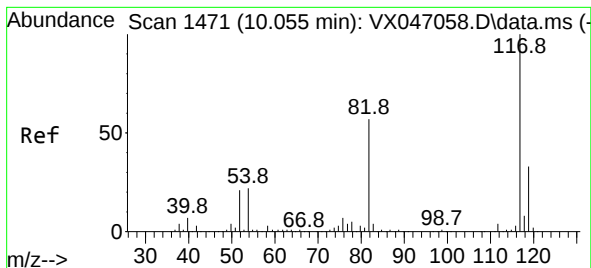
Tgt Ion: 98 Resp: 396235
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 52.960 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

Tgt Ion: 95 Resp: 197171
Ion Ratio Lower Upper
95 100
174 73.2 0.0 144.6
176 70.4 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: VX047333.D

Acq: 13 Aug 2025 19:07

Instrument :

MSVOA_X

ClientSampleId :

TW-88H-S

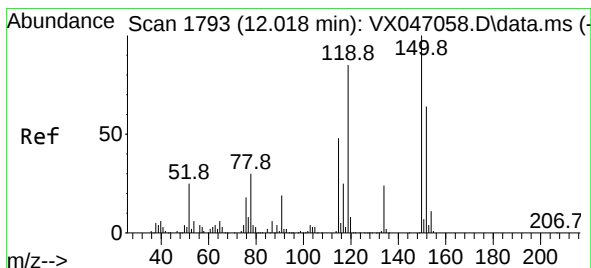
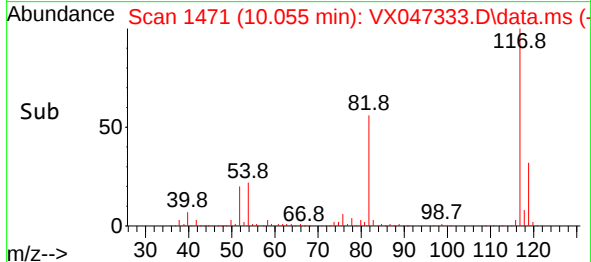
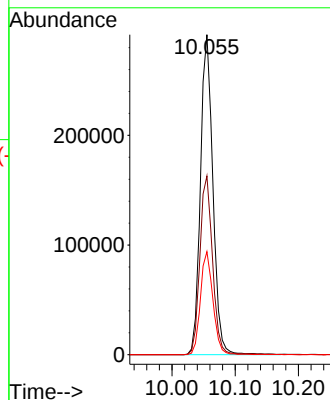
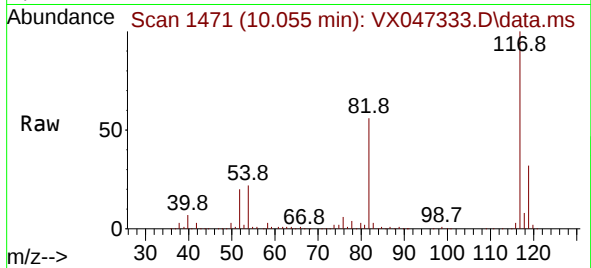
Tgt Ion:117 Resp: 400255

Ion Ratio Lower Upper

117 100

82 55.8 45.4 68.2

119 32.2 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: VX047333.D

Acq: 13 Aug 2025 19:07

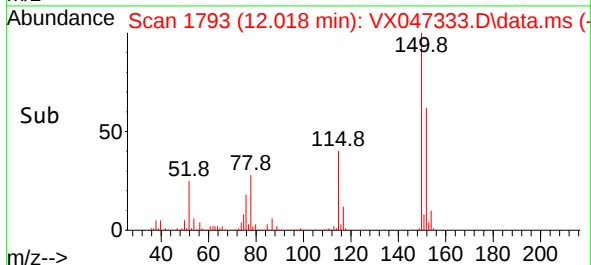
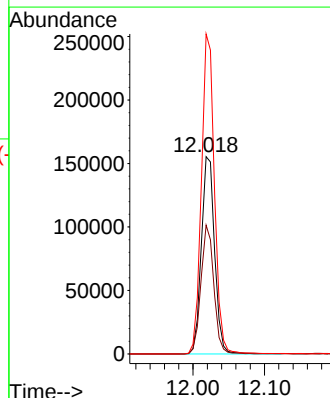
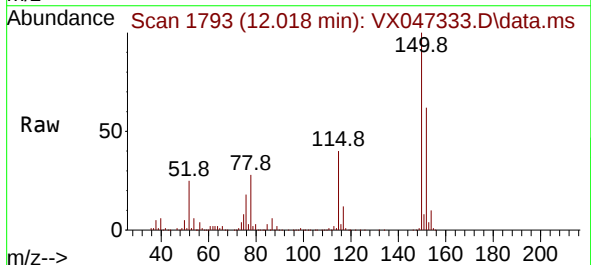
Tgt Ion:152 Resp: 200667

