

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047947.D
 Acq On : 01 Oct 2025 17:35
 Operator : JC/MD
 Sample : Q3194-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT188S1-20250922

Quant Time: Oct 03 01:27:05 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)

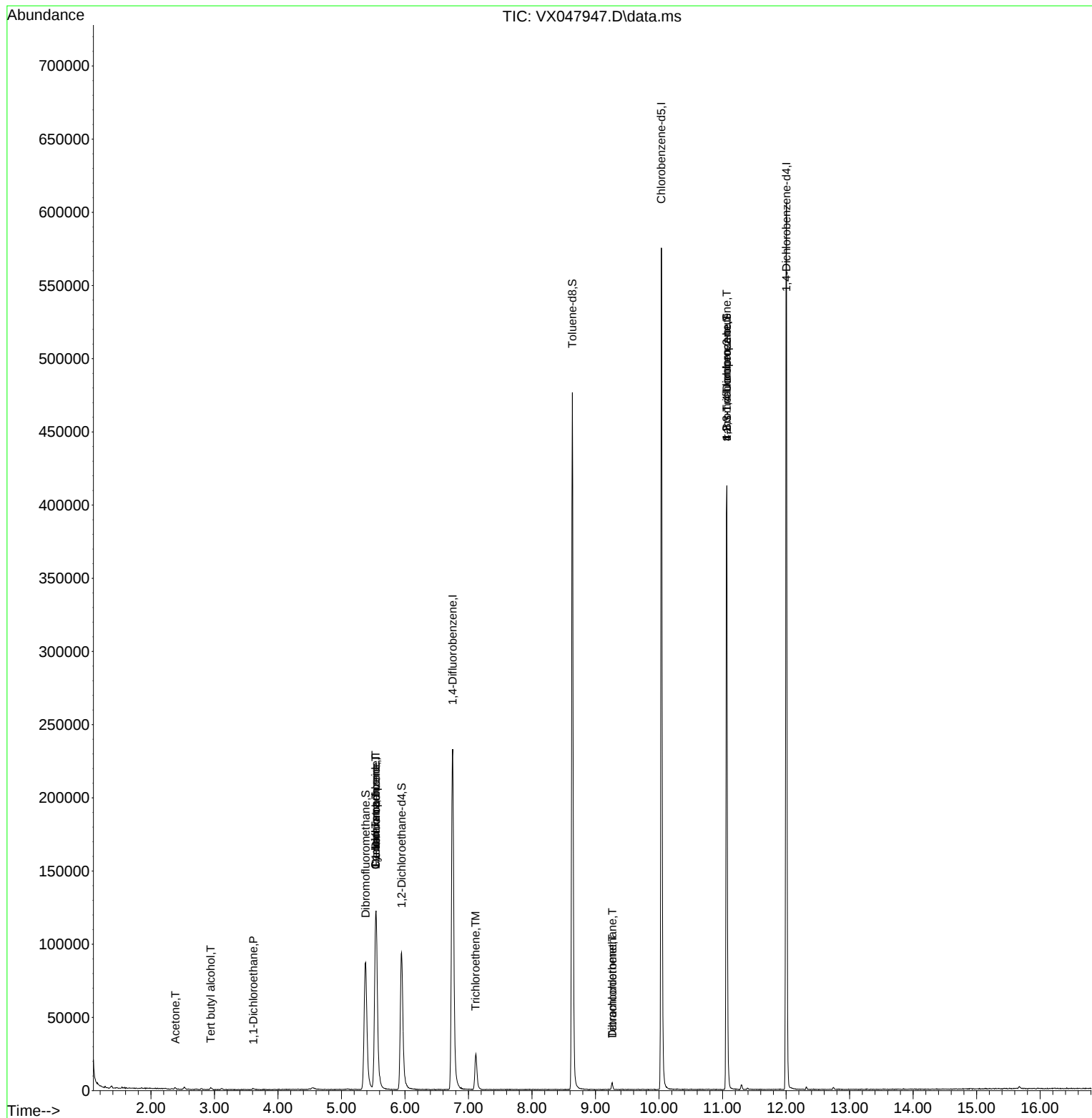
Internal Standards						
1) Pentafluorobenzene	5.544	168	123198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	253162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	260063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103869	52.967	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.940%			
35) Dibromofluoromethane	5.379	113	85821	50.547	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.100%			
50) Toluene-d8	8.635	98	291465	49.612	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.067	95	120298	53.954	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.900%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	353	1.616	ug/l #	72
16) Acetone	2.386	43	1438	1.687	ug/l #	59
24) 1,1-Dichloroethane	3.611	63	1104	0.355	ug/l #	81
31) Cyclohexane	5.538	56	2890	1.115	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10508	4.235	ug/l #	50
38) Carbon Tetrachloride	5.538	117	13510	5.012	ug/l #	21
44) Trichloroethene	7.110	130	10431	5.726	ug/l	95
60) Dibromochloromethane	9.263	129	548	0.266	ug/l #	11
64) Tetrachloroethene	9.263	164	571	0.337	ug/l	91
76) 1,2,3-Trichloropropane	11.067	75	62967	24.902	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	62967	63.503	ug/l #	8

