

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045175.D
 Acq On : 06 Mar 2025 17:49
 Operator : JC/MD
 Sample : Q1488-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-SB02

Quant Time: Mar 07 00:48:22 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)

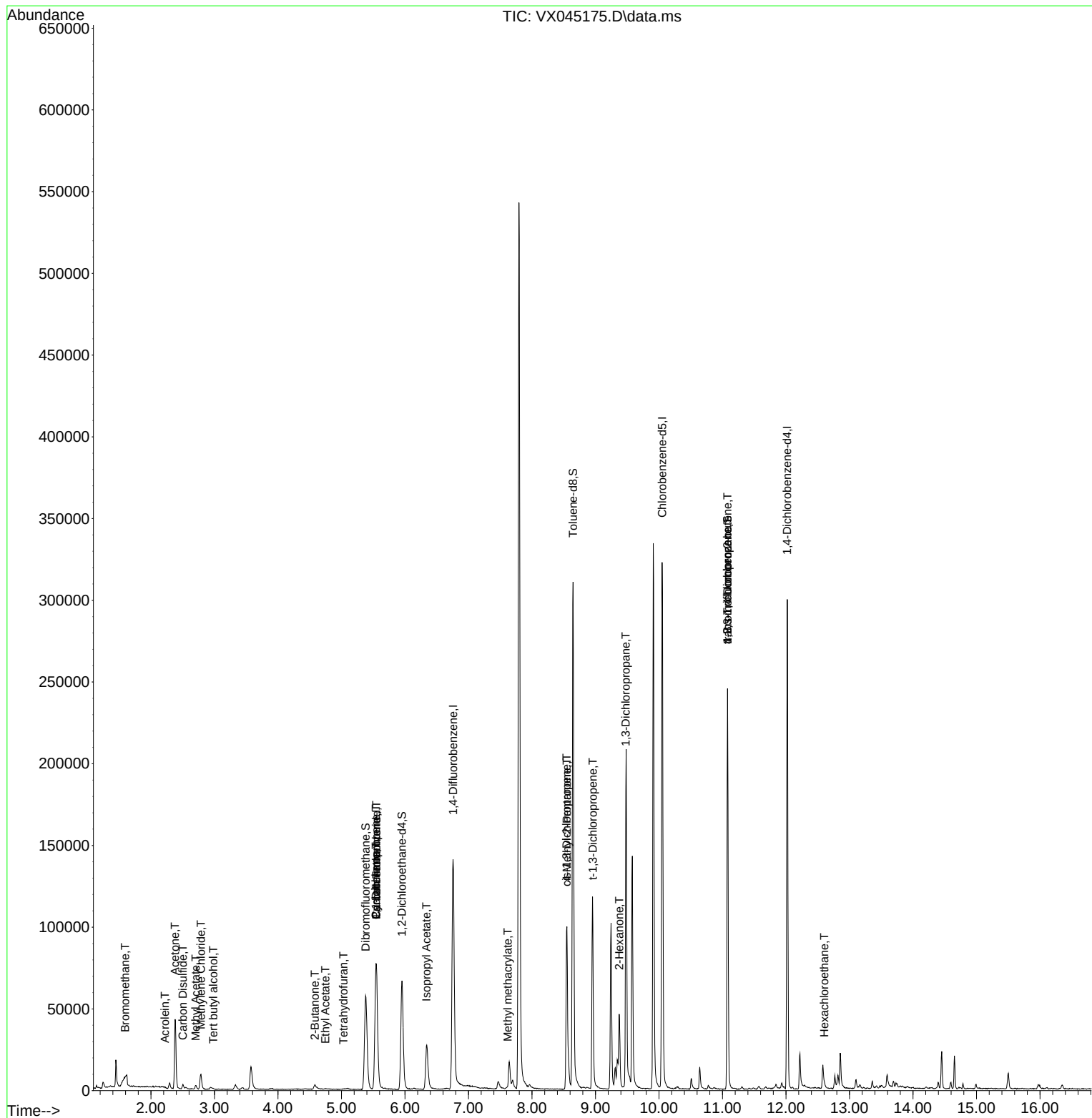
Internal Standards						
1) Pentafluorobenzene	5.550	168	75040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148256	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62508	52.368	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.740%			
35) Dibromofluoromethane	5.379	113	49589	50.022	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.040%			
50) Toluene-d8	8.647	98	187191	52.084	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.160%			
62) 4-Bromofluorobenzene	11.079	95	62513	52.491	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.980%			
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	144	0.319	ug/l #	80
11) Tert butyl alcohol	2.983	59	1299	5.745	ug/l #	73
13) Acrolein	2.221	56	113	0.432	ug/l #	36
16) Acetone	2.380	43	46915	84.714	ug/l	99
17) Carbon Disulfide	2.502	76	3381	1.377	ug/l	100
18) Methyl Acetate	2.703	43	3232	2.426	ug/l	93
20) Methylene Chloride	2.788	84	4495	4.097	ug/l	93
25) 2-Butanone	4.581	43	5655	6.784	ug/l	91
29) Tetrahydrofuran	5.032	42	304	0.543	ug/l #	40
31) Cyclohexane	5.544	56	1947	1.199	ug/l #	30
36) 1,1-Dichloropropene	5.544	75	6796	4.999	ug/l #	50
37) Ethyl Acetate	4.745	43	603	0.344	ug/l #	82
38) Carbon Tetrachloride	5.550	117	7733	5.603	ug/l #	14
43) Isopropyl Acetate	6.336	43	40419	15.603	ug/l	97
48) Methyl methacrylate	7.617	41	1799	1.384	ug/l #	15
51) 4-Methyl-2-Pentanone	8.549	43	45325	26.058	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	267	0.209	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	16843	11.290	ug/l #	67
57) 1,3-Dichloropropane	9.476	76	1610	0.897	ug/l #	43
59) 2-Hexanone	9.372	43	36013	28.576	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	33969	25.884	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33969	88.581	ug/l #	6
90) Hexachloroethane	12.603	117	245	0.383	ug/l #	18

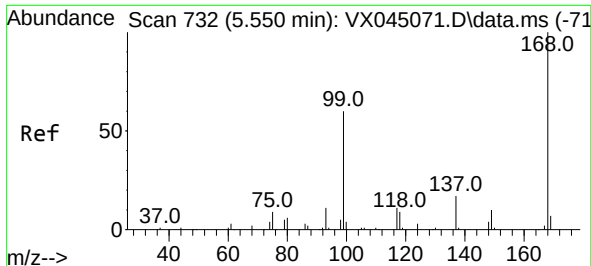
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 07 00:48:22 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

