

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062025\
 Data File : VX046793.D
 Acq On : 20 Jun 2025 19:02
 Operator : JC/MD
 Sample : Q2318-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jun 21 00:13:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

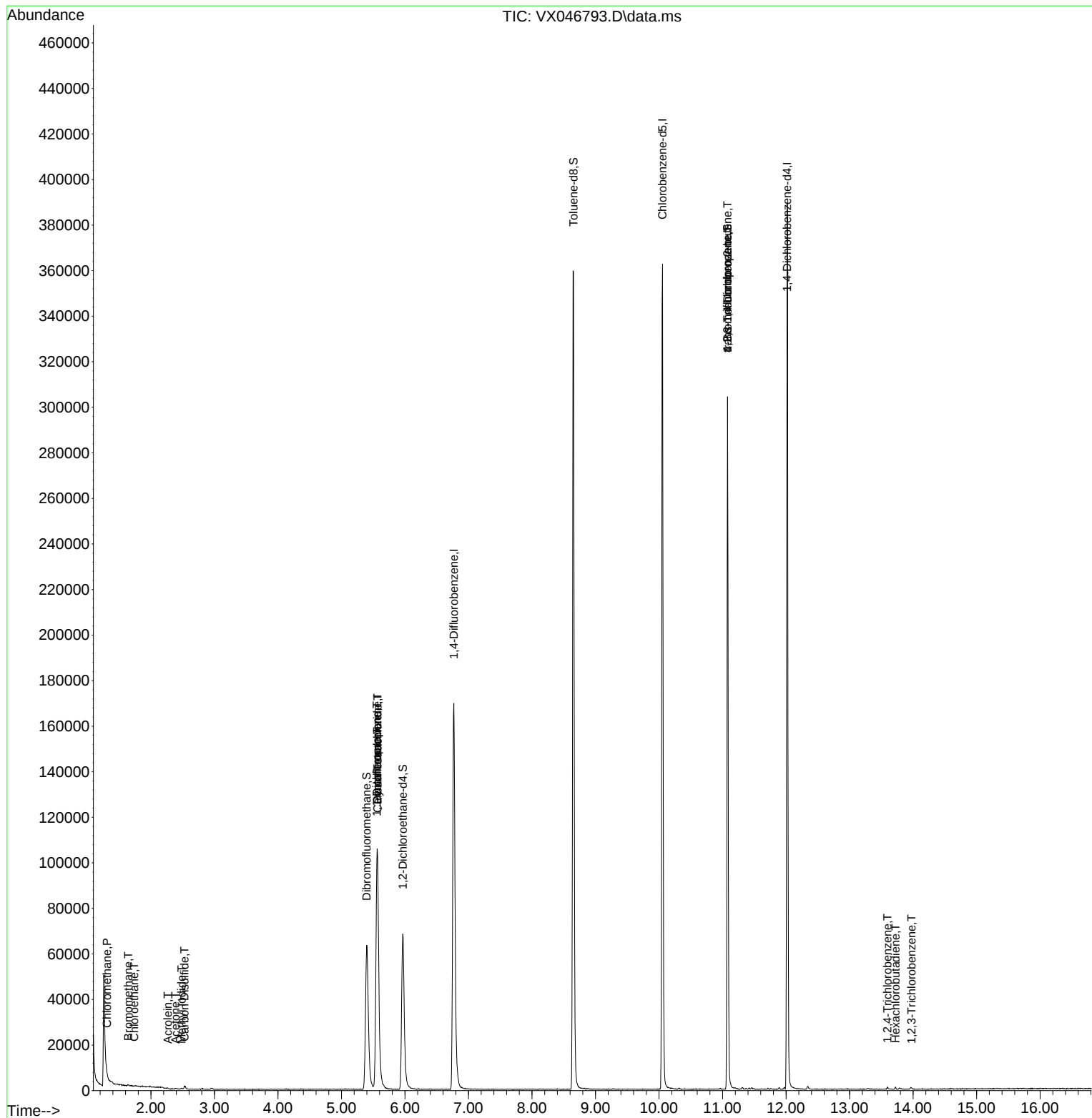
Internal Standards						
1) Pentafluorobenzene	5.562	168	111420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	188972	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	81013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	73123	47.447	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.900%		
35) Dibromofluoromethane	5.397	113	61366	49.081	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.160%		
50) Toluene-d8	8.653	98	225630	50.229	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.460%		
62) 4-Bromofluorobenzene	11.079	95	82357	49.184	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.360%		
Target Compounds						Qvalue
3) Chloromethane	1.307	50	498	0.388	ug/l #	81
5) Bromomethane	1.642	94	231	0.300	ug/l #	4
6) Chloroethane	1.733	64	219	0.264	ug/l #	41
10) Methyl Iodide	2.483	142	490	4.614	ug/l #	63
13) Acrolein	2.264	56	54	0.268	ug/l #	15
16) Acetone	2.386	43	517	1.006	ug/l #	44
17) Carbon Disulfide	2.526	76	783	0.211	ug/l #	74
31) Cyclohexane	5.562	56	2294	0.994	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8944	4.956	ug/l #	48
38) Carbon Tetrachloride	5.568	117	11122	5.678	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	41946	28.270	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	41946	79.907	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.597	180	467	0.251	ug/l #	70
94) Hexachlorobutadiene	13.725	225	222	0.284	ug/l	90
96) 1,2,3-Trichlorobenzene	13.975	180	425	0.239	ug/l #	83

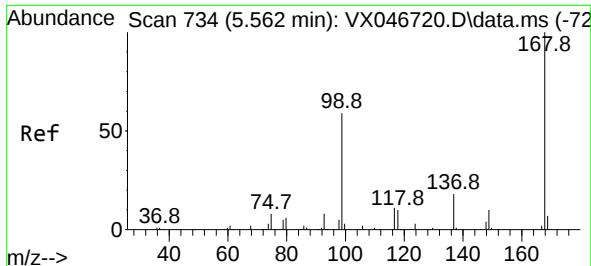
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062025\
Data File : VX046793.D
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MSVOA_X
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STORAGE-BLANK-SOIL-REF-6

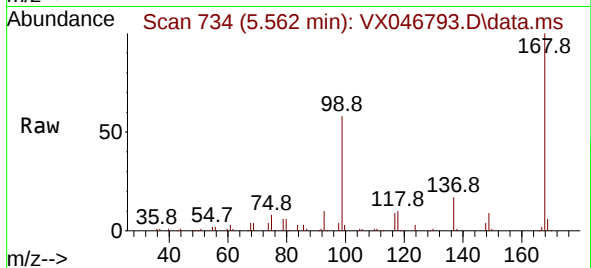
Quant Time: Jun 21 00:13:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



