

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
 Data File : VX047992.D
 Acq On : 03 Oct 2025 14:32
 Operator : JC/MD
 Sample : Q3226-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 03 23:48:33 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)

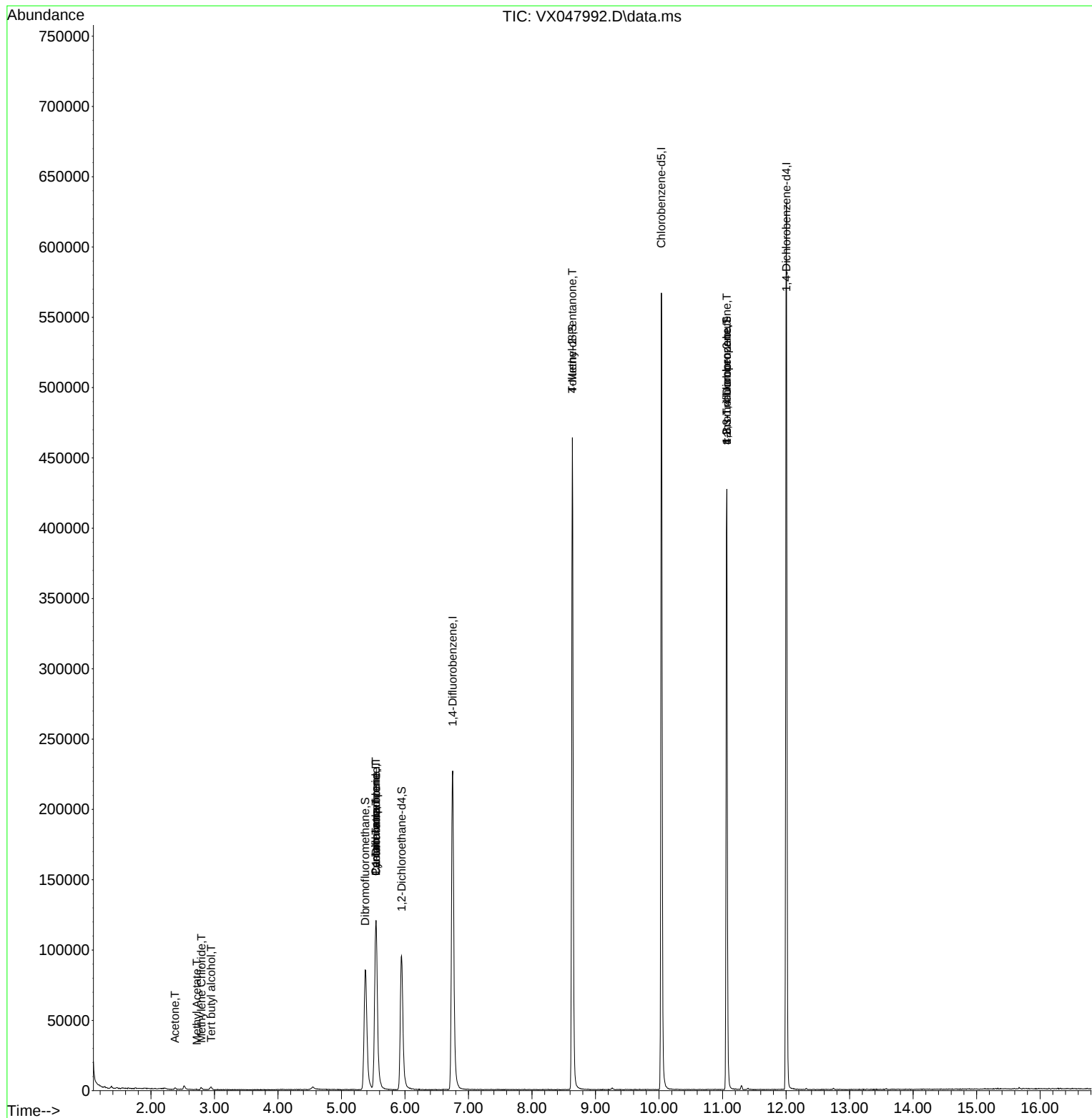
Internal Standards						
1) Pentafluorobenzene	5.543	168	121132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	250940	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	259662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106296	55.129	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.260%
35) Dibromofluoromethane	5.373	113	84088	49.965	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.920%
50) Toluene-d8	8.634	98	281174	48.284	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.560%
62) 4-Bromofluorobenzene	11.067	95	123165	55.729	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	945	4.401	ug/l #	72
16) Acetone	2.379	43	907	1.082	ug/l	90
18) Methyl Acetate	2.721	43	468	0.251	ug/l #	54
20) Methylene Chloride	2.794	84	760	0.428	ug/l	90
31) Cyclohexane	5.543	56	2747	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	10563	4.295	ug/l #	49
38) Carbon Tetrachloride	5.543	117	13328	4.988	ug/l #	18
51) 4-Methyl-2-Pentanone	8.634	43	1319	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	11.067	75	65556	24.426	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	65556	62.289	ug/l #	8

