

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045172.D
 Acq On : 06 Mar 2025 16:39
 Operator : JC/MD
 Sample : Q1488-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-102-SB01

Quant Time: Mar 07 00:46:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

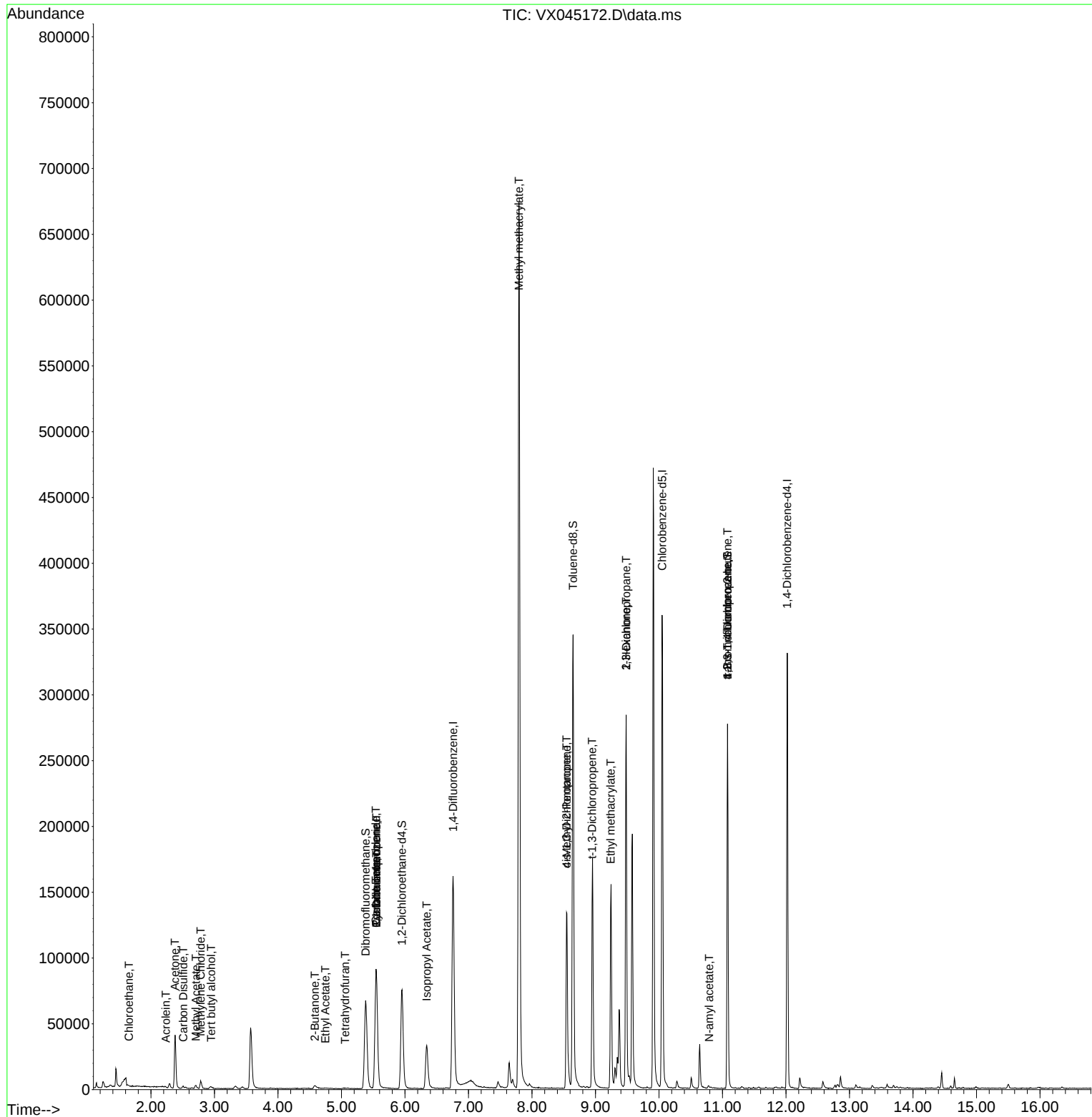
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	84608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167928	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72361	53.767	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.540%	
35) Dibromofluoromethane	5.379	113	57808	51.481	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.960%	
50) Toluene-d8	8.647	98	208160	51.134	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.260%	
62) 4-Bromofluorobenzene	11.079	95	70449	52.225	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.440%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	130	0.218	ug/l #	41
11) Tert butyl alcohol	2.947	59	1308	5.131	ug/l #	73
13) Acrolein	2.233	56	337	1.144	ug/l #	58
16) Acetone	2.380	43	43675	69.945	ug/l	99
17) Carbon Disulfide	2.508	76	2079	0.751	ug/l	96
18) Methyl Acetate	2.709	43	3472	2.311	ug/l	99
20) Methylene Chloride	2.782	84	2563	2.072	ug/l #	90
25) 2-Butanone	4.581	43	5867	6.242	ug/l	93
29) Tetrahydrofuran	5.056	42	333	0.528	ug/l #	40
31) Cyclohexane	5.550	56	2318	1.266	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	7612	4.943	ug/l #	50
37) Ethyl Acetate	4.745	43	1263	0.636	ug/l #	72
38) Carbon Tetrachloride	5.544	117	9150	5.853	ug/l #	15
43) Isopropyl Acetate	6.342	43	49551	16.887	ug/l	98
48) Methyl methacrylate	7.793	41	61963	42.093	ug/l #	46
51) 4-Methyl-2-Pentanone	8.543	43	54743	27.786	ug/l #	48
53) t-1,3-Dichloropropene	8.946	75	333	0.230	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	21832	12.920	ug/l #	69
56) Ethyl methacrylate	9.238	69	414	0.232	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2514	1.237	ug/l #	43
59) 2-Hexanone	9.482	43	35769	25.058	ug/l #	55
74) N-amyl acetate	10.787	43	1258	0.545	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	38271	26.085	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	38271	89.267	ug/l #	6

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

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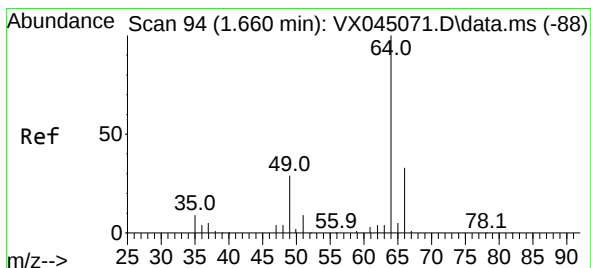
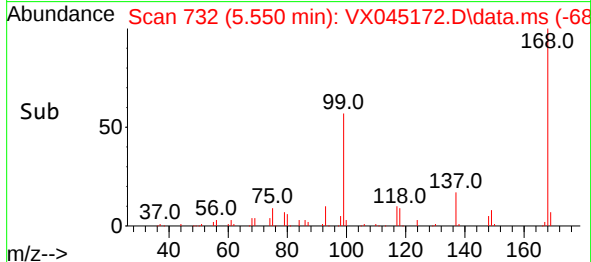
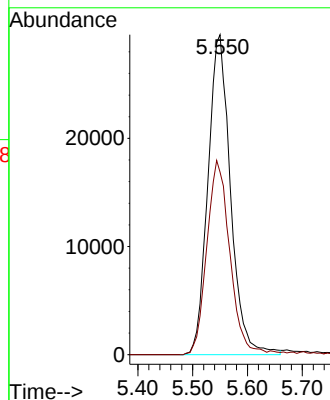
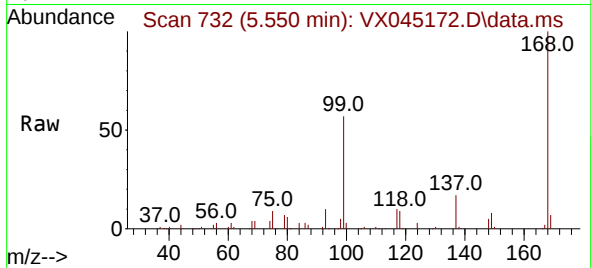




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

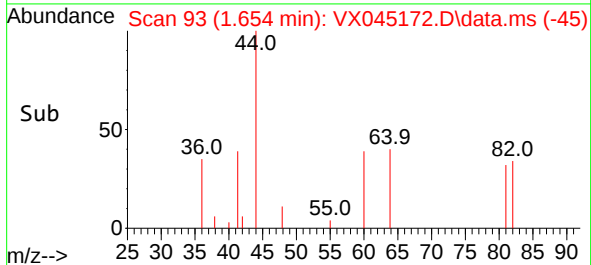
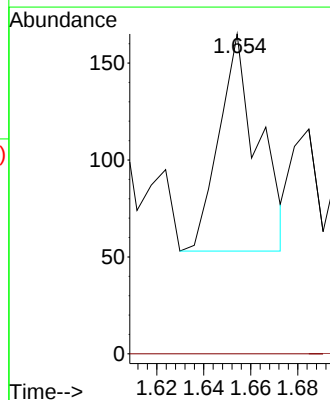
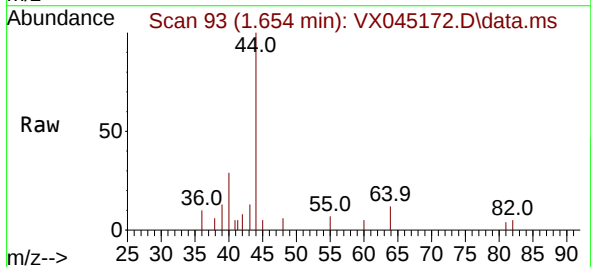
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB01