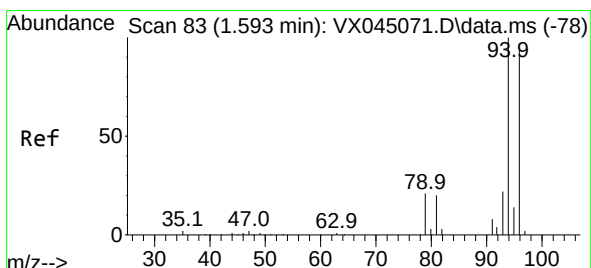
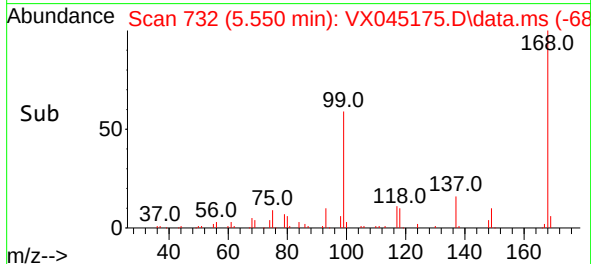
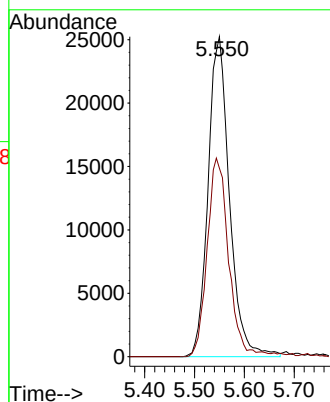
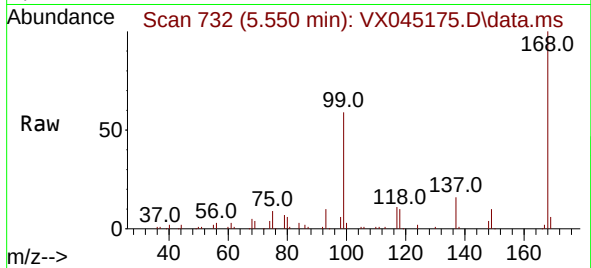




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

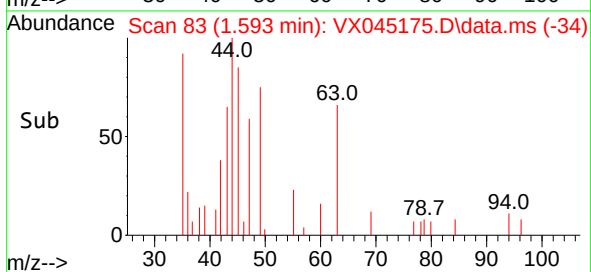
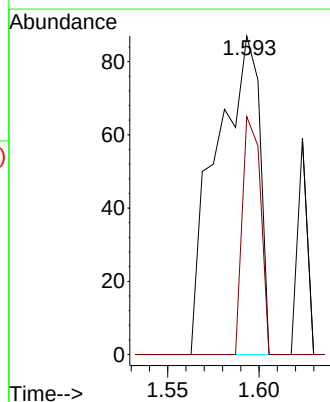
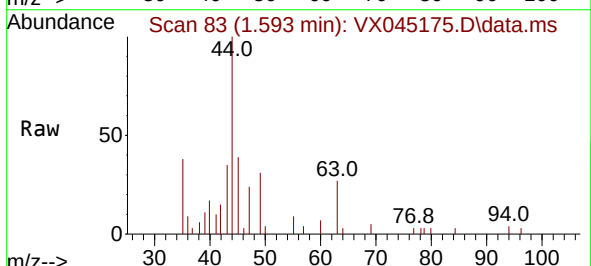
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB02

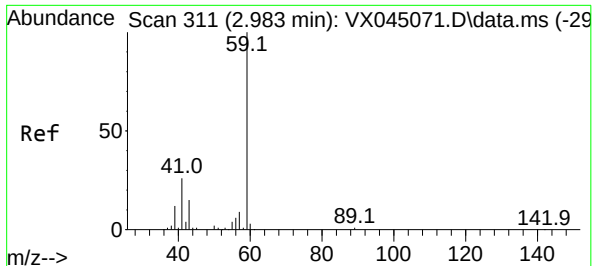
Tgt Ion:168 Resp: 75040
Ion Ratio Lower Upper
168 100
99 58.9 48.2 72.4



#5
Bromomethane
Concen: 0.319 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion: 94 Resp: 144
Ion Ratio Lower Upper
94 100
96 74.7 75.0 112.4#





#11

Tert butyl alcohol

Concen: 5.745 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX045175.D

Acq: 06 Mar 2025 17:49

Instrument :

MSVOA_X

ClientSampleId :

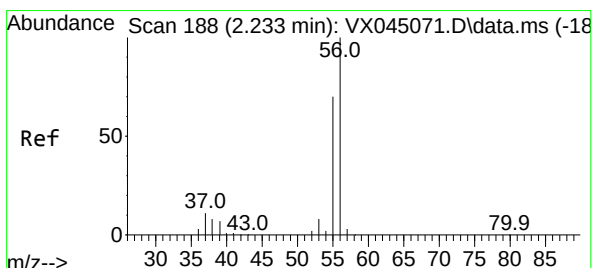
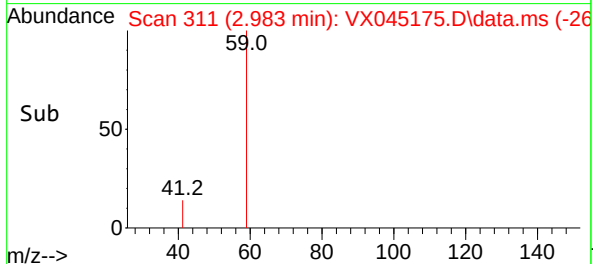
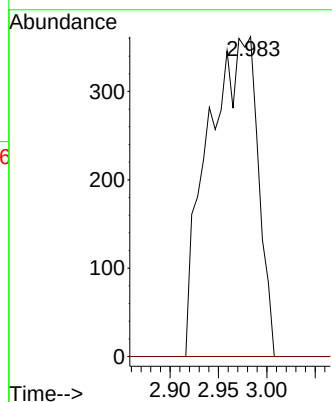
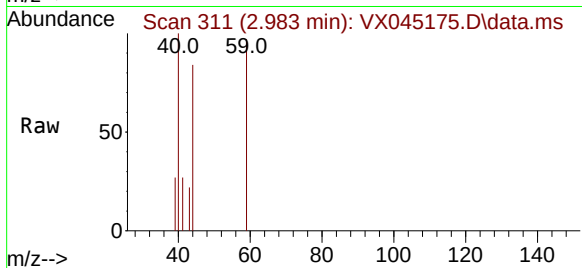
ENV-104-SB02

Tgt Ion: 59 Resp: 1299

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.432 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.012 min