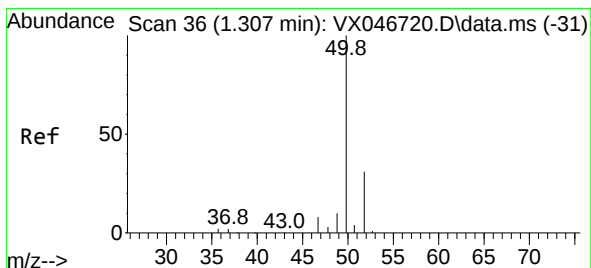
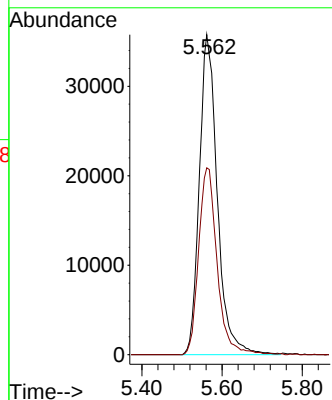
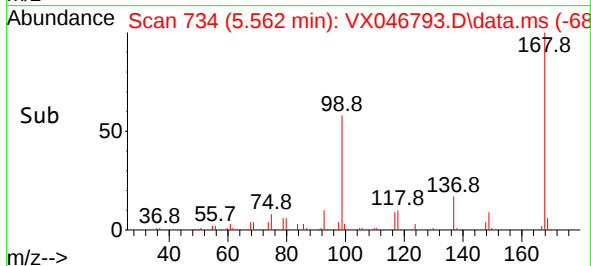


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

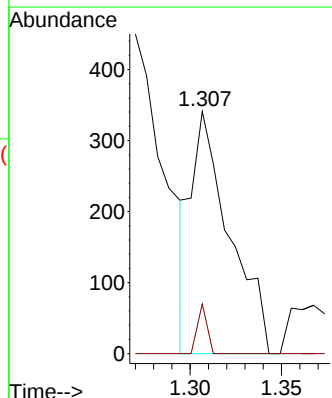
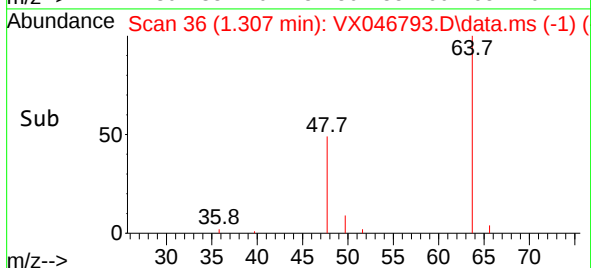
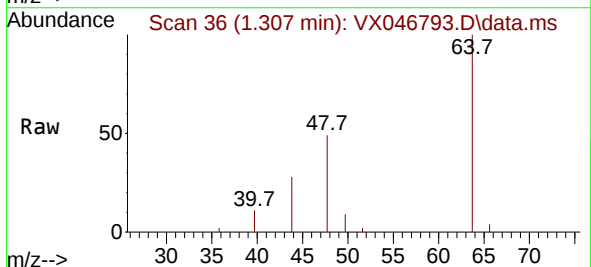


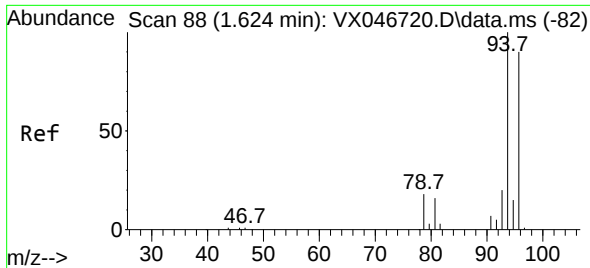
Tgt Ion:168 Resp: 111420
Ion Ratio Lower Upper
168 100
99 58.4 48.5 72.7



#3
Chloromethane
Concen: 0.388 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 50 Resp: 498
Ion Ratio Lower Upper
50 100
52 20.5 24.9 37.3#

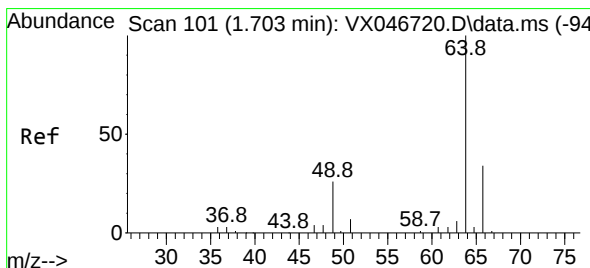
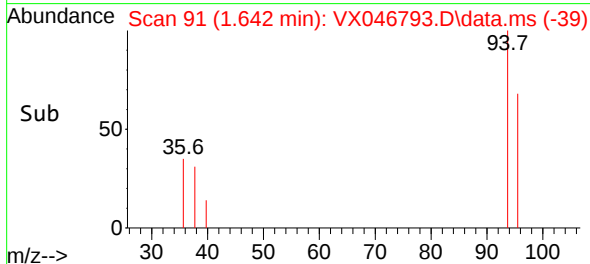
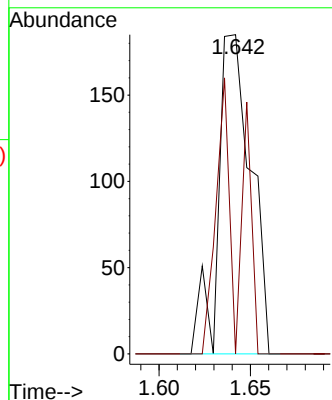
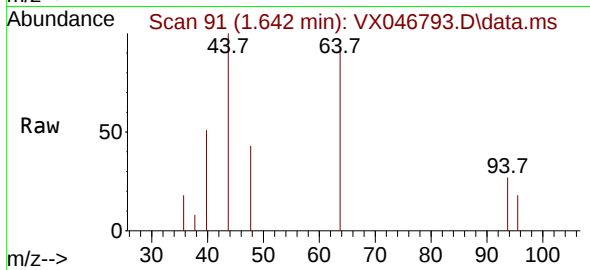




#5
Bromomethane
Concen: 0.300 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

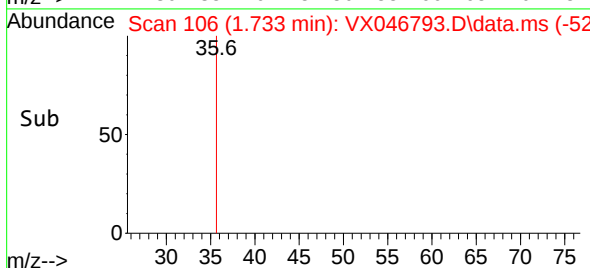
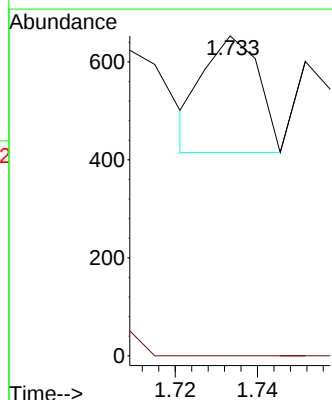
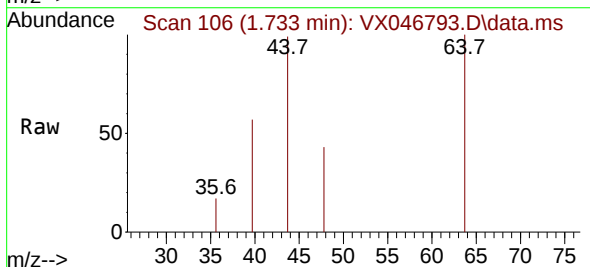
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