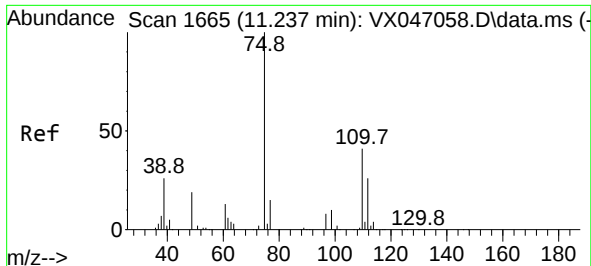
Ion Ratio Lower Upper

152 100

115 63.3 45.6 136.7

150 158.9 0.0 354.6

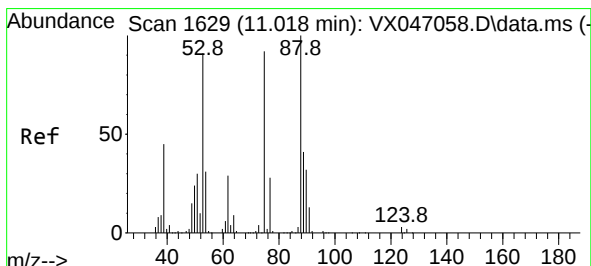
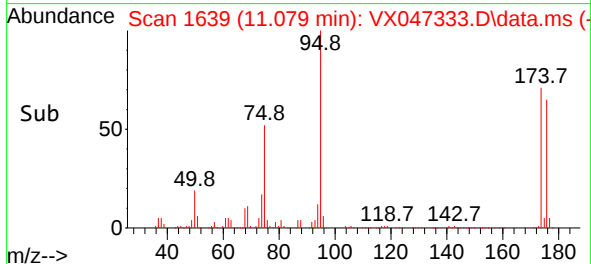
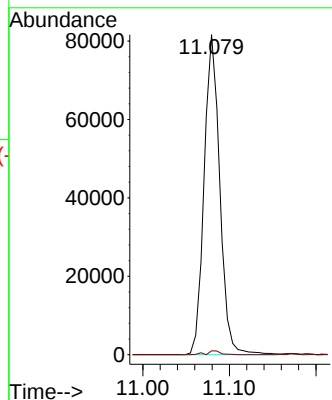
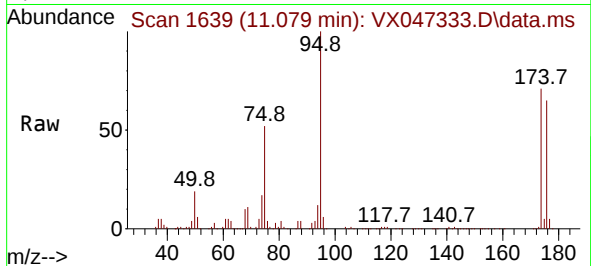




#76
1,2,3-Trichloropropane
Concen: 27.635 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

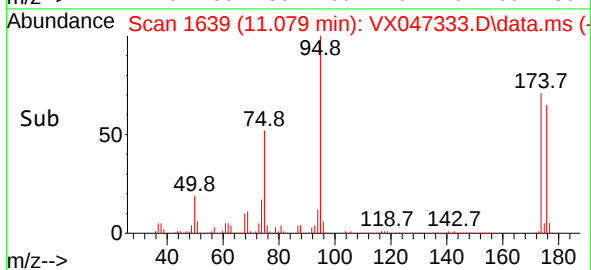
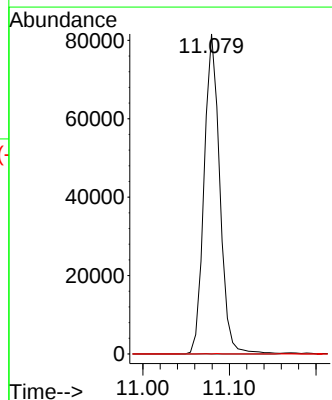
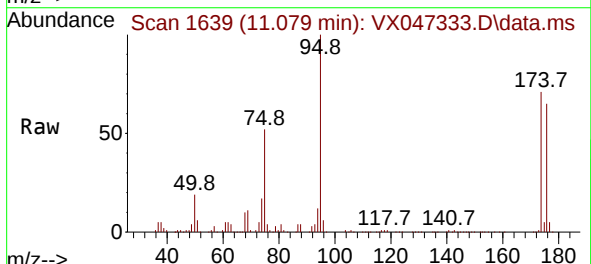
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-S

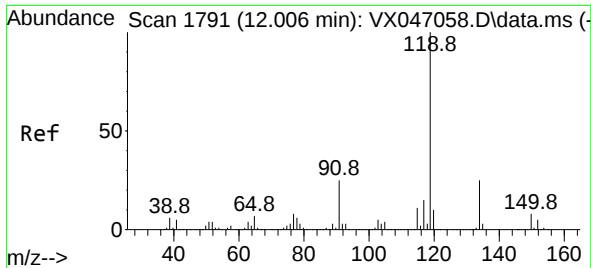
Tgt Ion: 75 Resp: 102643
Ion Ratio Lower Upper
75 100
77 1.0 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.199 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047333.D
Acq: 13 Aug 2025 19:07

Tgt Ion: 75 Resp: 102643
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#





#86
 p-Isopropyltoluene
 Concen: 0.396 ug/l
 RT: 12.177 min Scan# 1819
 Delta R.T. 0.171 min
 Lab File: VX047333.D
 Acq: 13 Aug 2025 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-88H-S

Tgt Ion:	119	Resp:	5391
Ion	Ratio	Lower	Upper
119	100		
134	28.5	12.8	38.4
91	26.2	12.4	37.4