Lab File: VX045175.D

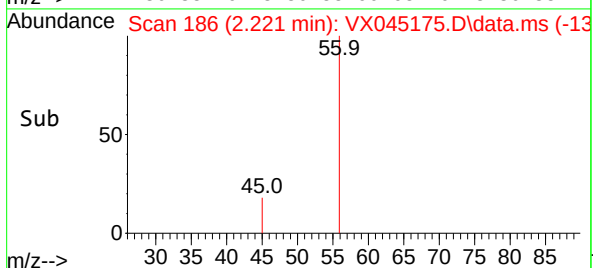
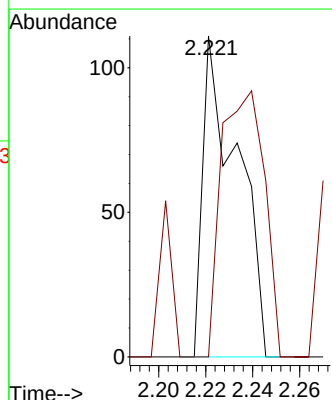
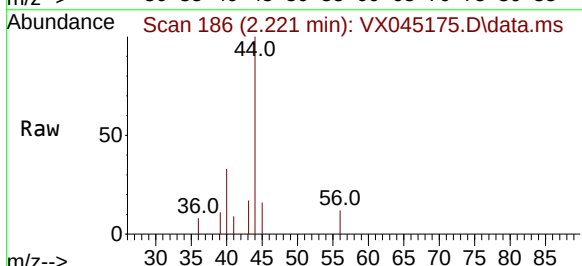
Acq: 06 Mar 2025 17:49

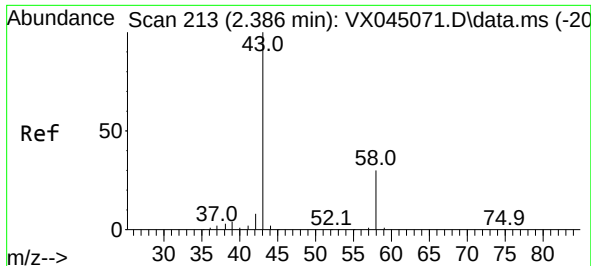
Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 17.7 56.2 84.4#

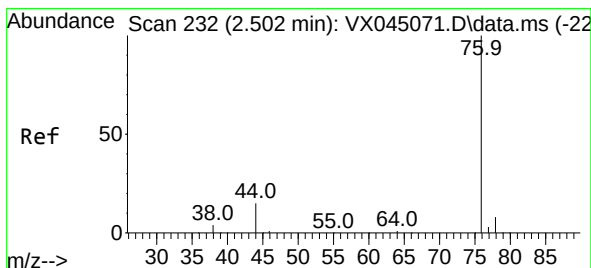
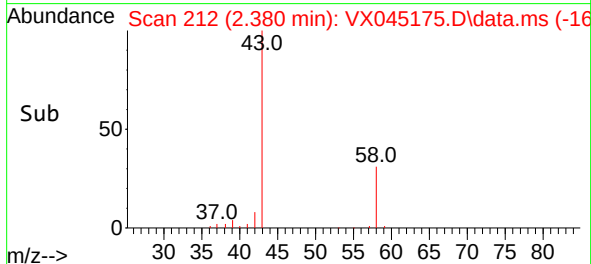
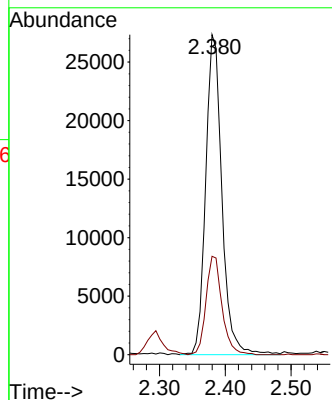
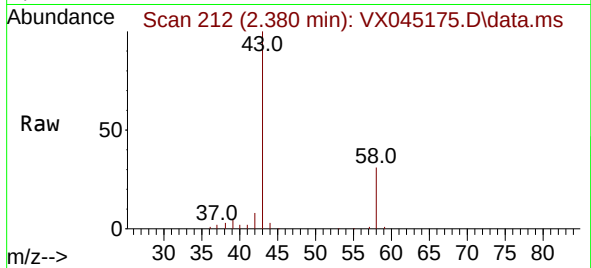




#16
Acetone
Concen: 84.714 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

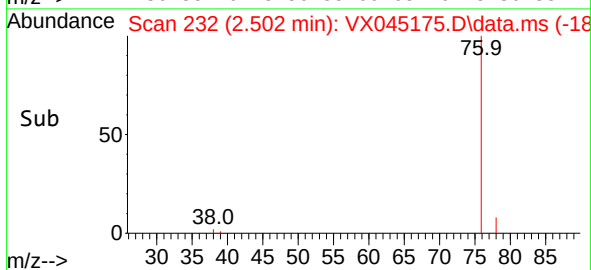
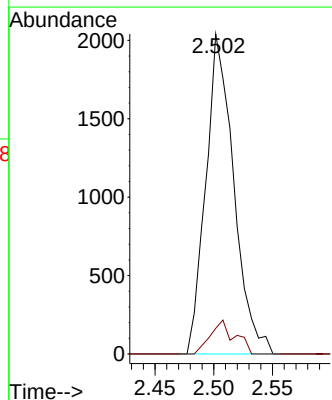
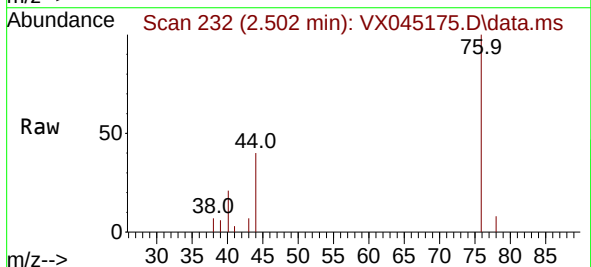
Instrument :
MSVOA_X
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ENV-104-SB02

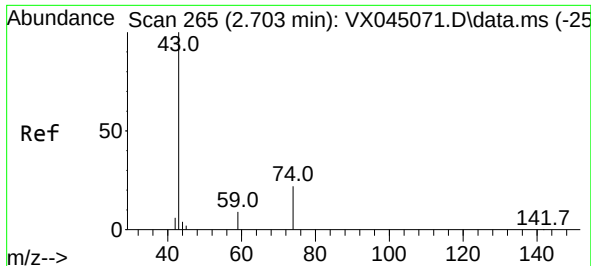
Tgt Ion: 43 Resp: 46915
Ion Ratio Lower Upper
43 100
58 30.8 24.2 36.4



#17
Carbon Disulfide
Concen: 1.377 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion: 76 Resp: 3381
Ion Ratio Lower Upper
76 100
78 8.0 6.6 9.8