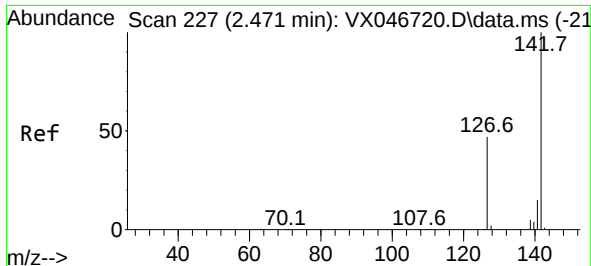
Tgt Ion: 94 Resp: 231
Ion Ratio Lower Upper
94 100
96 0.0 72.3 108.5#



#6
Chloroethane
Concen: 0.264 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.030 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 64 Resp: 219
Ion Ratio Lower Upper
64 100
66 0.0 27.1 40.7#

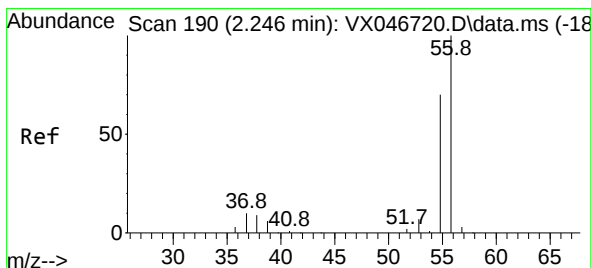
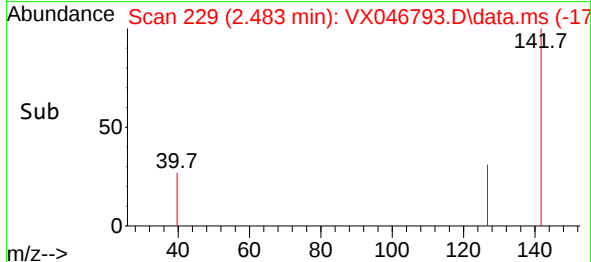
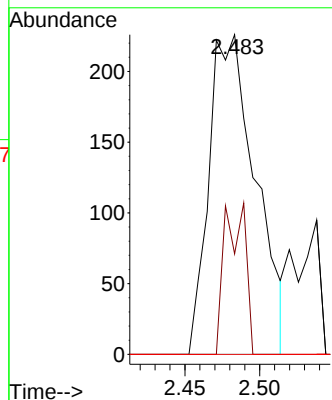
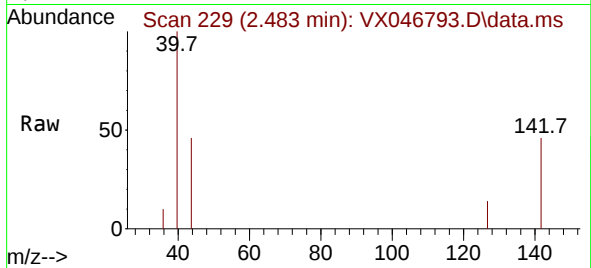




#10
Methyl Iodide
Concen: 4.614 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

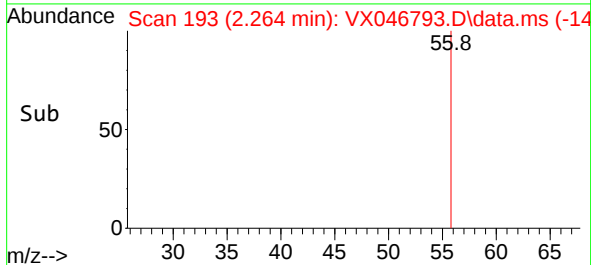
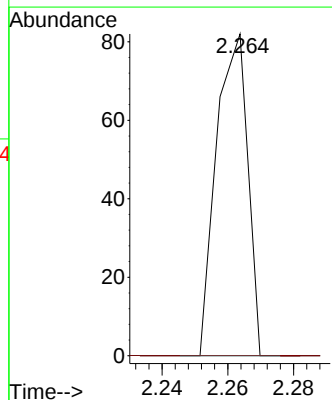
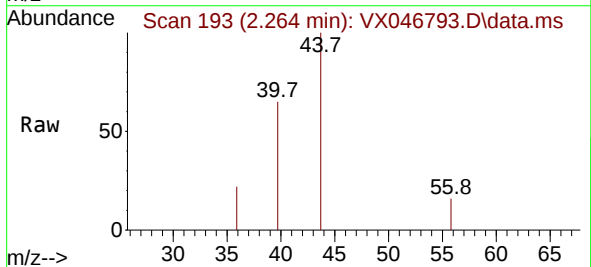
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

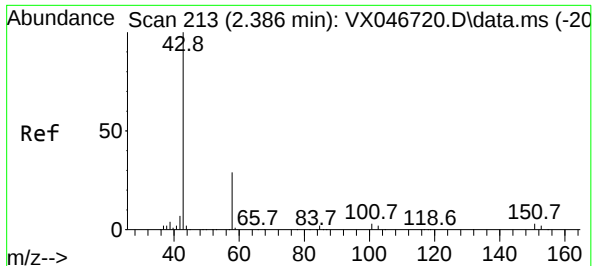
Tgt Ion:142 Resp: 490
Ion Ratio Lower Upper
142 100
127 21.2 37.0 55.6#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.268 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.018 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 55.2 82.8#

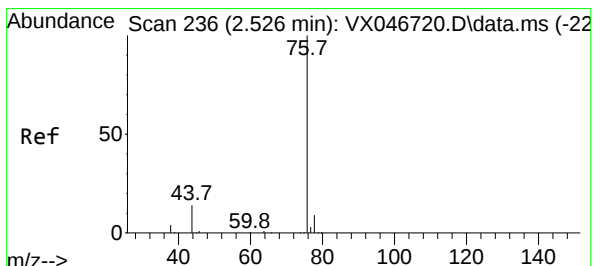
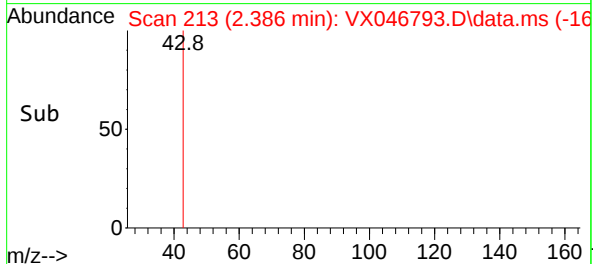
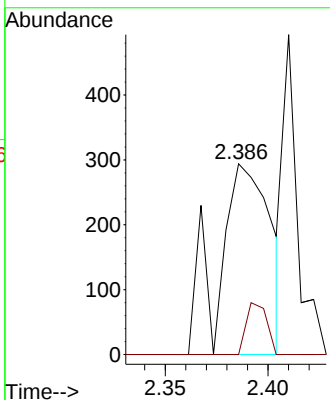
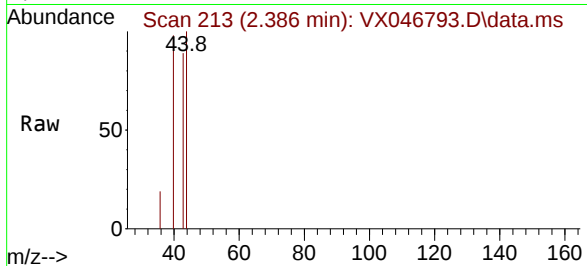