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

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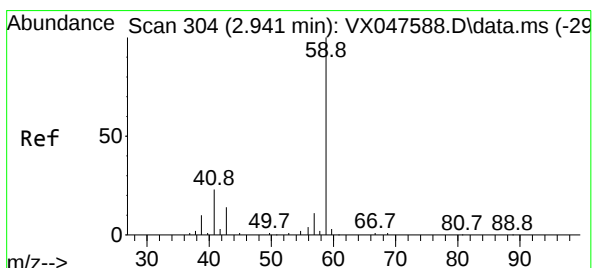
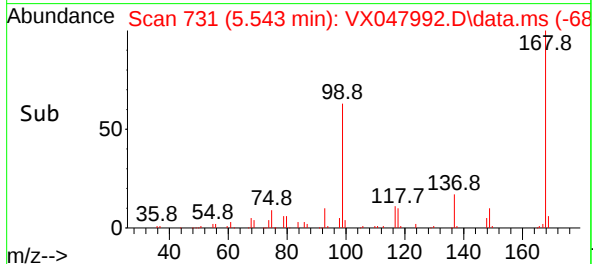
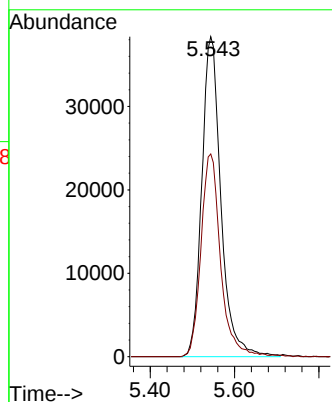
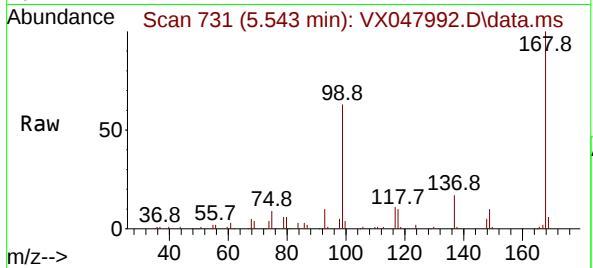




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

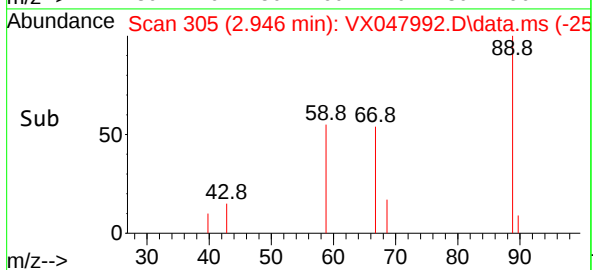
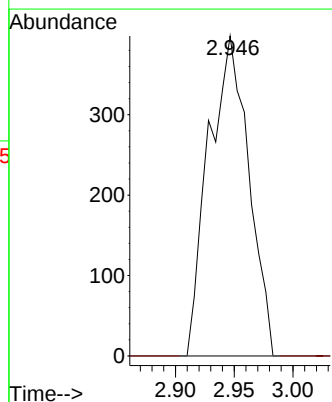
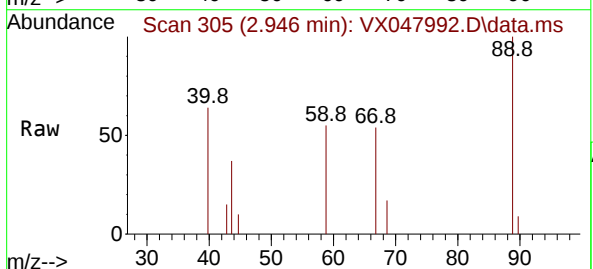
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 121132
Ion Ratio Lower Upper
168 100
99 63.3 48.8 73.2



#11
Tert butyl alcohol
Concen: 4.401 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

Tgt Ion: 59 Resp: 945
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

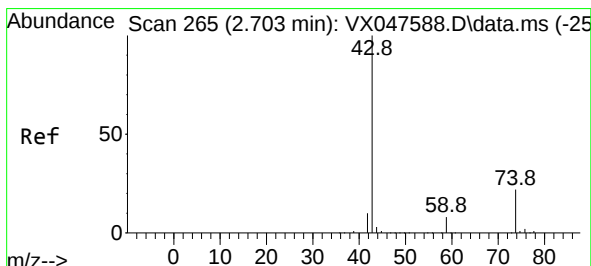
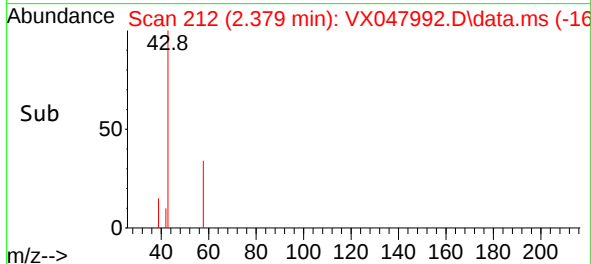
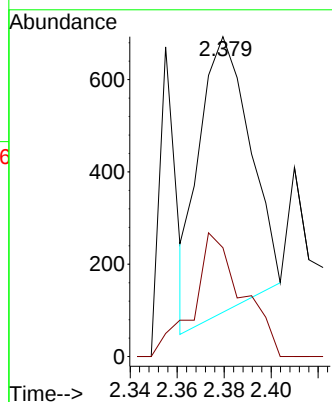
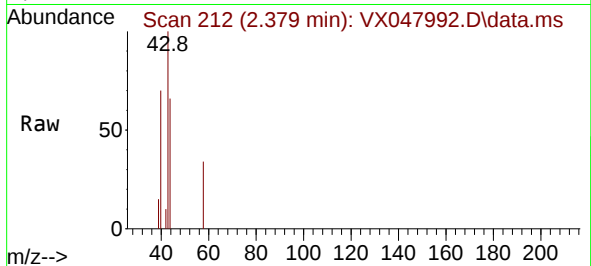




