

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047669.D
 Acq On : 19 Sep 2025 12:50
 Operator : JC/MD
 Sample : Q3135-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-121

Quant Time: Sep 20 00:30:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

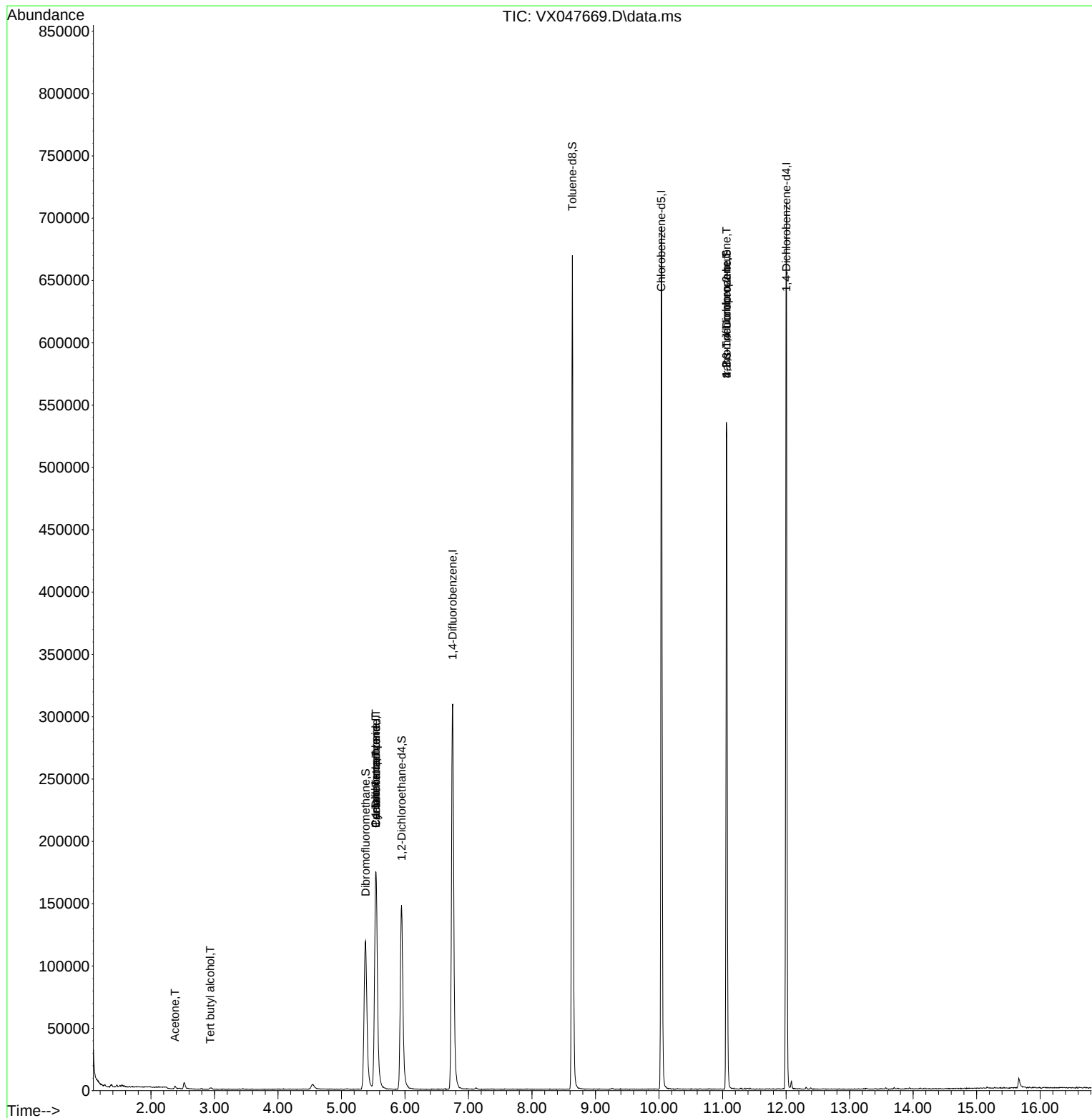
Internal Standards						
1) Pentafluorobenzene	5.544	168	179125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	335824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	306398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	159501	55.941	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.880%	
35) Dibromofluoromethane	5.379	113	117460	52.153	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.300%	
50) Toluene-d8	8.635	98	405117	51.984	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.960%	
62) 4-Bromofluorobenzene	11.061	95	155822	52.685	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	112	0.353	ug/l #	72
16) Acetone	2.380	43	2635	2.125	ug/l #	86
31) Cyclohexane	5.544	56	4147	1.101	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	15482	4.704	ug/l #	50
38) Carbon Tetrachloride	5.544	117	19290	5.395	ug/l #	18
76) 1,2,3-Trichloropropane	11.061	75	81174	26.880	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	81174	68.547	ug/l #	8