#16
Acetone
Concen: 1.006 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

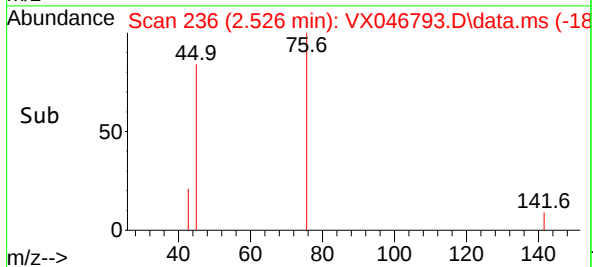
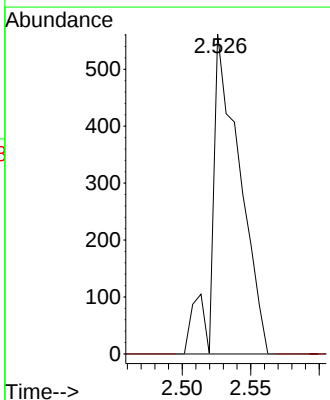
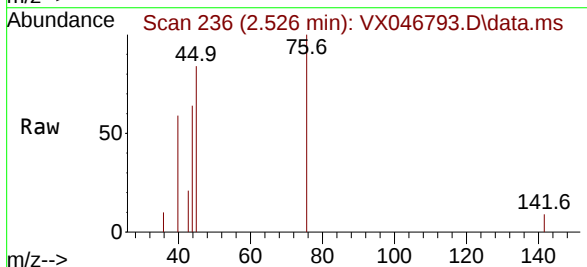
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

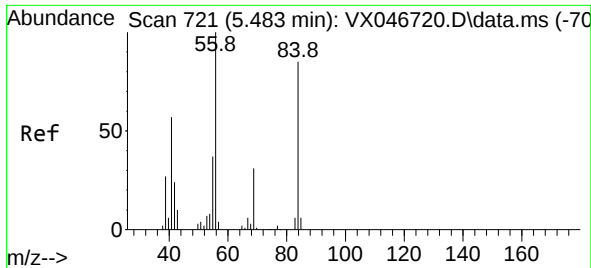
Tgt Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

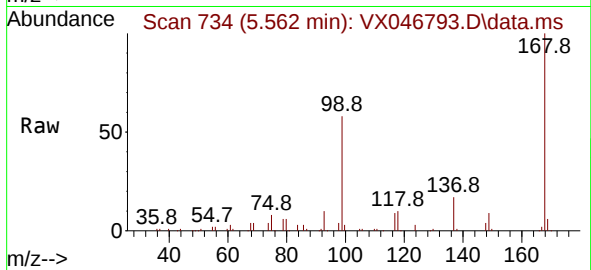
Tgt Ion: 76 Resp: 783
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



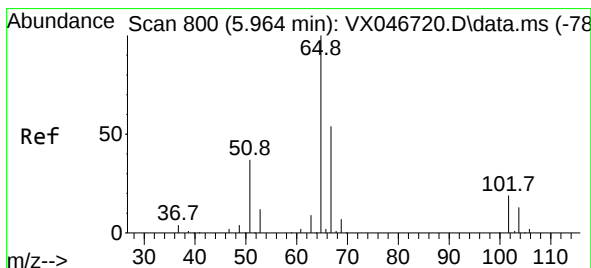
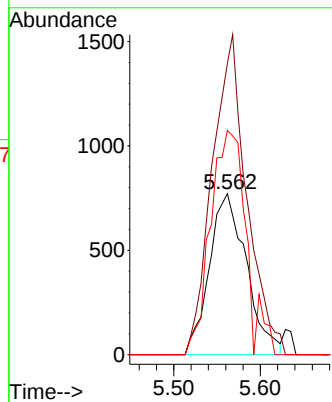
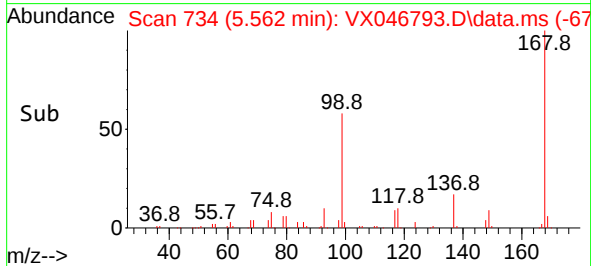


#31
Cyclohexane
Concen: 0.994 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

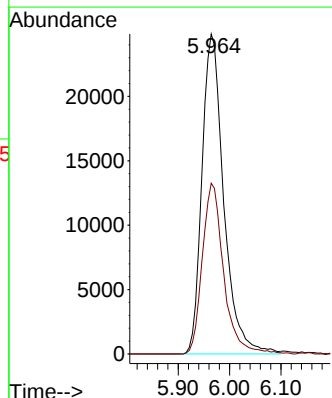
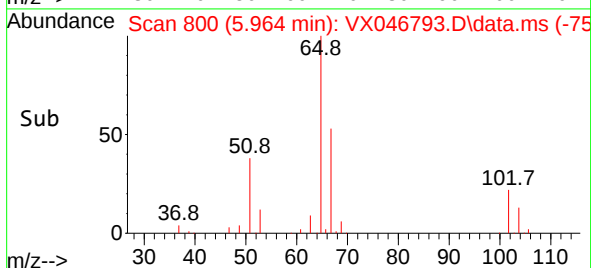
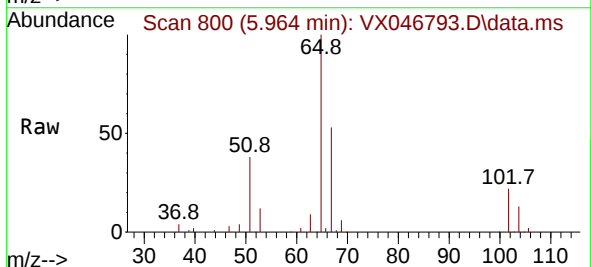


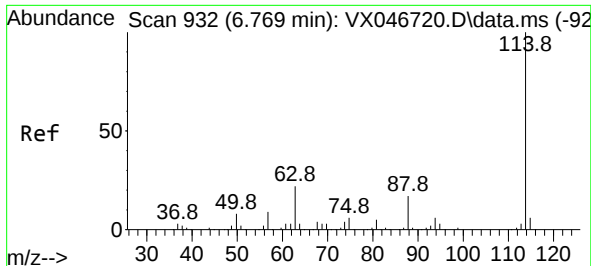
Tgt Ion: 56 Resp: 2294
Ion Ratio Lower Upper
56 100
69 180.9 24.8 37.2#
84 139.4 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 47.447 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 65 Resp: 73123
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4