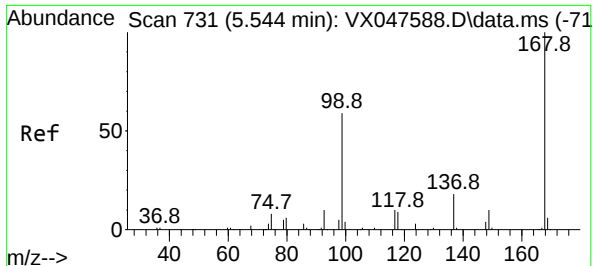
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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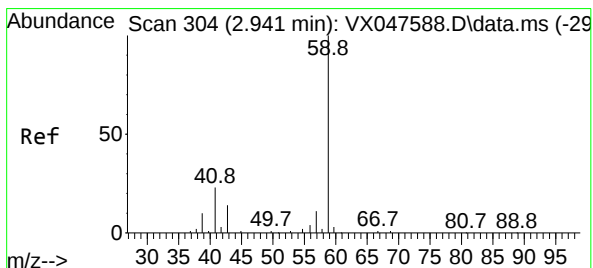
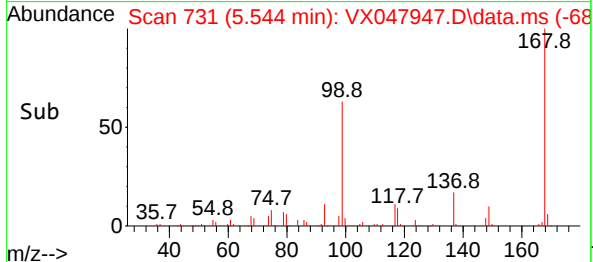
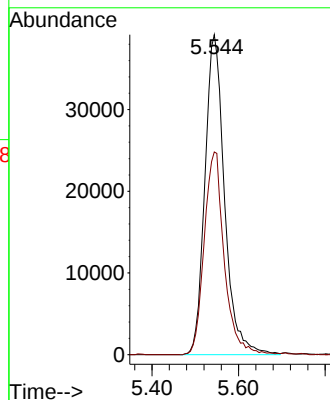
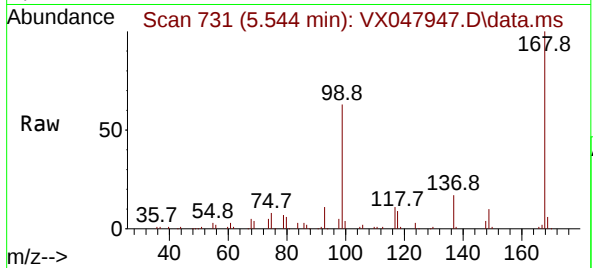




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

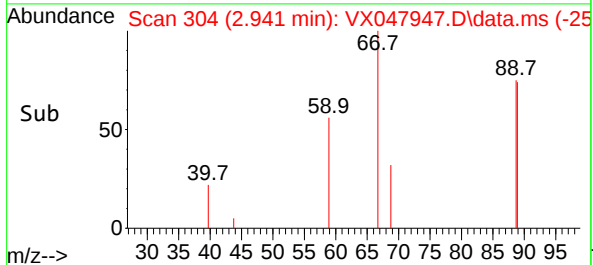
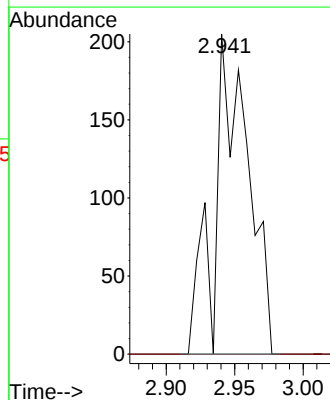
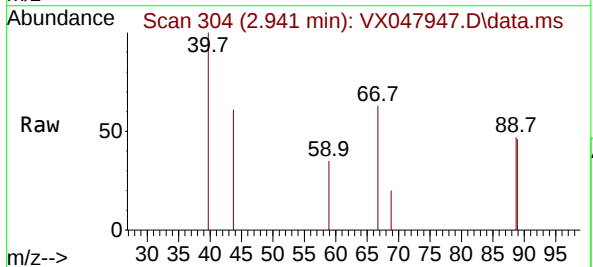
Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250922

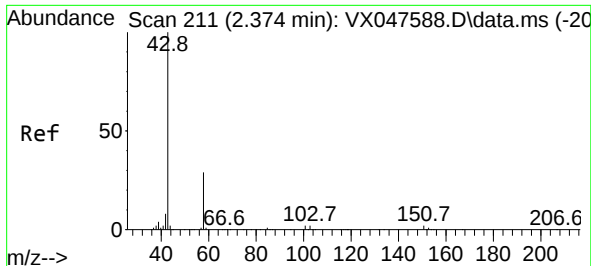
Tgt Ion:168 Resp: 123198
Ion Ratio Lower Upper
168 100
99 63.3 48.8 73.2



#11
Tert butyl alcohol
Concen: 1.616 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

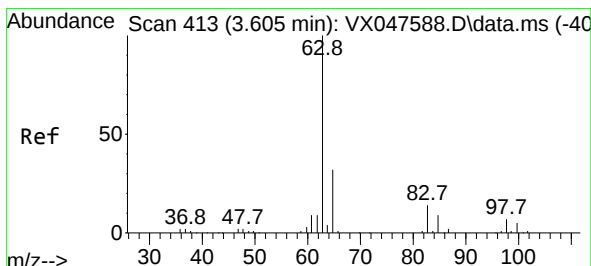
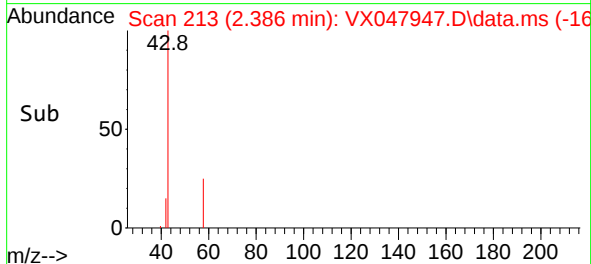
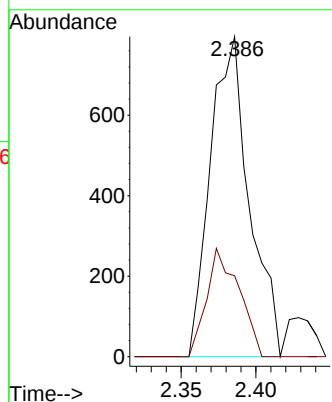
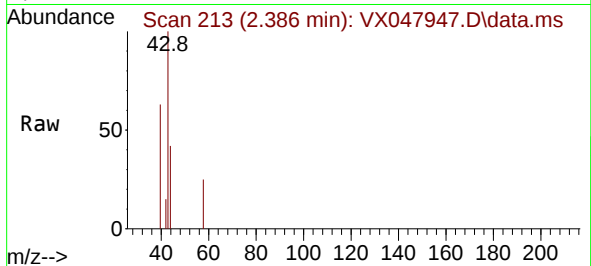