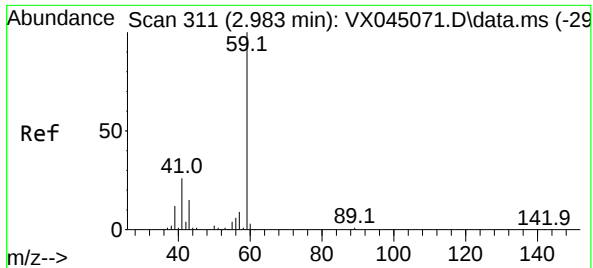
Tgt Ion:168 Resp: 84608
Ion Ratio Lower Upper
168 100
99 57.0 48.2 72.4



#6
Chloroethane
Concen: 0.218 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 64 Resp: 130
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#

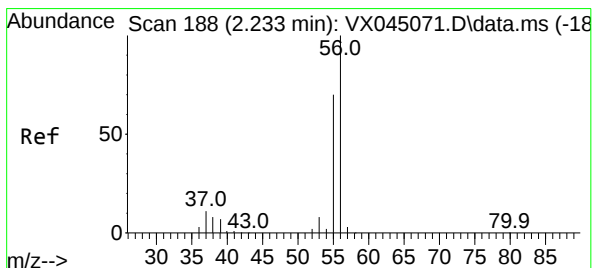
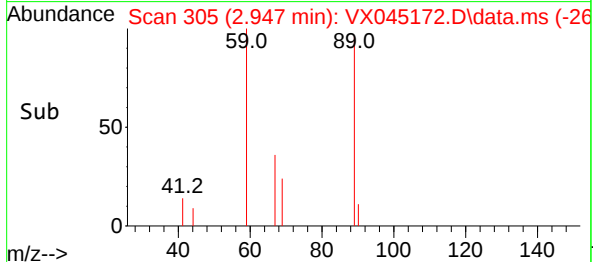
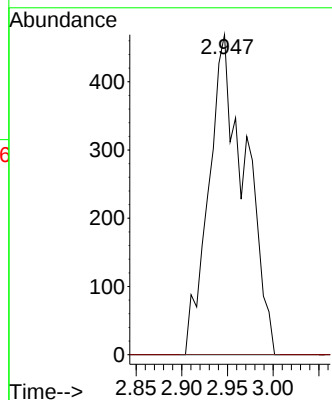
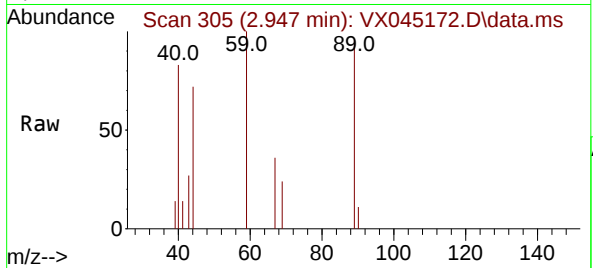




#11
Tert butyl alcohol
Concen: 5.131 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

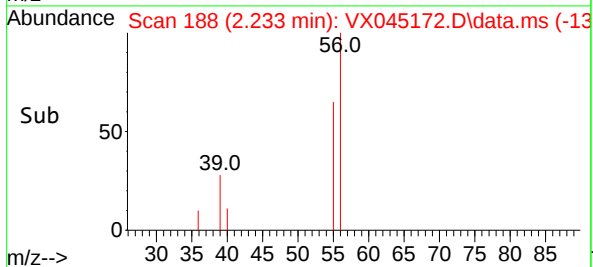
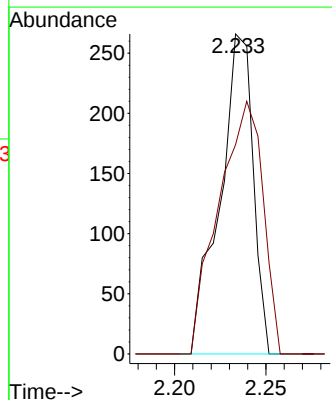
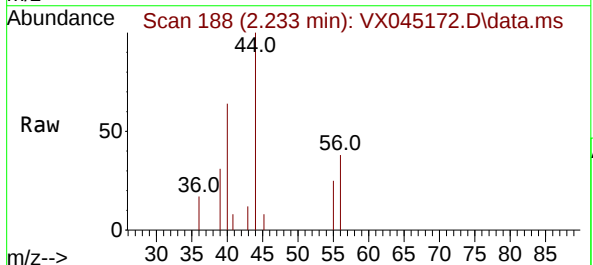
Instrument :
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Tgt Ion: 59 Resp: 1308
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.144 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 56 Resp: 337
Ion Ratio Lower Upper
56 100
55 105.0 56.2 84.4#

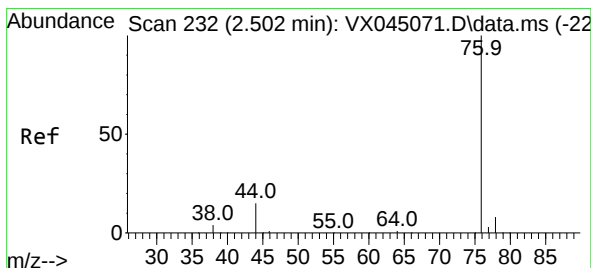
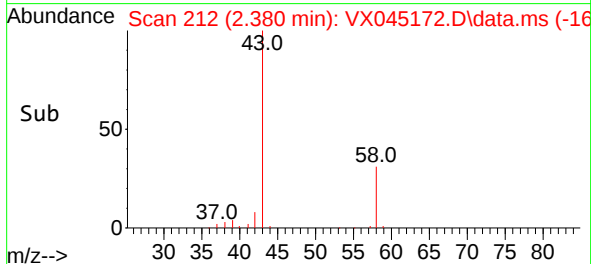
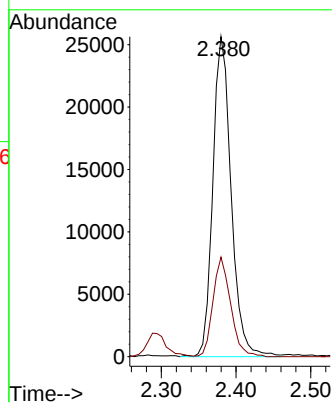
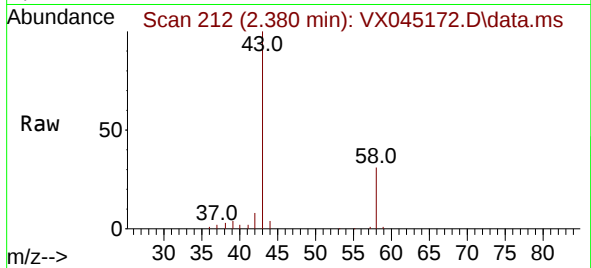




#16
Acetone
Concen: 69.945 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

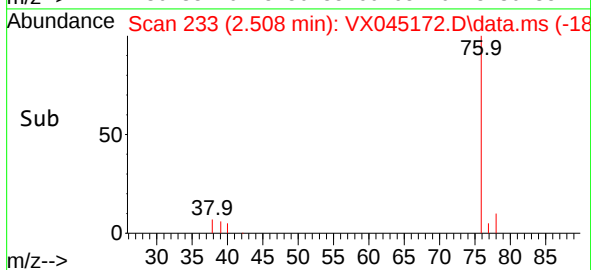
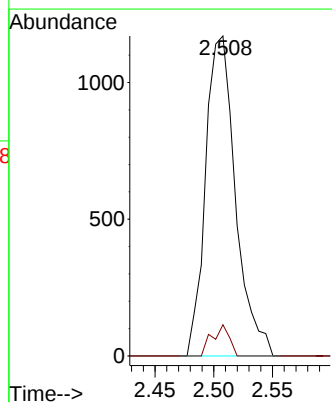
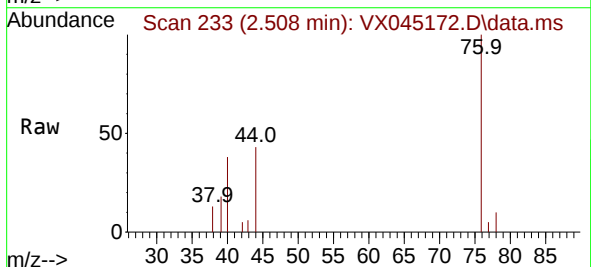
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ClientSampleId :
ENV-102-SB01

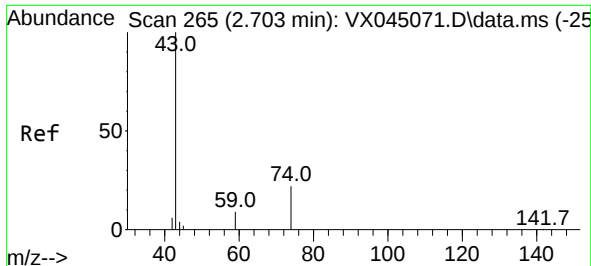
Tgt Ion: 43 Resp: 43675
Ion Ratio Lower Upper
43 100
58 31.1 24.2 36.4



#17
Carbon Disulfide
Concen: 0.751 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 76 Resp: 2079
Ion Ratio Lower Upper
76 100
78 9.7 6.6 9.8