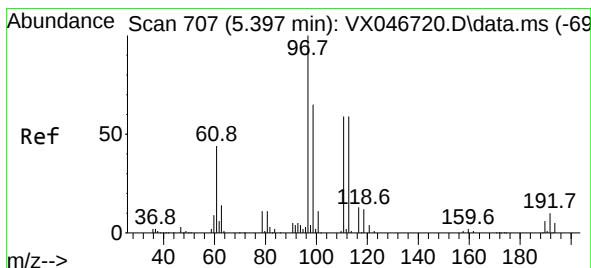
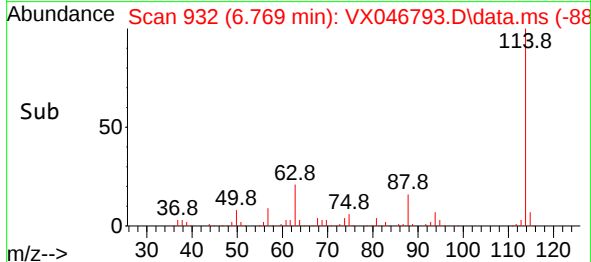
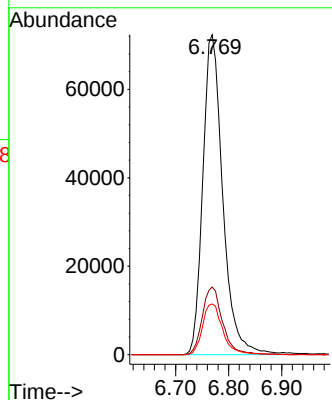
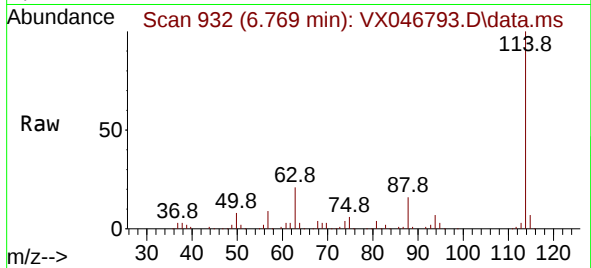




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

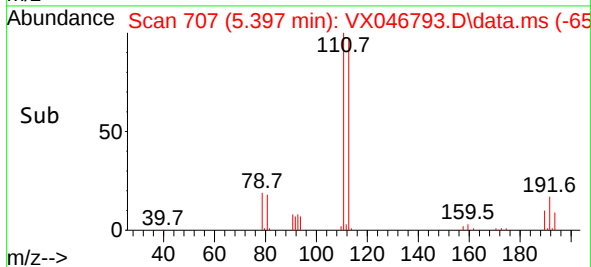
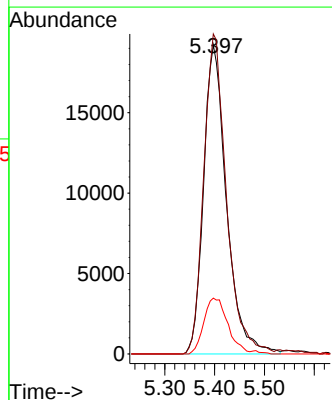
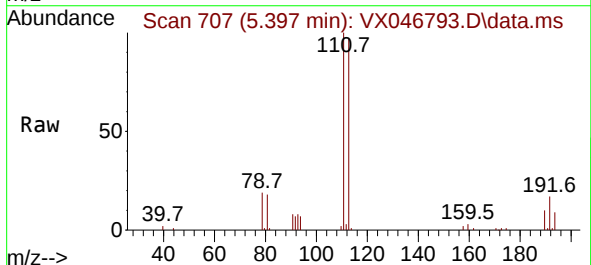
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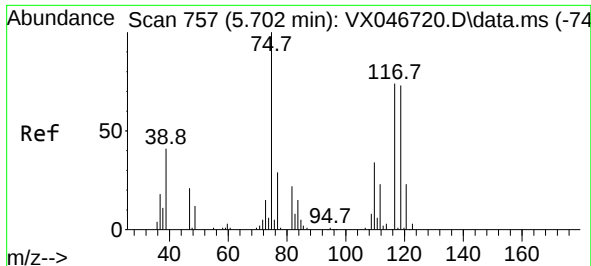
Tgt Ion:114 Resp: 188972
Ion Ratio Lower Upper
114 100
63 21.1 0.0 44.2
88 15.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.081 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Tgt Ion:113 Resp: 61366
Ion Ratio Lower Upper
113 100
111 102.3 82.0 123.0
192 18.9 15.3 22.9

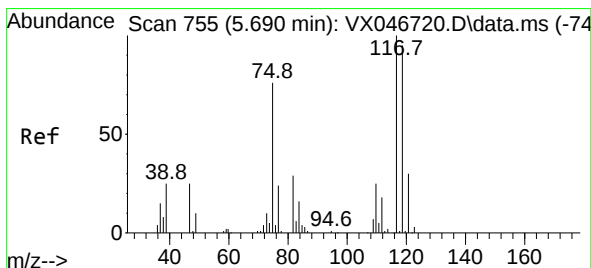
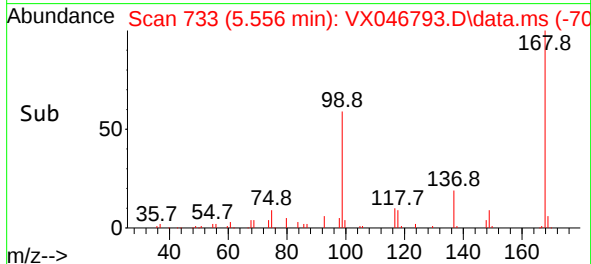
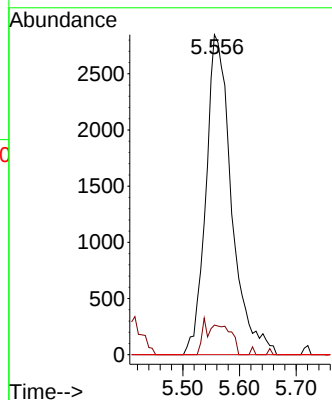
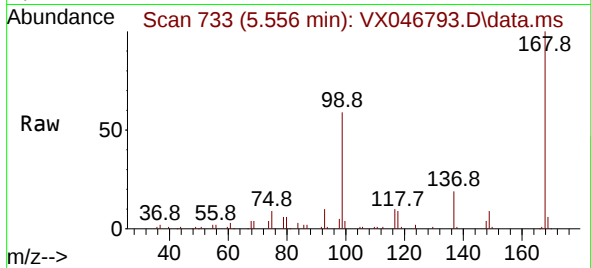




