

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047499.D
 Acq On : 22 Aug 2025 15:43
 Operator : JC/MD
 Sample : Q2934-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-SW02

Quant Time: Aug 25 01:29:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	221184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	449540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	236211	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	178530	57.673	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.340%	
35) Dibromofluoromethane	5.403	113	146689	50.278	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.560%	
50) Toluene-d8	8.653	98	504540	48.383	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	11.079	95	213726	55.539	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.080%	

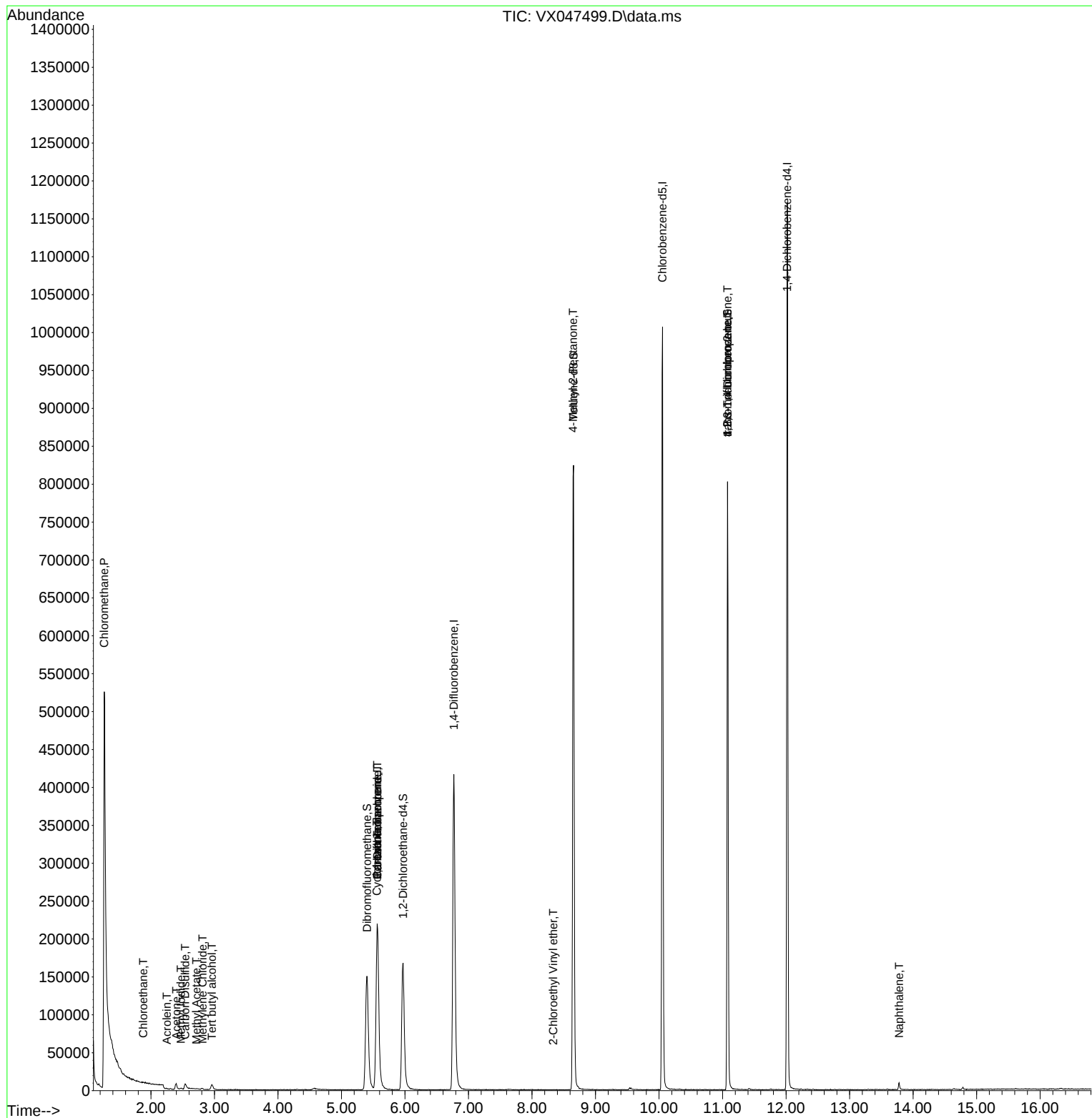
Target Compounds			Qvalue			
3) Chloromethane	1.264	50	23017	9.074	ug/l #	41
6) Chloroethane	1.880	64	1708	0.877	ug/l #	53
10) Methyl Iodide	2.471	142	1964	0.420	ug/l	92
11) Tert butyl alcohol	2.959	59	4020	14.928	ug/l #	74
13) Acrolein	2.252	56	187	0.329	ug/l #	2
16) Acetone	2.398	43	10669	9.169	ug/l	98
17) Carbon Disulfide	2.538	76	3893	0.463	ug/l #	91
18) Methyl Acetate	2.715	43	754	0.250	ug/l #	53
20) Methylene Chloride	2.812	84	653	0.212	ug/l #	70
31) Cyclohexane	5.556	56	4953	0.994	ug/l #	3
36) 1,1-Dichloropropene	5.562	75	18617	4.042	ug/l #	50
38) Carbon Tetrachloride	5.562	117	23707	4.710	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	2907	0.735	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.336	63	20	8.364	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	113234	26.137	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	113234	103.606	ug/l #	7
95) Naphthalene	13.780	128	7330	0.467	ug/l #	92

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

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MSVOA_X
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Quant Time: Aug 25 01:29:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
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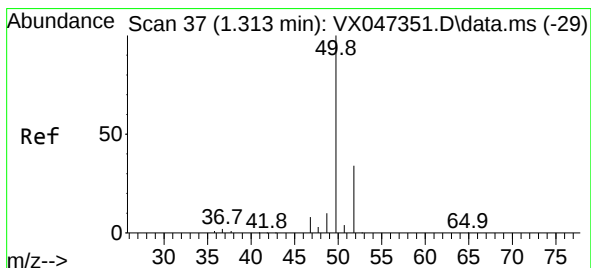
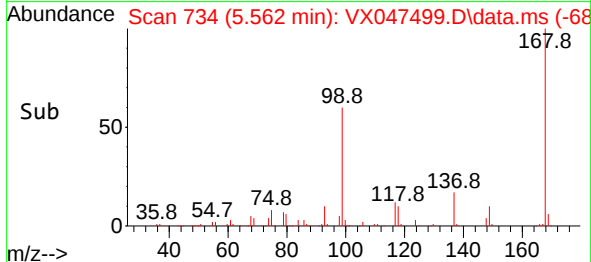
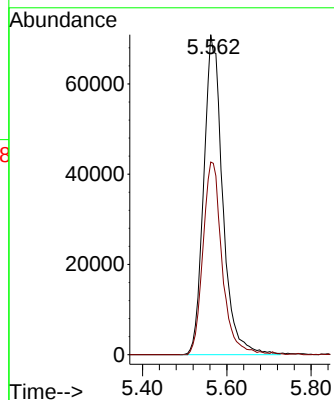
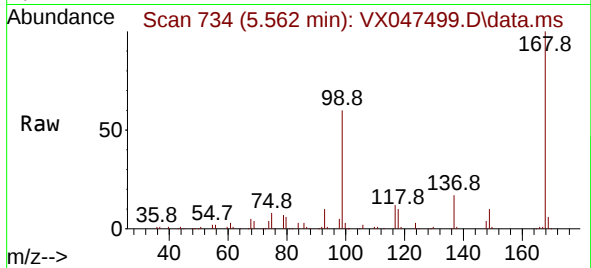