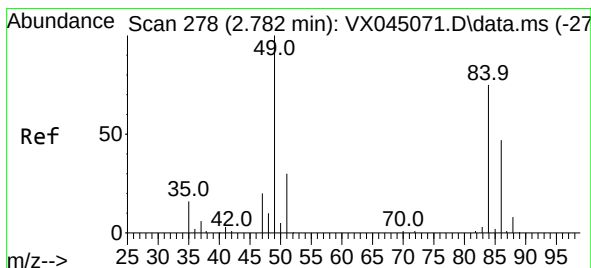
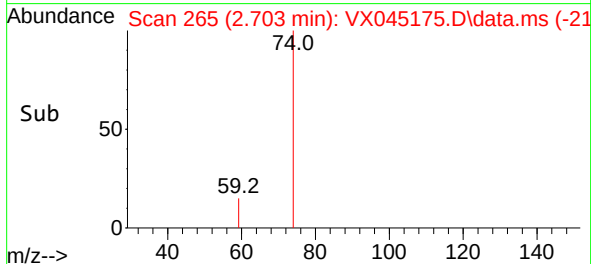
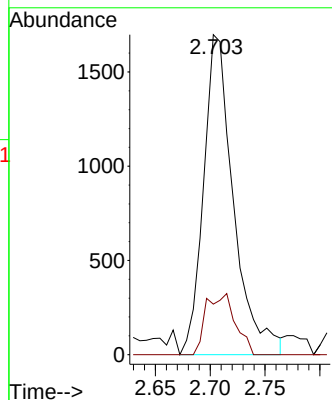
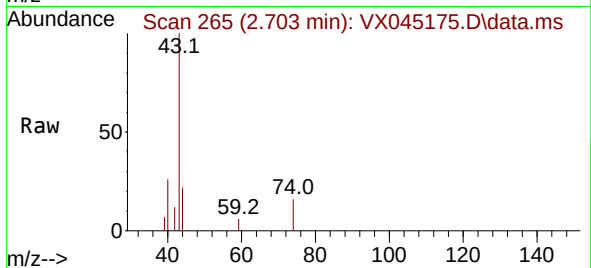




#18
Methyl Acetate
Concen: 2.426 ug/l
RT: 2.703 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

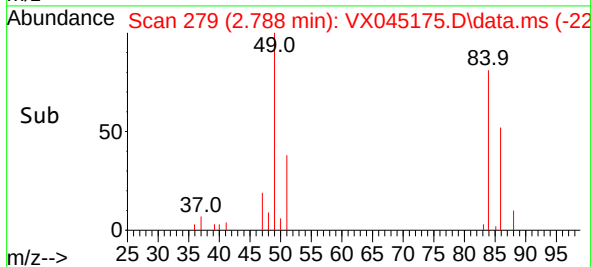
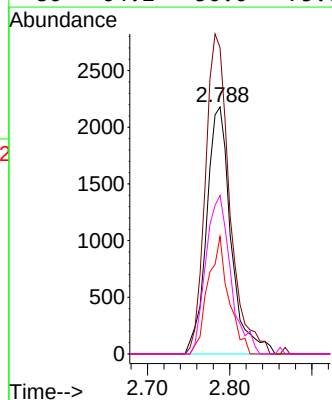
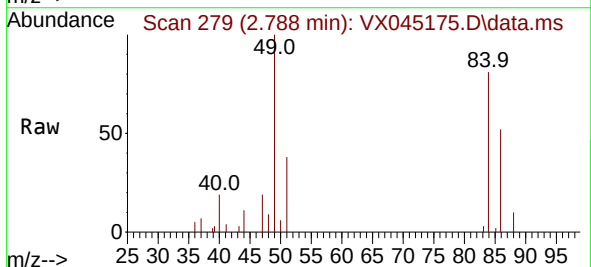
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB02

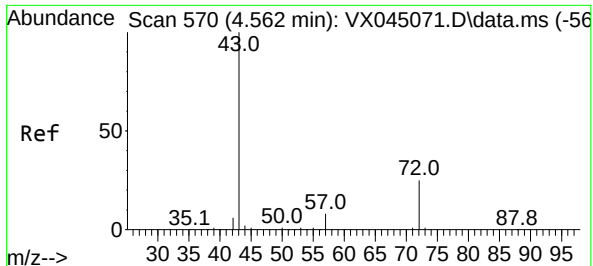
Tgt Ion: 43 Resp: 3232
Ion Ratio Lower Upper
43 100
74 18.6 17.4 26.2



#20
Methylene Chloride
Concen: 4.097 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion: 84 Resp: 4495
Ion Ratio Lower Upper
84 100
49 124.0 106.5 159.7
51 47.5 32.1 48.1
86 64.2 50.0 75.0

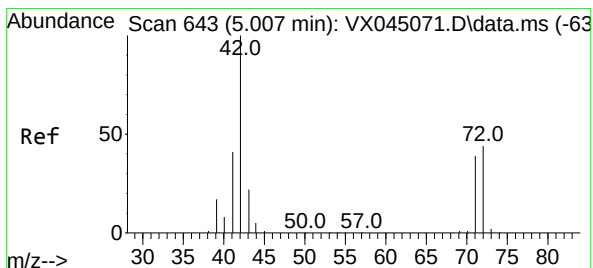
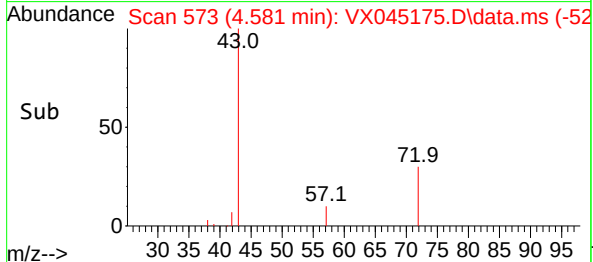
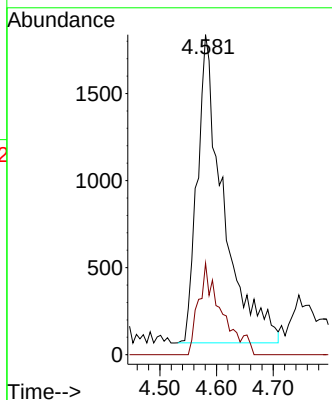
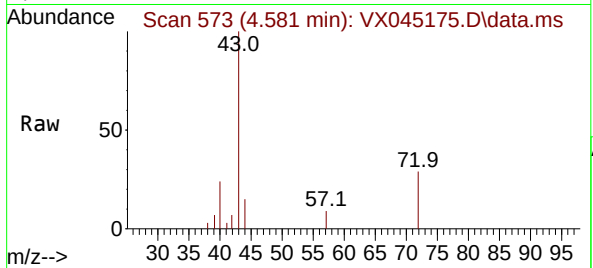




#25
2-Butanone
Concen: 6.784 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