#16
Acetone
Concen: 1.687 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

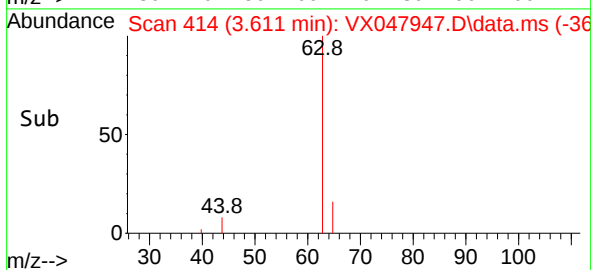
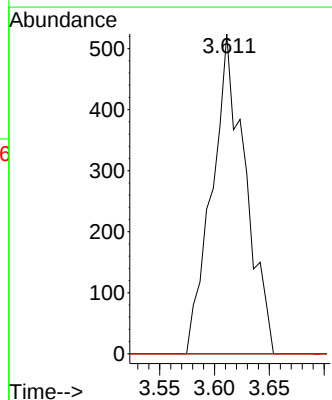
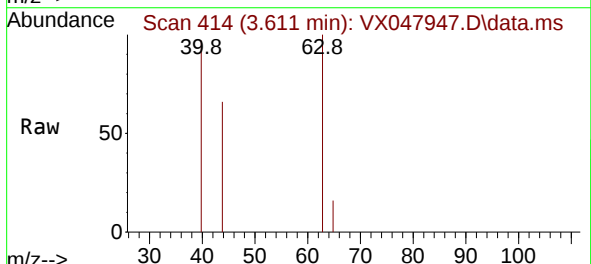
Instrument :
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ClientSampleId :
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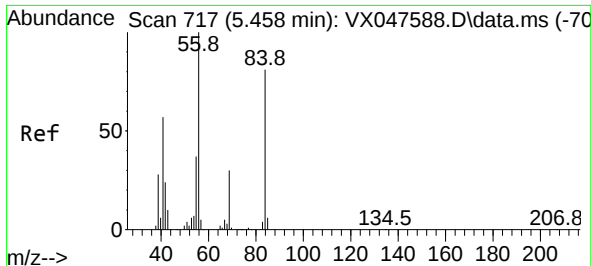
Tgt Ion: 43 Resp: 1438
Ion Ratio Lower Upper
43 100
58 51.1 23.4 35.0#



#24
1,1-Dichloroethane
Concen: 0.355 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

Tgt Ion: 63 Resp: 1104
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.3 6.9#

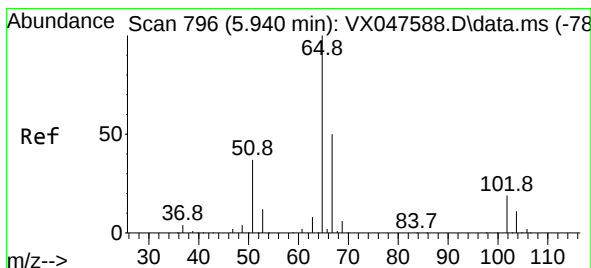
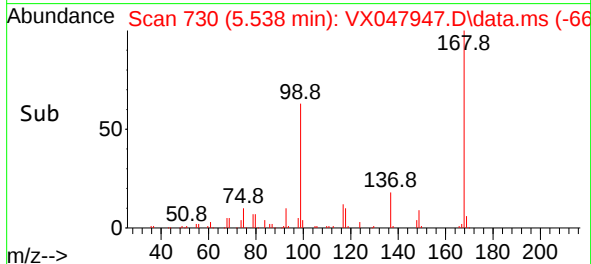
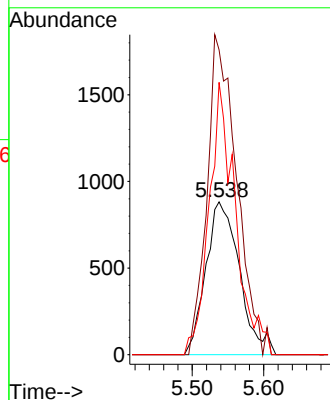
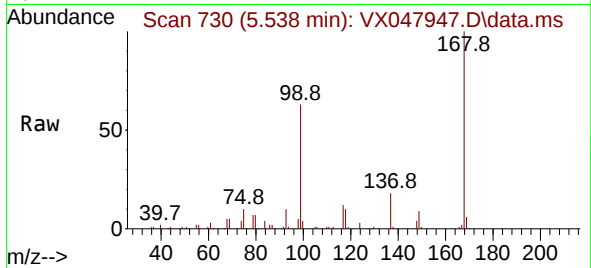




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

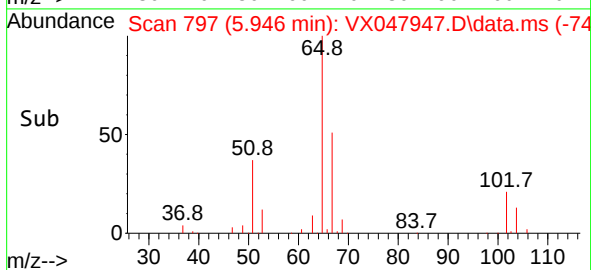
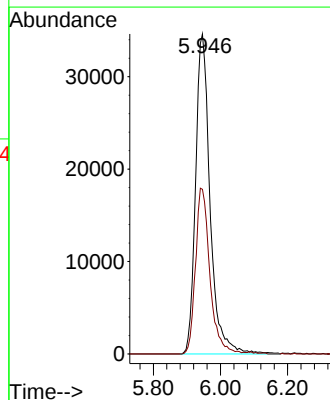
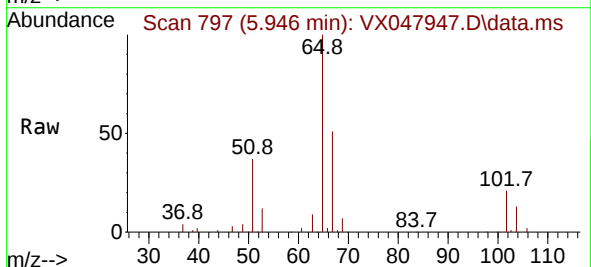
Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250922