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

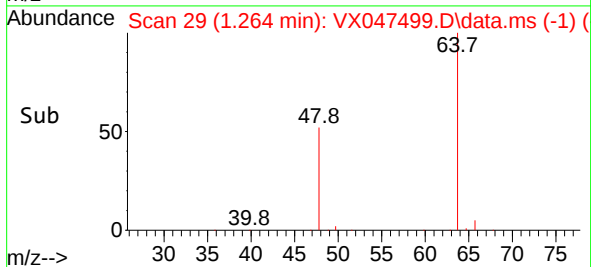
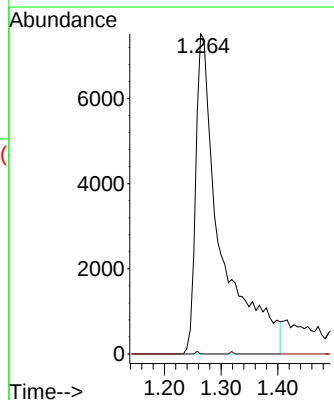
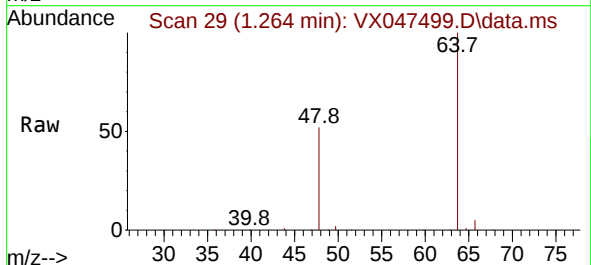
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

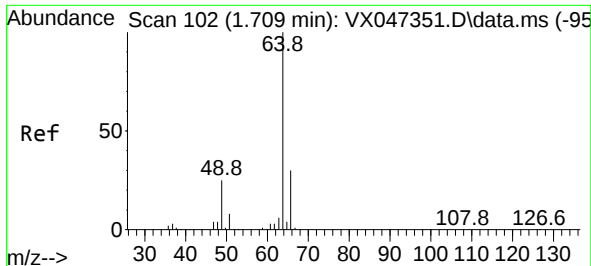
Tgt Ion:168 Resp: 221184
Ion Ratio Lower Upper
168 100
99 60.2 47.9 71.9



#3
Chloromethane
Concen: 9.074 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 50 Resp: 23017
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

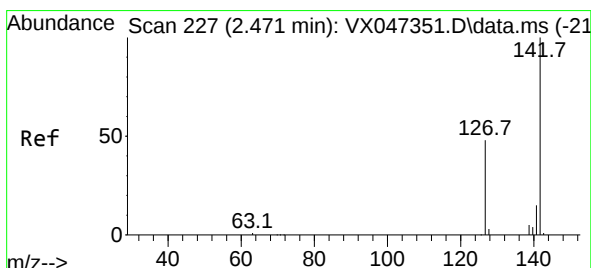
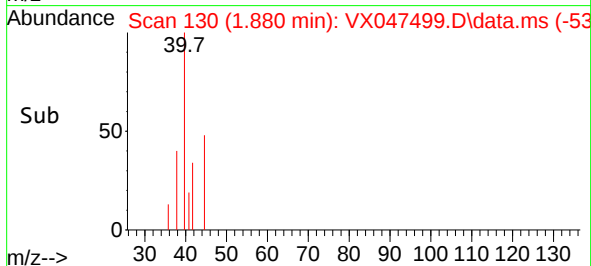
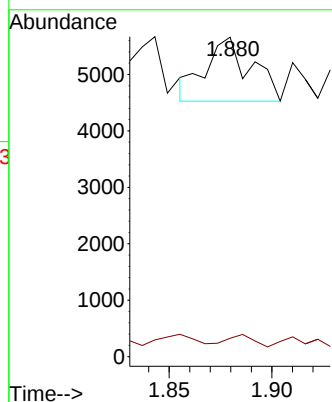
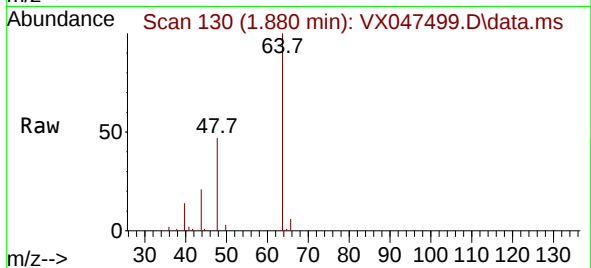




#6
Chloroethane
Concen: 0.877 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.171 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

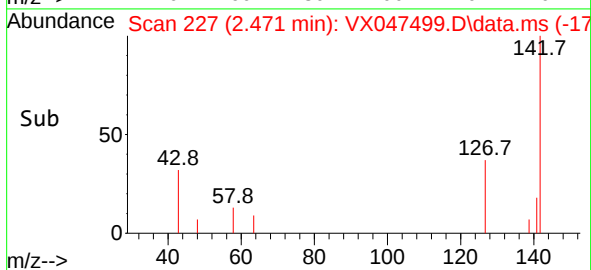
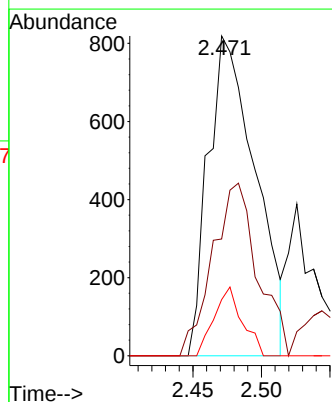
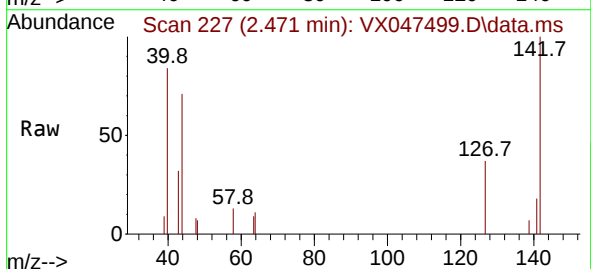
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

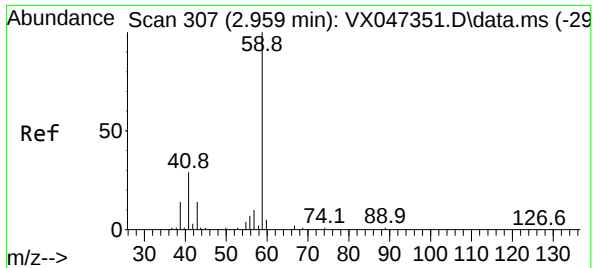
Tgt Ion: 64 Resp: 1708
Ion Ratio Lower Upper
64 100
66 5.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.420 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion:142 Resp: 1964
Ion Ratio Lower Upper
142 100
127 51.4 36.1 54.1
141 12.8 11.1 16.7

