

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047670.D
 Acq On : 19 Sep 2025 13:11
 Operator : JC/MD
 Sample : Q3095-26RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20250910

Quant Time: Sep 20 00:30:55 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)

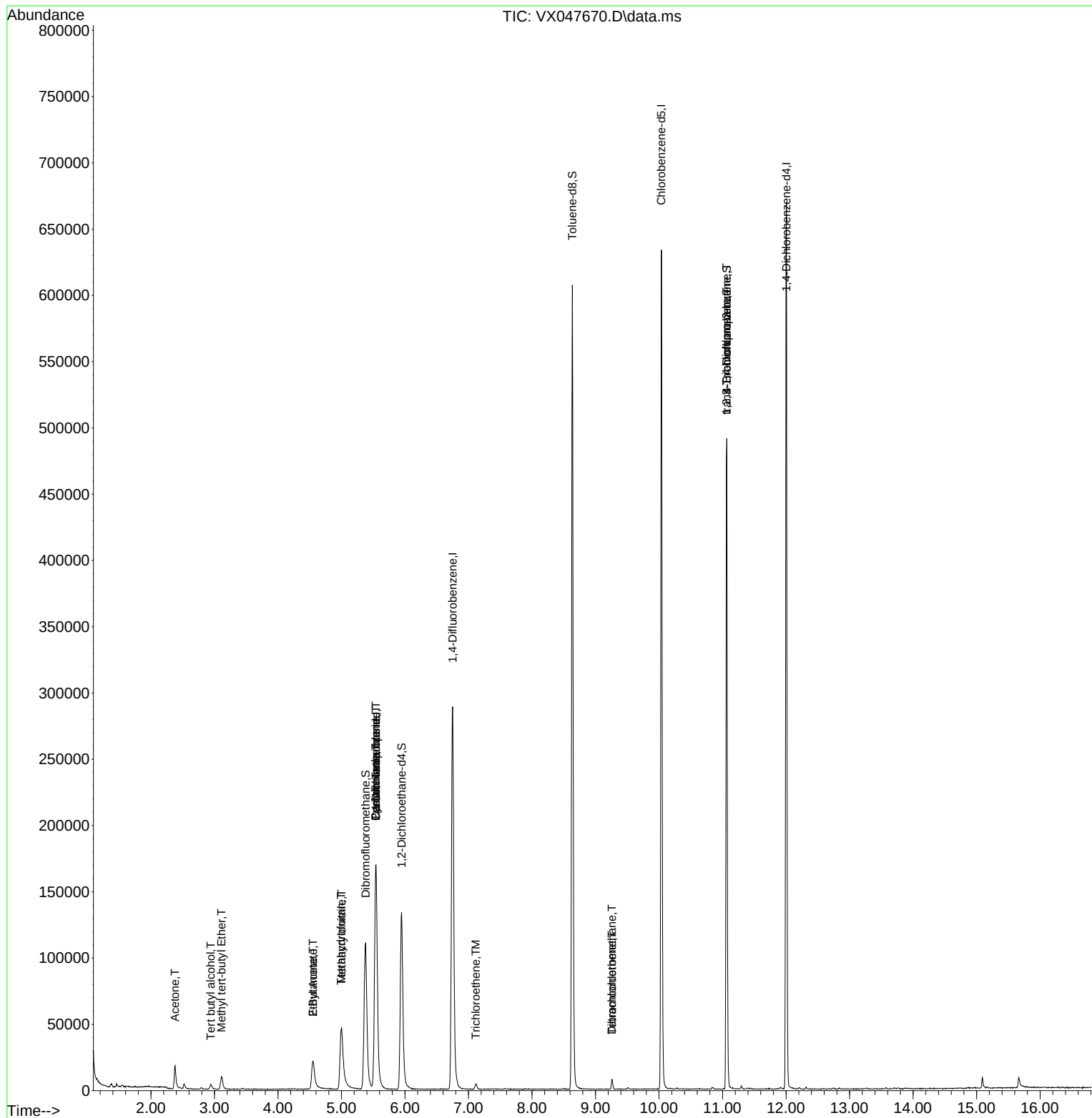
Internal Standards						
1) Pentafluorobenzene	5.537	168	173509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	318100	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	143242	51.865	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.720%	
35) Dibromofluoromethane	5.379	113	107565	50.421	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.840%	
50) Toluene-d8	8.634	98	365698	49.540	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.080%	
62) 4-Bromofluorobenzene	11.067	95	139811	49.905	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	3798	12.347	ug/l #	91
16) Acetone	2.380	43	22900	19.070	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	11612	1.543	ug/l	98
25) 2-Butanone	4.550	43	38983	26.025	ug/l	96
29) Tetrahydrofuran	4.995	42	54797	60.811	ug/l	97
31) Cyclohexane	5.537	56	3916	1.073	ug/l #	15
36) 1,1-Dichloropropene	5.544	75	14809	4.751	ug/l #	50
37) Ethyl Acetate	4.550	43	38983	11.679	ug/l #	71
38) Carbon Tetrachloride	5.544	117	18508	5.464	ug/l #	18
41) Methacrylonitrile	5.001	41	31461	18.258	ug/l #	44
44) Trichloroethene	7.116	130	1690	0.738	ug/l	94
60) Dibromochloromethane	9.256	129	1272	0.491	ug/l #	11
64) Tetrachloroethene	9.256	164	1236	0.651	ug/l	90
76) 1,2,3-Trichloropropane	11.061	75	73940	26.050	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	73940	66.431	ug/l #	8

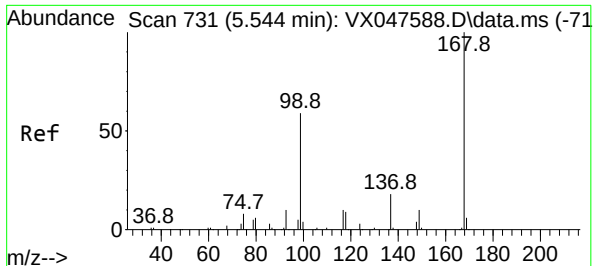
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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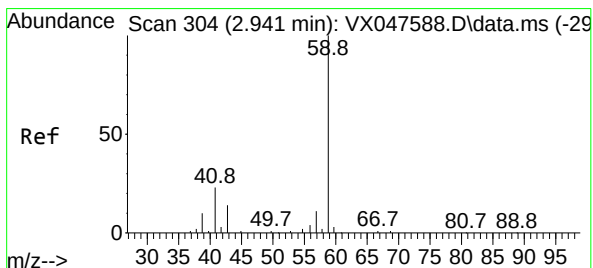
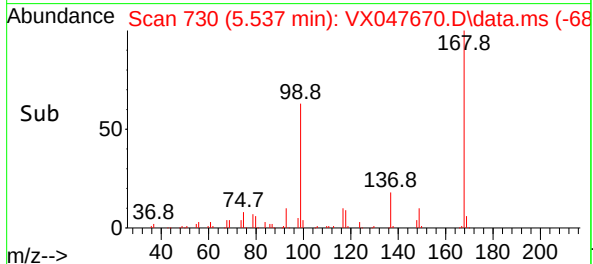
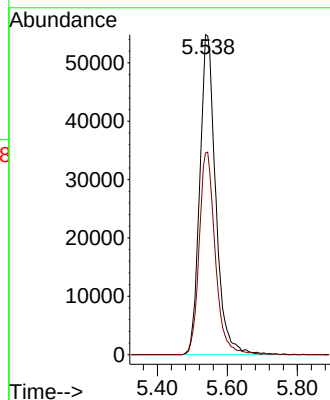
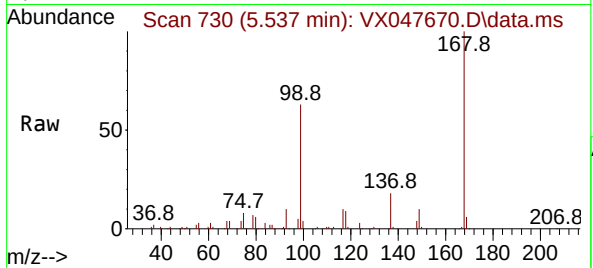