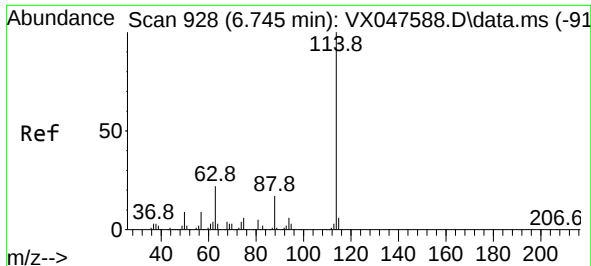
Tgt Ion: 56 Resp: 2890
Ion Ratio Lower Upper
56 100
69 199.4 23.8 35.8#
84 178.2 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 52.967 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

Tgt Ion: 65 Resp: 103869
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

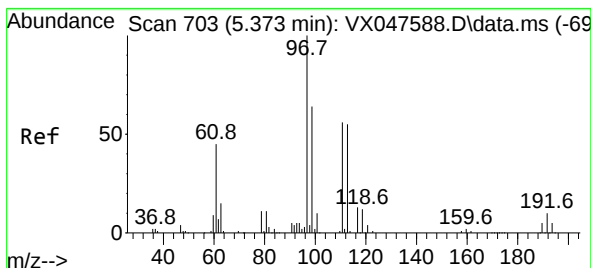
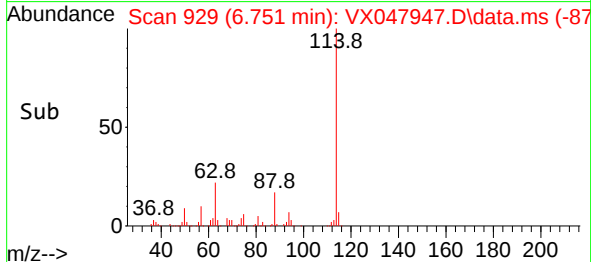
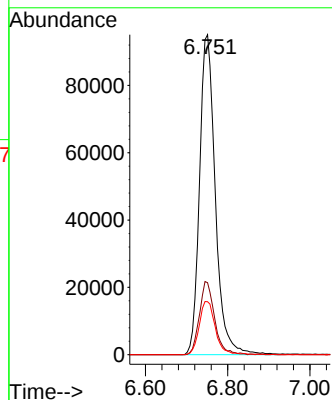
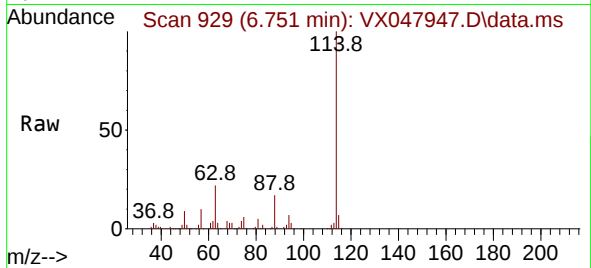




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

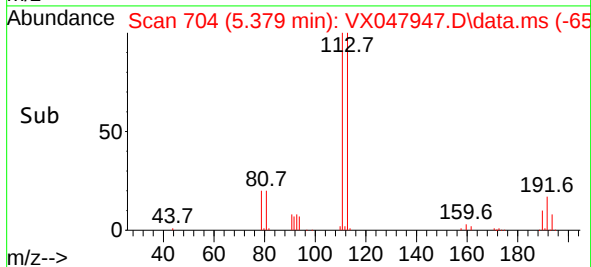
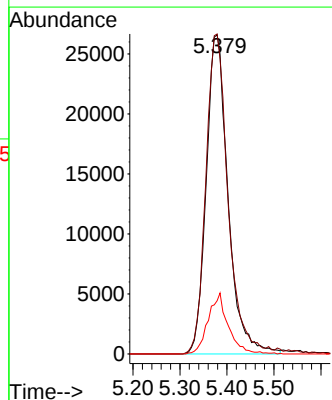
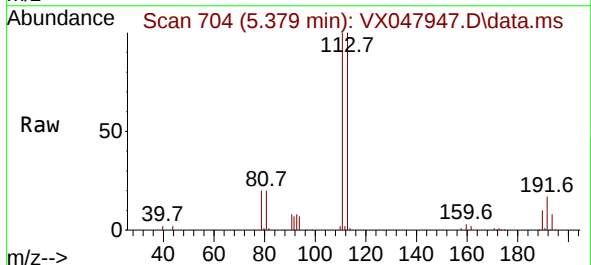
Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20250922

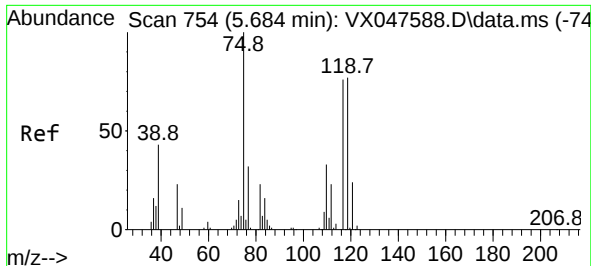
Tgt Ion:114 Resp: 253162
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.0
88 16.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.547 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

Tgt Ion:113 Resp: 85821
Ion Ratio Lower Upper
113 100
111 101.8 80.9 121.3
192 17.6 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.235 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047947.D