#16
Acetone
Concen: 1.082 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

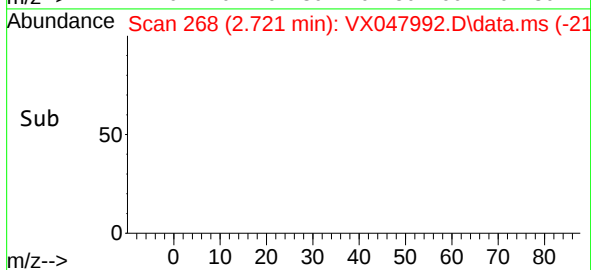
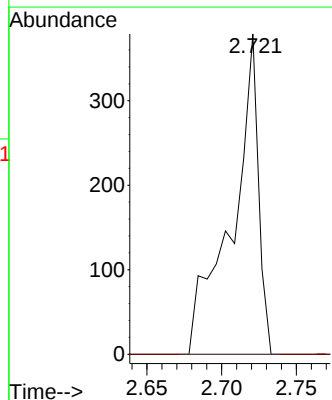
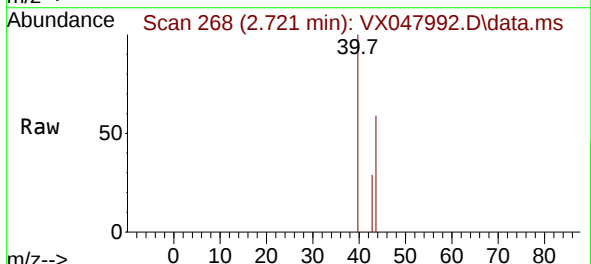
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MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

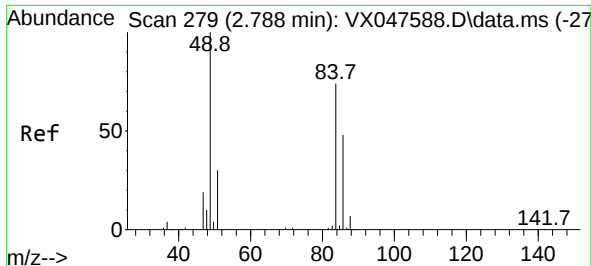
Tgt Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
58 23.8 23.4 35.0



#18
Methyl Acetate
Concen: 0.251 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.018 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

Tgt Ion: 43 Resp: 468
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

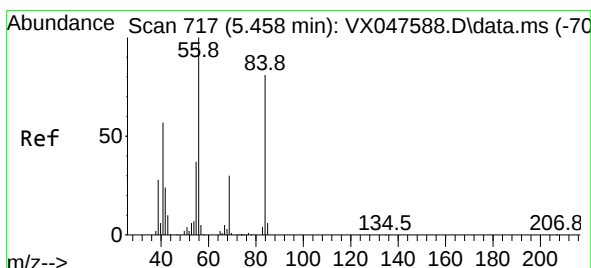
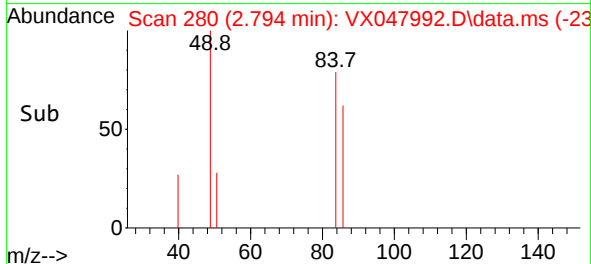
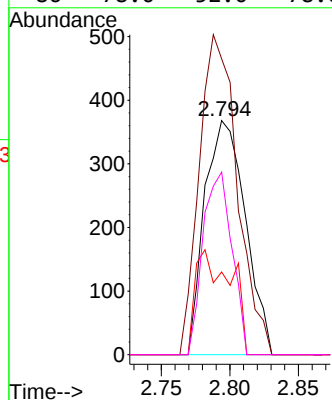
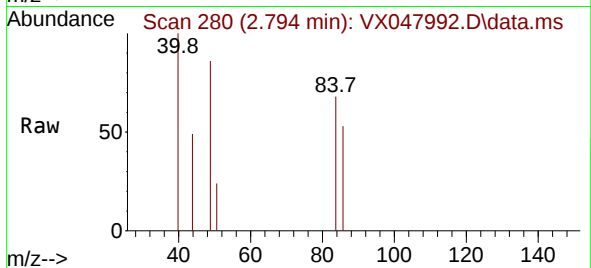




#20
Methylene Chloride
Concen: 0.428 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