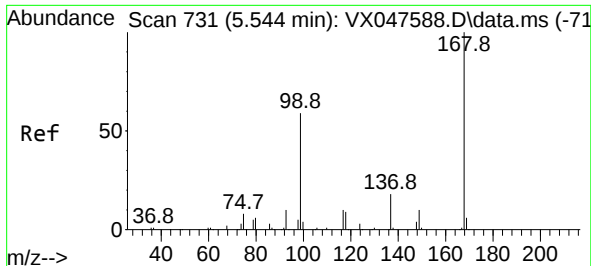
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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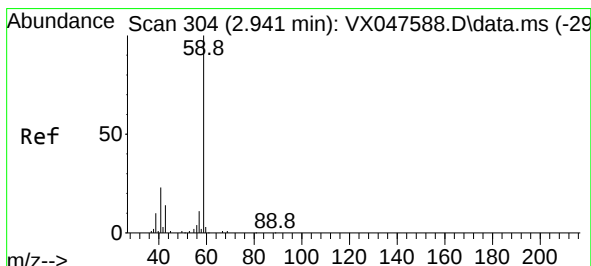
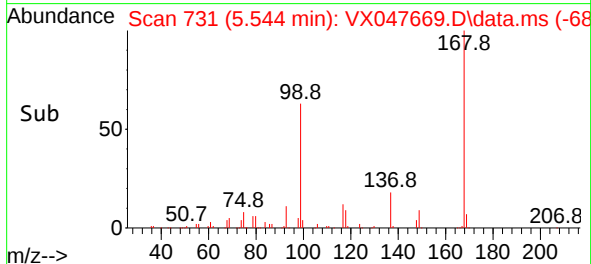
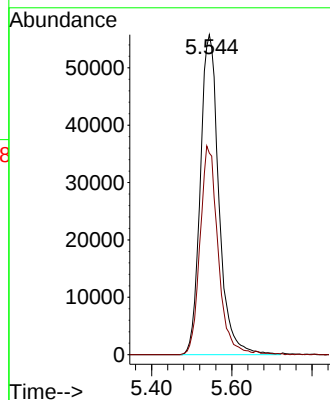
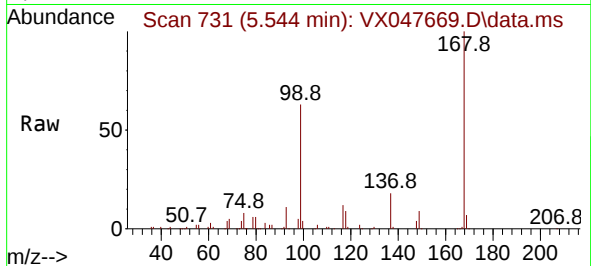




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

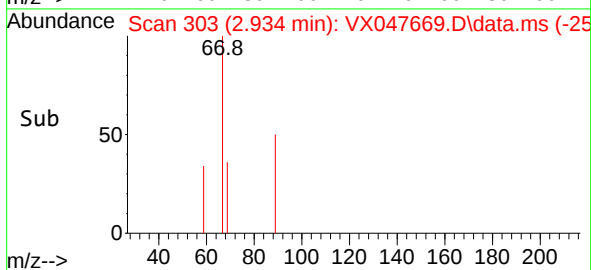
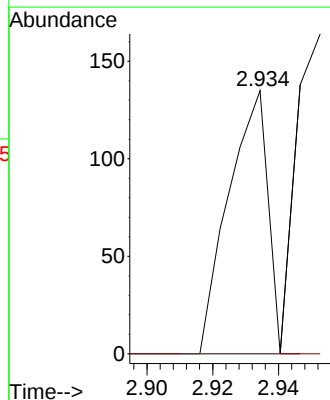
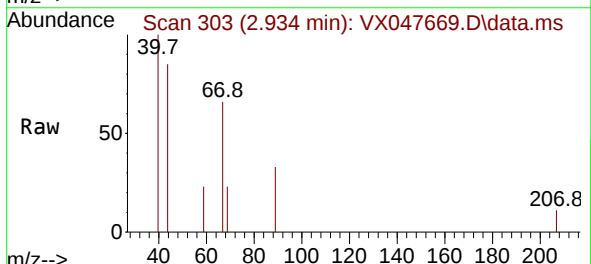
Instrument :
MSVOA_X
ClientSampleId :
MH-121