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

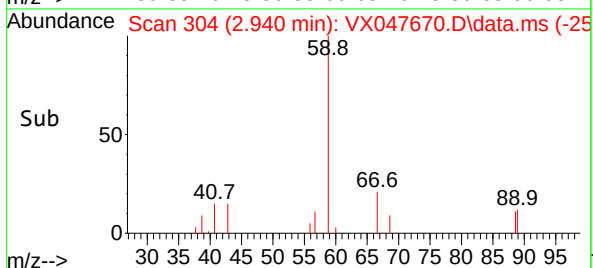
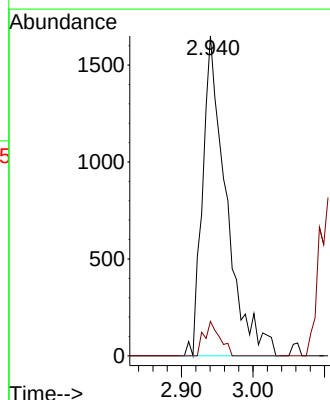
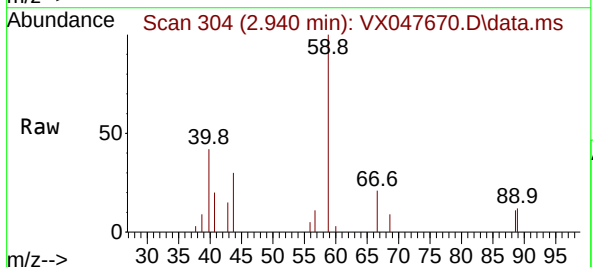
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

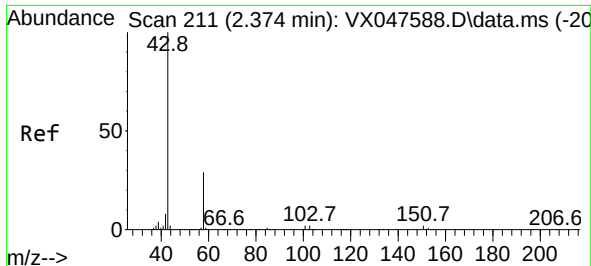
Tgt Ion:168 Resp: 173509
Ion Ratio Lower Upper
168 100
99 63.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 12.347 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 59 Resp: 3798
Ion Ratio Lower Upper
59 100
57 7.2 8.3 12.5#

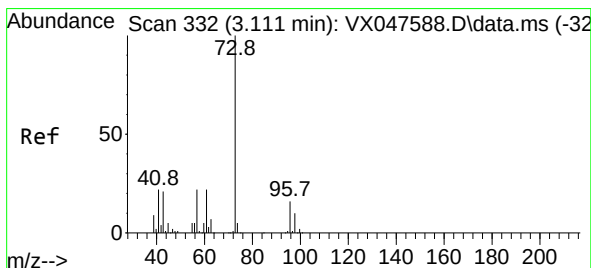
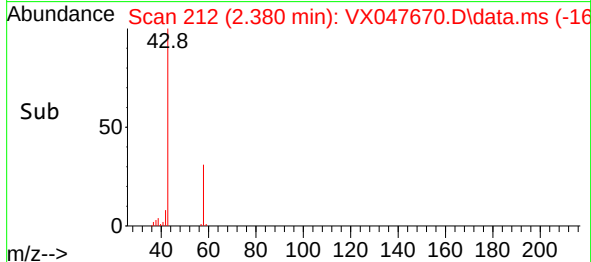
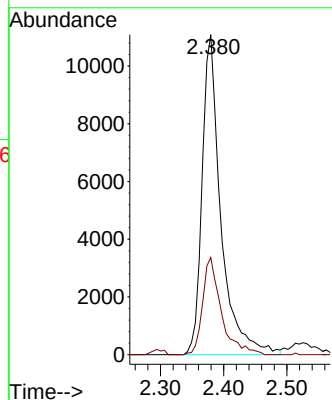
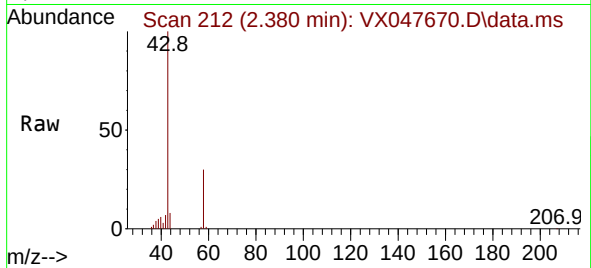




#16
Acetone
Concen: 19.070 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

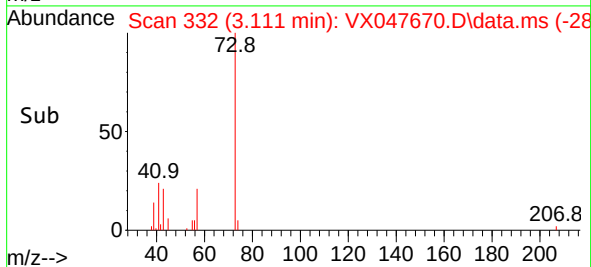
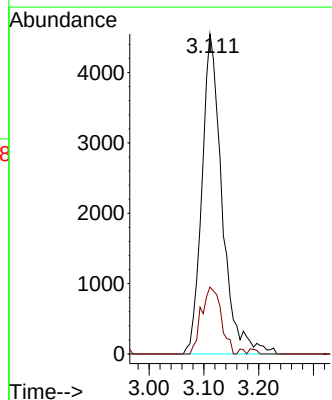
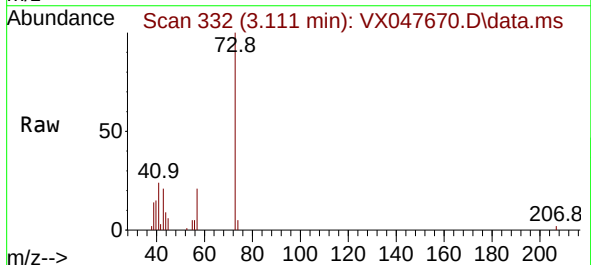
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