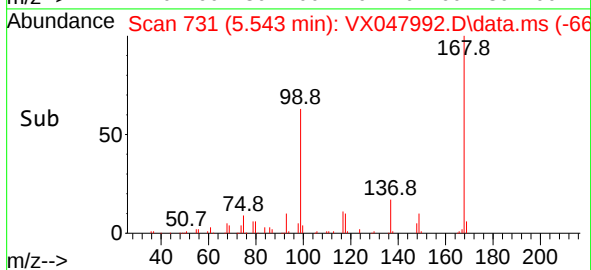
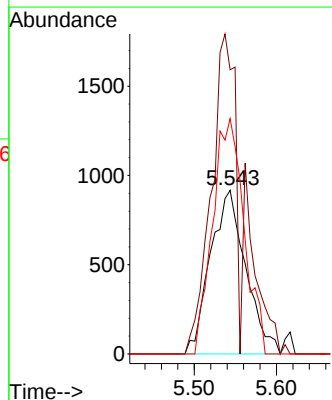
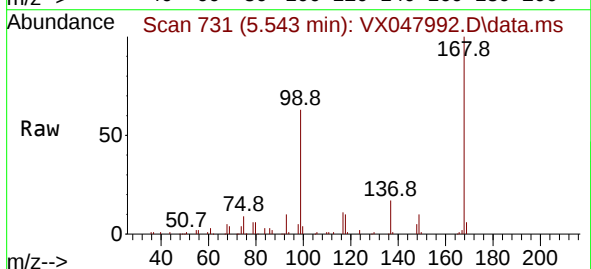
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:	84	Resp:	760
Ion	Ratio	Lower	Upper
84	100		
49	126.4	108.6	162.8
51	35.3	32.6	48.8
86	78.0	52.0	78.0



#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

Tgt Ion:	56	Resp:	2747
Ion	Ratio	Lower	Upper
56	100		
69	173.6	23.8	35.8#
84	143.8	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 55.129 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047992.D

Acq: 03 Oct 2025 14:32

Instrument :

MSVOA_X

ClientSampleId :

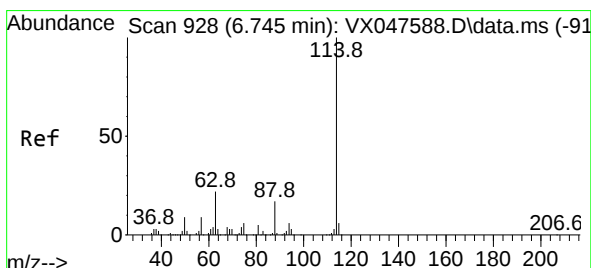
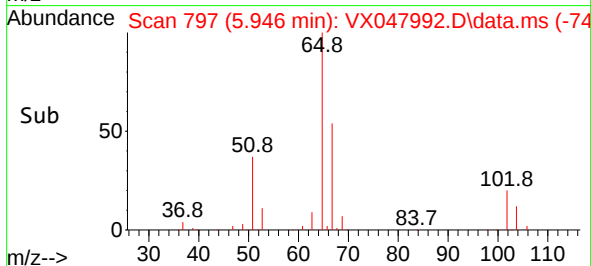
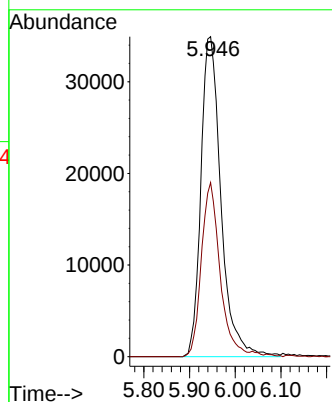
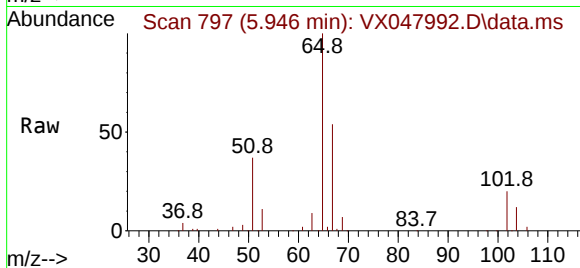
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 106296

Ion Ratio Lower Upper

65 100

67 50.5 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: VX047992.D

Acq: 03 Oct 2025 14:32

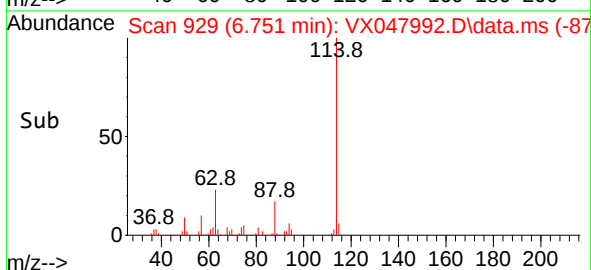
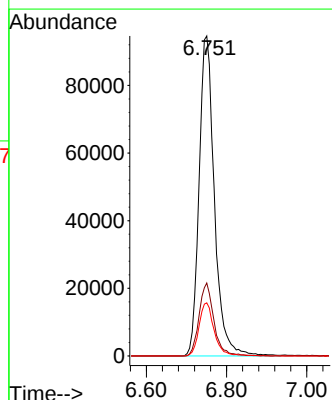
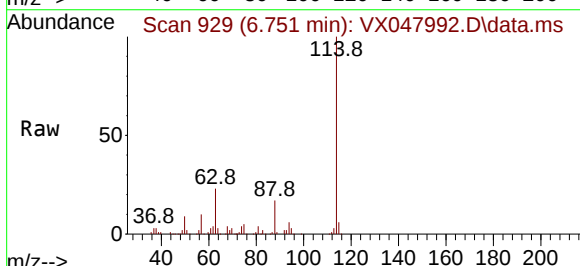
Tgt Ion: 114 Resp: 250940