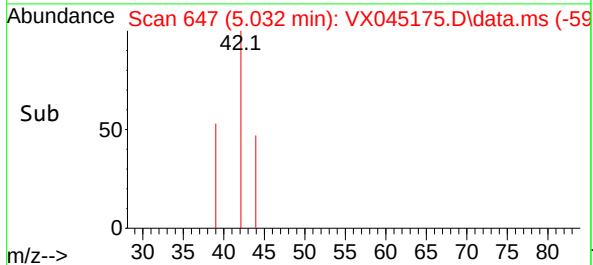
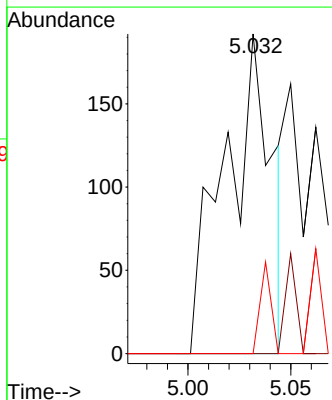
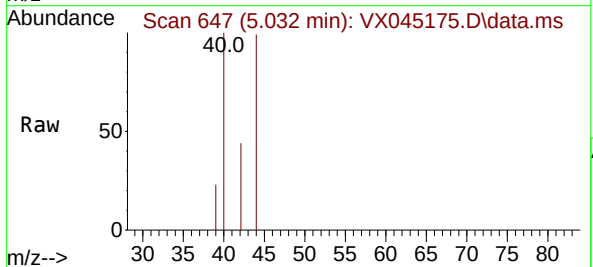
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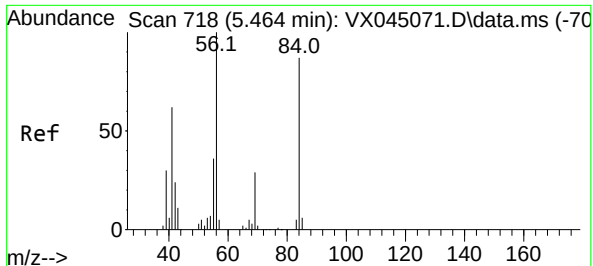
Tgt Ion: 43 Resp: 5655
Ion Ratio Lower Upper
43 100
72 29.7 20.0 30.0



#29
Tetrahydrofuran
Concen: 0.543 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion: 42 Resp: 304
Ion Ratio Lower Upper
42 100
72 0.0 34.1 51.1#
71 6.6 31.4 47.0#

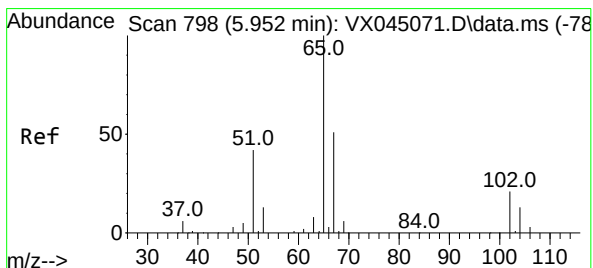
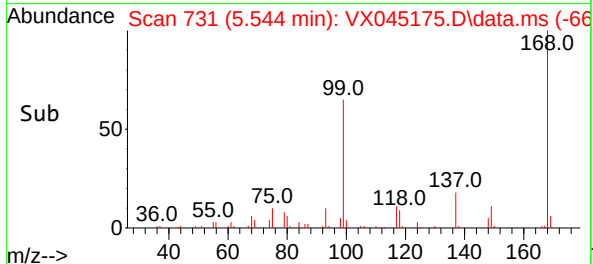
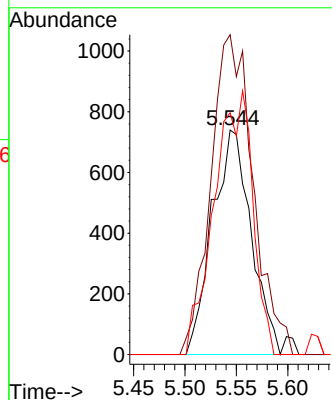
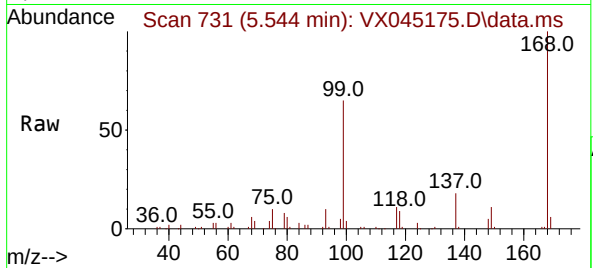




#31
Cyclohexane
Concen: 1.199 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

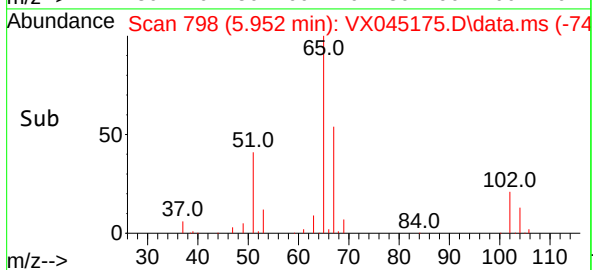
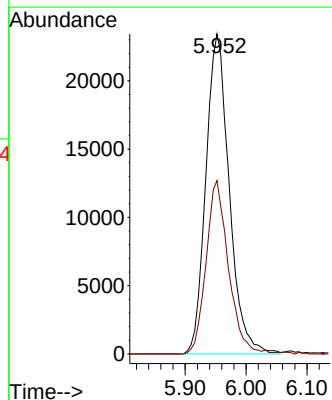
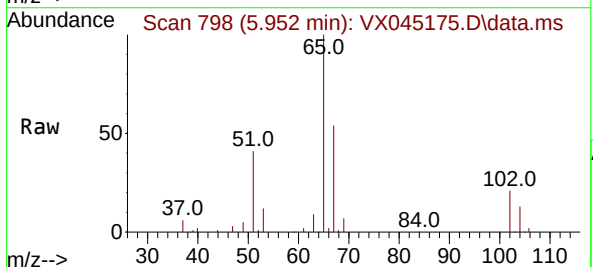
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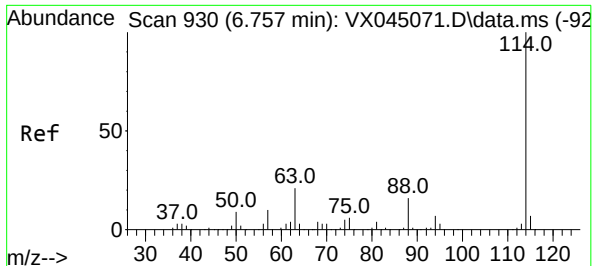
Tgt Ion: 56 Resp: 1947
Ion Ratio Lower Upper
56 100
69 142.4 23.4 35.2#
84 107.7 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 52.368 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion: 65 Resp: 62508
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.2