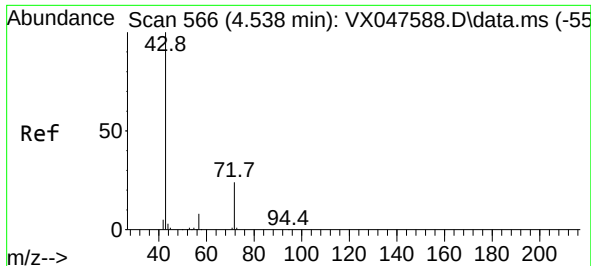
Tgt Ion: 43 Resp: 22900
Ion Ratio Lower Upper
43 100
58 28.0 23.4 35.0



#19
Methyl tert-butyl Ether
Concen: 1.543 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 73 Resp: 11612
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.2

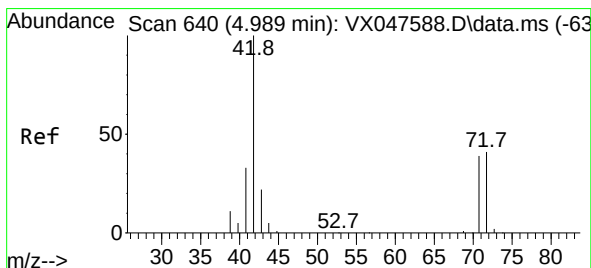
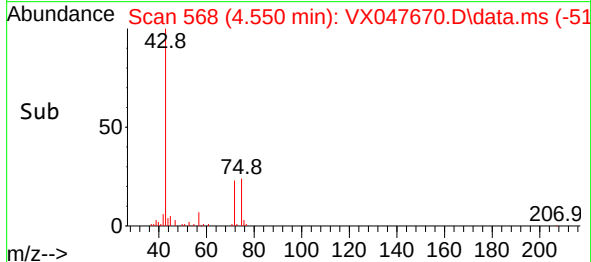
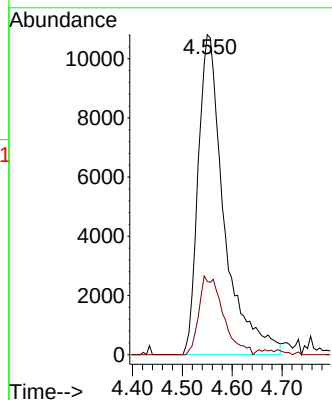
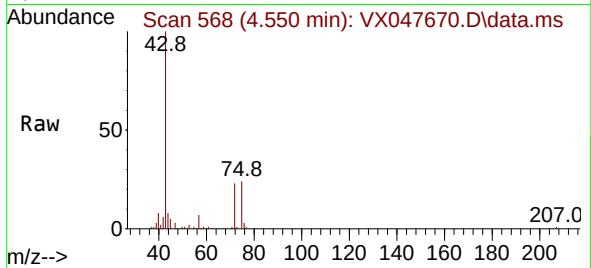




#25
2-Butanone
Concen: 26.025 ug/l
RT: 4.550 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

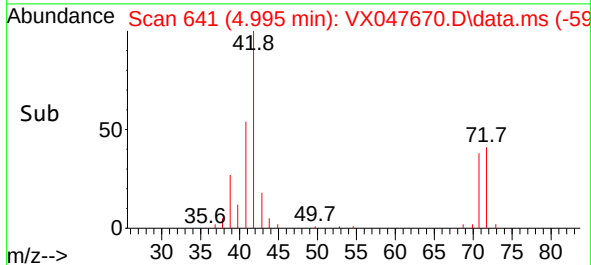
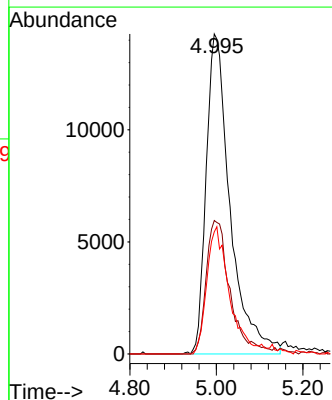
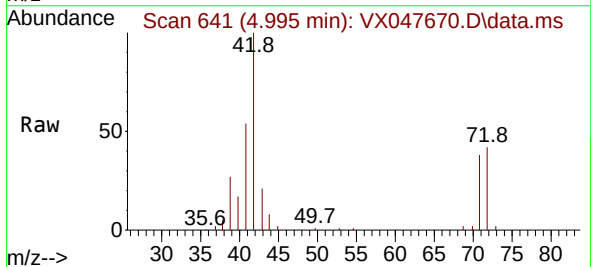
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

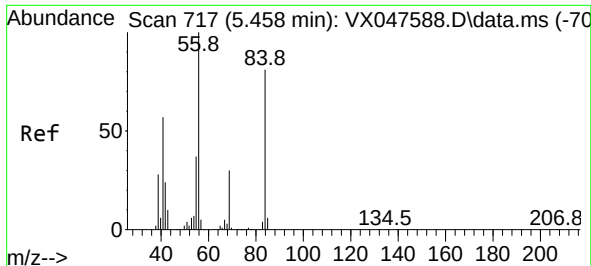
Tgt Ion: 43 Resp: 38983
Ion Ratio Lower Upper
43 100
72 22.9 20.1 30.1



#29
Tetrahydrofuran
Concen: 60.811 ug/l
RT: 4.995 min Scan# 641
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 42 Resp: 54797
Ion Ratio Lower Upper
42 100
72 41.5 34.2 51.2
71 38.0 31.9 47.9

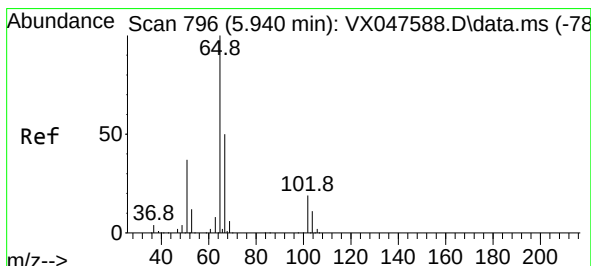
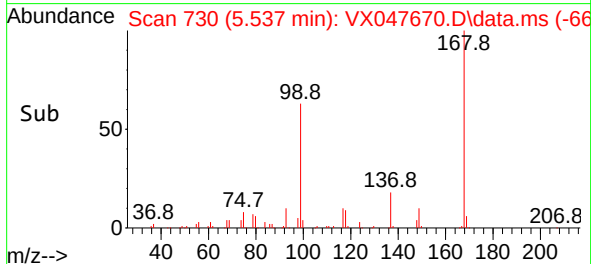
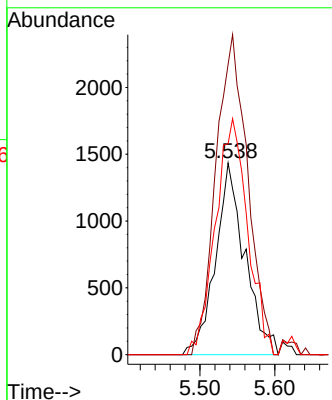
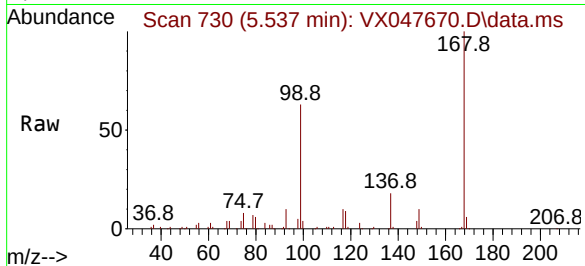