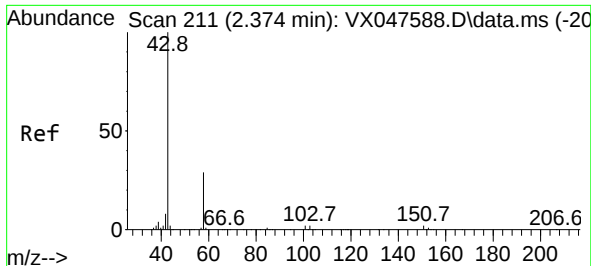
Tgt Ion:168 Resp: 179125
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.353 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

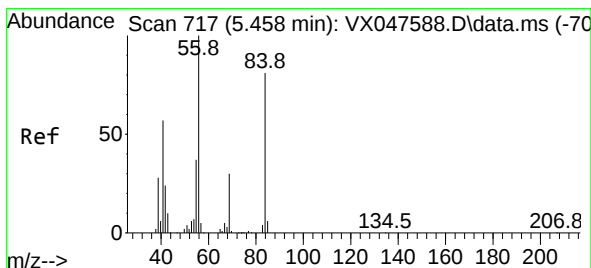
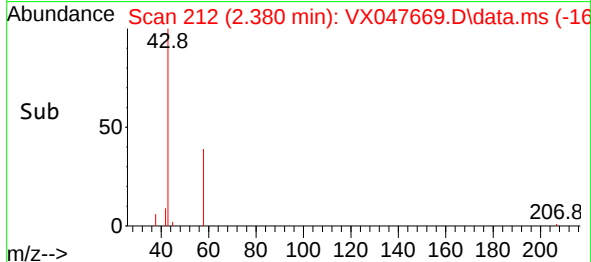
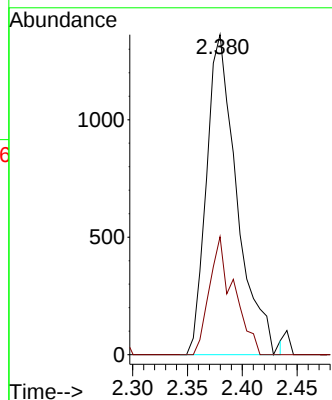
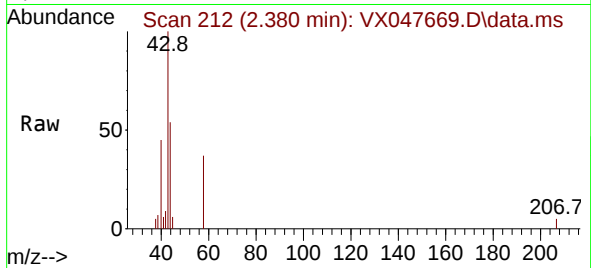




#16
Acetone
Concen: 2.125 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

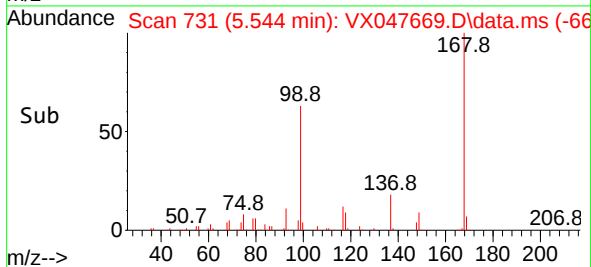
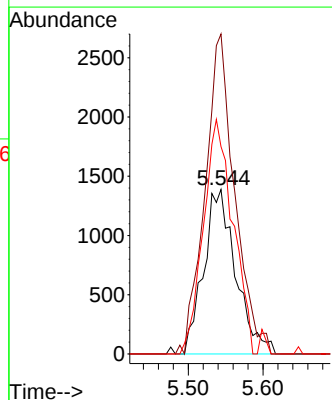
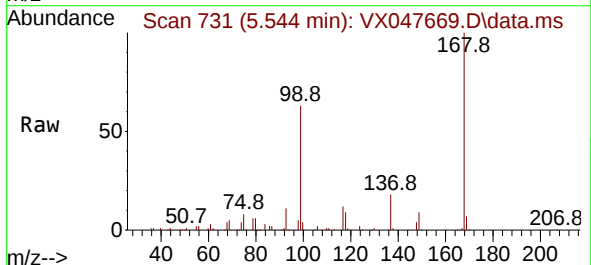
Instrument :
MSVOA_X
ClientSampleId :
MH-121

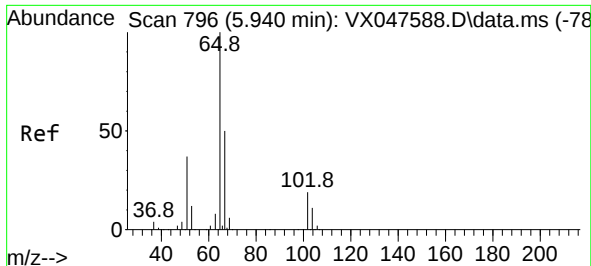
Tgt Ion: 43 Resp: 2635
Ion Ratio Lower Upper
43 100
58 36.9 23.4 35.0#