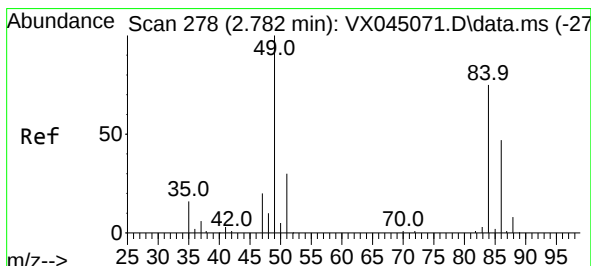
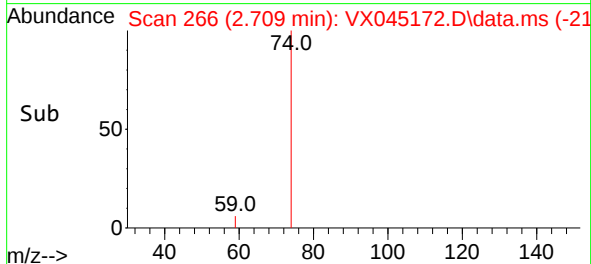
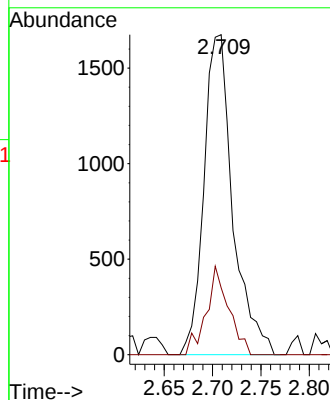
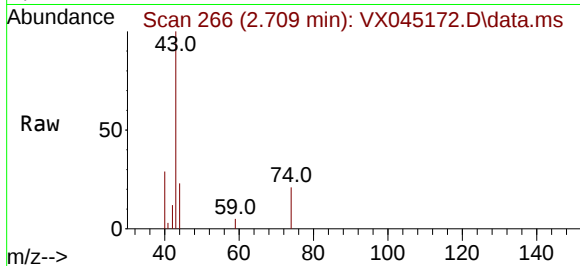




#18
Methyl Acetate
Concen: 2.311 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

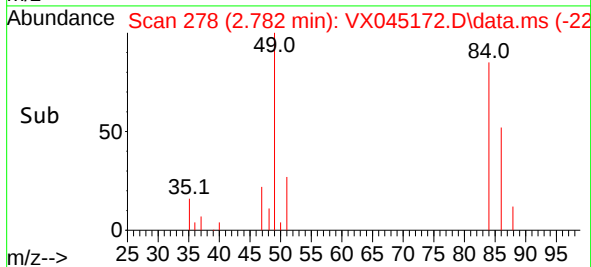
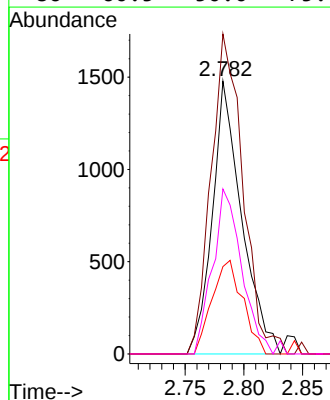
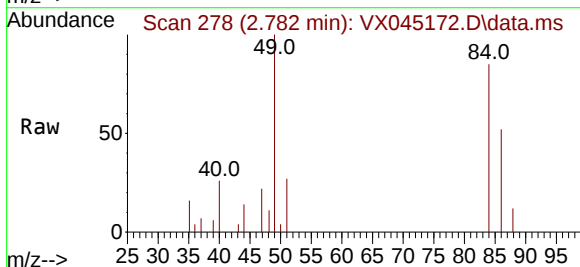
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB01

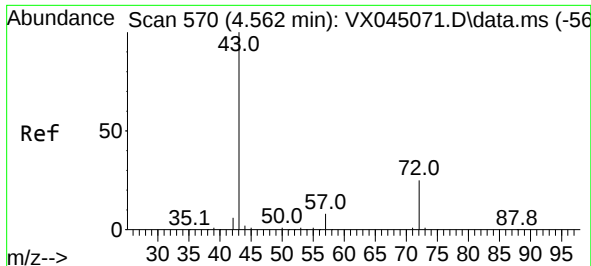
Tgt Ion: 43 Resp: 3472
Ion Ratio Lower Upper
43 100
74 21.5 17.4 26.2



#20
Methylene Chloride
Concen: 2.072 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 84 Resp: 2563
Ion Ratio Lower Upper
84 100
49 117.3 106.5 159.7
51 32.0 32.1 48.1#
86 60.5 50.0 75.0

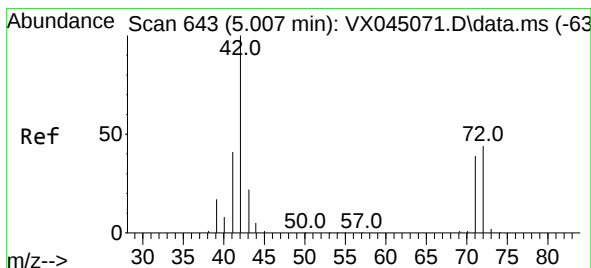
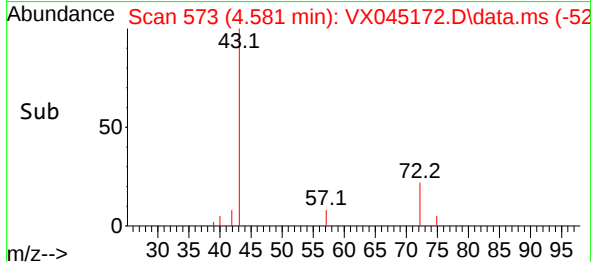
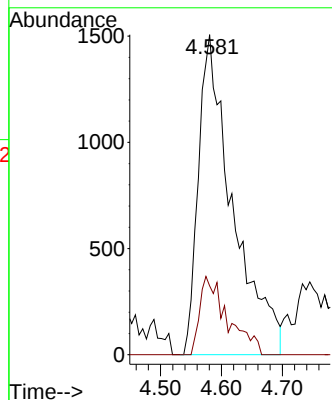
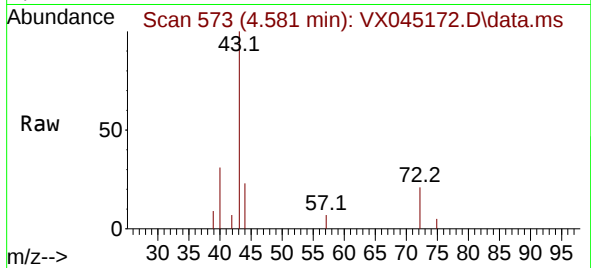




#25
2-Butanone
Concen: 6.242 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

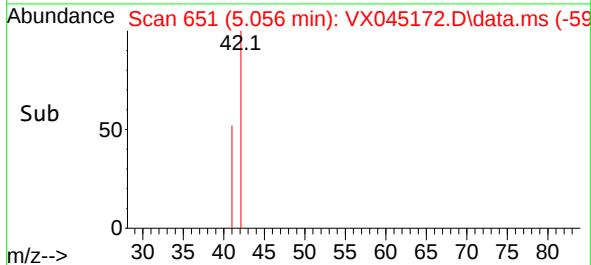
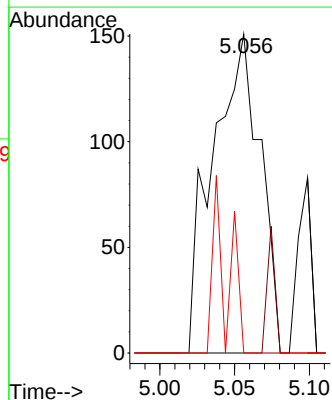
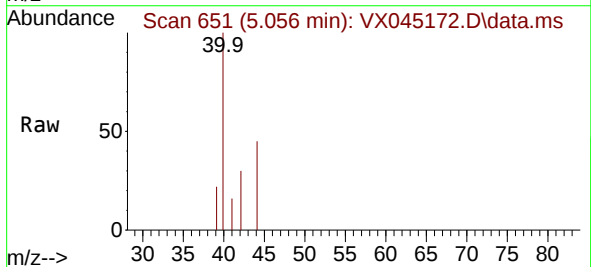
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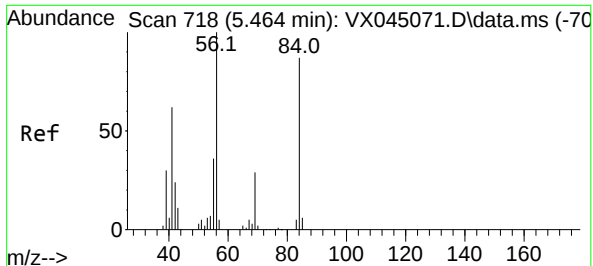
Tgt Ion: 43 Resp: 5867
Ion Ratio Lower Upper
43 100
72 21.5 20.0 30.0



#29
Tetrahydrofuran
Concen: 0.528 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.049 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 42 Resp: 333
Ion Ratio Lower Upper
42 100
72 6.6 34.1 51.1#
71 0.0 31.4 47.0#