#31
Cyclohexane
Concen: 1.073 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

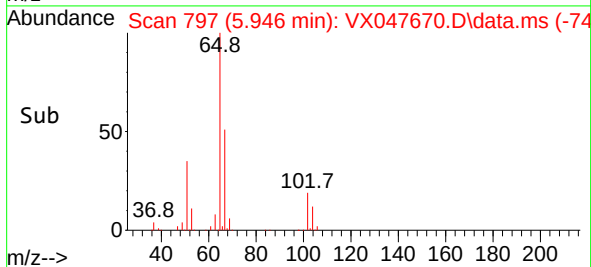
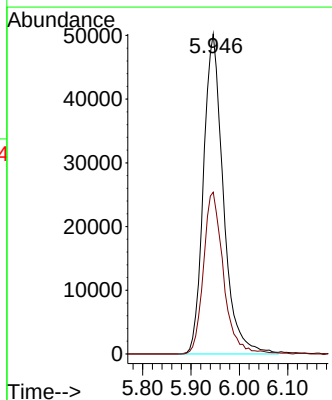
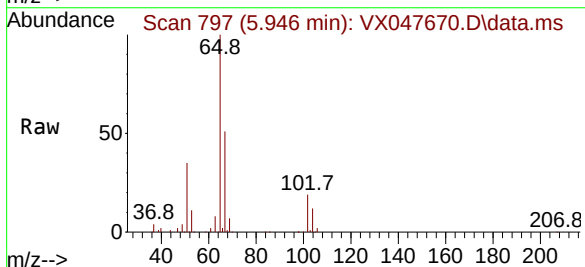
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

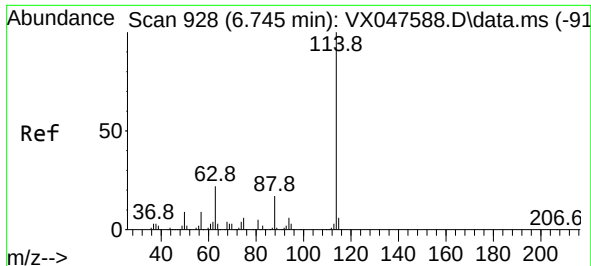
Tgt Ion: 56 Resp: 3916
Ion Ratio Lower Upper
56 100
69 151.5 23.8 35.8#
84 110.0 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 51.865 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 65 Resp: 143242
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0

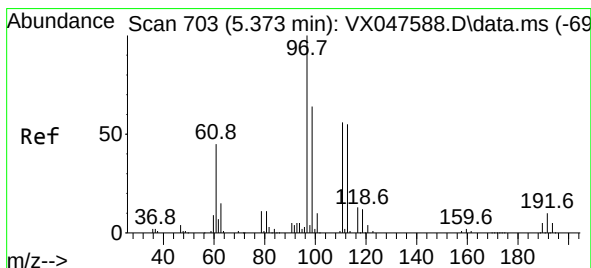
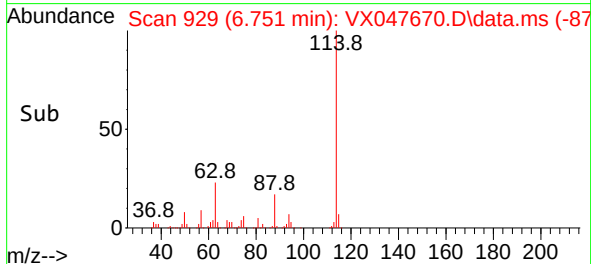
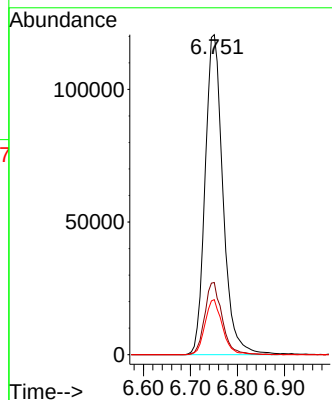
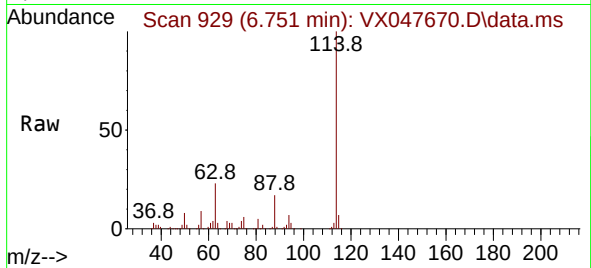




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

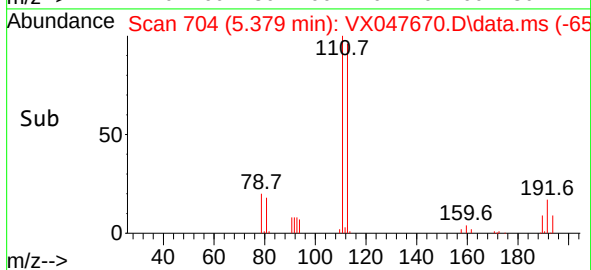
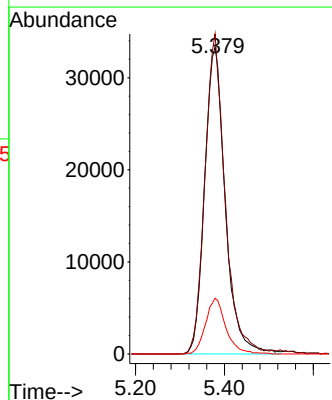
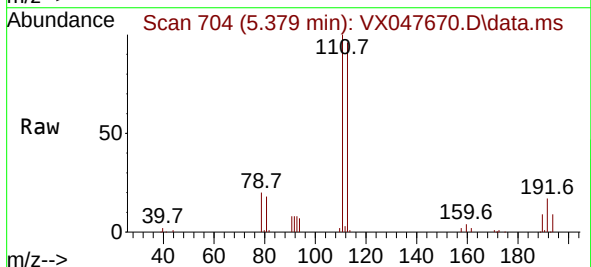
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ClientSampleId :
DUP03-20250910

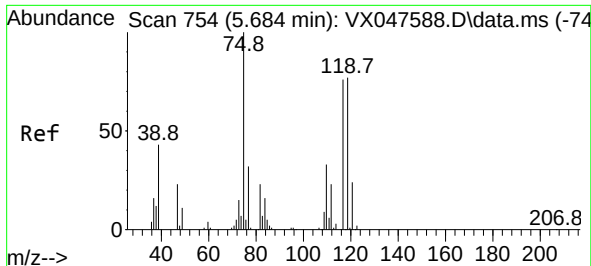
Tgt Ion:114 Resp: 318100
Ion Ratio Lower Upper
114 100
63 22.6 0.0 44.0
88 17.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.421 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion:113 Resp: 107565
Ion Ratio Lower Upper
113 100
111 101.8 80.9 121.3
192 17.9 14.2 21.4