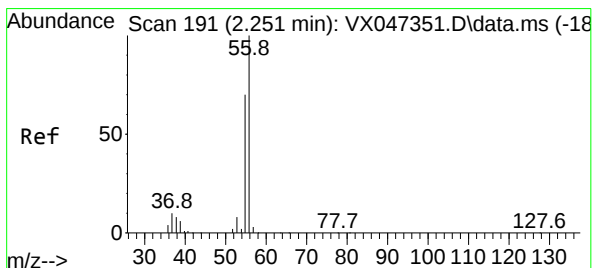
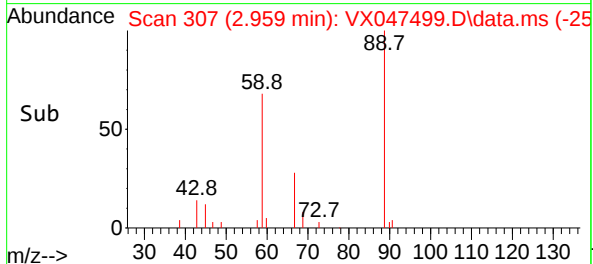
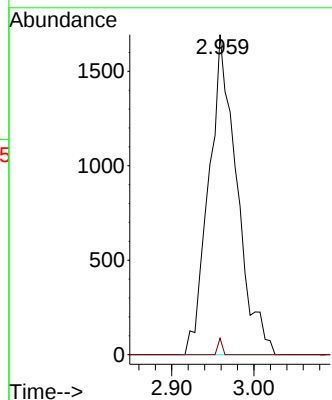
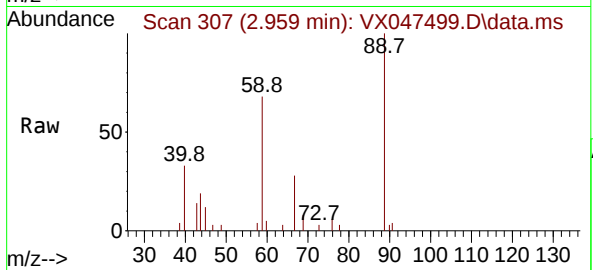




#11
Tert butyl alcohol
Concen: 14.928 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

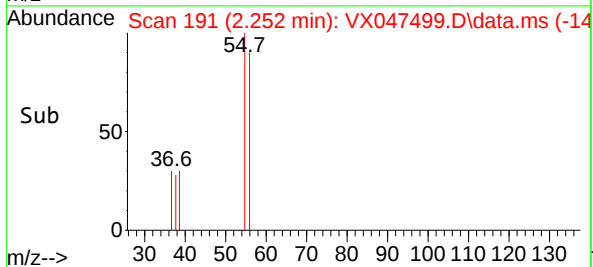
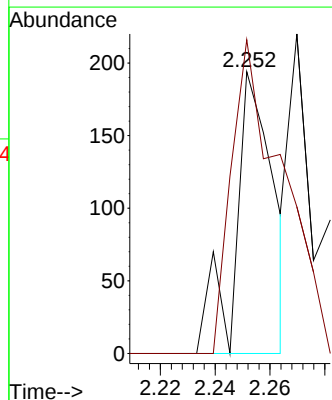
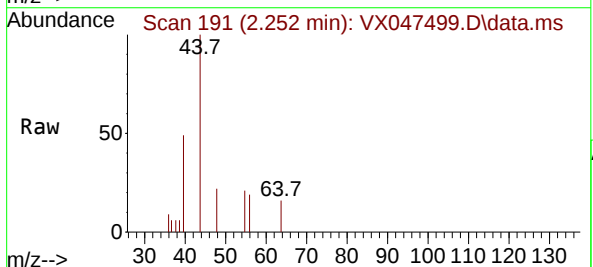
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

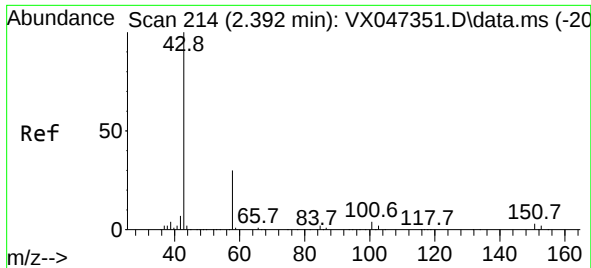
Tgt Ion: 59 Resp: 4020
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#



#13
Acrolein
Concen: 0.329 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 149.7 55.5 83.3#

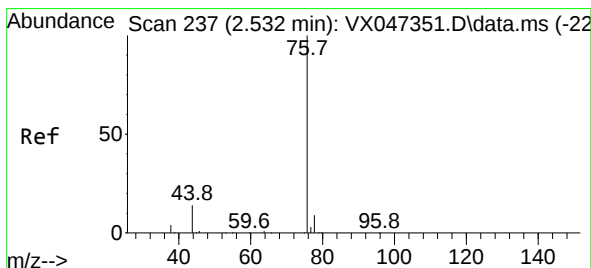
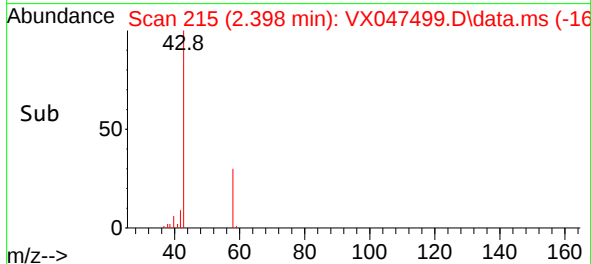
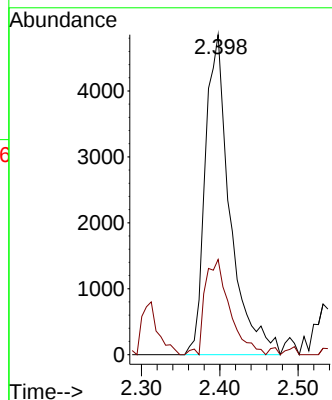
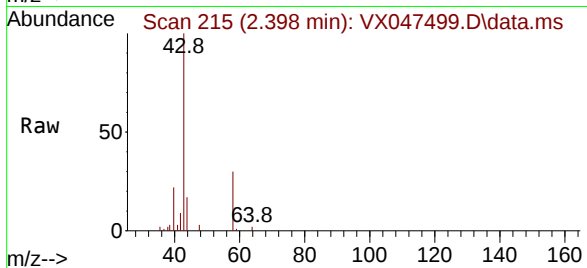




#16
Acetone
Concen: 9.169 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

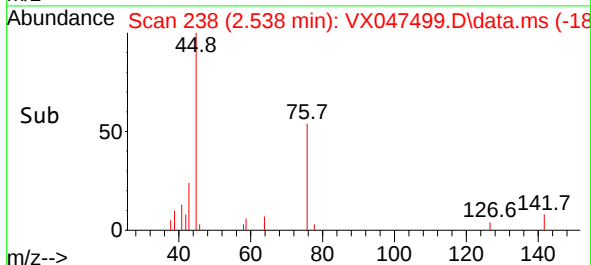
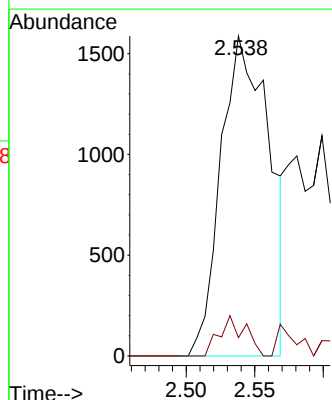
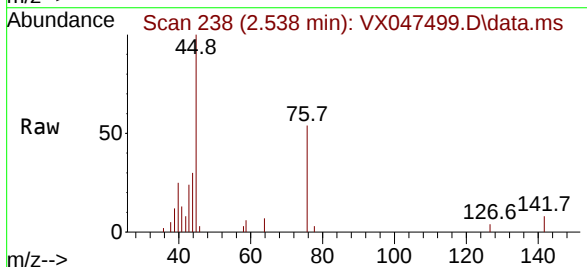
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