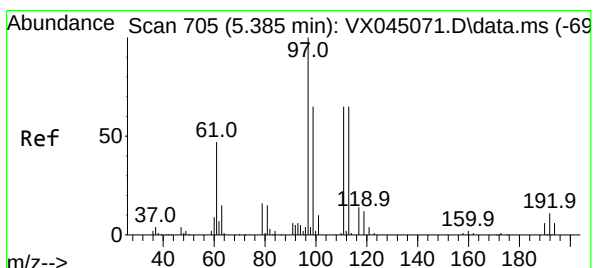
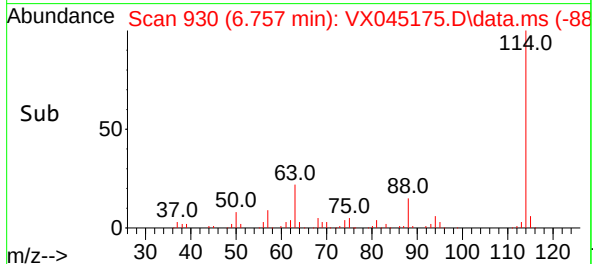
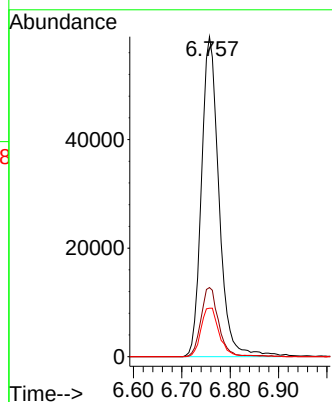
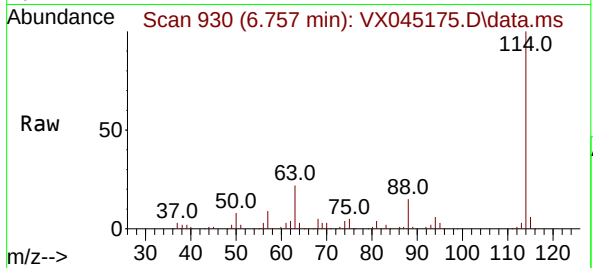




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

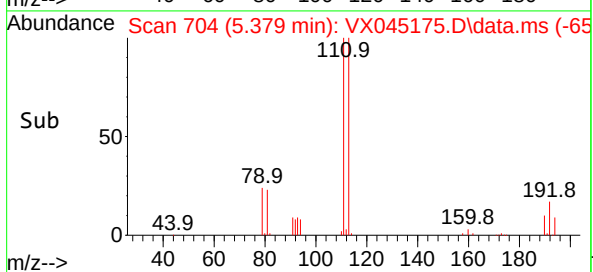
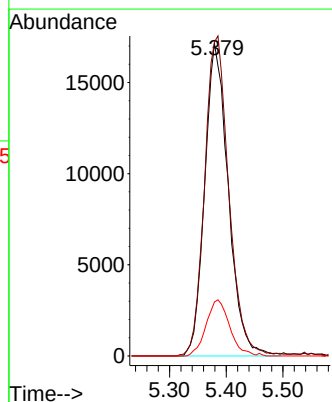
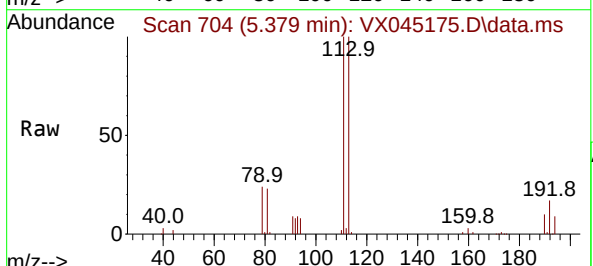
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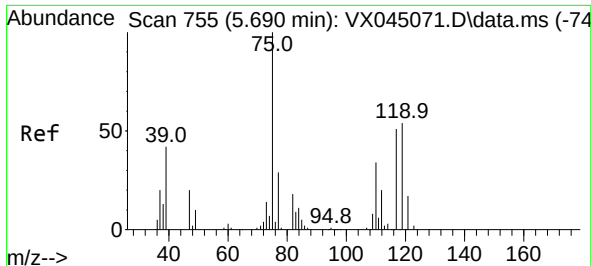
Tgt Ion:114 Resp: 148256
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 15.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.022 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion:113 Resp: 49589
Ion Ratio Lower Upper
113 100
111 105.2 81.8 122.6
192 18.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045175.D

Acq: 06 Mar 2025 17:49

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-SB02

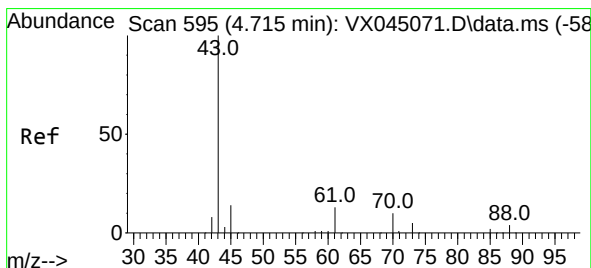
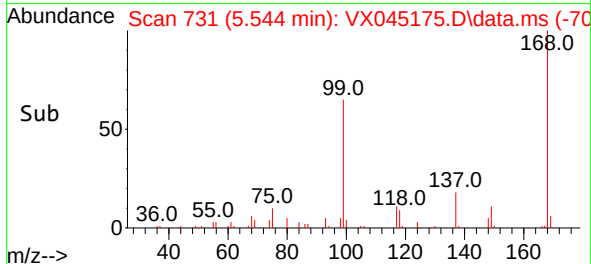
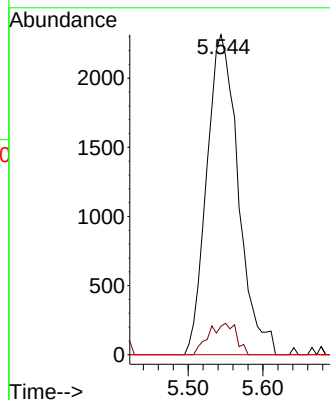
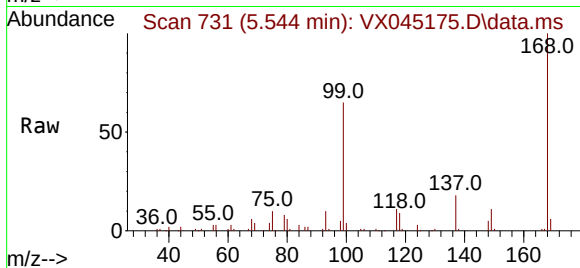
Tgt Ion: 75 Resp: 6796

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.6#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 0.344 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.031 min