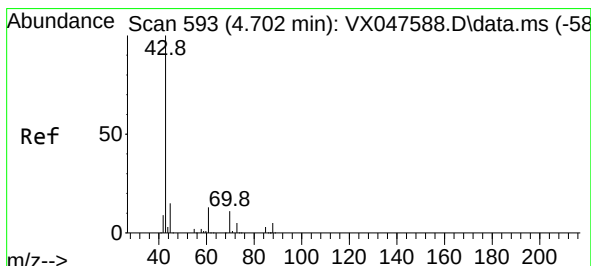
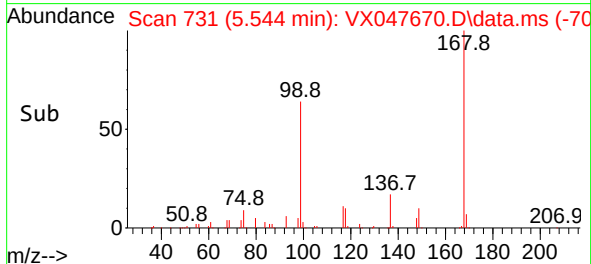
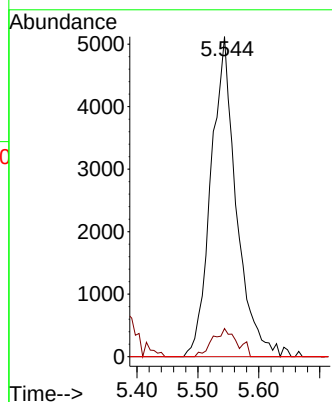
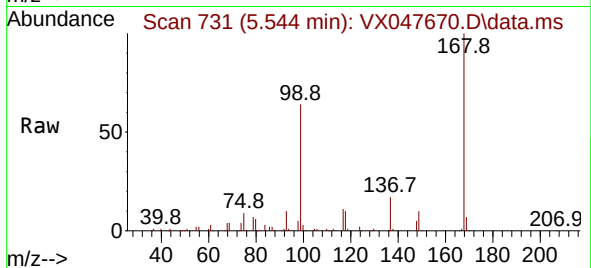




#36
1,1-Dichloropropene
Concen: 4.751 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

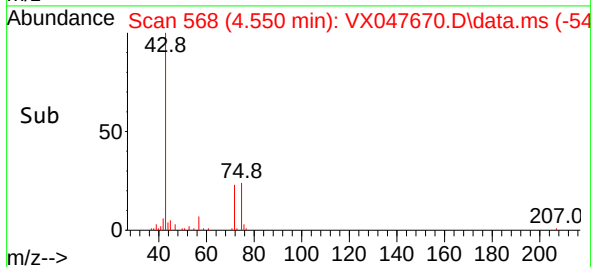
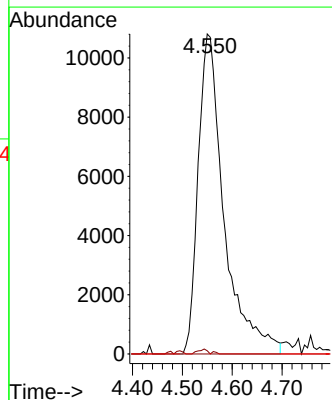
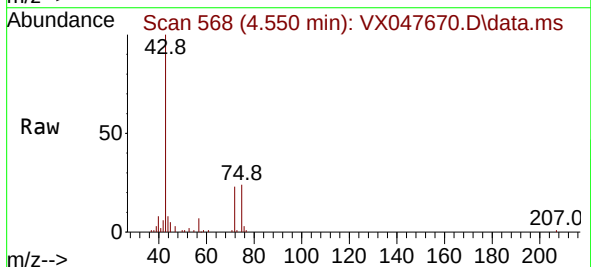
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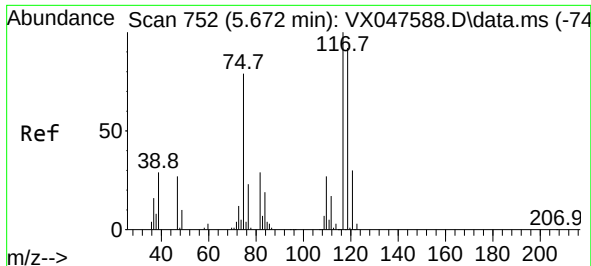
Tgt Ion: 75 Resp: 14809
Ion Ratio Lower Upper
75 100
110 8.4 16.7 50.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 11.679 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.153 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

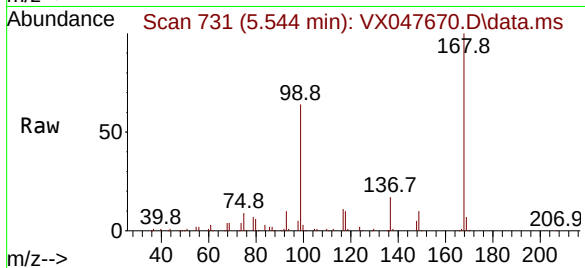
Tgt Ion: 43 Resp: 38983
Ion Ratio Lower Upper
43 100
61 0.5 9.8 14.8#
70 0.0 7.9 11.9#



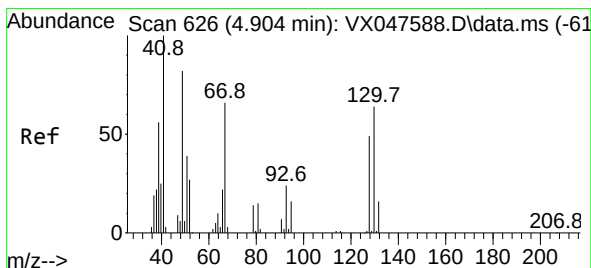
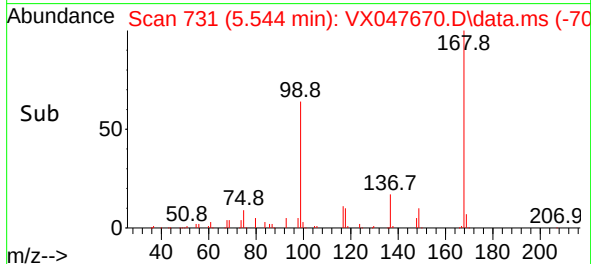
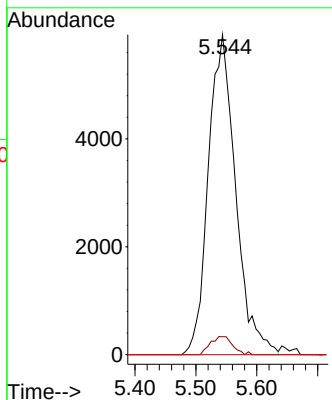


#38
Carbon Tetrachloride
Concen: 5.464 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