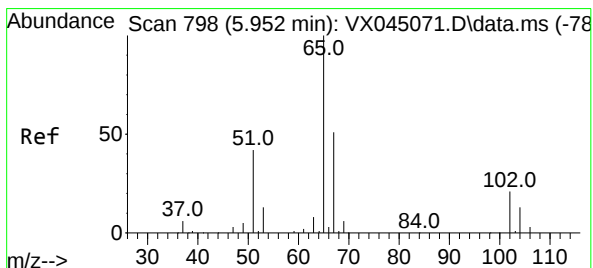
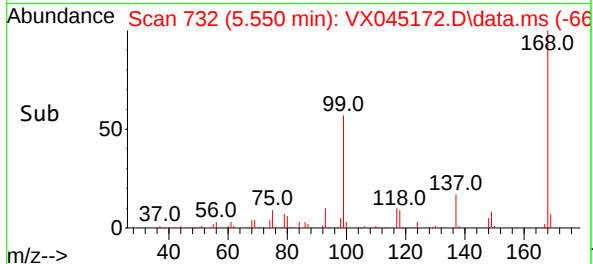
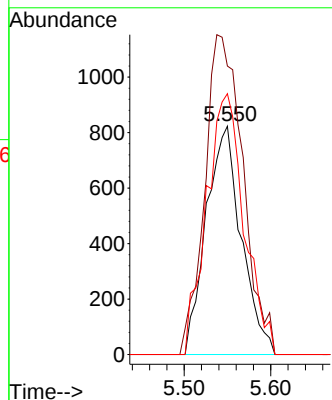
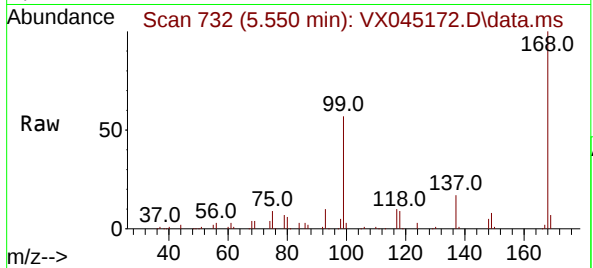




#31
Cyclohexane
Concen: 1.266 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

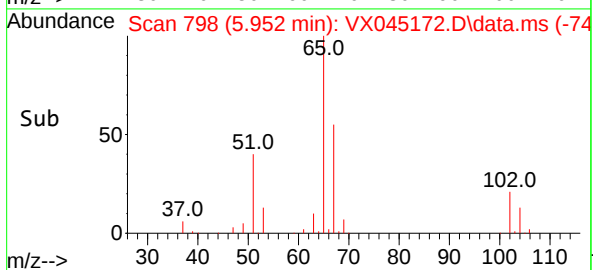
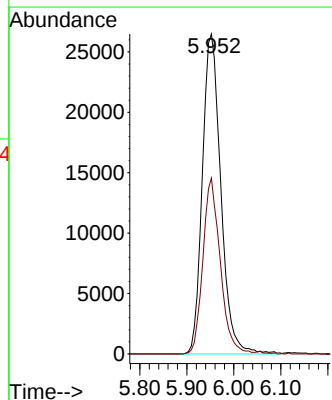
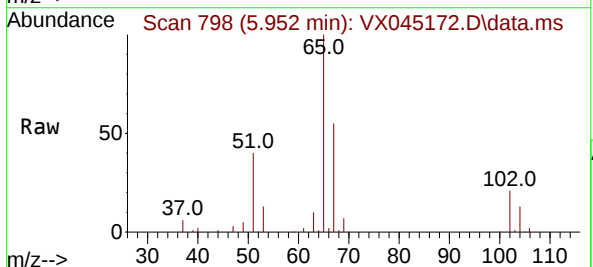
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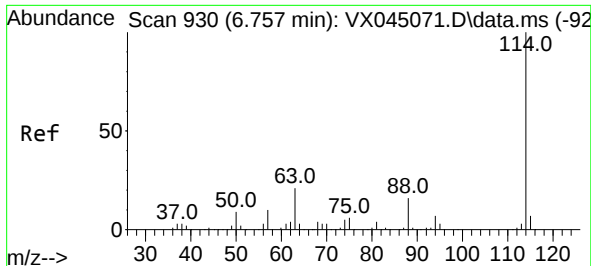
Tgt Ion: 56 Resp: 2318
Ion Ratio Lower Upper
56 100
69 126.4 23.4 35.2#
84 114.2 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 53.767 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 65 Resp: 72361
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.2

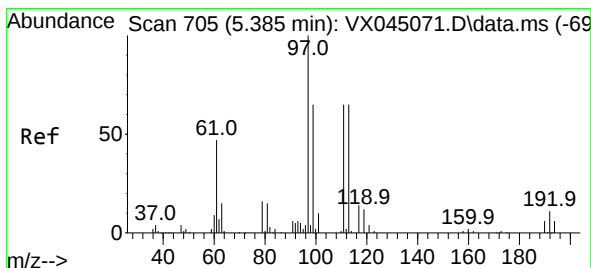
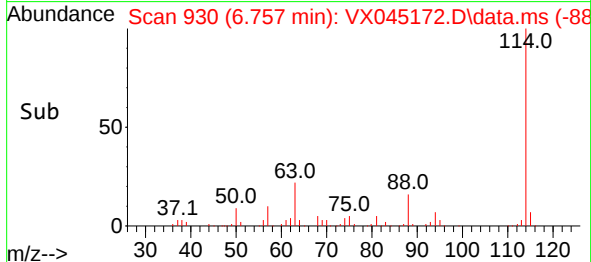
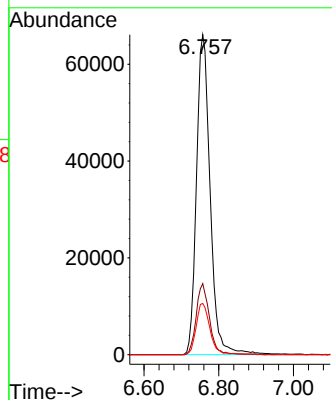
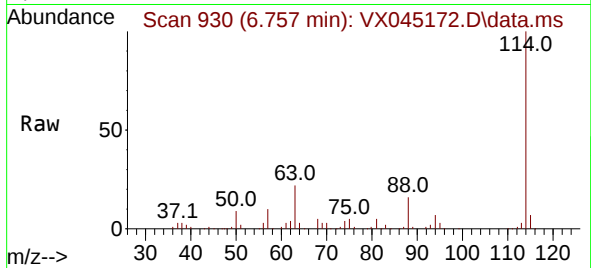




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

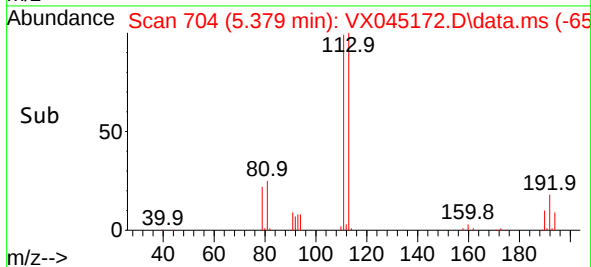
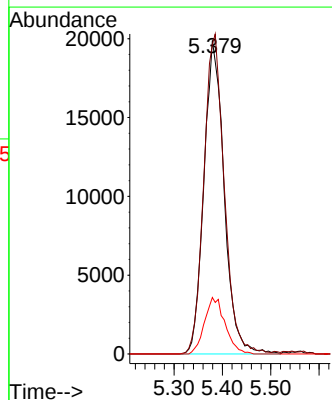
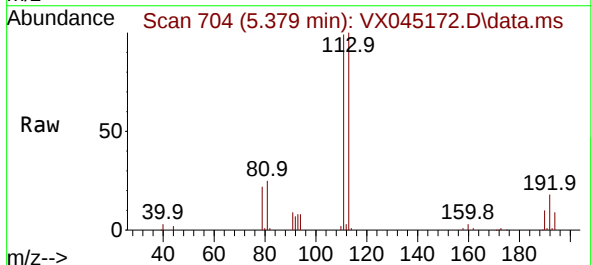
Instrument :
MSVOA_X
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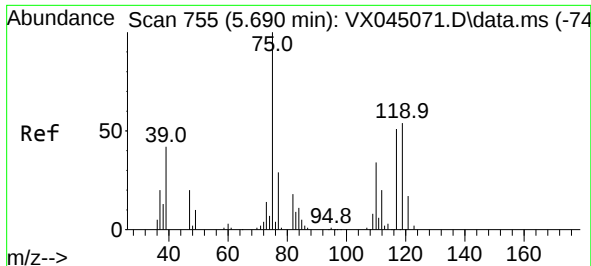
Tgt Ion:114 Resp: 167928
Ion Ratio Lower Upper
114 100
63 22.2 0.0 41.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.481 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion:113 Resp: 57808
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.6
192 18.3 14.3 21.5

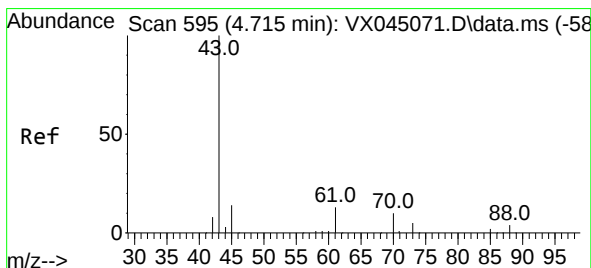
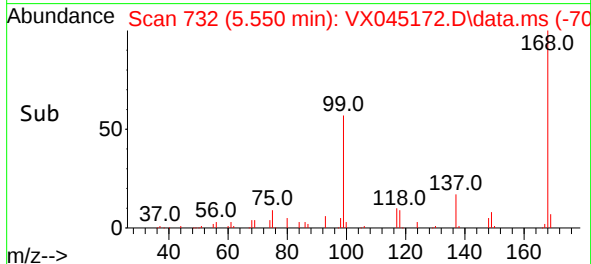
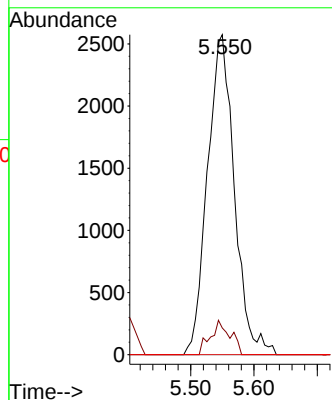
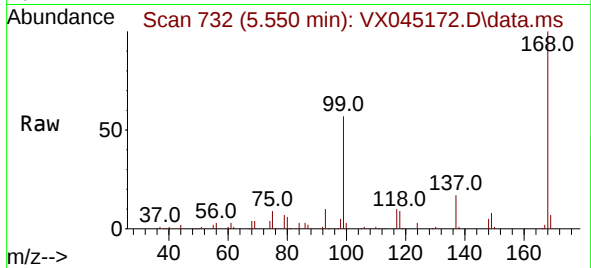