Acq: 01 Oct 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

TT188S1-20250922

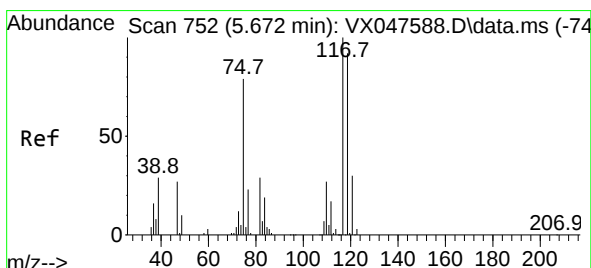
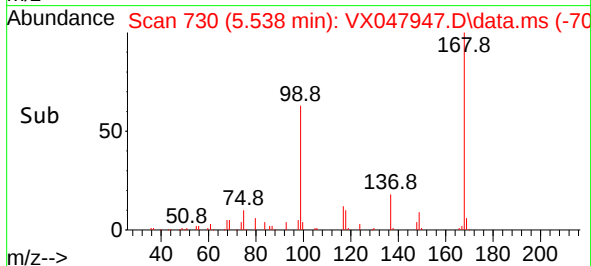
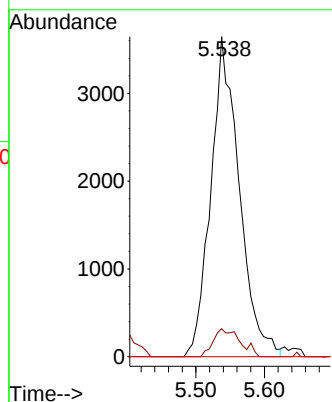
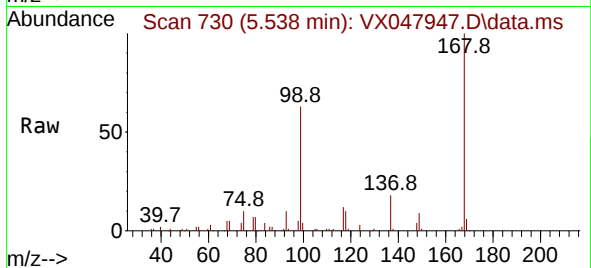
Tgt Ion: 75 Resp: 10508

Ion Ratio Lower Upper

75 100

110 8.2 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.012 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX047947.D

Acq: 01 Oct 2025 17:35

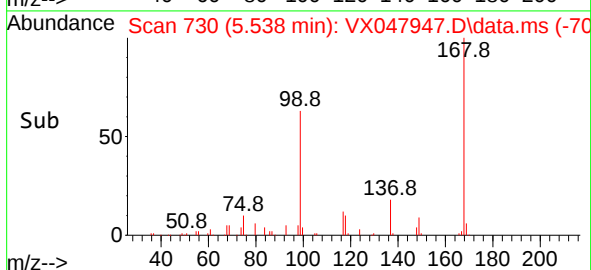
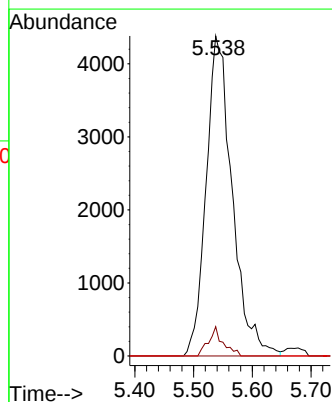
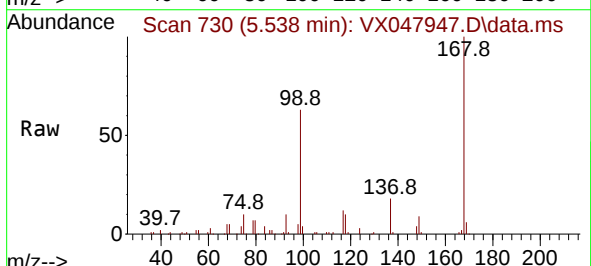
Tgt Ion: 117 Resp: 13510

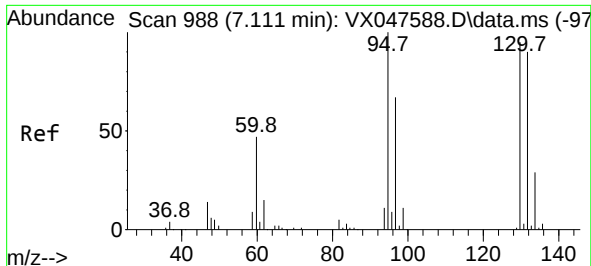
Ion Ratio Lower Upper

117 100

119 9.2 73.4 110.2#

121 0.0 23.8 35.6#

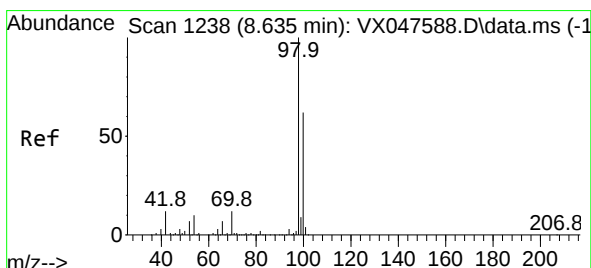
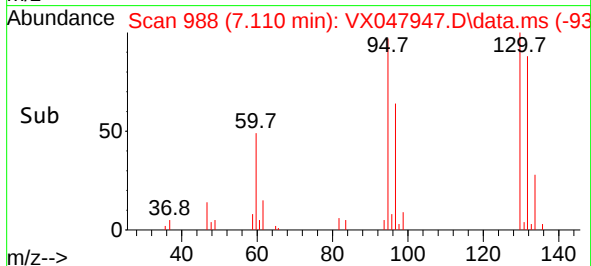
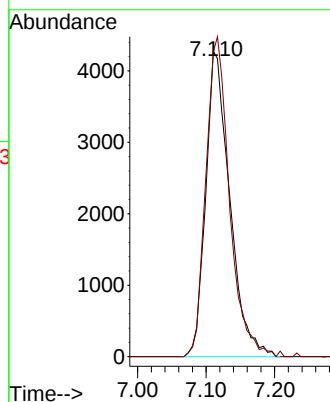
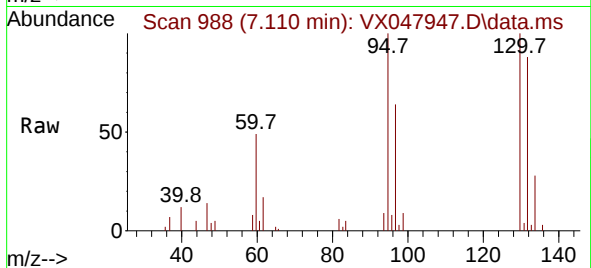