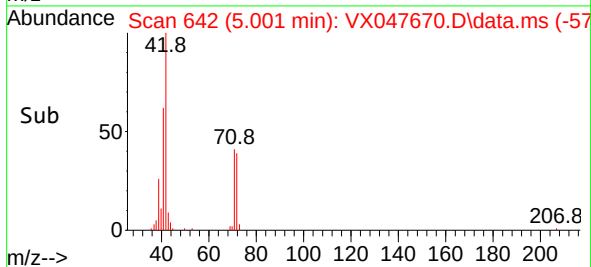
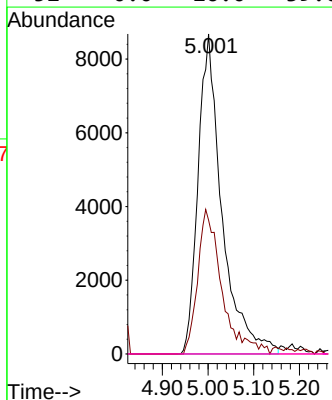
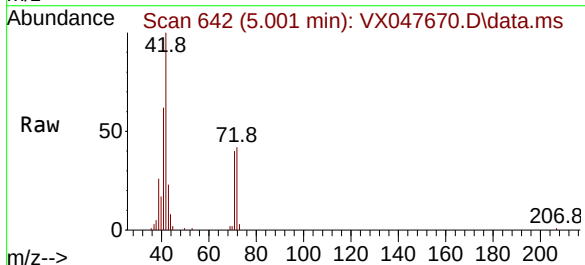


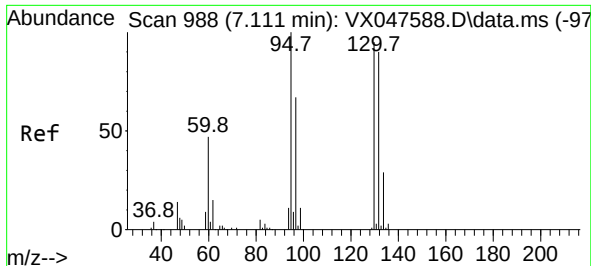
Tgt Ion:117 Resp: 18508
Ion Ratio Lower Upper
117 100
119 5.6 73.4 110.2#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 18.258 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.097 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 41 Resp: 31461
Ion Ratio Lower Upper
41 100
39 44.8 43.3 64.9
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#

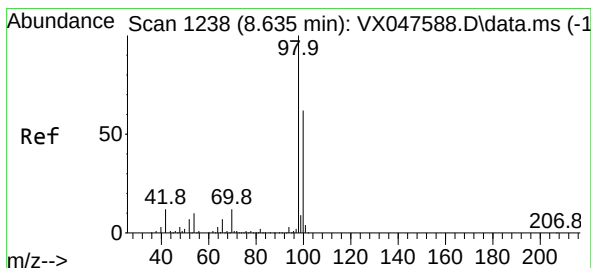
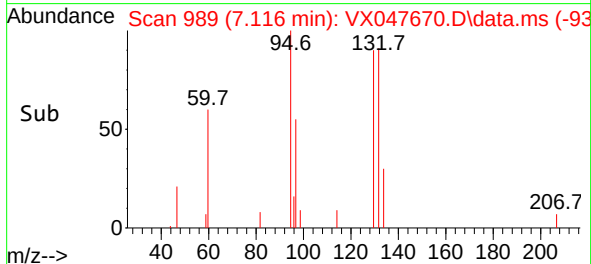
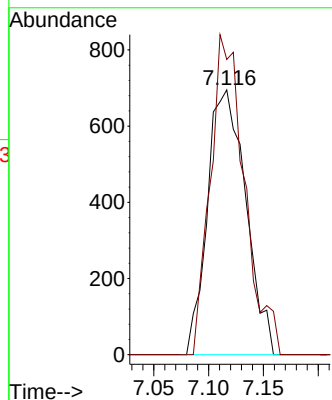
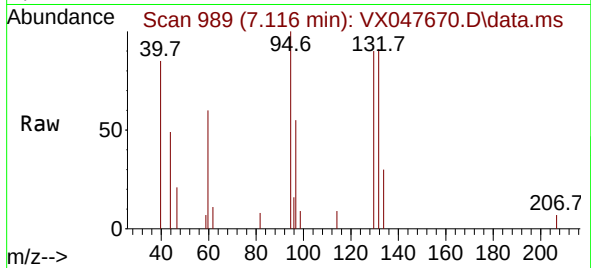




#44
Trichloroethene
Concen: 0.738 ug/l
RT: 7.116 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

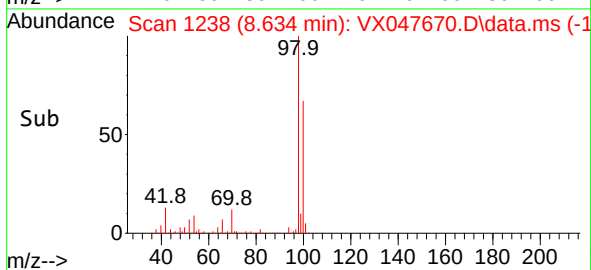
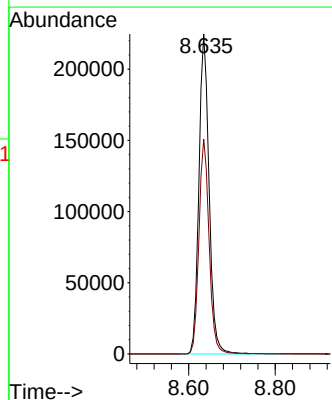
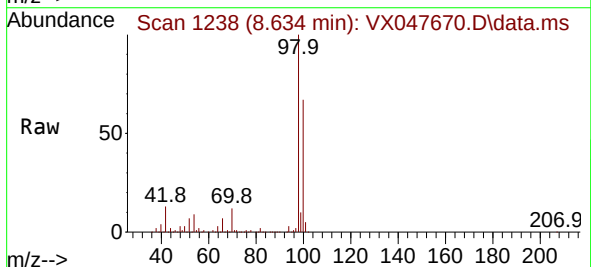
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

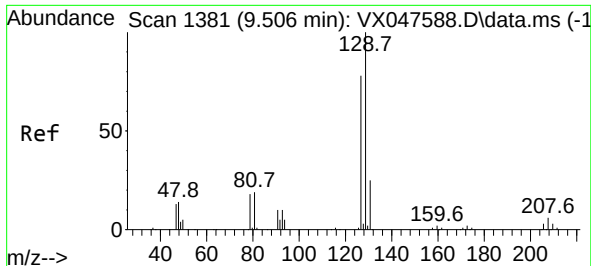
Tgt Ion:130 Resp: 1690
Ion Ratio Lower Upper
130 100
95 111.5 0.0 210.8



#50
Toluene-d8
Concen: 49.540 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 98 Resp: 365698
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.4