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.0

88 16.6 0.0 34.2

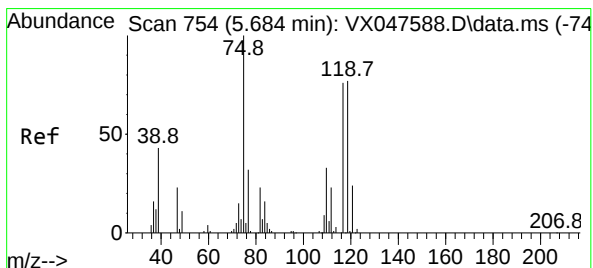
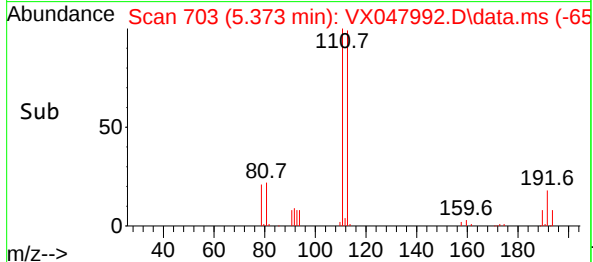
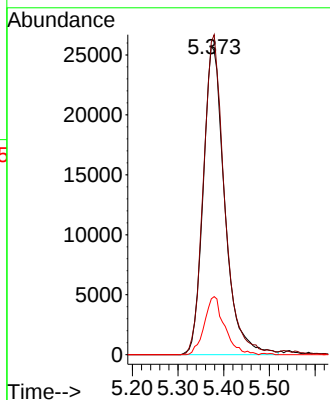
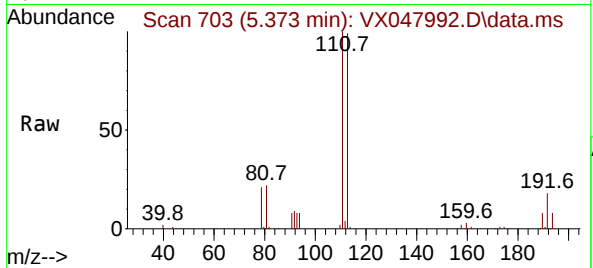




#35
Dibromofluoromethane
Concen: 49.965 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

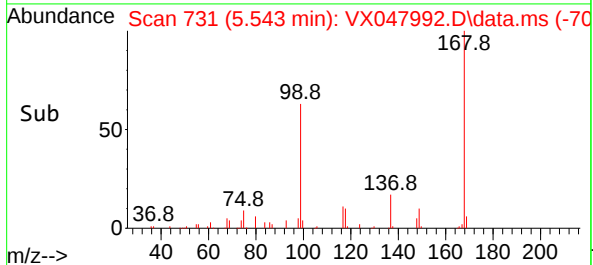
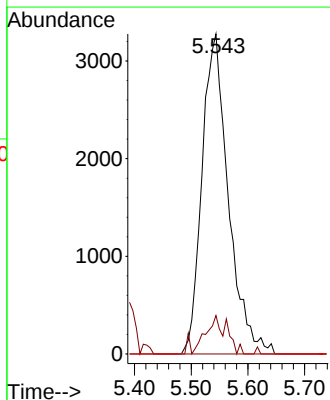
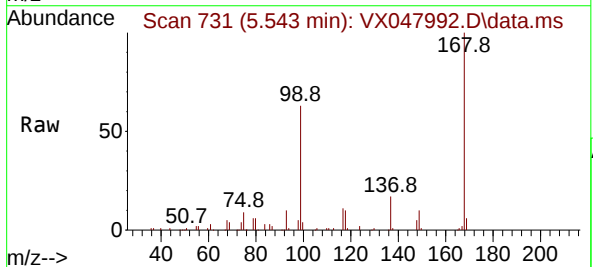
Instrument :
MSVOA_X
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Tgt Ion:113 Resp: 84088
Ion Ratio Lower Upper
113 100
111 101.6 80.9 121.3
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.295 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.141 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

Tgt Ion: 75 Resp: 10563
Ion Ratio Lower Upper
75 100
110 6.7 16.7 50.1#
77 0.0 24.3 36.5#