#44
Trichloroethene
Concen: 5.726 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

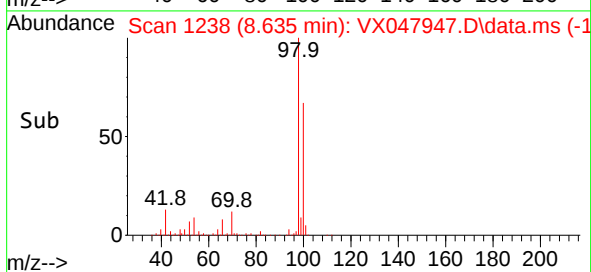
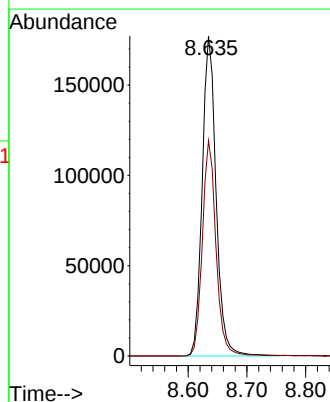
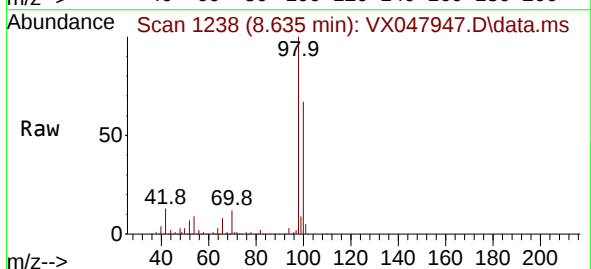
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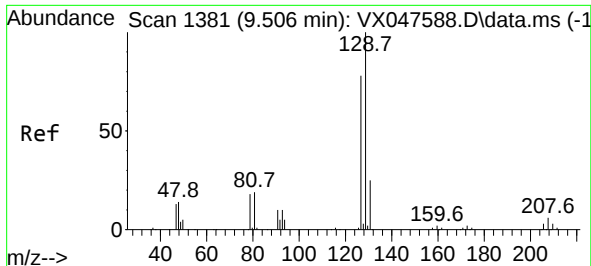
Tgt Ion:130 Resp: 10431
Ion Ratio Lower Upper
130 100
95 99.7 0.0 210.8



#50
Toluene-d8
Concen: 49.612 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

Tgt Ion: 98 Resp: 291465
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4

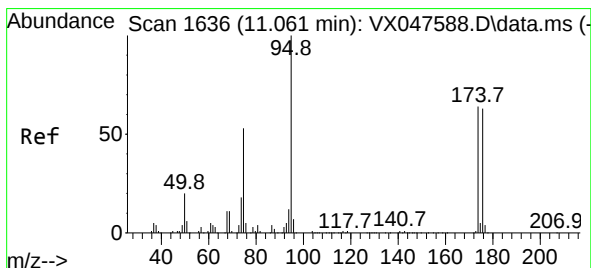
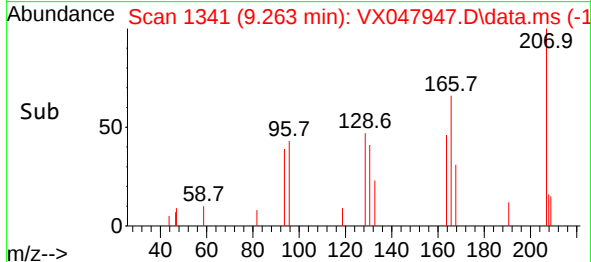
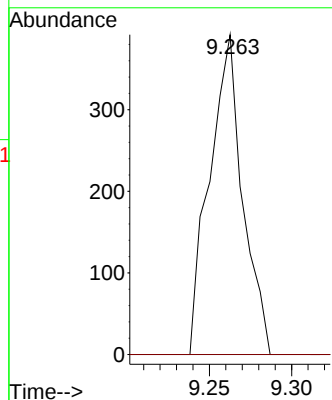
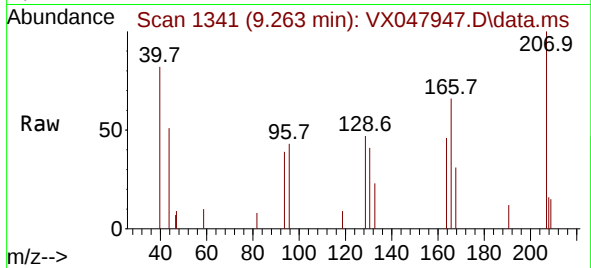




#60
Dibromochloromethane
Concen: 0.266 ug/l
RT: 9.263 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