#36
1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

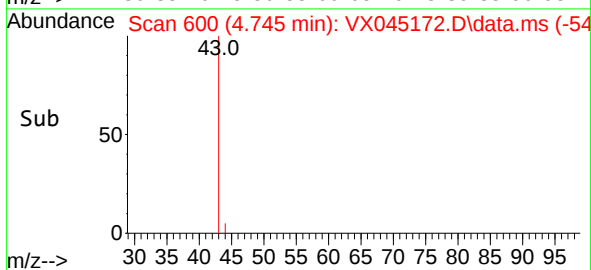
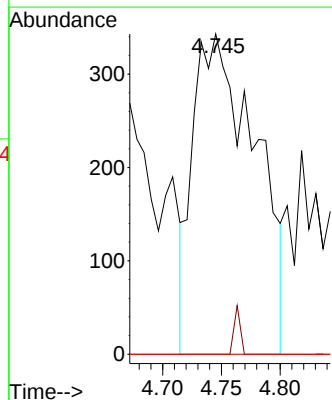
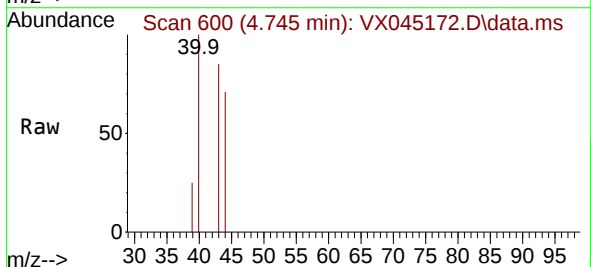
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB01

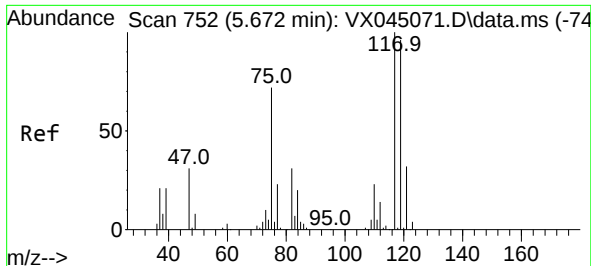
Tgt Ion: 75 Resp: 7612
Ion Ratio Lower Upper
75 100
110 7.8 16.9 50.6#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.636 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.031 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
61 1.5 10.8 16.2#
70 0.0 7.7 11.5#

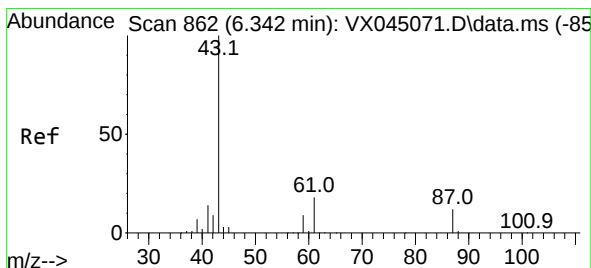
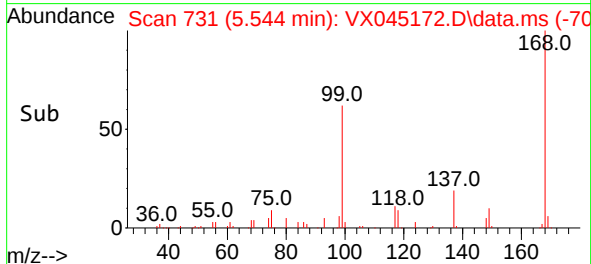
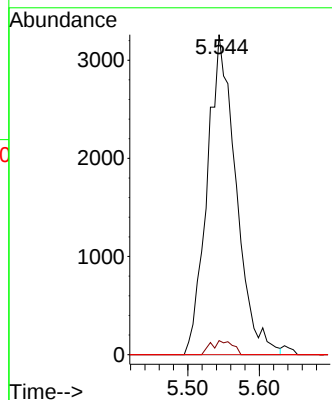
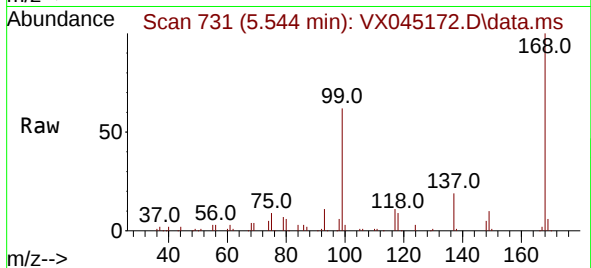




#38
Carbon Tetrachloride
Concen: 5.853 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

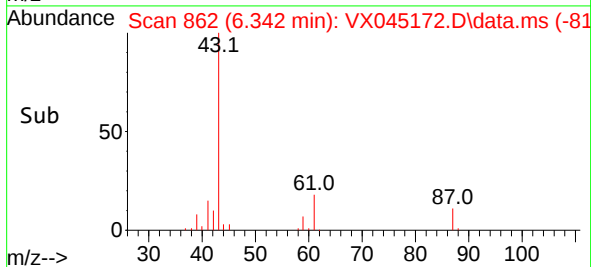
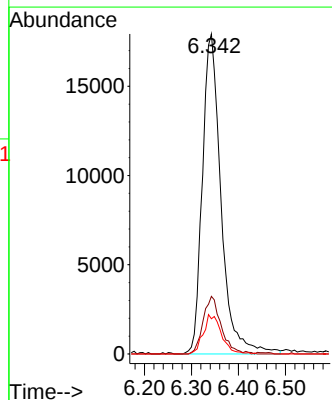
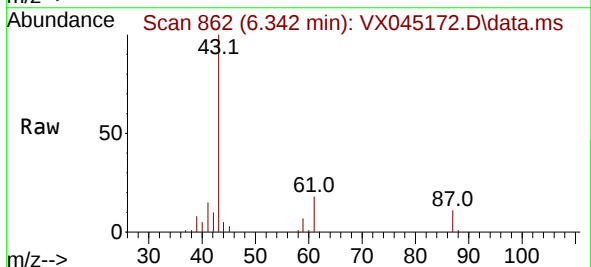
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB01

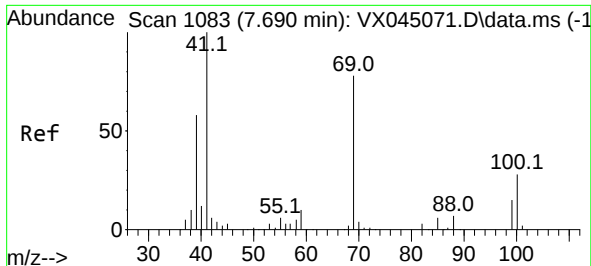
Tgt Ion:117 Resp: 9150
Ion Ratio Lower Upper
117 100
119 4.4 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 16.887 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 43 Resp: 49551
Ion Ratio Lower Upper
43 100
61 17.4 14.9 22.3
87 11.9 9.4 14.2





#48

Methyl methacrylate

Concen: 42.093 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX045172.D

Acq: 06 Mar 2025 16:39

Instrument :

MSVOA_X

ClientSampleId :

ENV-102-SB01

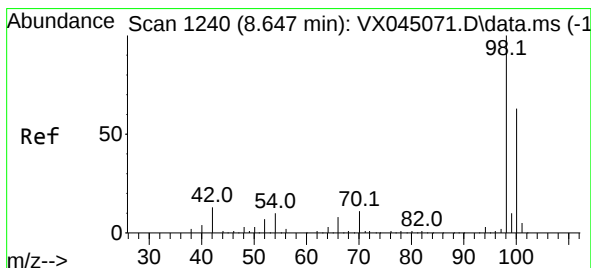
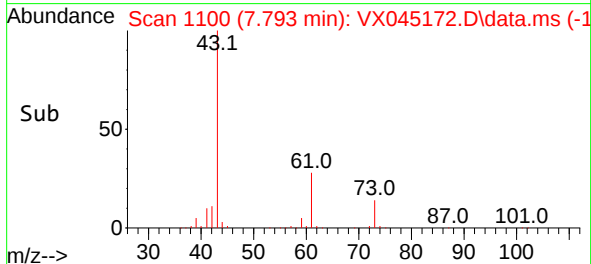
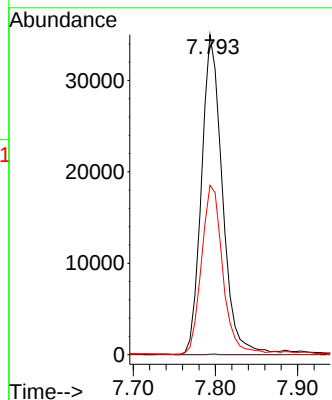
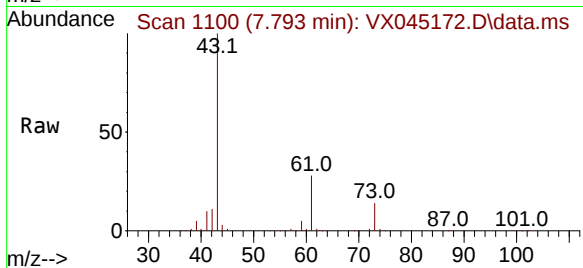
Tgt Ion: 41 Resp: 61963