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

Tgt Ion: 56 Resp: 4147
Ion Ratio Lower Upper
56 100
69 194.5 23.8 35.8#
84 126.0 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 55.941 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047669.D

Acq: 19 Sep 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

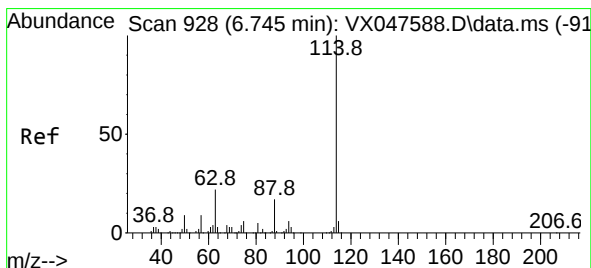
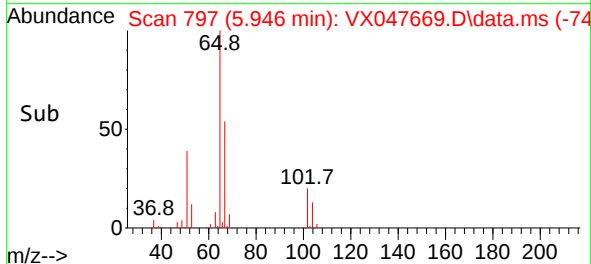
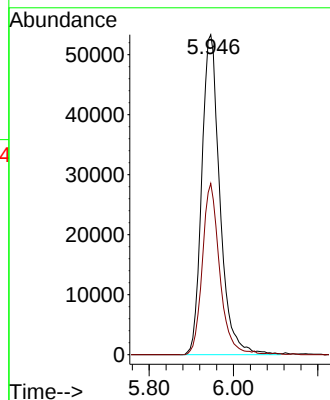
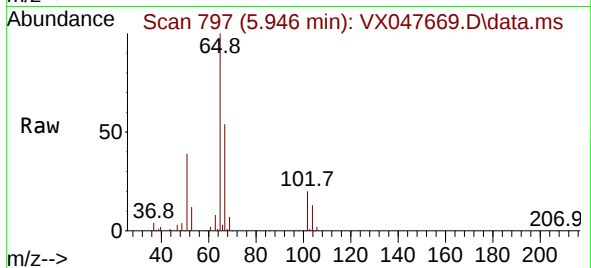
MH-121

Tgt Ion: 65 Resp: 159501

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047669.D

Acq: 19 Sep 2025 12:50

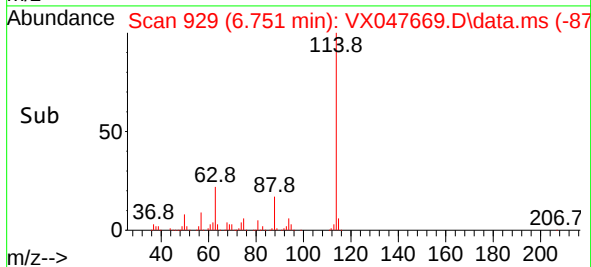
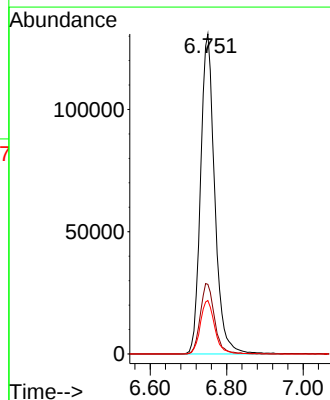
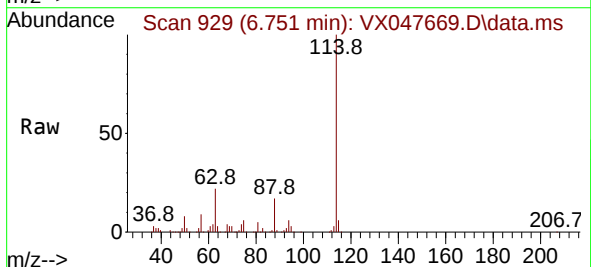
Tgt Ion: 114 Resp: 335824