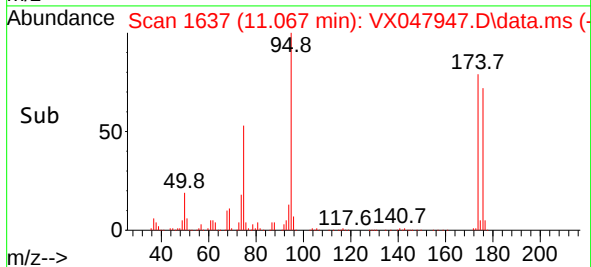
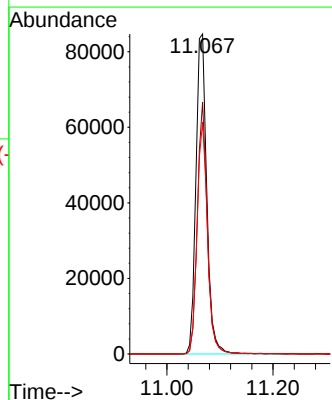
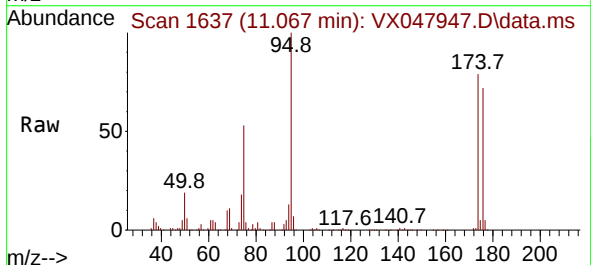
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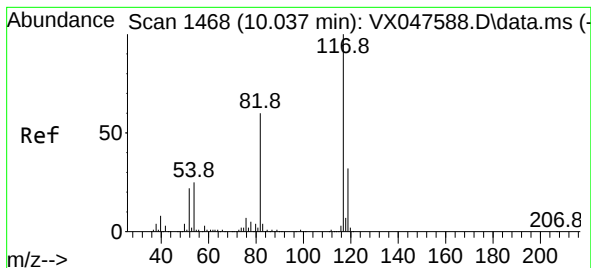
Tgt Ion:129 Resp: 548
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 53.954 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047947.D
Acq: 01 Oct 2025 17:35

Tgt Ion: 95 Resp: 120298
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.6
176 69.4 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: VX047947.D

Acq: 01 Oct 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

TT188S1-20250922

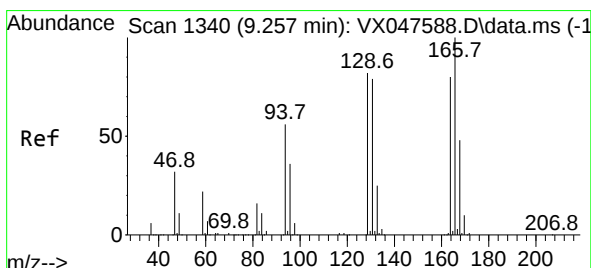
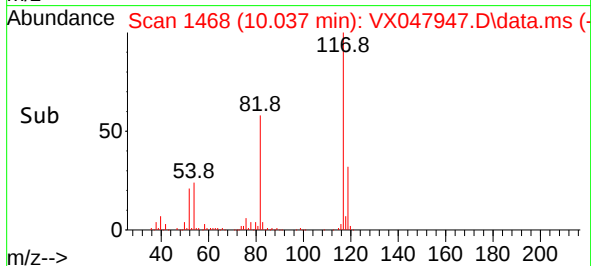
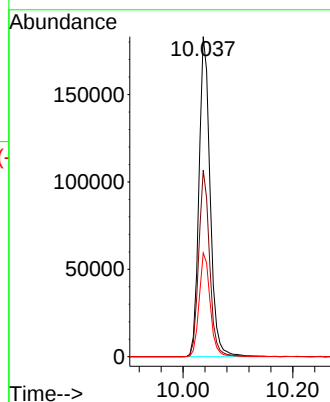
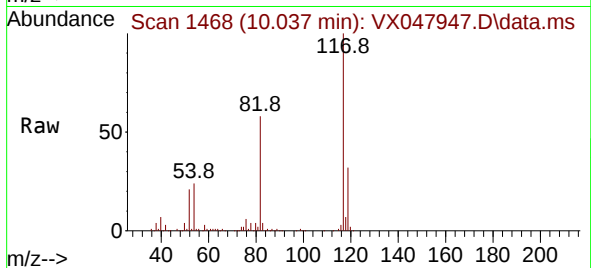
Tgt Ion:117 Resp: 260063

Ion Ratio Lower Upper

117 100

82 58.2 47.8 71.6

119 32.4 25.2 37.8



#64

Tetrachloroethene

Concen: 0.337 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047947.D

Acq: 01 Oct 2025 17:35

Tgt Ion:164 Resp: 571

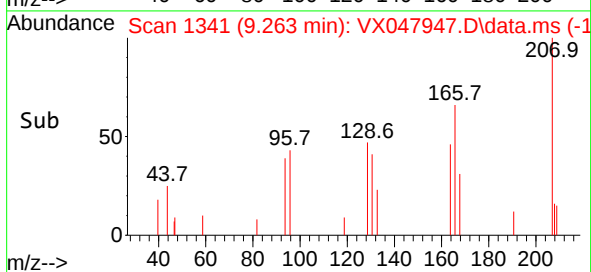
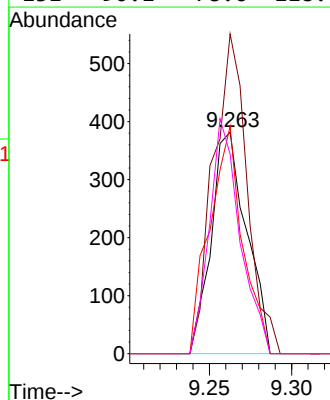
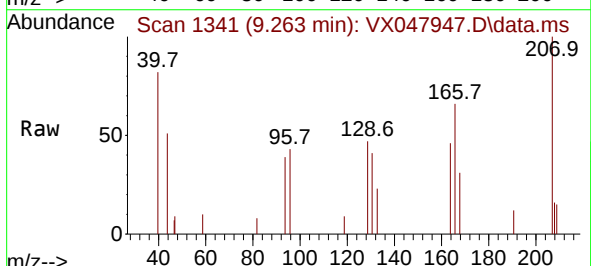
Ion Ratio Lower Upper