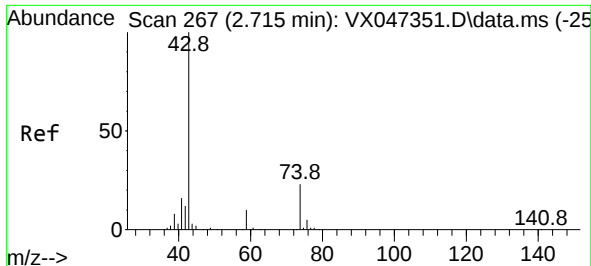
Tgt Ion: 43 Resp: 10669
Ion Ratio Lower Upper
43 100
58 29.8 24.8 37.2



#17
Carbon Disulfide
Concen: 0.463 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 76 Resp: 3893
Ion Ratio Lower Upper
76 100
78 5.7 7.2 10.8#

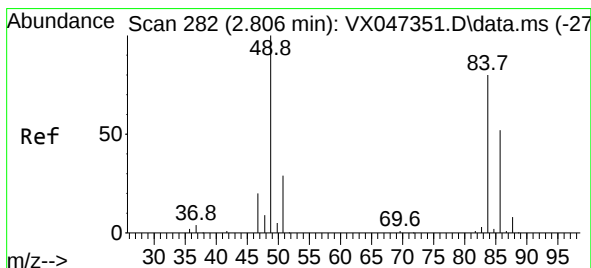
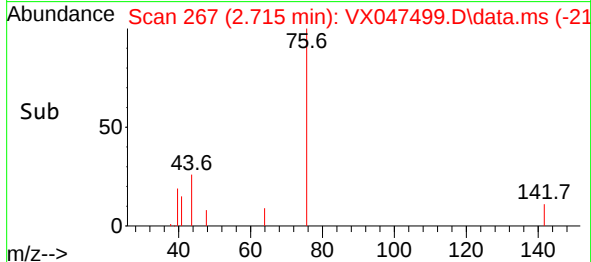
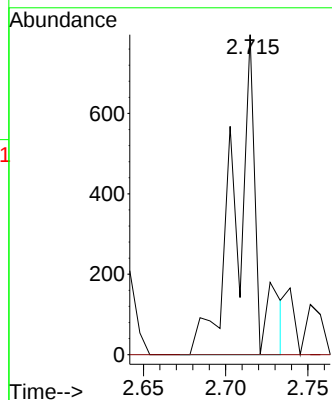
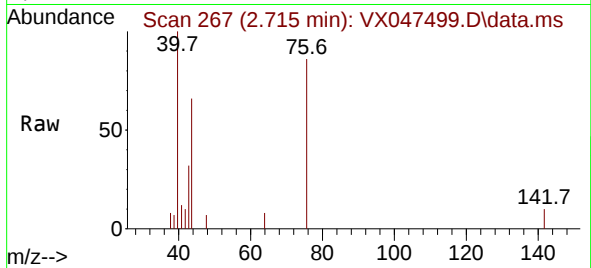




#18
Methyl Acetate
Concen: 0.250 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

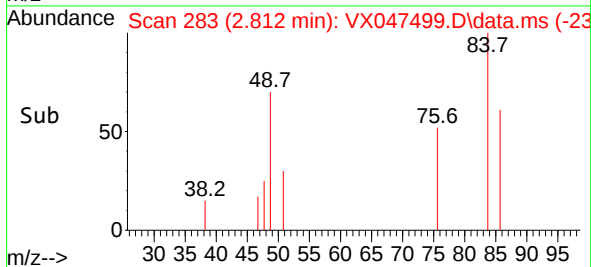
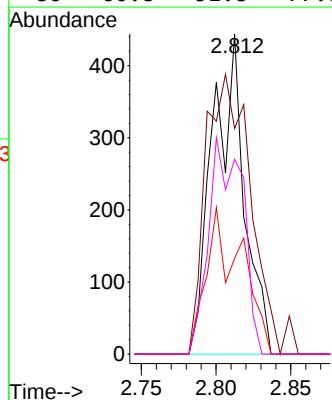
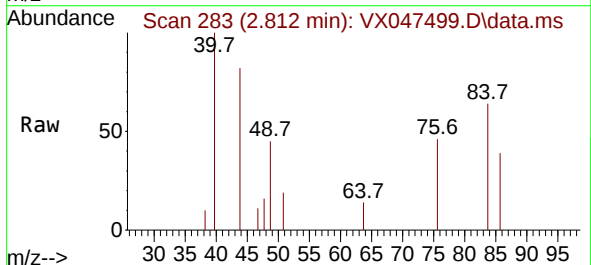
Instrument :
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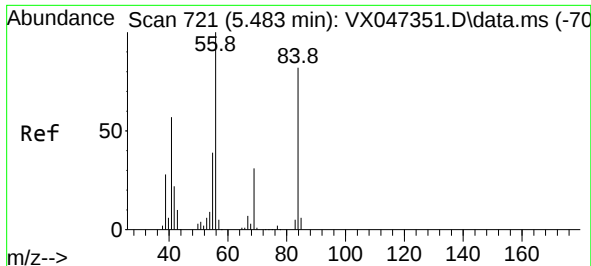
Tgt Ion: 43 Resp: 754
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



#20
Methylene Chloride
Concen: 0.212 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 84 Resp: 653
Ion Ratio Lower Upper
84 100
49 70.5 100.1 150.1#
51 30.0 29.5 44.3
86 60.8 51.8 77.8

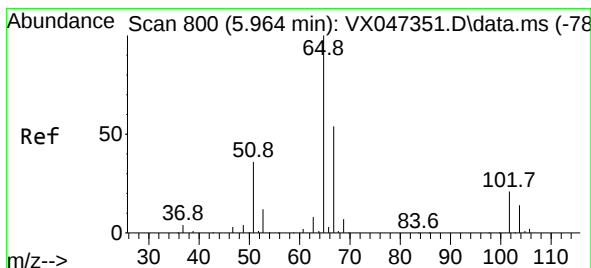
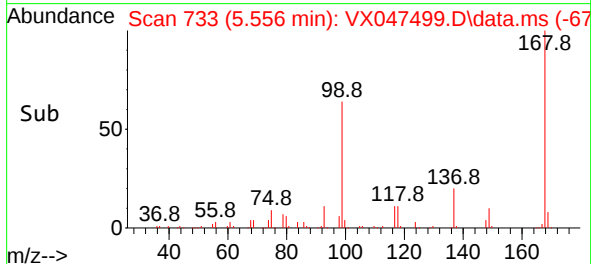
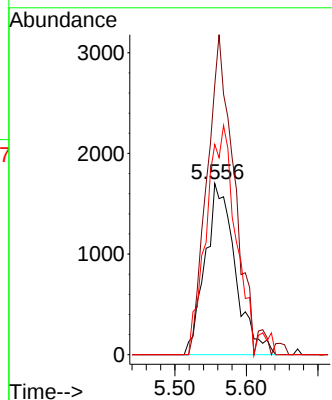
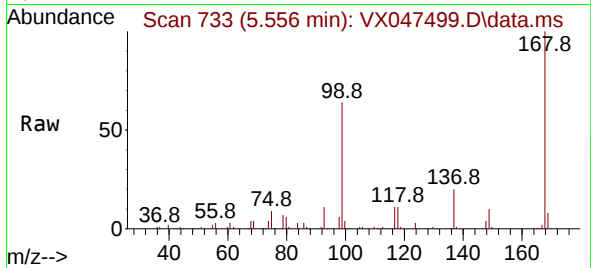




#31
Cyclohexane
Concen: 0.994 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