Ion Ratio Lower Upper

41 100

69 0.1 63.0 94.6#

39 54.1 47.5 71.3



#50

Toluene-d8

Concen: 51.134 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045172.D

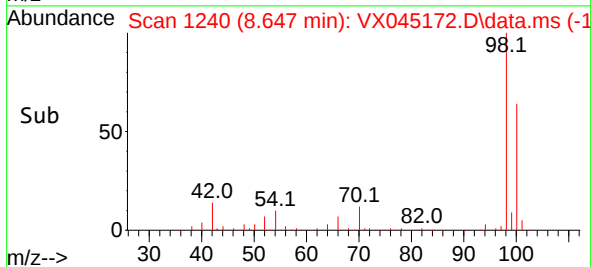
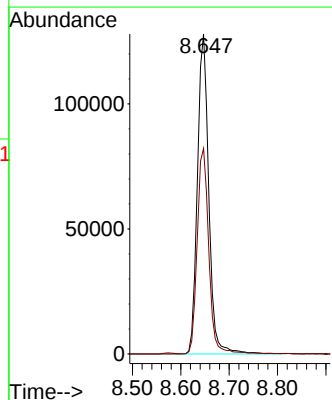
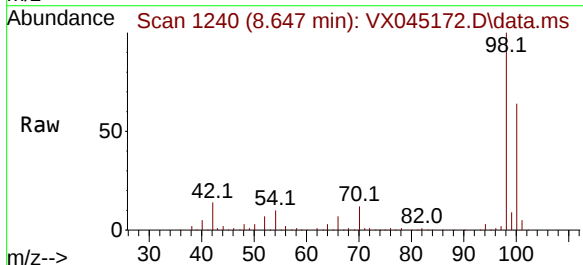
Acq: 06 Mar 2025 16:39

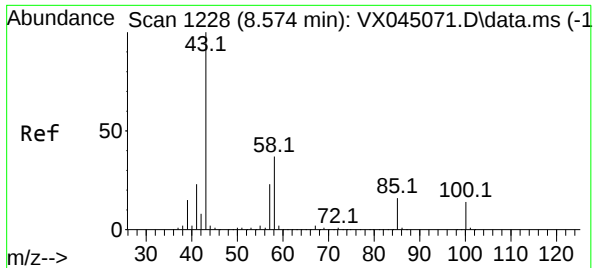
Tgt Ion: 98 Resp: 208160

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0

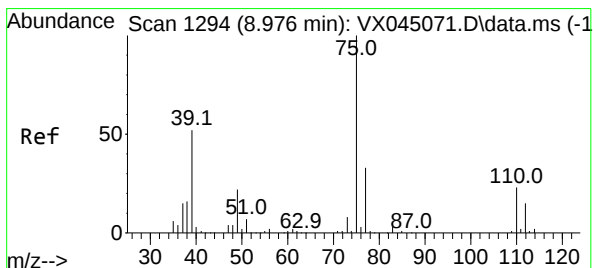
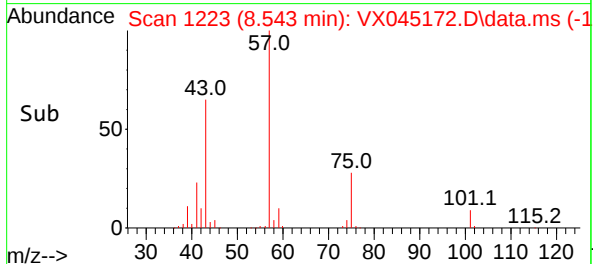
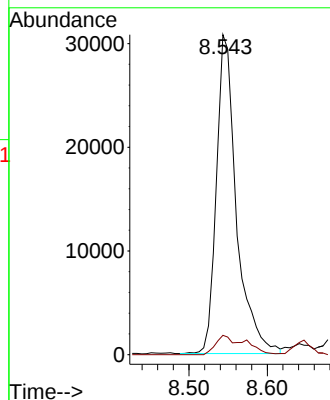
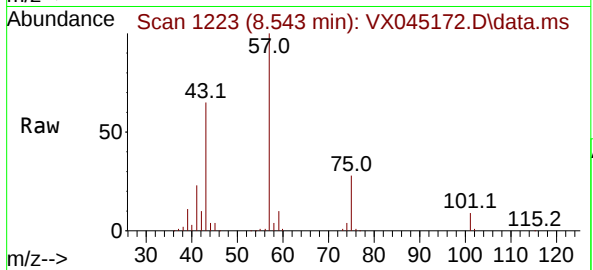




#51
4-Methyl-2-Pentanone
Concen: 27.786 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

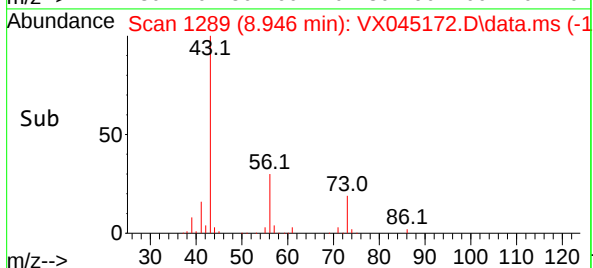
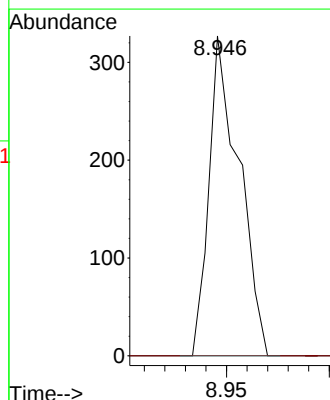
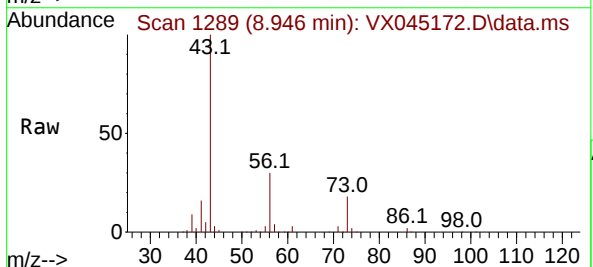
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB01

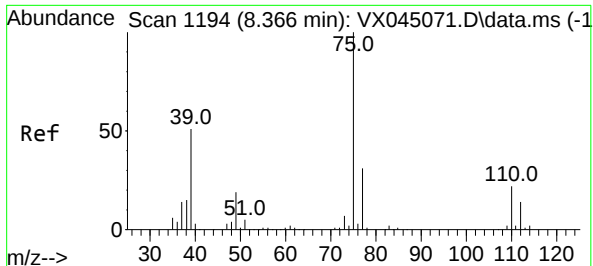
Tgt Ion: 43 Resp: 54743
Ion Ratio Lower Upper
43 100
58 5.5 29.2 43.8#



#53
t-1,3-Dichloropropene
Concen: 0.230 ug/l
RT: 8.946 min Scan# 1289
Delta R.T. -0.030 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 75 Resp: 333
Ion Ratio Lower Upper
75 100
77 0.0 26.5 39.7#

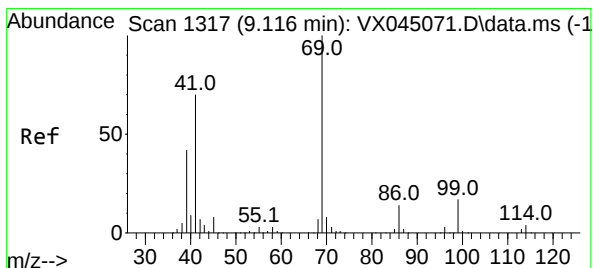
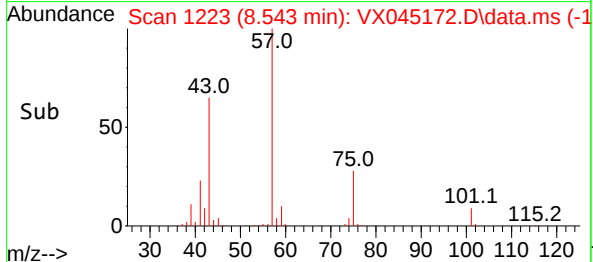
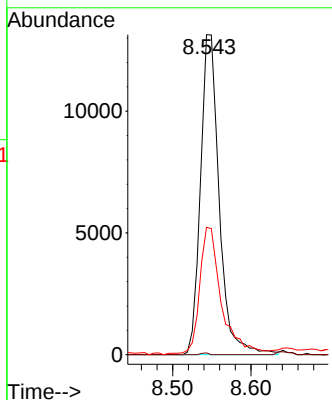
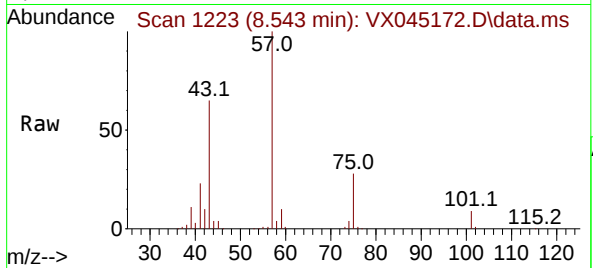