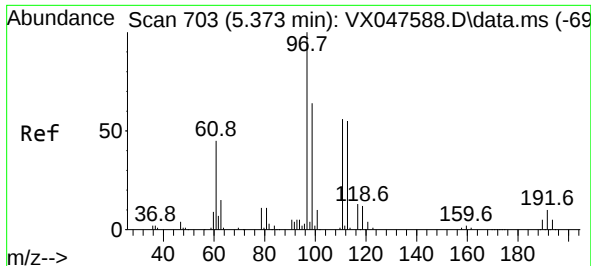
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.0

88 16.7 0.0 34.2

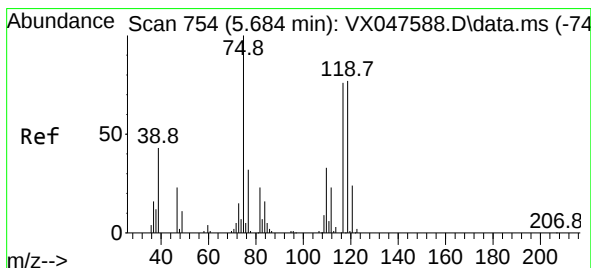
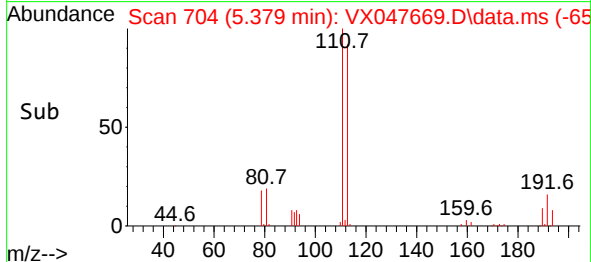
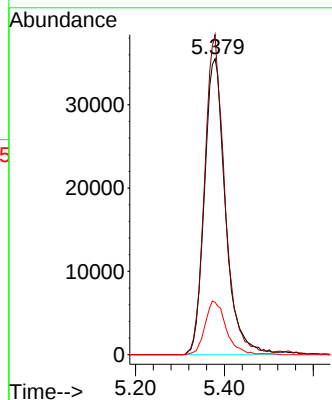
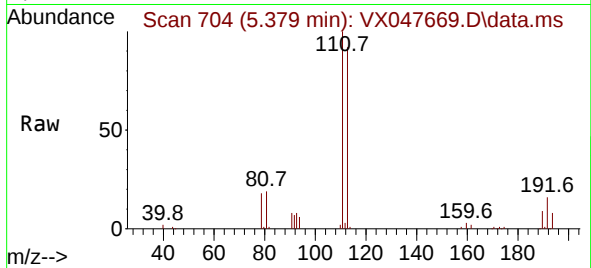




#35
Dibromofluoromethane
Concen: 52.153 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

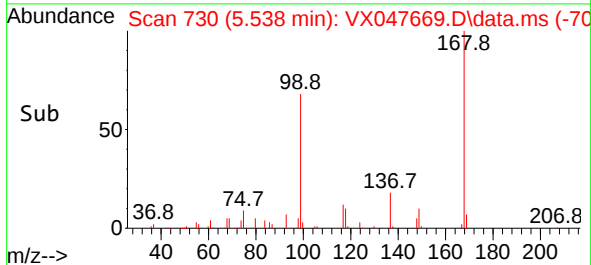
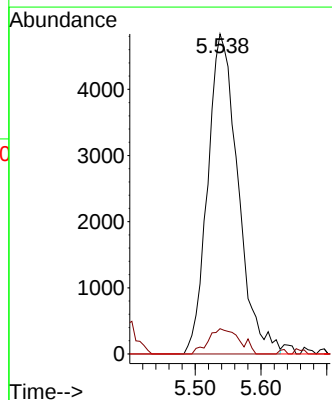
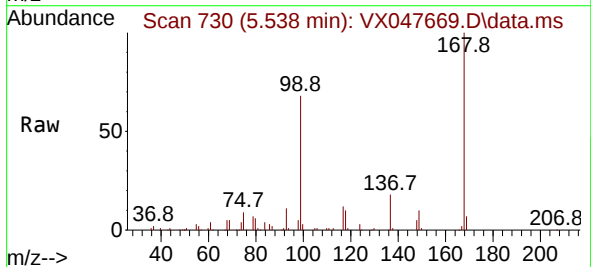
Instrument :
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ClientSampleId :
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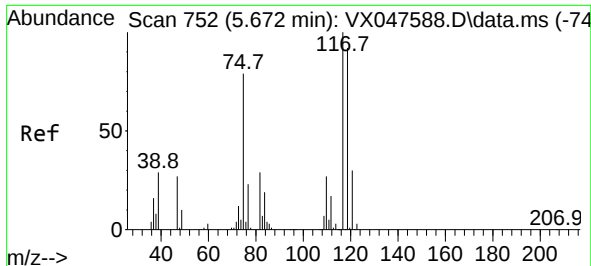
Tgt Ion:113 Resp: 117460
Ion Ratio Lower Upper
113 100
111 103.5 80.9 121.3
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