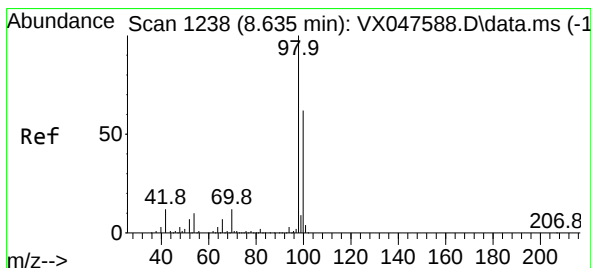
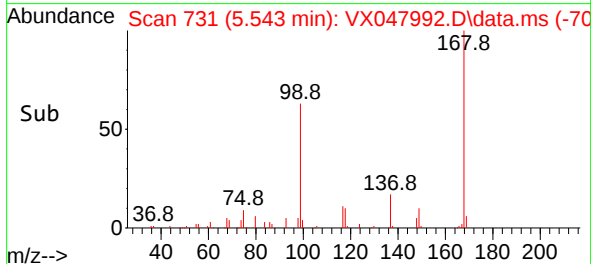
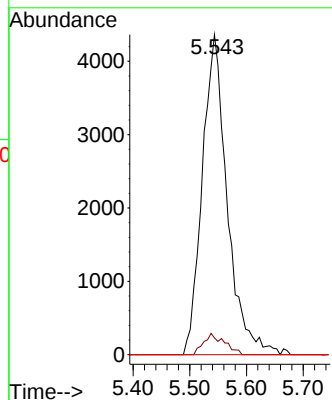
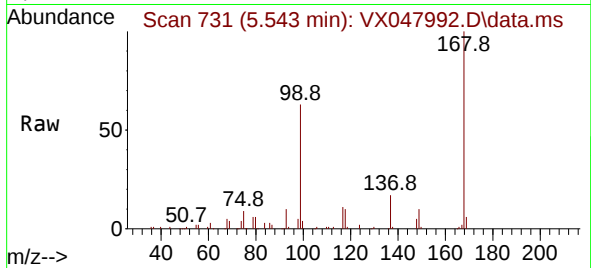




#38
Carbon Tetrachloride
Concen: 4.988 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

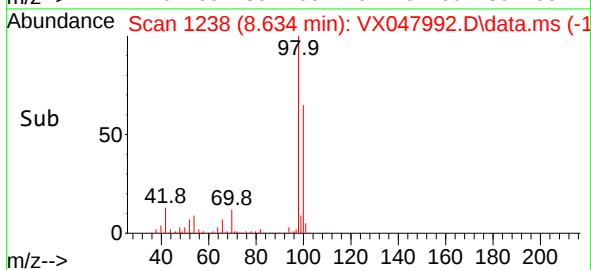
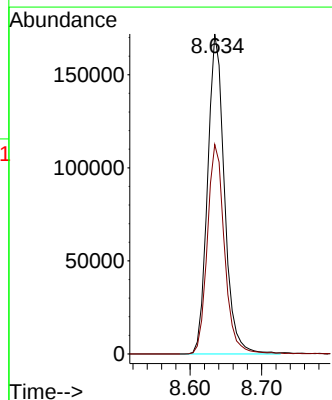
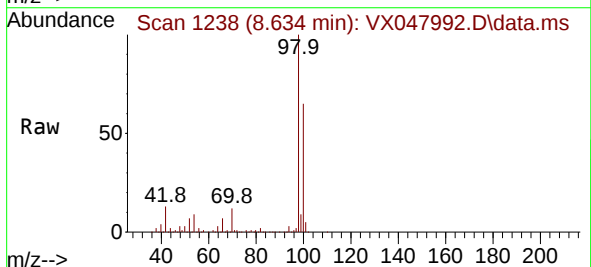
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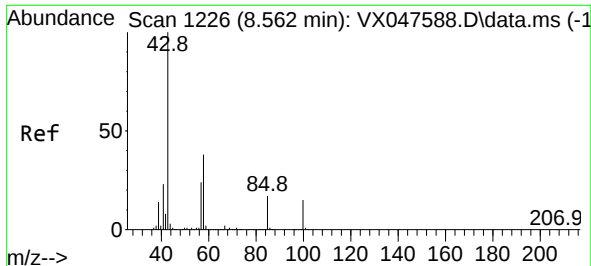
Tgt Ion:117 Resp: 13328
Ion Ratio Lower Upper
117 100
119 5.2 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.284 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

Tgt Ion: 98 Resp: 281174
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4

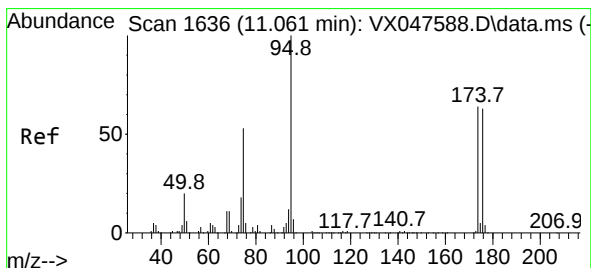
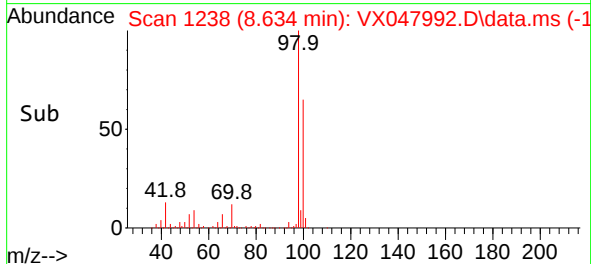
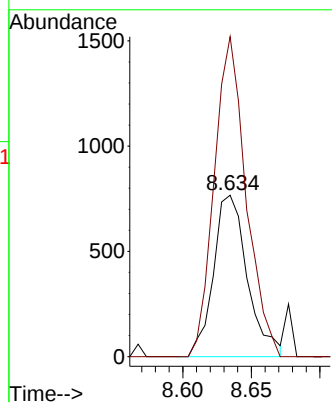
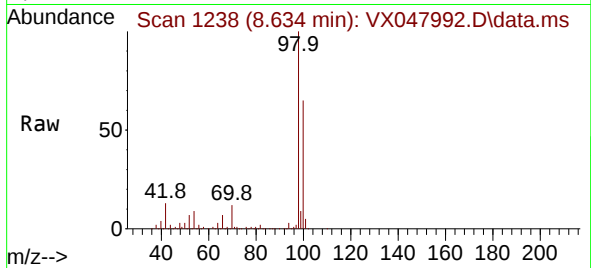