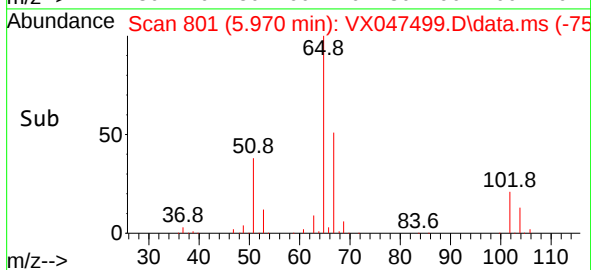
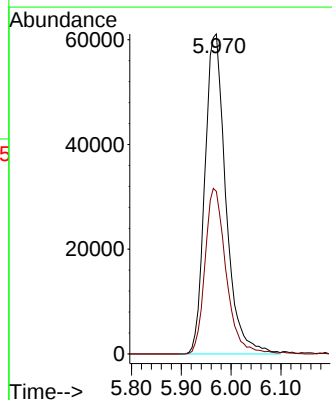
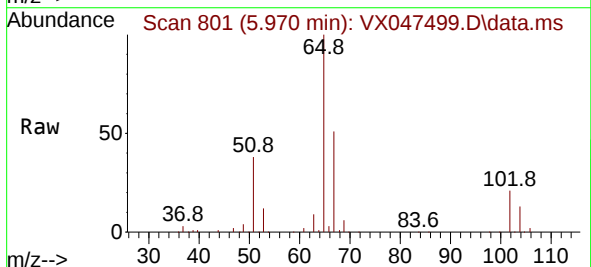
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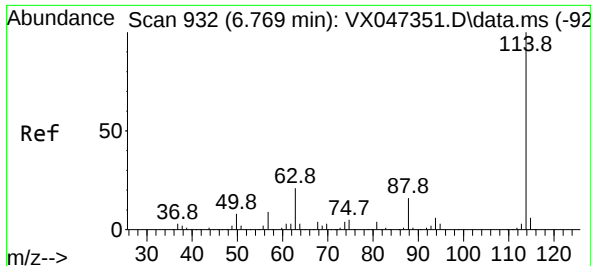
Tgt Ion: 56 Resp: 4953
Ion Ratio Lower Upper
56 100
69 157.5 24.3 36.5#
84 122.7 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 57.673 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 65 Resp: 178530
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.0

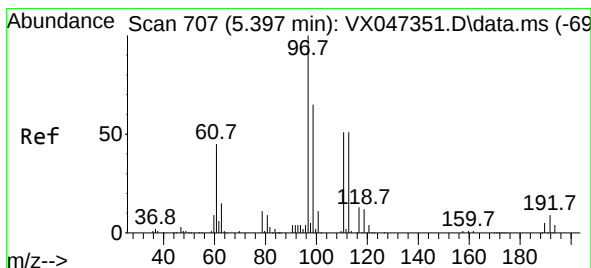
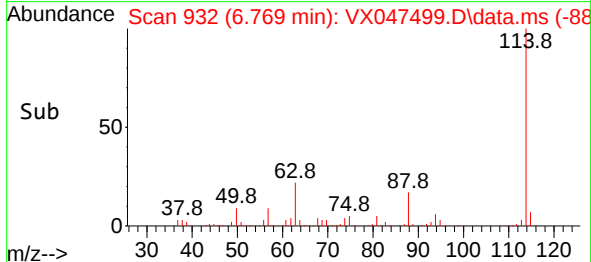
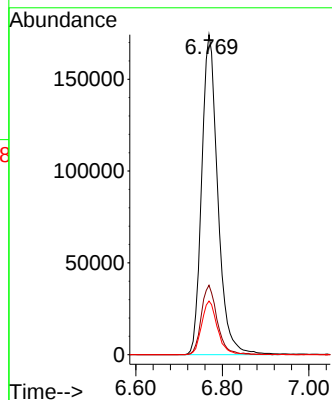
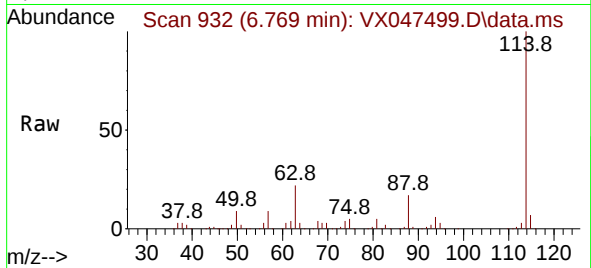




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

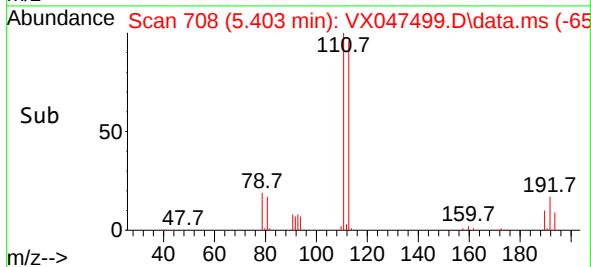
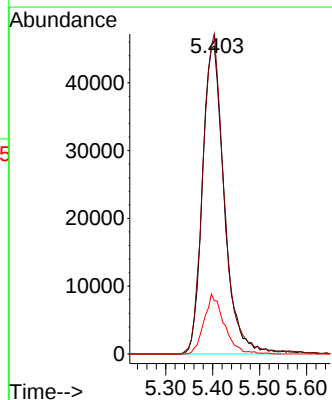
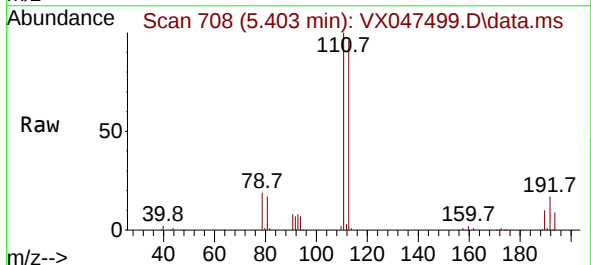
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

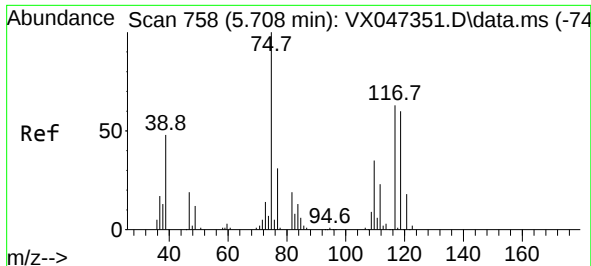
Tgt Ion:114 Resp: 449540
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.4
88 16.8 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.278 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion:113 Resp: 146689
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.2
192 18.0 14.1 21.1