Tgt Ion: 75 Resp: 15482
Ion Ratio Lower Upper
75 100
110 8.1 16.7 50.1#
77 0.0 24.3 36.5#

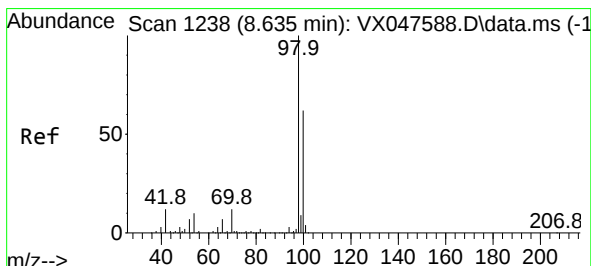
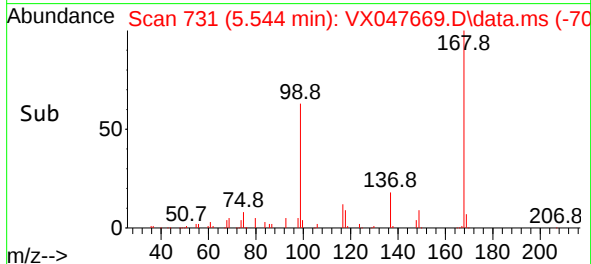
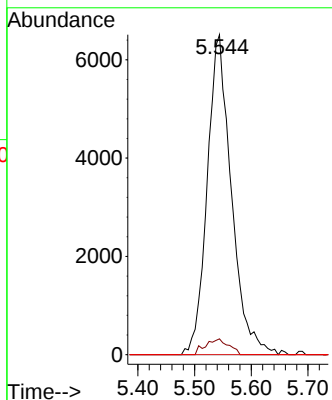
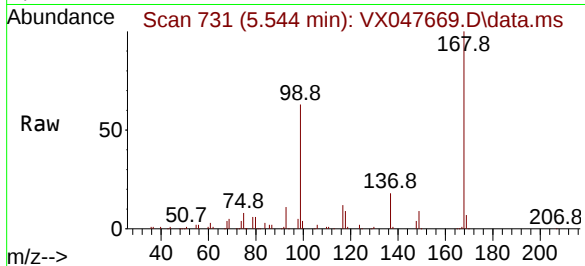




#38
Carbon Tetrachloride
Concen: 5.395 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

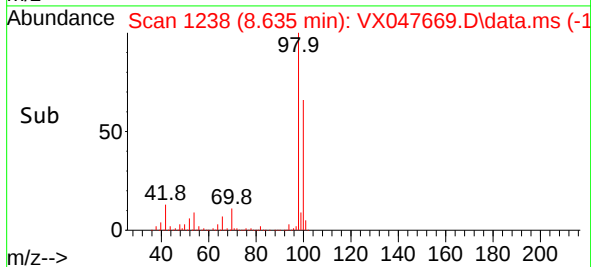
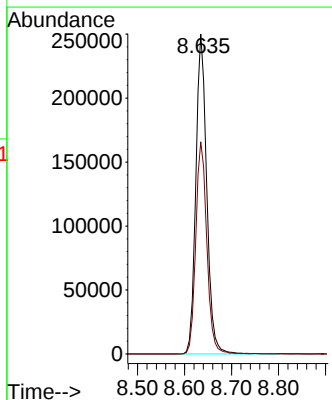
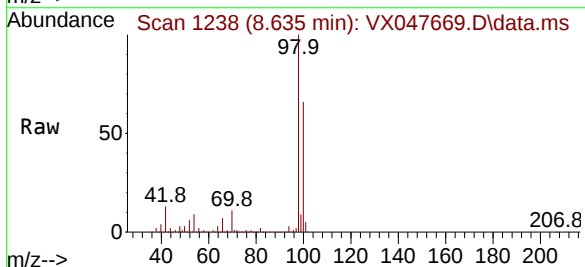
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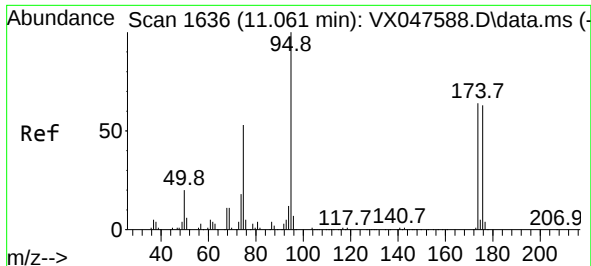
Tgt Ion:117 Resp: 19290
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 51.984 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