#54
 cis-1,3-Dichloropropene
 Concen: 12.920 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX045172.D
 Acq: 06 Mar 2025 16:39

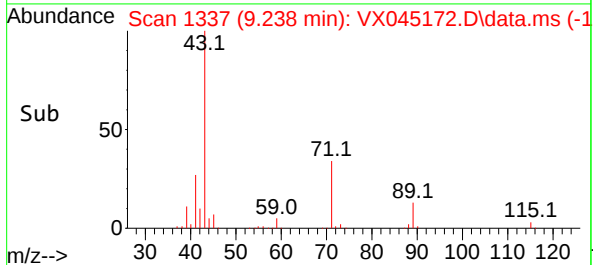
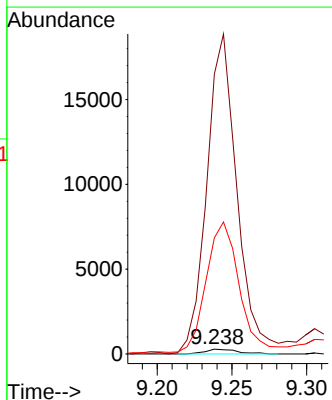
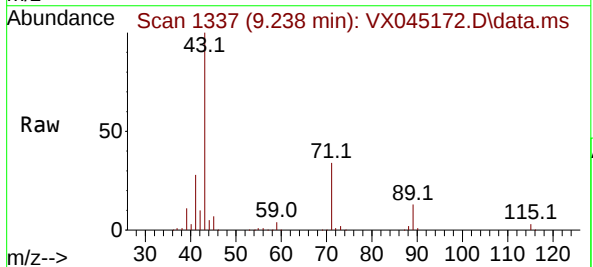
Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-102-SB01

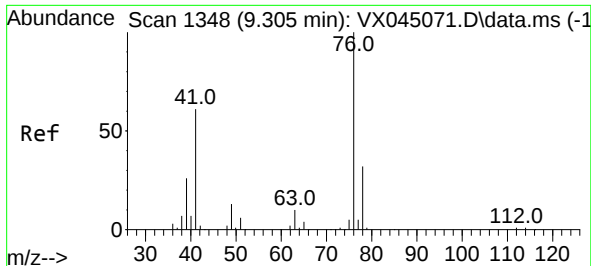
Tgt Ion: 75 Resp: 21832
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.7 37.1#
 39 39.3 40.7 61.1#



#56
 Ethyl methacrylate
 Concen: 0.232 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX045172.D
 Acq: 06 Mar 2025 16:39

Tgt Ion: 69 Resp: 414
 Ion Ratio Lower Upper
 69 100
 41 6401.7 57.0 85.4#
 39 2854.1 34.2 51.4#





#57

1,3-Dichloropropane

Concen: 1.237 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045172.D

Acq: 06 Mar 2025 16:39

Instrument :

MSVOA_X

ClientSampleId :

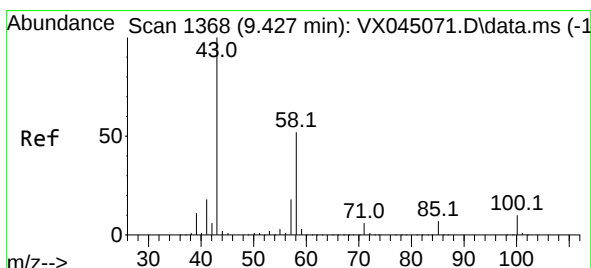
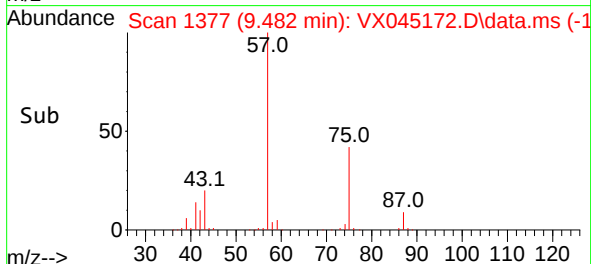
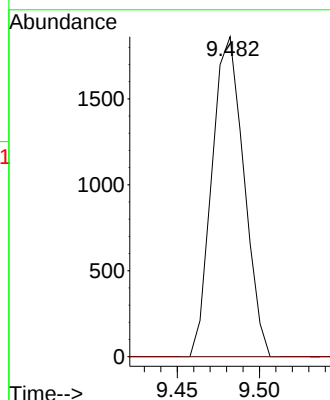
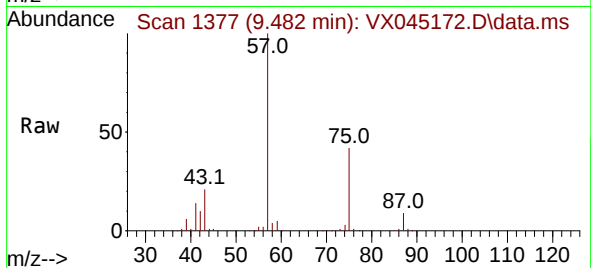
ENV-102-SB01

Tgt Ion: 76 Resp: 2514

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 25.058 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX045172.D

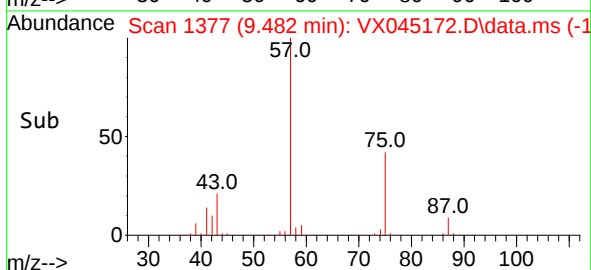
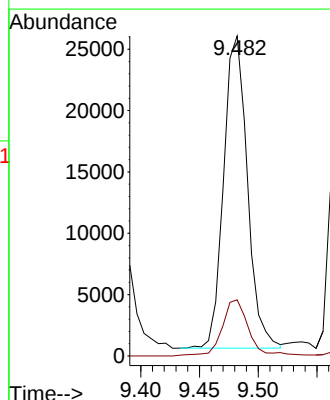
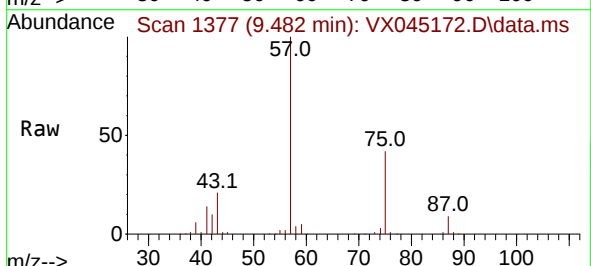
Acq: 06 Mar 2025 16:39

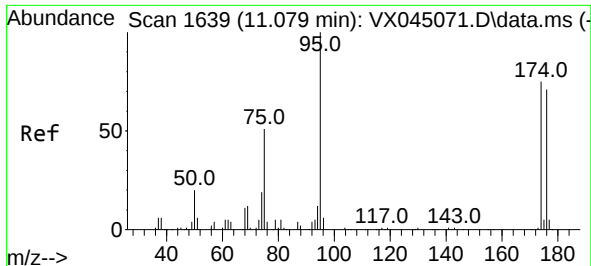
Tgt Ion: 43 Resp: 35769

Ion Ratio Lower Upper

43 100

58 20.2 25.9 77.6#

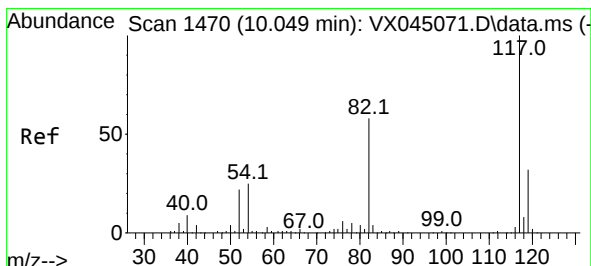
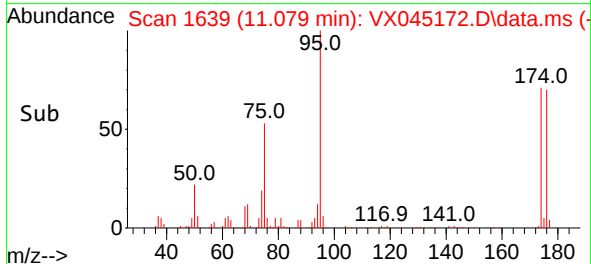
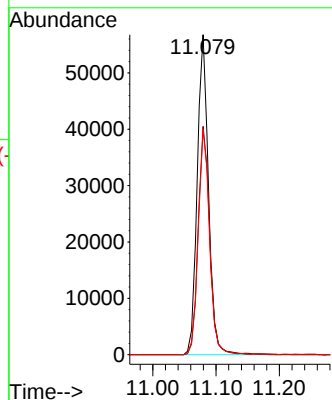
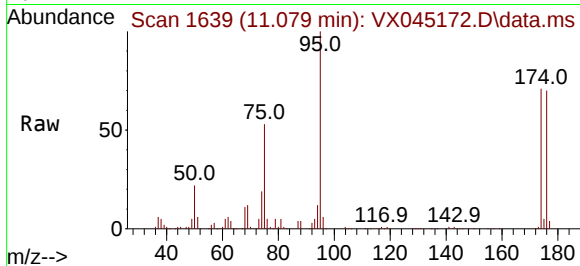




#62
4-Bromofluorobenzene
Concen: 52.225 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