#51
4-Methyl-2-Pentanone
Concen: 0.551 ug/l
RT: 8.634 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

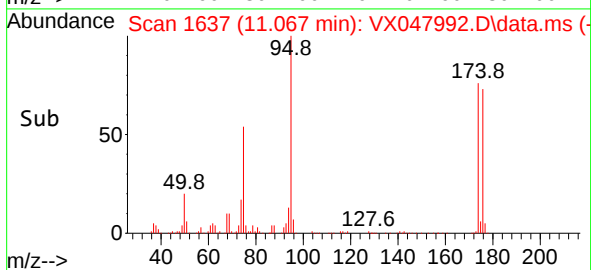
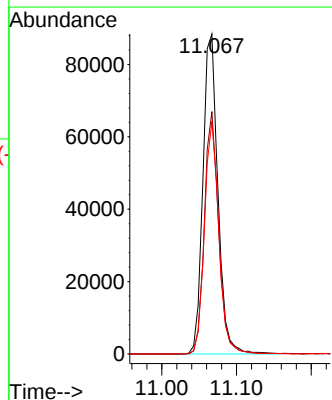
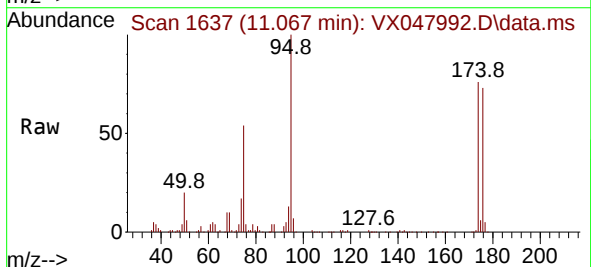
Instrument :
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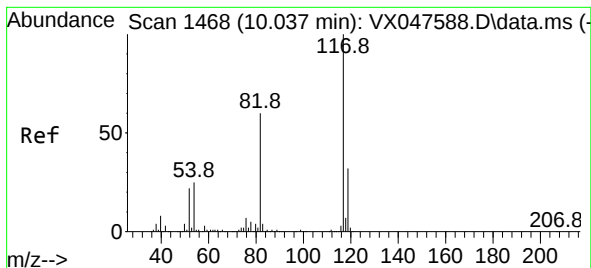
Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 186.1 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 55.729 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

Tgt Ion: 95 Resp: 123165
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.6
176 69.7 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: VX047992.D

Acq: 03 Oct 2025 14:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

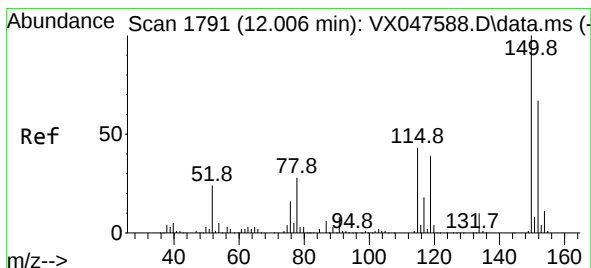
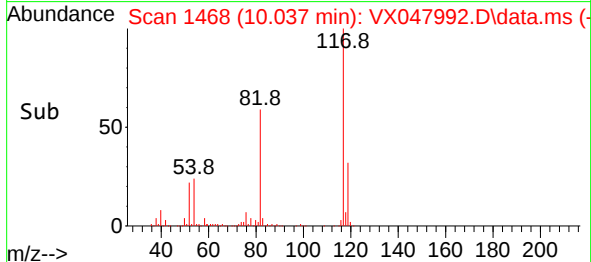
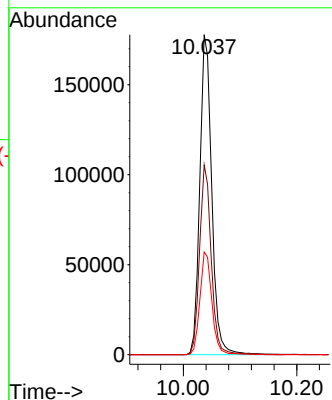
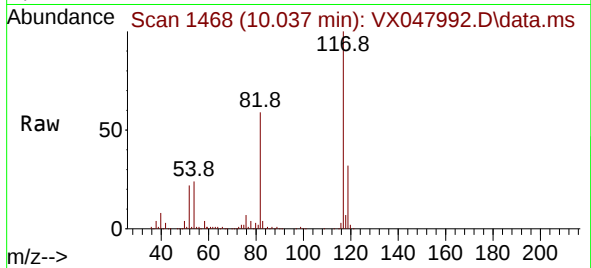
Tgt Ion:117 Resp: 259662