Tgt Ion: 98 Resp: 405117
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.4

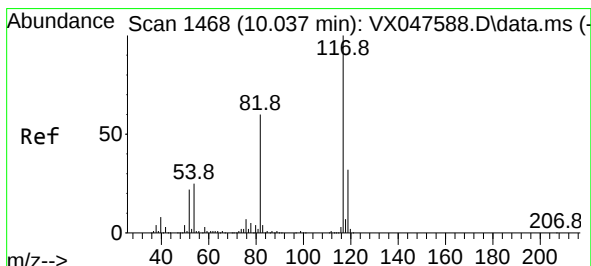
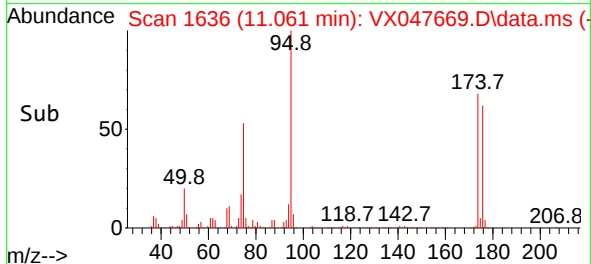
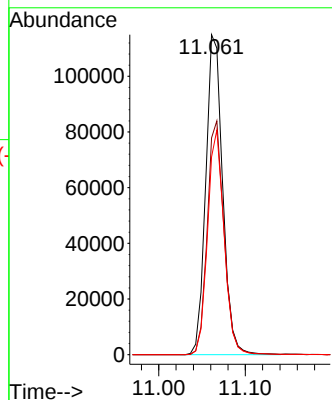
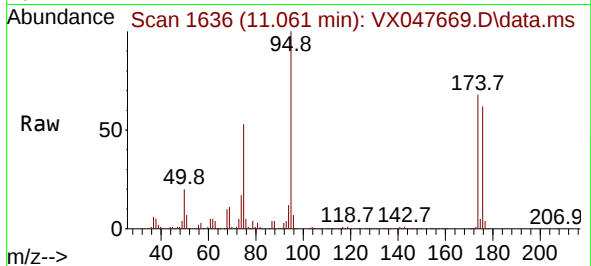




#62
4-Bromofluorobenzene
Concen: 52.685 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

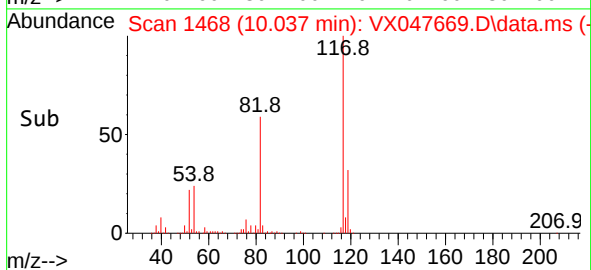
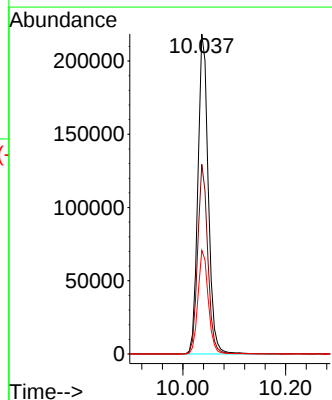
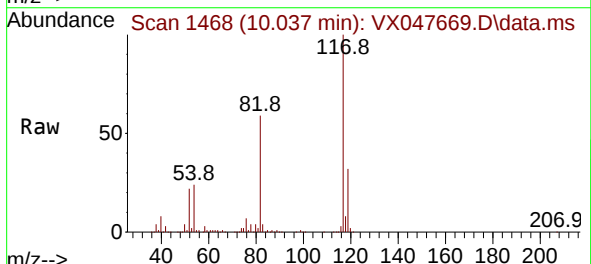
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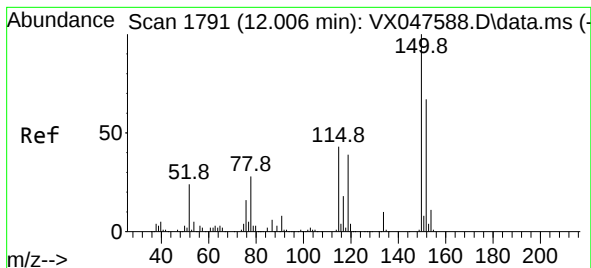
Tgt Ion: 95 Resp: 155822
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.6
176 68.7 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

Tgt Ion: 117 Resp: 306398
Ion Ratio Lower Upper
117 100
82 59.2 47.8 71.6
119 32.3 25.2 37.8