Lab File: VX045175.D

Acq: 06 Mar 2025 17:49

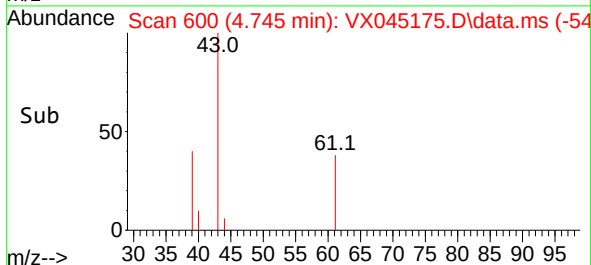
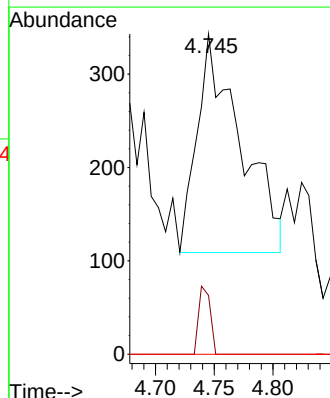
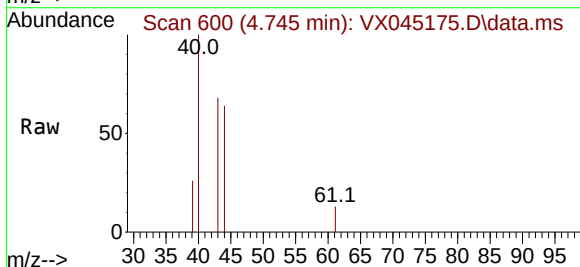
Tgt Ion: 43 Resp: 603

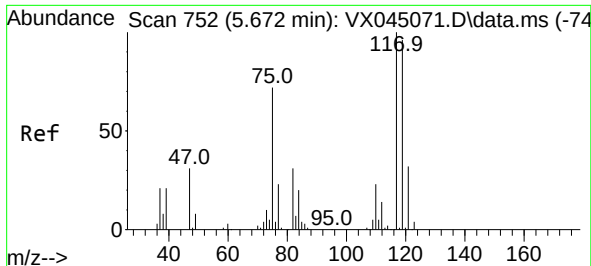
Ion Ratio Lower Upper

43 100

61 8.3 10.8 16.2#

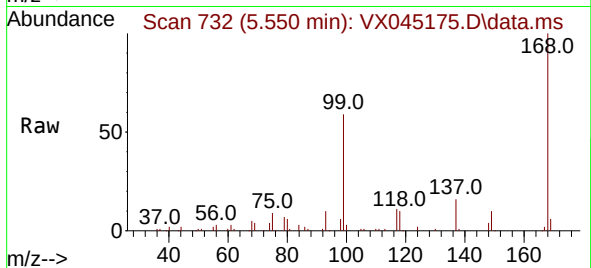
70 0.0 7.7 11.5#



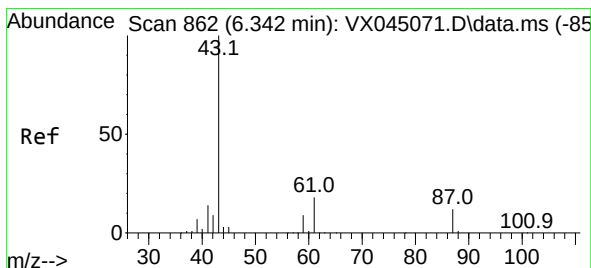
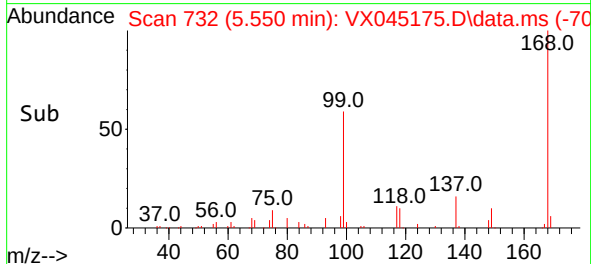
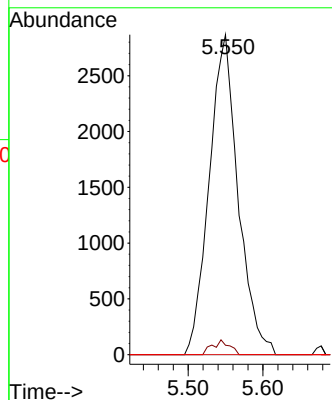


#38
Carbon Tetrachloride
Concen: 5.603 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB02

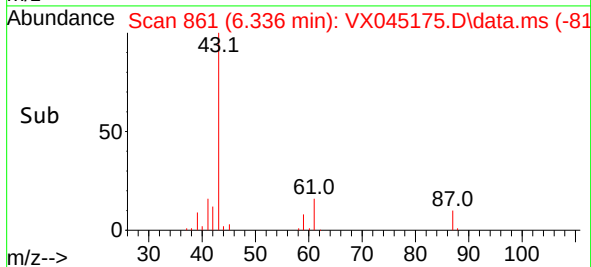
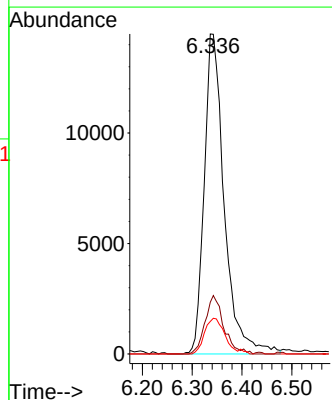
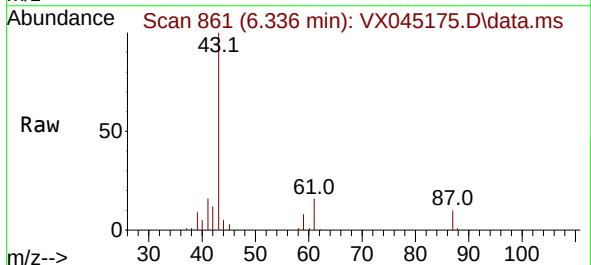


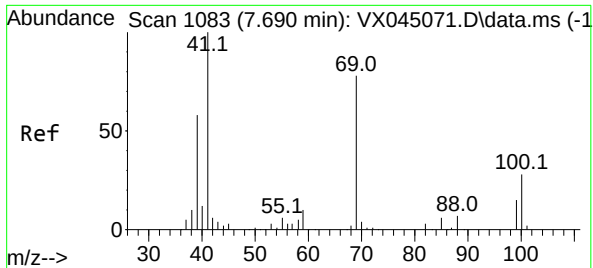
Tgt Ion:117 Resp: 7733
Ion Ratio Lower Upper
117 100
119 3.0 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 15.603 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion: 43 Resp: 40419
Ion Ratio Lower Upper
43 100
61 17.0 14.9 22.3
87 11.4 9.4 14.2