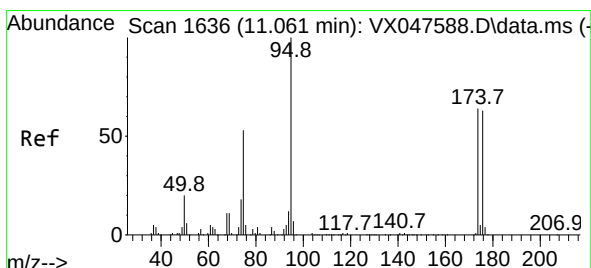
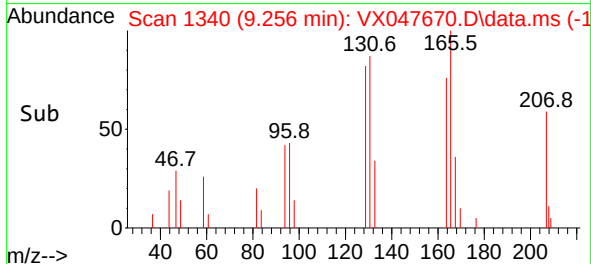
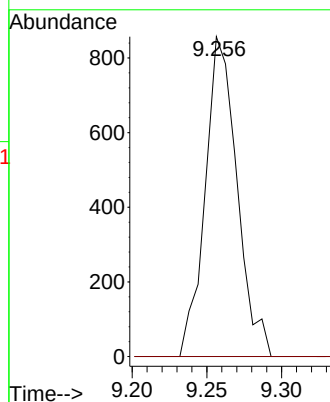
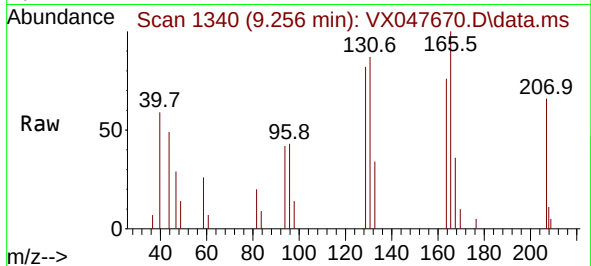




#60
Dibromochloromethane
Concen: 0.491 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

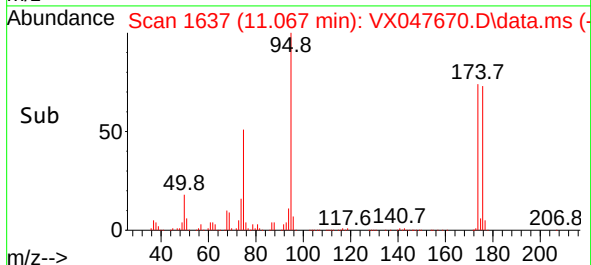
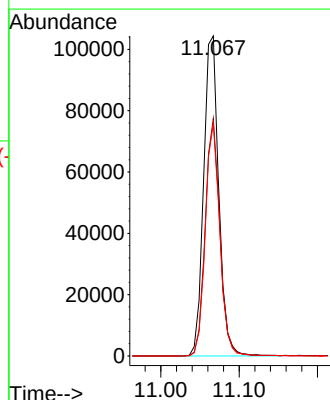
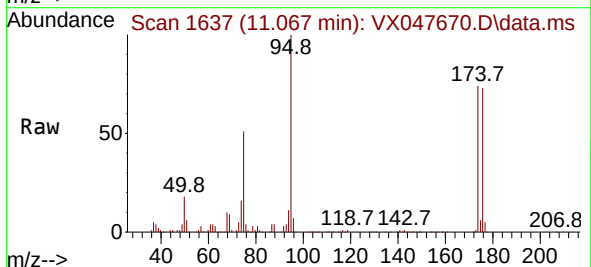
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

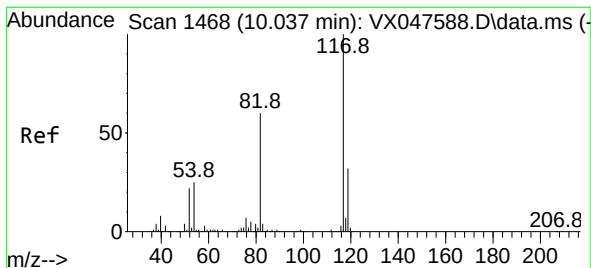
Tgt Ion:129 Resp: 1272
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.905 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 95 Resp: 139811
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.6
176 69.5 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: VX047670.D

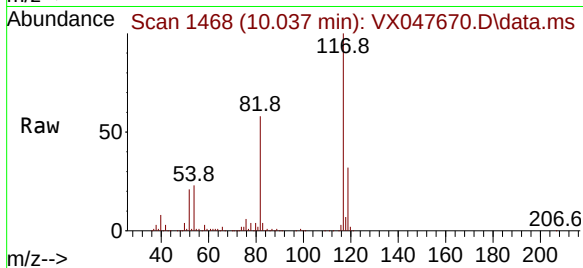
Acq: 19 Sep 2025 13:11

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20250910



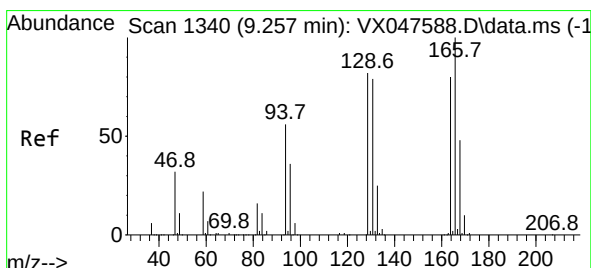
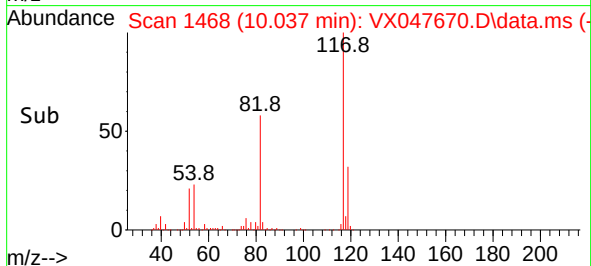
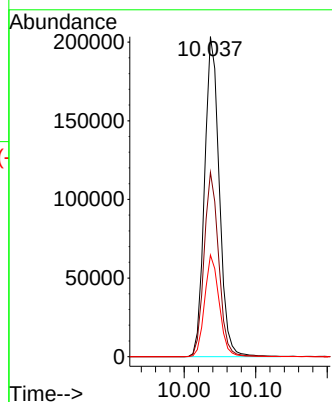
Tgt Ion:117 Resp: 291215