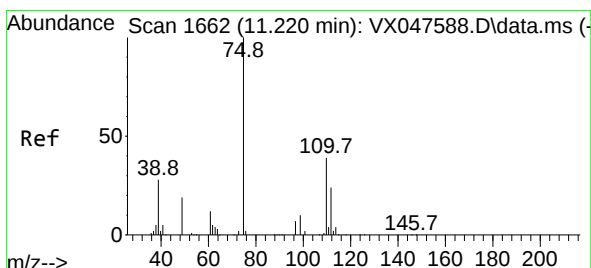
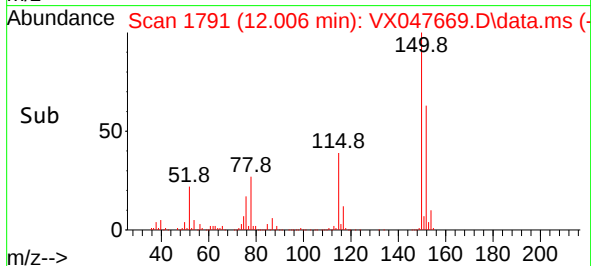
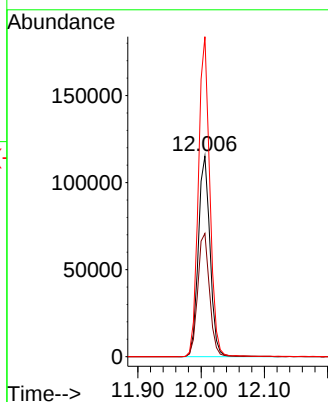
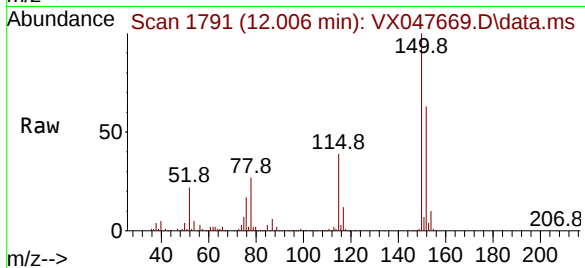




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047669.D
 Acq: 19 Sep 2025 12:50

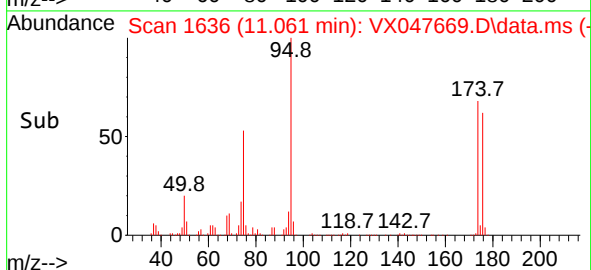
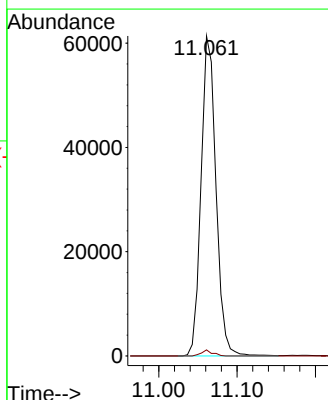
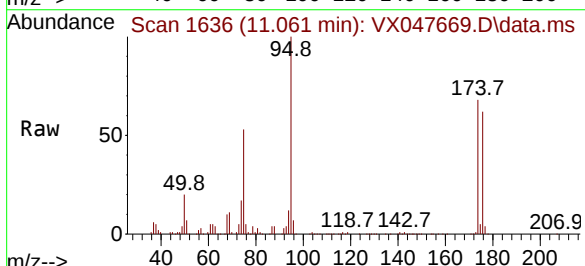
Instrument :
 MSVOA_X
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 MH-121

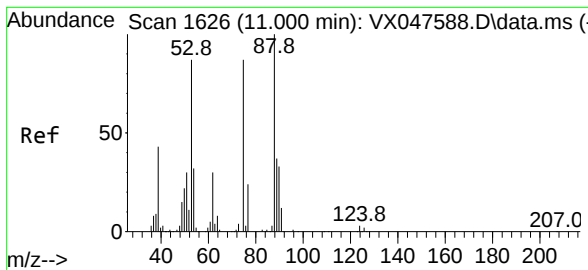
Tgt Ion:152 Resp: 149153
 Ion Ratio Lower Upper
 152 100
 115 61.8 44.9 134.5
 150 155.3 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 26.880 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047669.D
 Acq: 19 Sep 2025 12:50

Tgt Ion: 75 Resp: 81174
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.547 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047669.D
Acq: 19 Sep 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
MH-121

Tgt Ion: 75 Resp: 81174
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