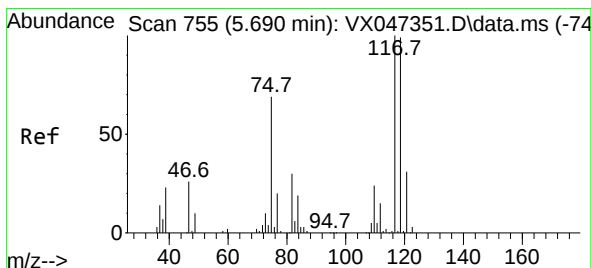
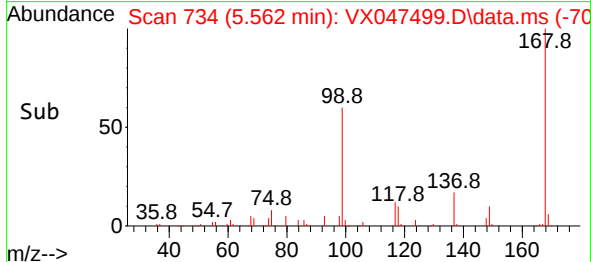
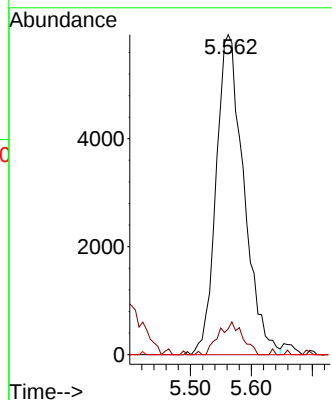
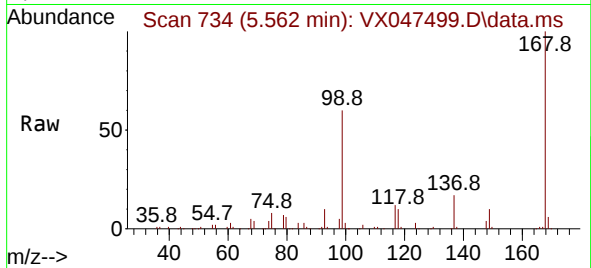




#36
1,1-Dichloropropene
Concen: 4.042 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.146 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

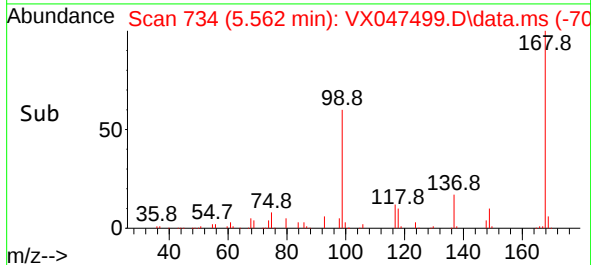
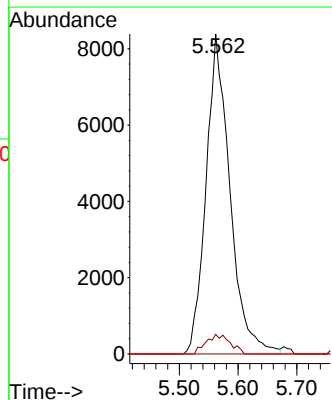
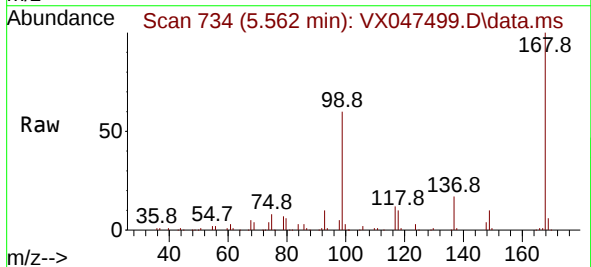
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

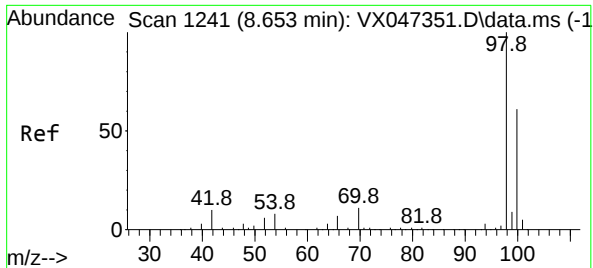
Tgt Ion: 75 Resp: 18617
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.710 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 117 Resp: 23707
Ion Ratio Lower Upper
117 100
119 6.2 78.5 117.7#
121 0.0 24.7 37.1#

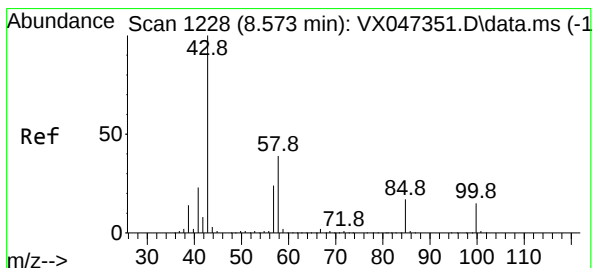
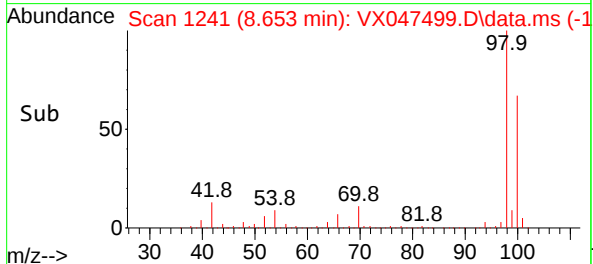
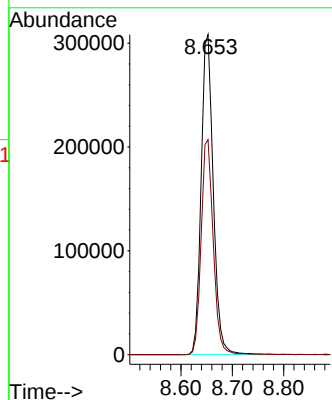
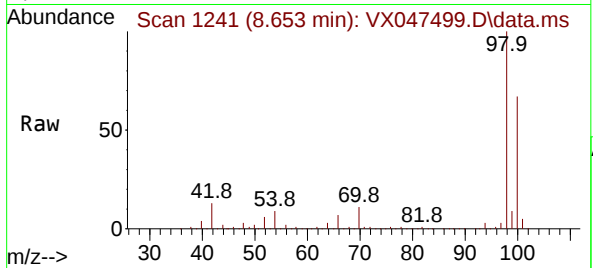




#50
Toluene-d8
Concen: 48.383 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

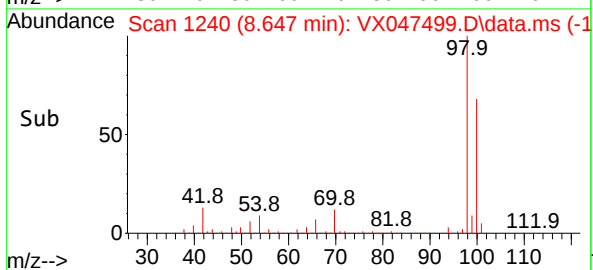
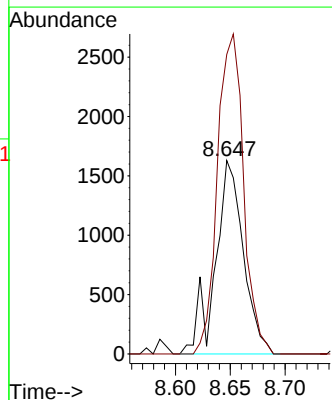
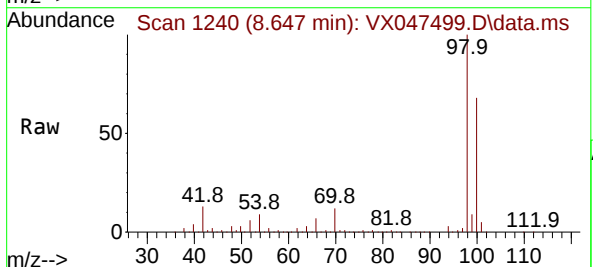
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

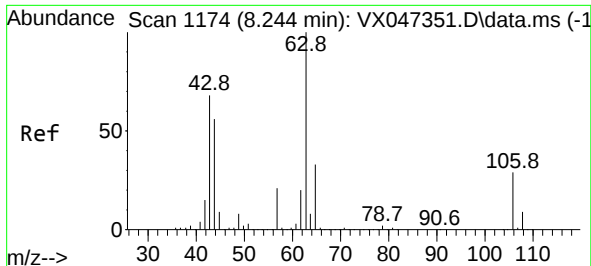
Tgt Ion: 98 Resp: 504540
Ion Ratio Lower Upper
98 100
100 67.1 53.9 80.9