#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

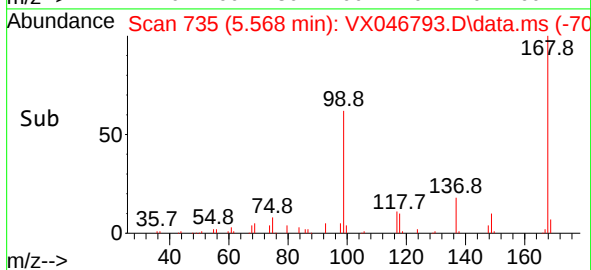
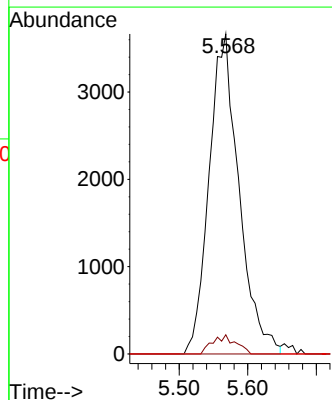
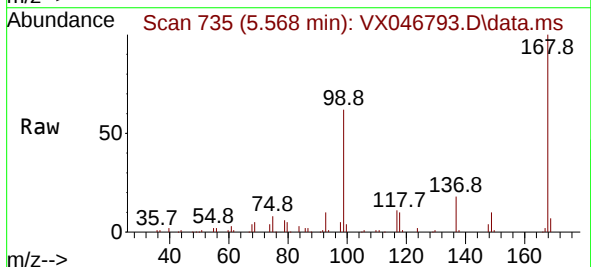
Instrument :
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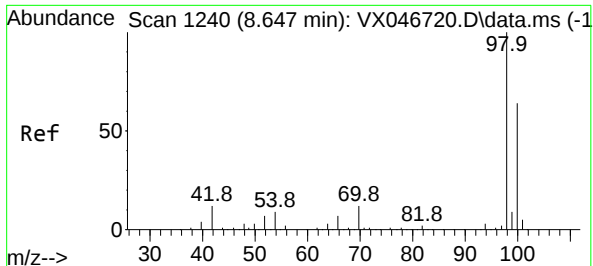
Tgt Ion: 75 Resp: 8944
Ion Ratio Lower Upper
75 100
110 6.5 17.2 51.5#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.678 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 117 Resp: 11122
Ion Ratio Lower Upper
117 100
119 6.0 75.2 112.8#
121 0.0 24.1 36.1#

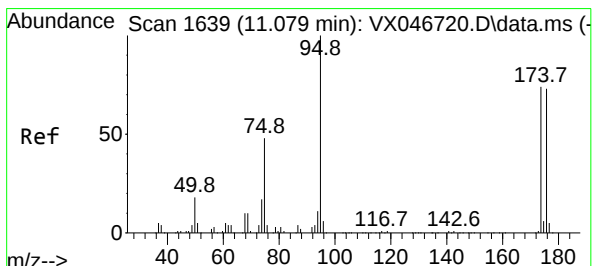
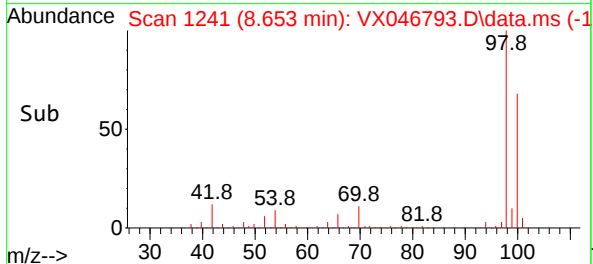
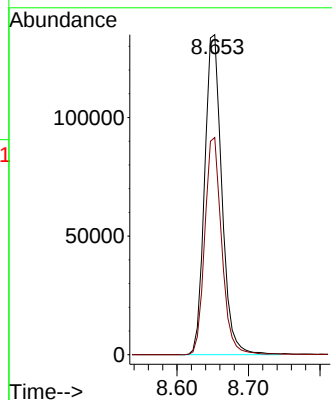
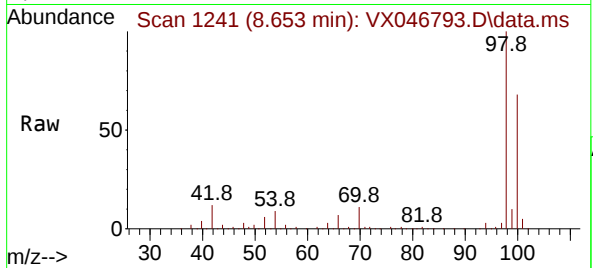




#50
Toluene-d8
Concen: 50.229 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

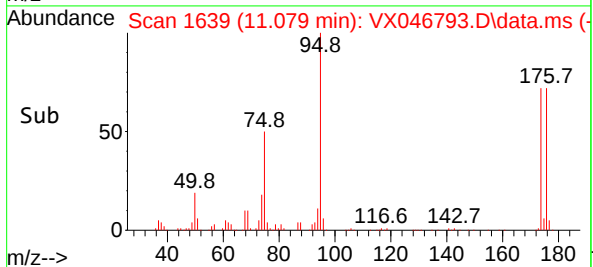
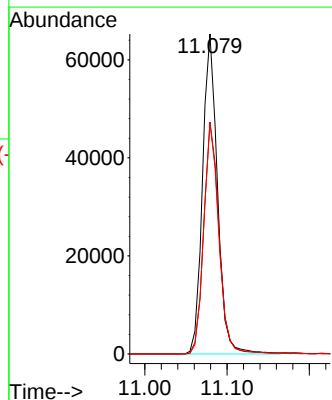
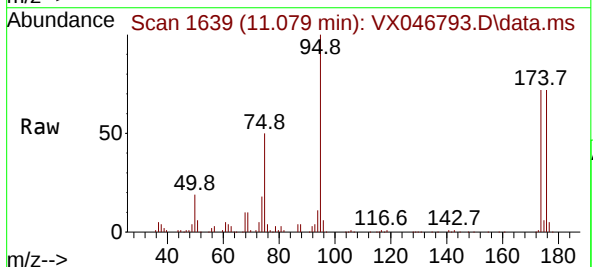
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

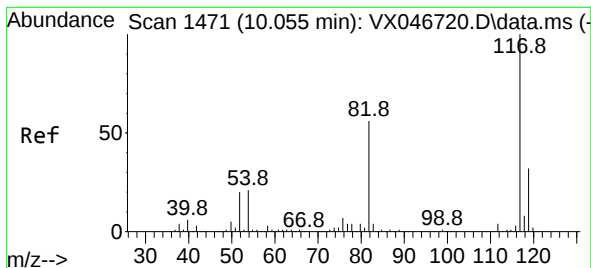
Tgt Ion: 98 Resp: 225630
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.184 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 95 Resp: 82357
Ion Ratio Lower Upper
95 100
174 74.5 0.0 150.4
176 73.1 0.0 145.0