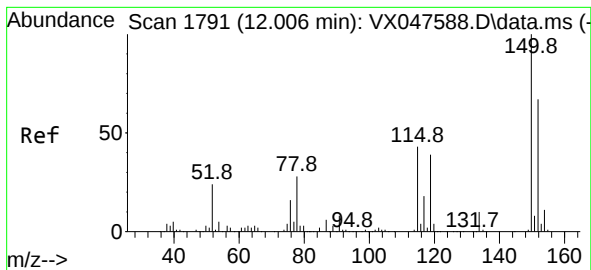
164 100

166 144.2 100.2 150.2

129 102.6 81.8 122.6

131 90.1 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047947.D

Acq: 01 Oct 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

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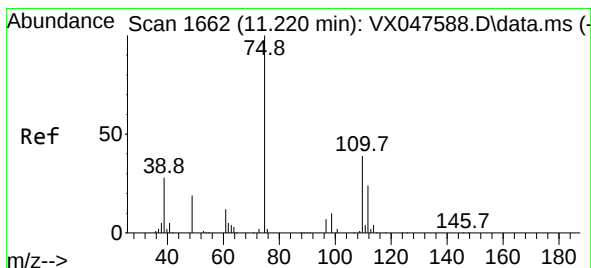
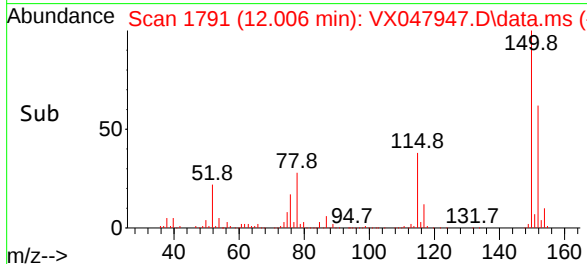
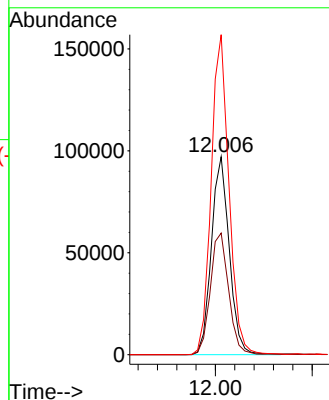
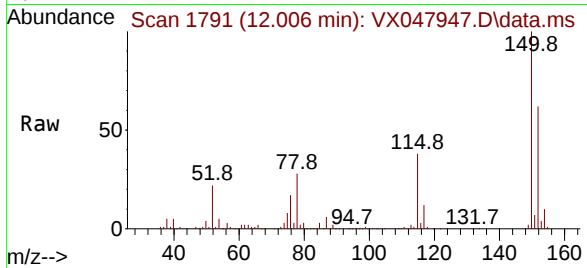
Tgt Ion:152 Resp: 124890

Ion Ratio Lower Upper

152 100

115 63.2 44.9 134.5

150 160.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 24.902 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. -0.152 min

Lab File: VX047947.D

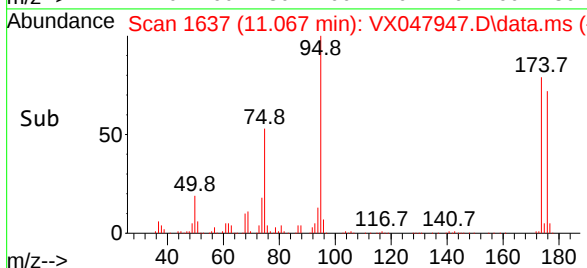
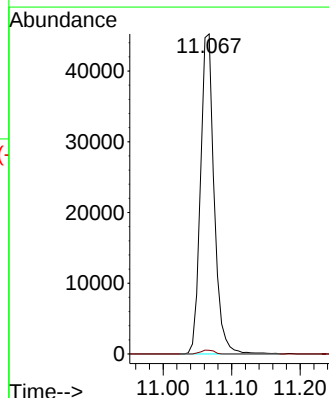
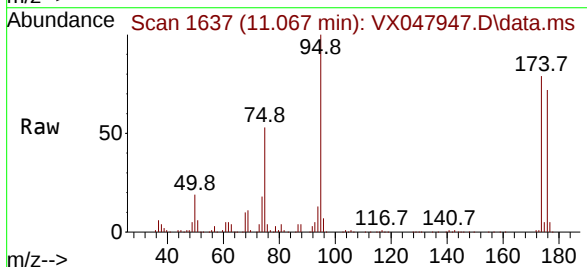
Acq: 01 Oct 2025 17:35

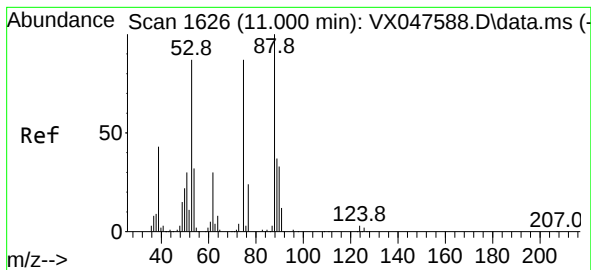
Tgt Ion: 75 Resp: 62967

Ion Ratio Lower Upper

75 100

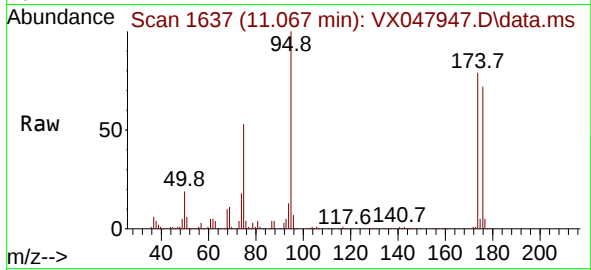
77 1.2 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.503 ug/l
 RT: 11.067 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX047947.D
 Acq: 01 Oct 2025 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 TT188S1-20250922



Tgt Ion: 75 Resp: 62967
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.4 125.2#
 89 0.0 36.3 54.5#