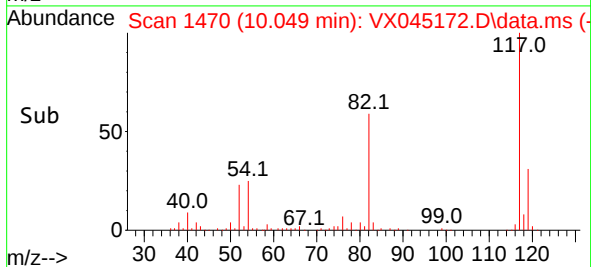
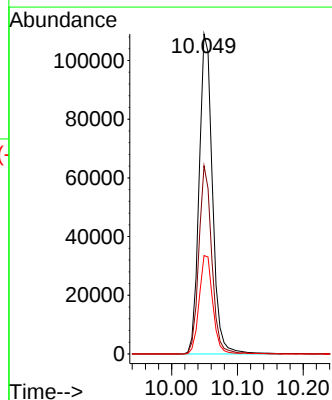
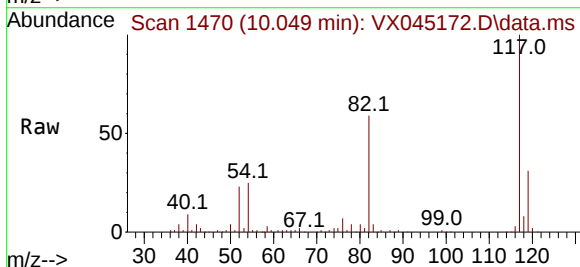
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB01

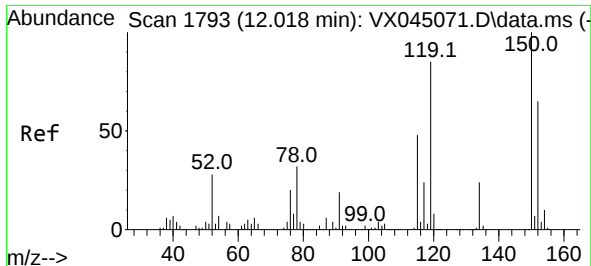
Tgt Ion: 95 Resp: 70449
Ion Ratio Lower Upper
95 100
174 73.7 0.0 148.2
176 70.5 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 117 Resp: 153445
Ion Ratio Lower Upper
117 100
82 58.8 46.3 69.5
119 30.7 25.7 38.5

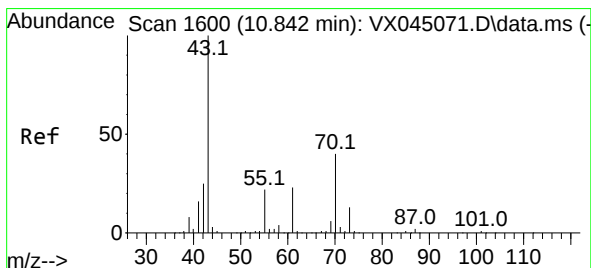
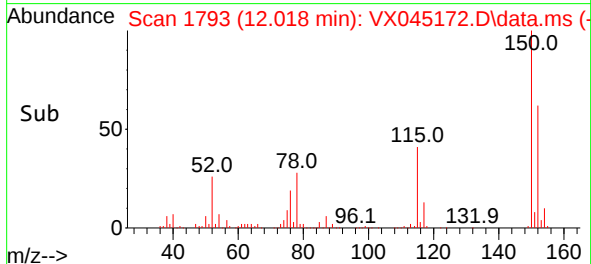
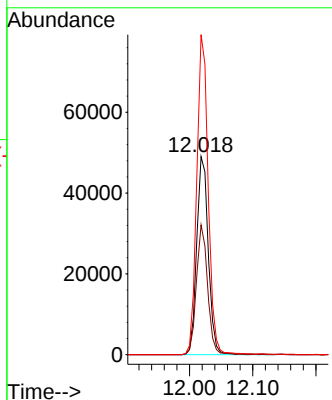
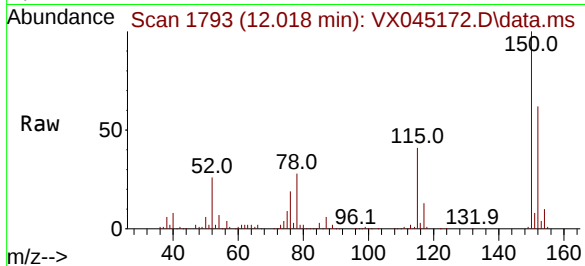




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

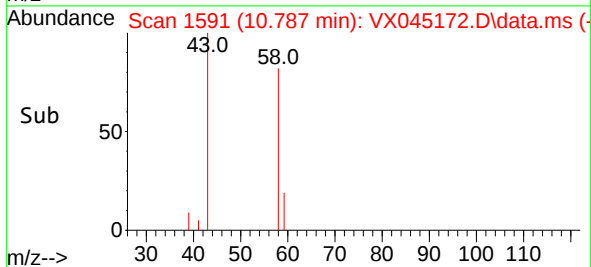
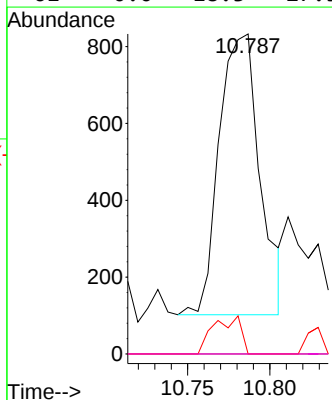
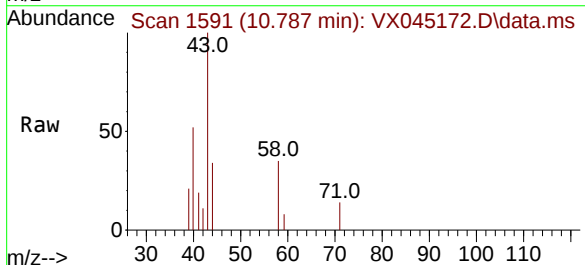
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB01

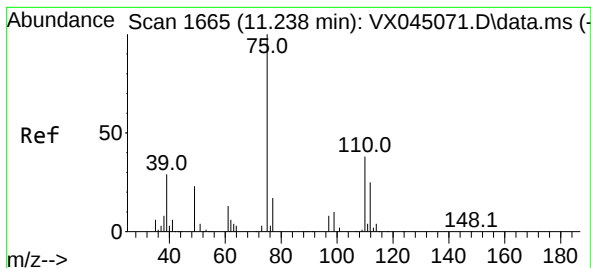
Tgt Ion:152 Resp: 63036
Ion Ratio Lower Upper
152 100
115 62.8 44.2 132.6
150 158.2 0.0 349.0



#74
N-ethyl acetate
Concen: 0.545 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX045172.D
Acq: 06 Mar 2025 16:39

Tgt Ion: 43 Resp: 1258
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 9.1 18.3 27.5#
61 0.0 18.3 27.5#





#76

1,2,3-Trichloropropane

Concen: 26.085 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045172.D

Acq: 06 Mar 2025 16:39

Instrument :

MSVOA_X

ClientSampleId :

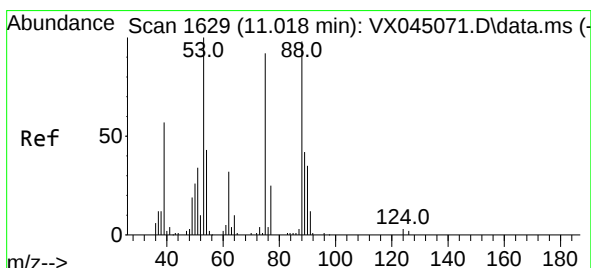
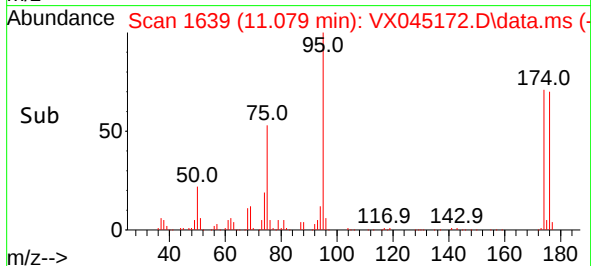
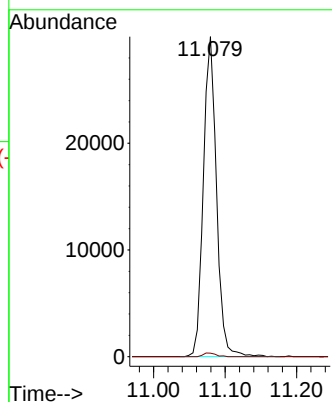
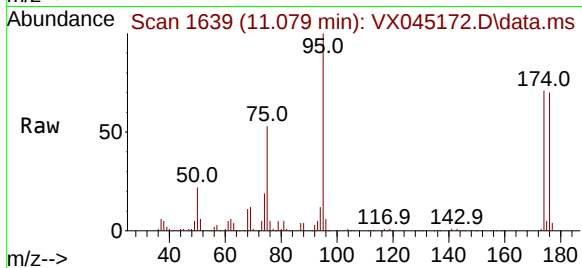
ENV-102-SB01

Tgt Ion: 75 Resp: 38271

Ion Ratio Lower Upper

75 100

77 1.1 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.267 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045172.D

Acq: 06 Mar 2025 16:39

Tgt Ion: 75 Resp: 38271

Ion Ratio Lower Upper

75 100

53 0.0 88.5 132.7#

89 0.0 36.2 54.4#