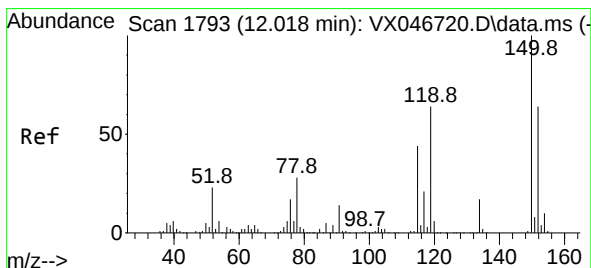
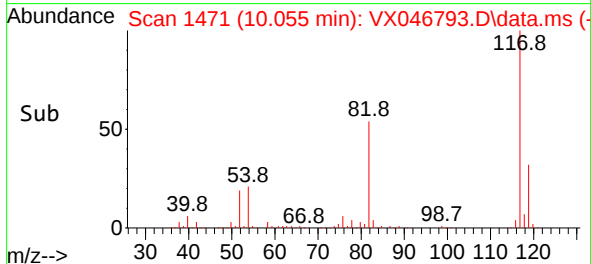
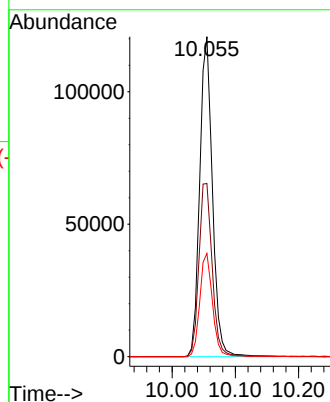
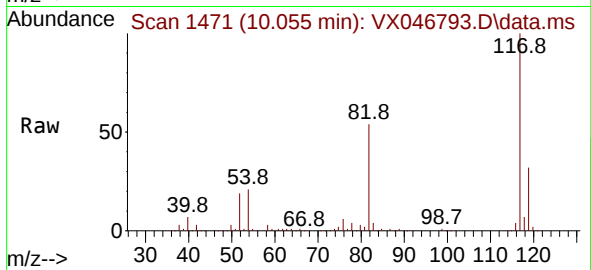




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

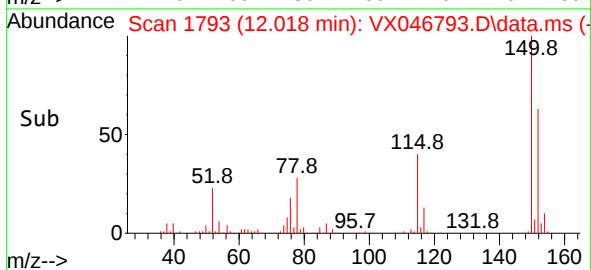
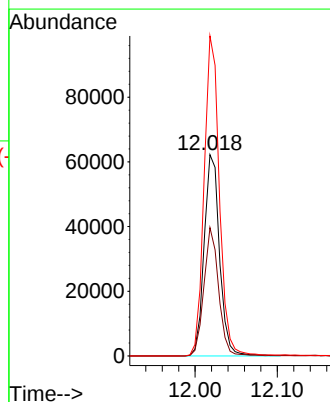
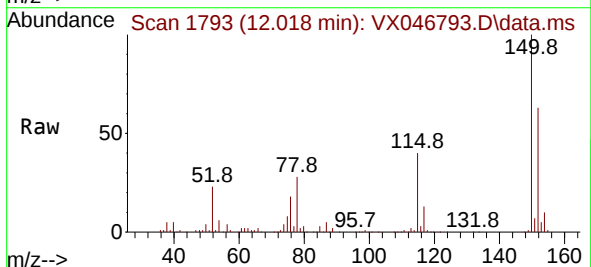
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

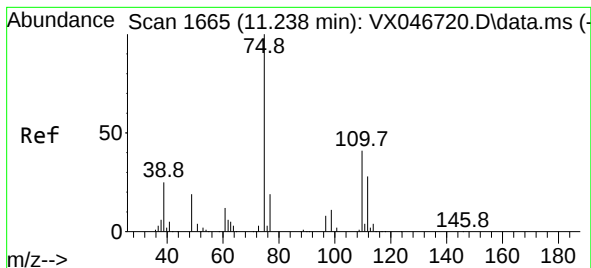
Tgt Ion:117 Resp: 169377
Ion Ratio Lower Upper
117 100
82 54.1 44.6 66.8
119 32.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046793.D
Acq: 20 Jun 2025 19:02

Tgt Ion:152 Resp: 81013
Ion Ratio Lower Upper
152 100
115 61.2 43.2 129.6
150 157.7 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 28.270 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046793.D

Acq: 20 Jun 2025 19:02

Instrument :

MSVOA_X

ClientSampleId :

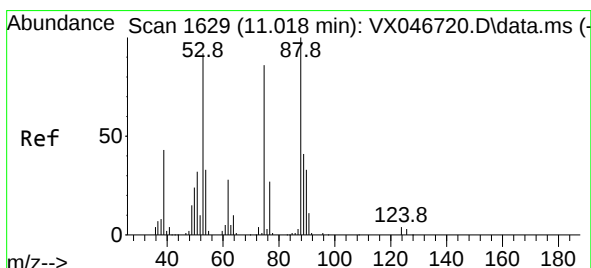
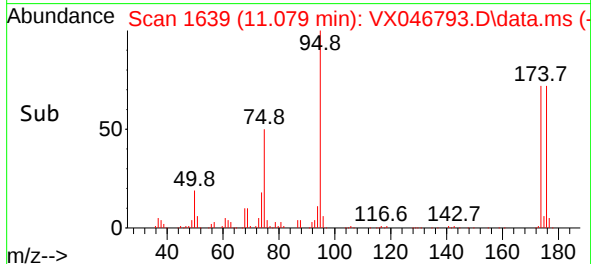
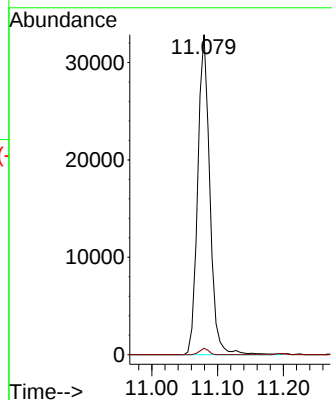
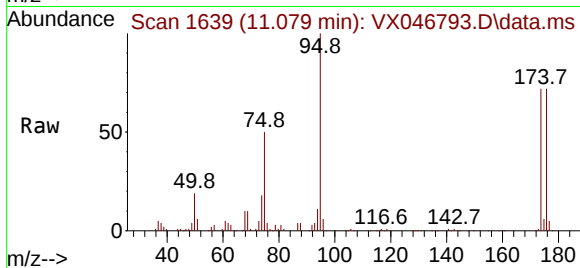
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 41946

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.907 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046793.D