#51
4-Methyl-2-Pentanone
Concen: 0.735 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 43 Resp: 2907
Ion Ratio Lower Upper
43 100
58 153.5 31.2 46.8#

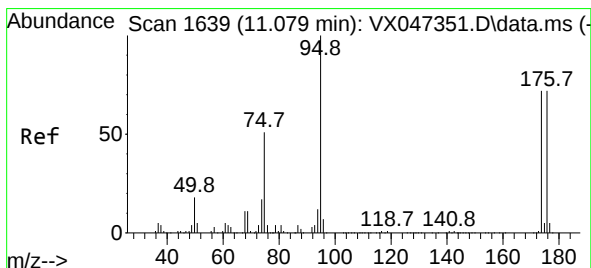
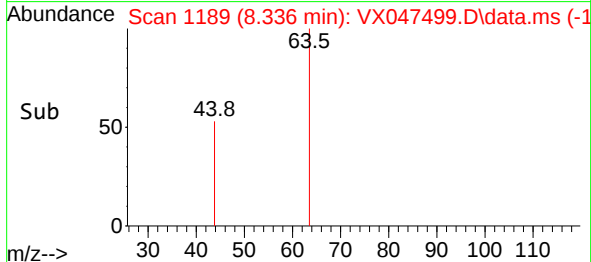
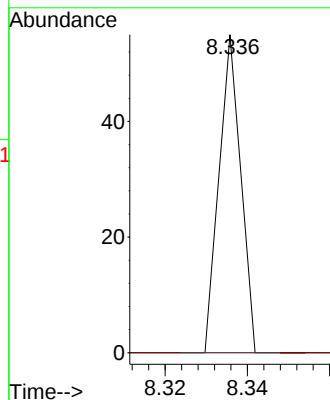
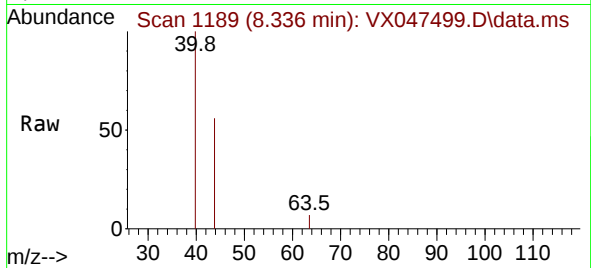




#58
2-Chloroethyl Vinyl ether
Concen: 8.364 ug/l
RT: 8.336 min Scan# 1189
Delta R.T. 0.091 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

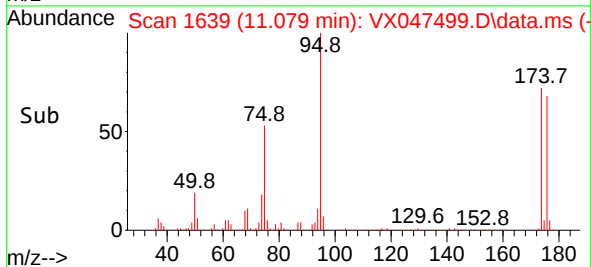
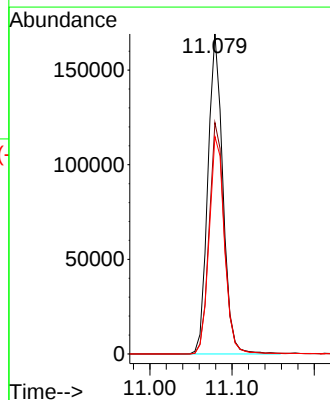
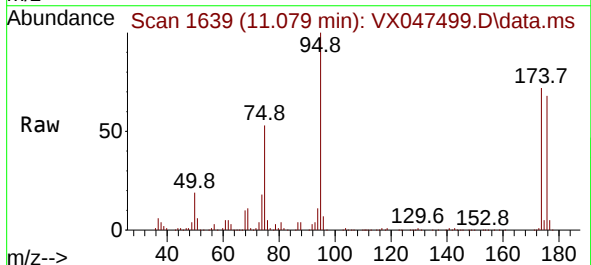
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

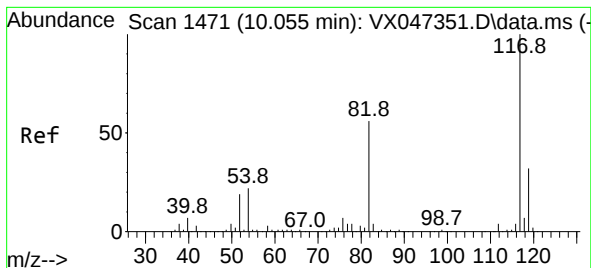
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 55.539 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 95 Resp: 213726
Ion Ratio Lower Upper
95 100
174 73.6 0.0 148.0
176 69.5 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047499.D

Acq: 22 Aug 2025 15:43

Instrument :

MSVOA_X

ClientSampleId :

ENV-SW02

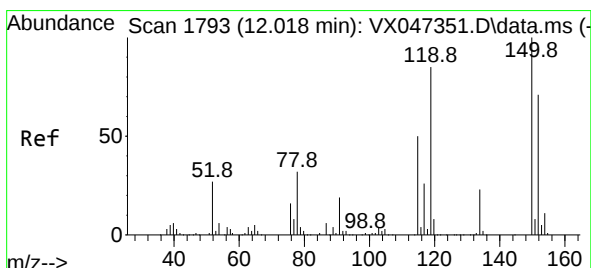
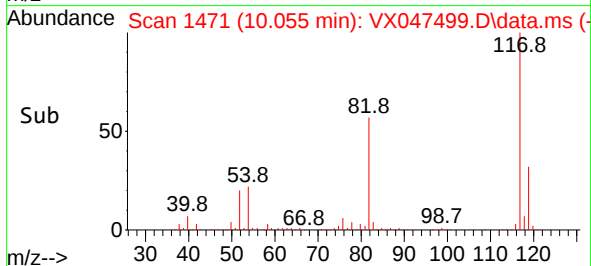
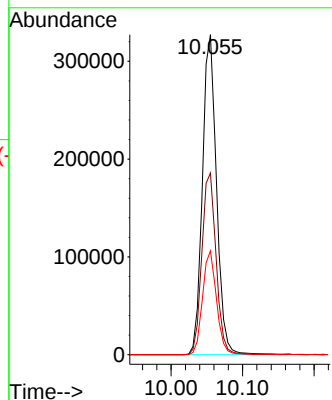
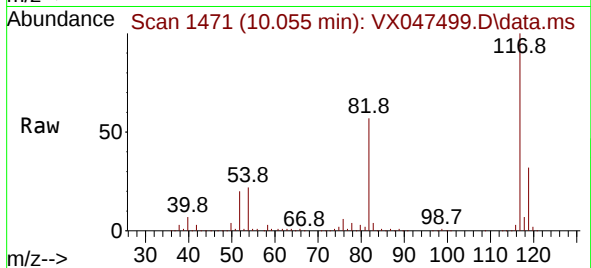
Tgt Ion:117 Resp: 448300