Ion Ratio Lower Upper

117 100

82 57.6 47.8 71.6

119 31.8 25.2 37.8



#64

Tetrachloroethene

Concen: 0.651 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VX047670.D

Acq: 19 Sep 2025 13:11

Tgt Ion:164 Resp: 1236

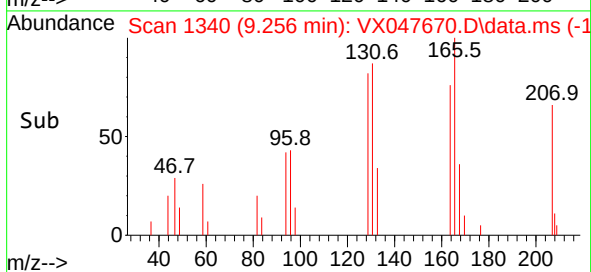
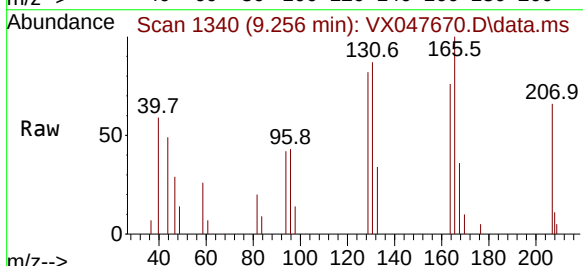
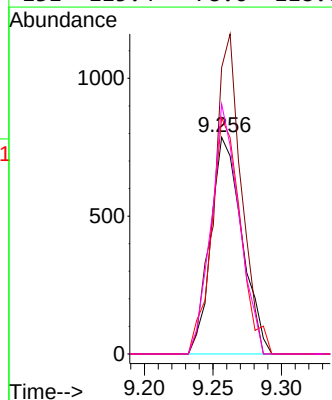
Ion Ratio Lower Upper

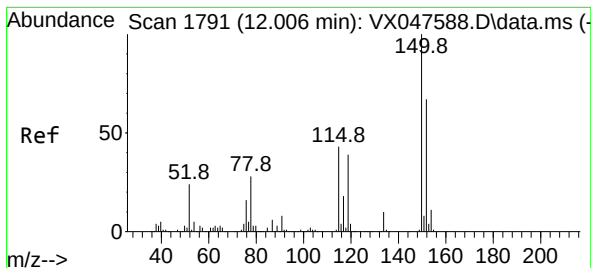
164 100

166 132.2 100.2 150.2

129 109.0 81.8 122.6

131 115.4 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047670.D

Acq: 19 Sep 2025 13:11

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20250910

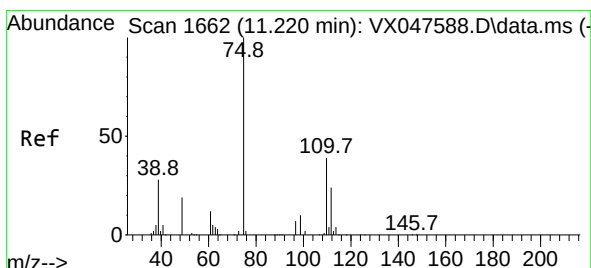
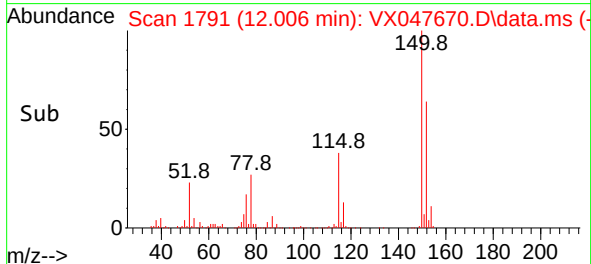
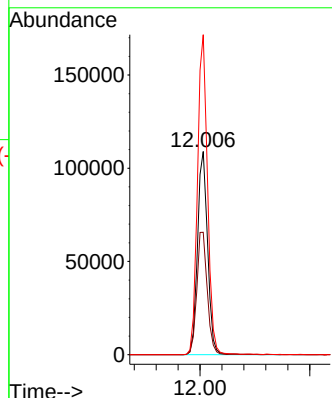
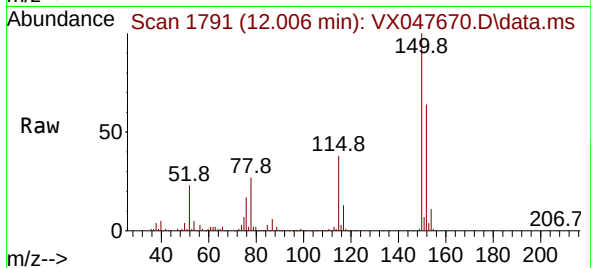
Tgt Ion:152 Resp: 140190

Ion Ratio Lower Upper

152 100

115 62.4 44.9 134.5

150 156.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 26.050 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047670.D

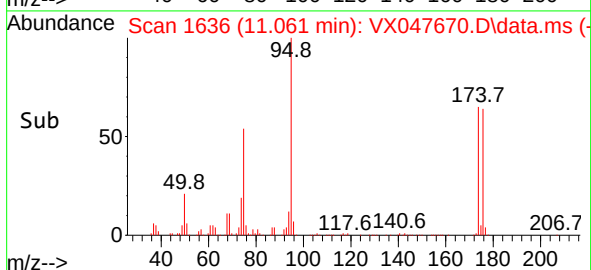
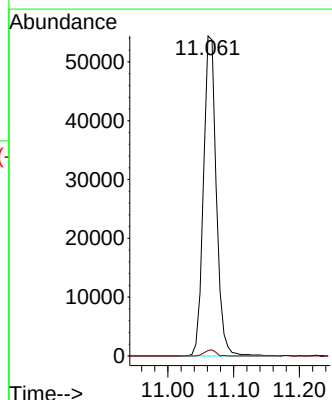
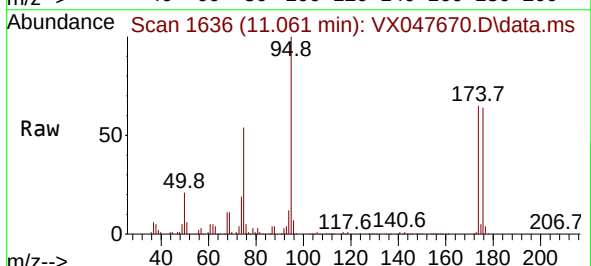
Acq: 19 Sep 2025 13:11

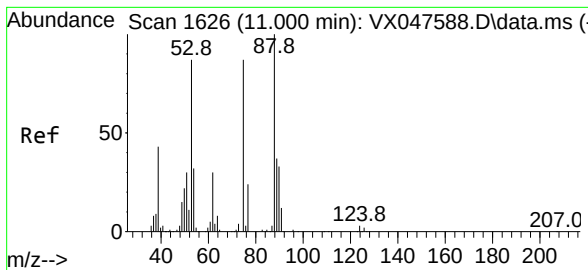
Tgt Ion: 75 Resp: 73940

Ion Ratio Lower Upper

75 100

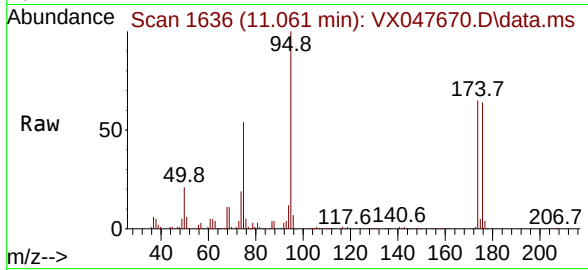
77 1.7 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.431 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047670.D
 Acq: 19 Sep 2025 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20250910



Tgt Ion: 75 Resp: 73940
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