Acq: 20 Jun 2025 19:02

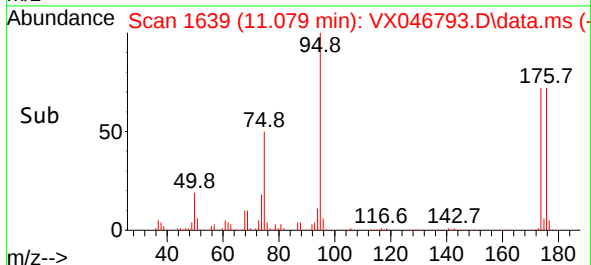
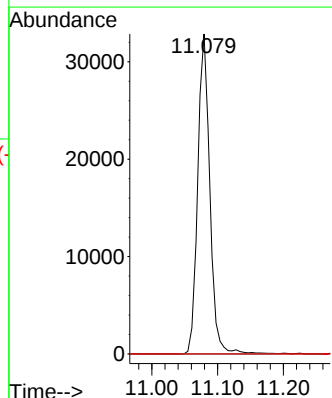
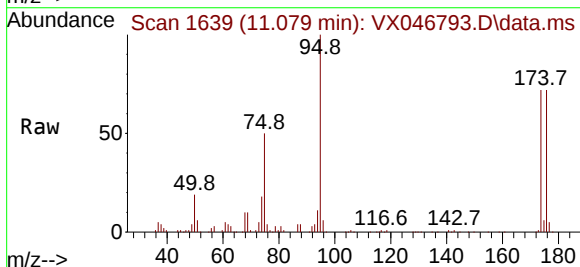
Tgt Ion: 75 Resp: 41946

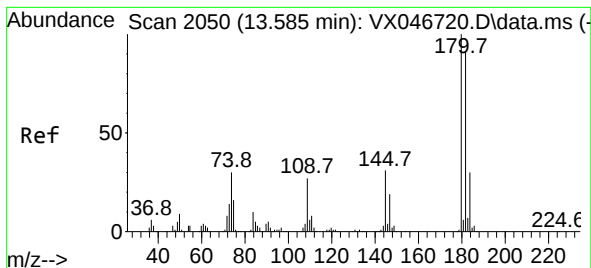
Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.251 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX046793.D

Acq: 20 Jun 2025 19:02

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

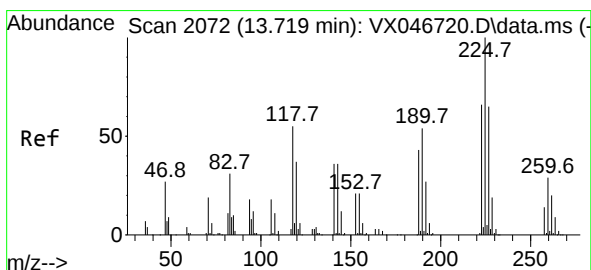
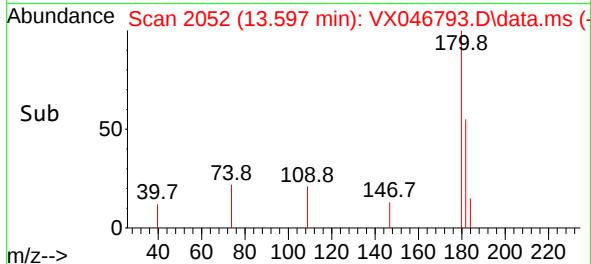
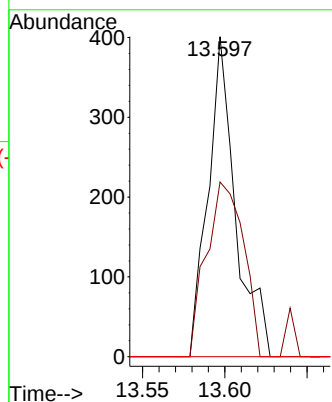
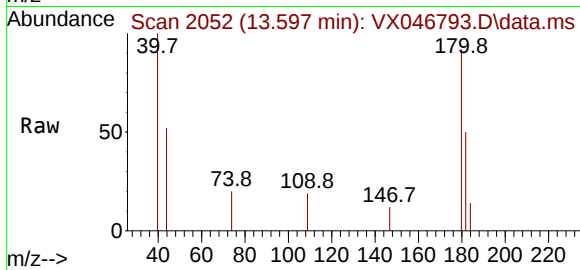
Tgt Ion:180 Resp: 467

Ion Ratio Lower Upper

180 100

182 73.7 46.7 140.1

145 0.0 15.8 47.4#



#94

Hexachlorobutadiene

Concen: 0.284 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX046793.D

Acq: 20 Jun 2025 19:02

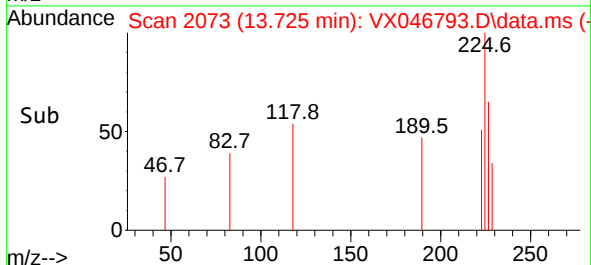
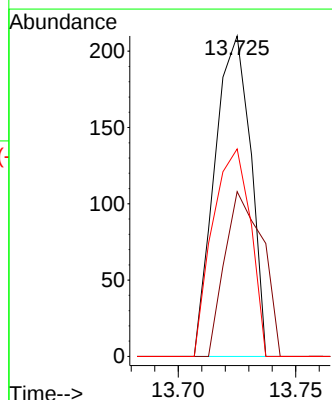
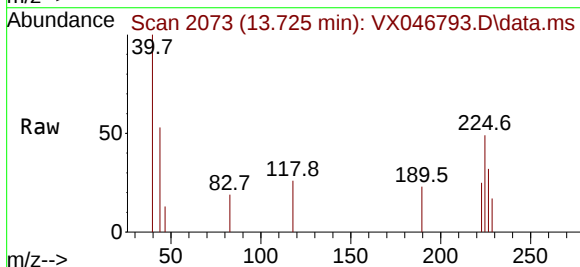
Tgt Ion:225 Resp: 222

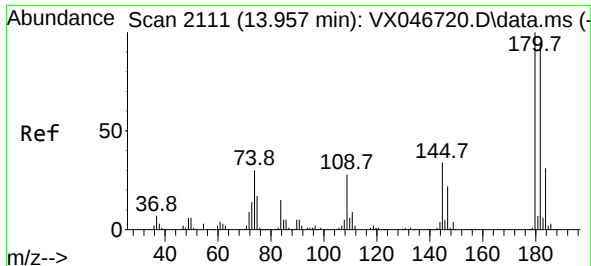
Ion Ratio Lower Upper

225 100

223 54.5 32.5 97.5

227 68.9 32.2 96.6





#96

1,2,3-Trichlorobenzene

Concen: 0.239 ug/l

RT: 13.975 min Scan# 21

Delta R.T. 0.018 min

Lab File: VX046793.D

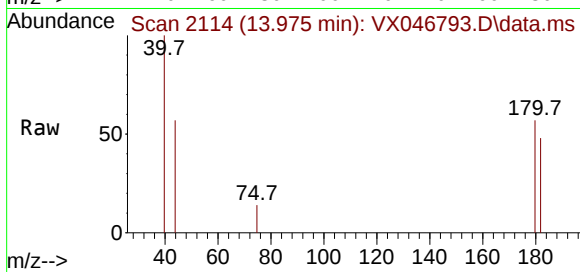
Acq: 20 Jun 2025 19:02

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



Tgt Ion:180 Resp: 425

Ion Ratio Lower Upper

180 100

182 88.0 47.8 143.4

145 10.6 17.3 51.9#