Ion Ratio Lower Upper

117 100

82 56.8 45.0 67.4

119 32.5 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: VX047499.D

Acq: 22 Aug 2025 15:43

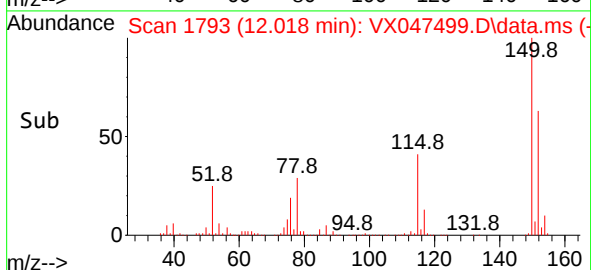
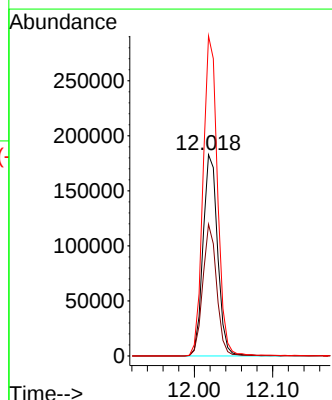
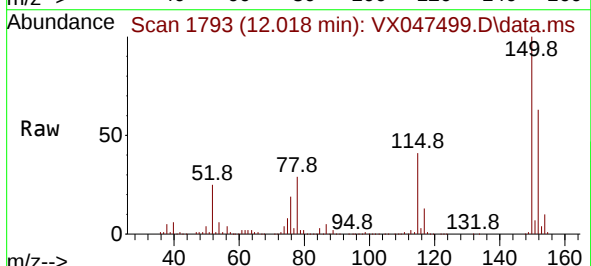
Tgt Ion:152 Resp: 236211

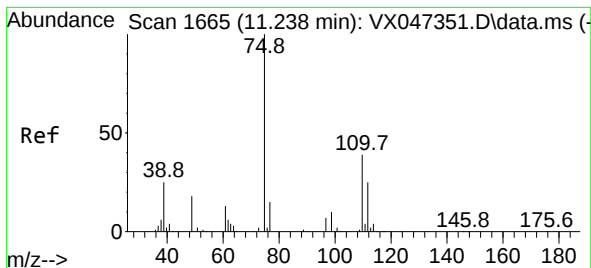
Ion Ratio Lower Upper

152 100

115 62.5 44.6 133.8

150 157.6 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 26.137 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047499.D

Acq: 22 Aug 2025 15:43

Instrument :

MSVOA_X

ClientSampleId :

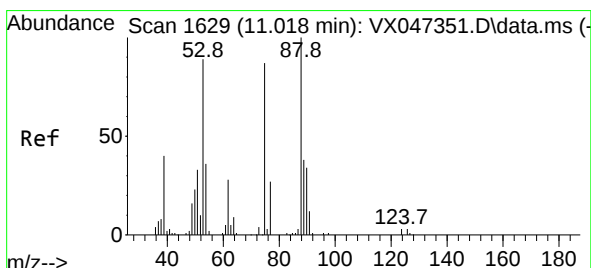
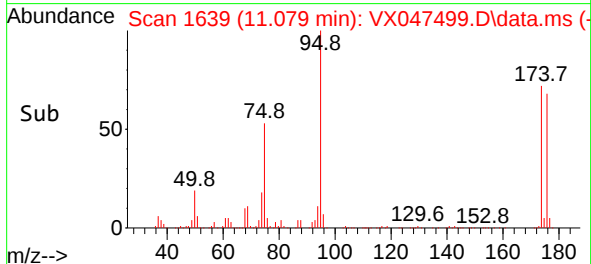
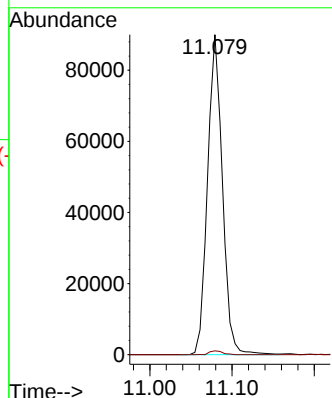
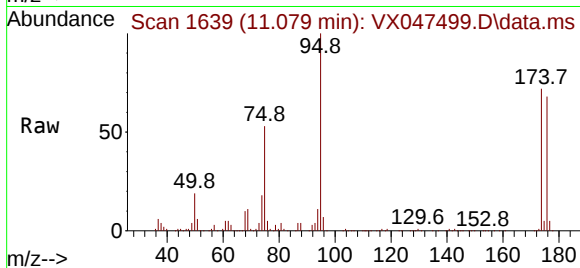
ENV-SW02

Tgt Ion: 75 Resp: 113234

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.606 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047499.D

Acq: 22 Aug 2025 15:43

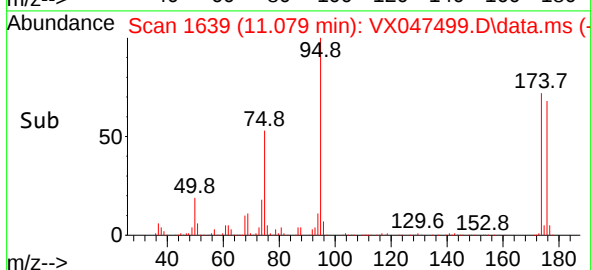
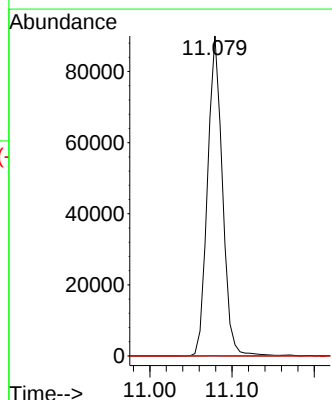
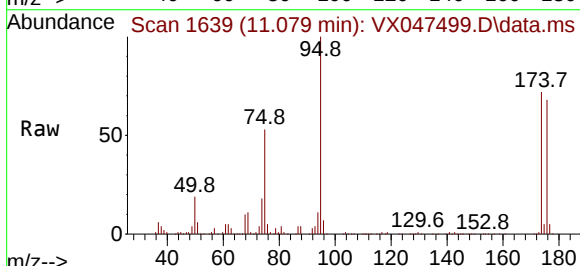
Tgt Ion: 75 Resp: 113234

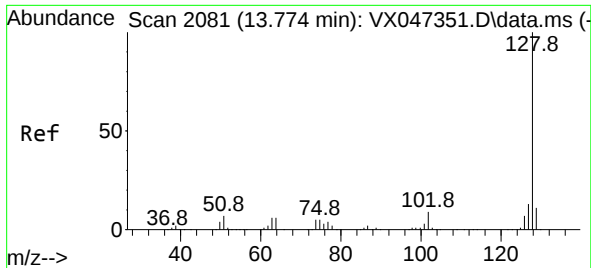
Ion Ratio Lower Upper

75 100

53 0.0 85.2 127.8#

89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 0.467 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX047499.D

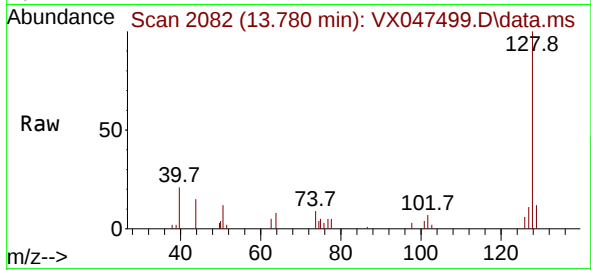
Acq: 22 Aug 2025 15:43

Instrument :

MSVOA_X

ClientSampleId :

ENV-SW02



Tgt Ion:128 Resp: 7330

Ion Ratio Lower Upper

128 100

127 8.1 10.1 15.1#

129 9.3 8.7 13.1