Ion Ratio Lower Upper

117 100

82 59.3 47.8 71.6

119 32.1 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047992.D

Acq: 03 Oct 2025 14:32

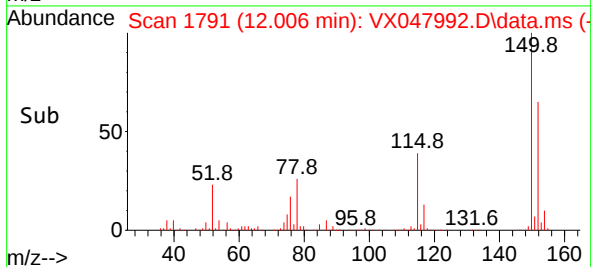
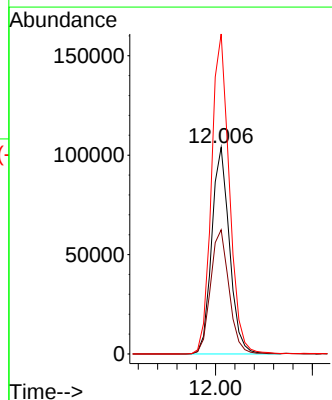
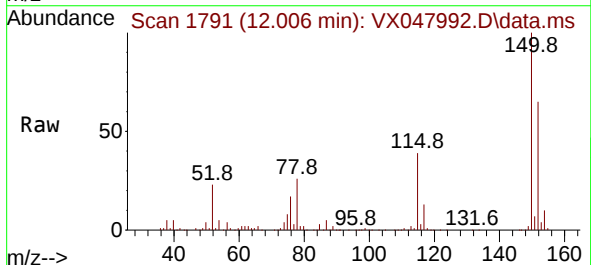
Tgt Ion:152 Resp: 132559

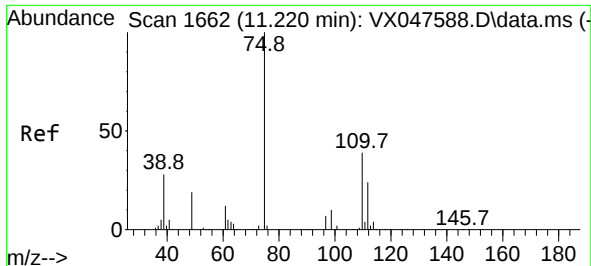
Ion Ratio Lower Upper

152 100

115 62.5 44.9 134.5

150 156.5 0.0 352.0

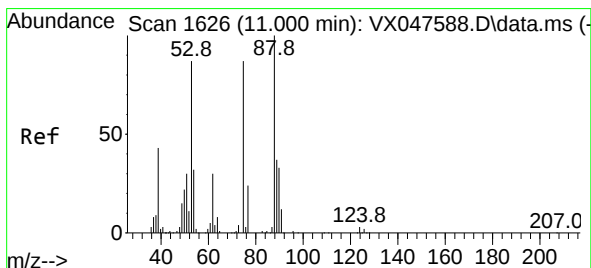
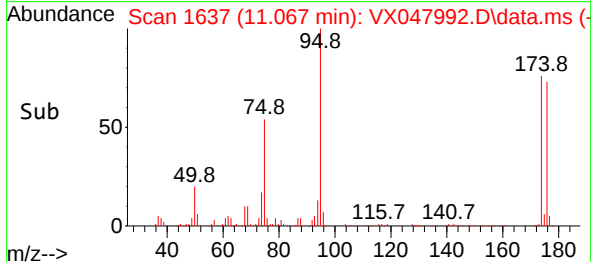
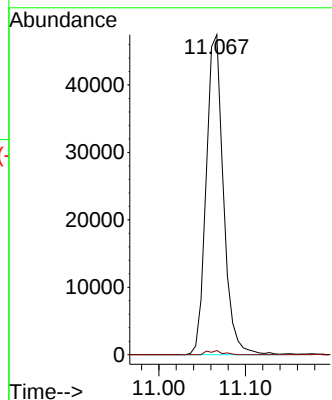
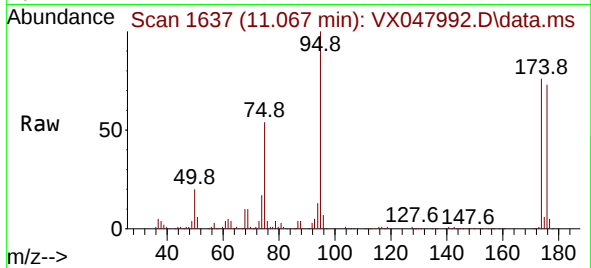




#76
1,2,3-Trichloropropane
Concen: 24.426 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.153 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

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

Tgt Ion: 75 Resp: 65556
Ion Ratio Lower Upper
75 100
77 1.1 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.289 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX047992.D
Acq: 03 Oct 2025 14:32

Tgt Ion: 75 Resp: 65556
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