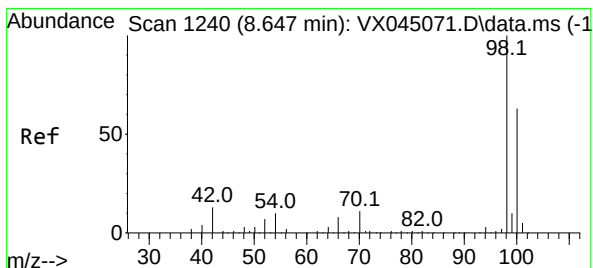
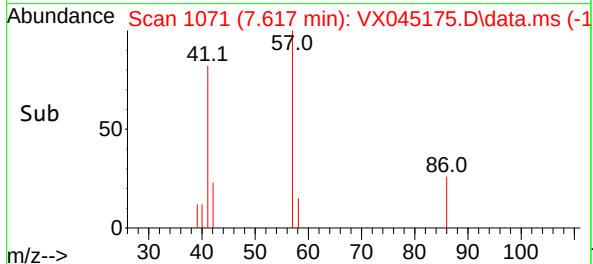
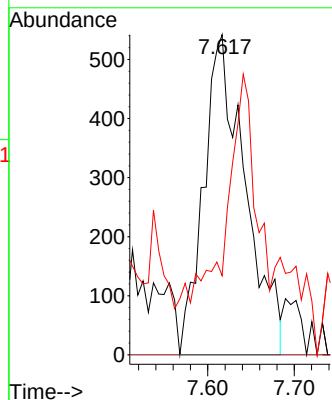
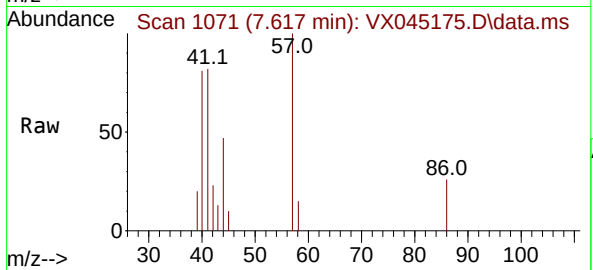




#48
Methyl methacrylate
Concen: 1.384 ug/l
RT: 7.617 min Scan# 1083
Delta R.T. -0.073 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

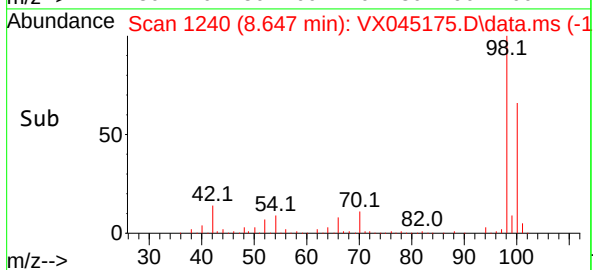
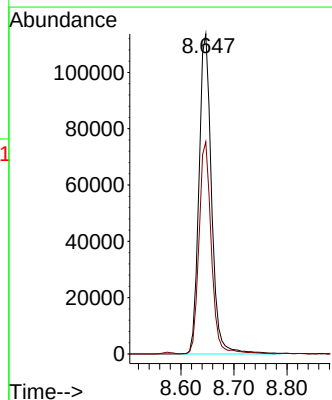
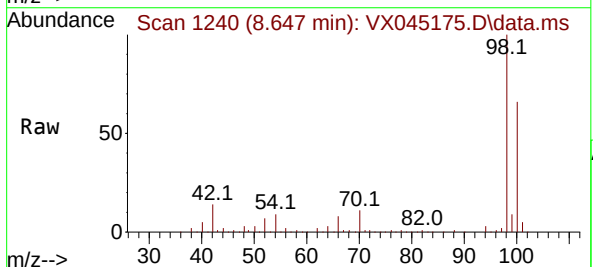
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB02

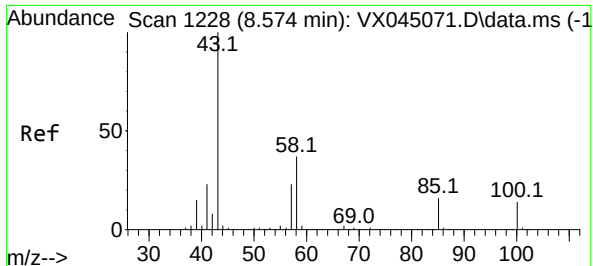
Tgt Ion: 41 Resp: 1799
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 0.0 47.5 71.3#



#50
Toluene-d8
Concen: 52.084 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion: 98 Resp: 187191
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 26.058 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045175.D

Acq: 06 Mar 2025 17:49

Instrument :

MSVOA_X

ClientSampleId :

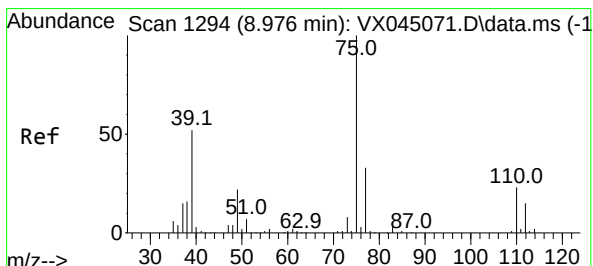
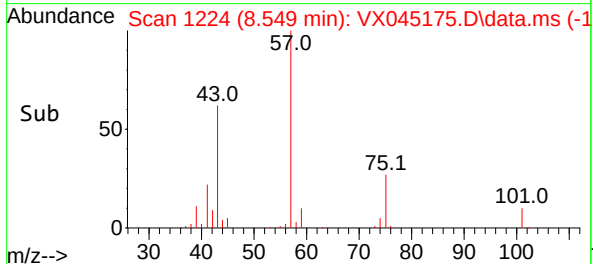
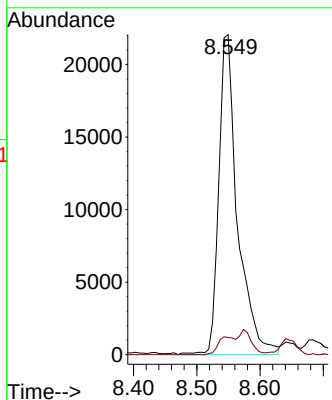
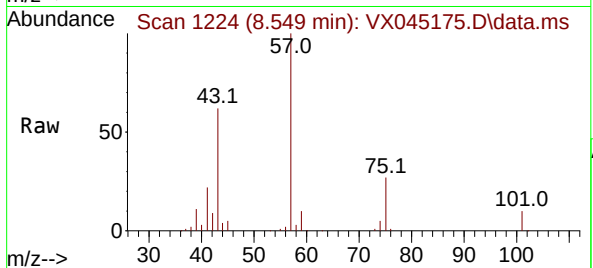
ENV-104-SB02

Tgt Ion: 43 Resp: 45325

Ion Ratio Lower Upper

43 100

58 5.1 29.2 43.8#



#53

t-1,3-Dichloropropene

Concen: 0.209 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX045175.D

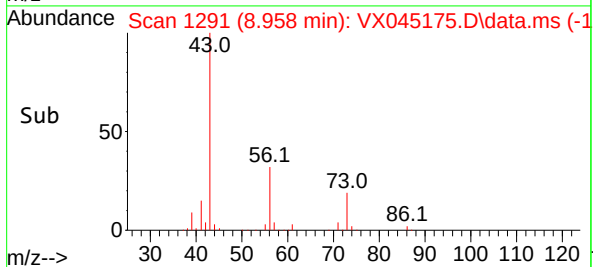
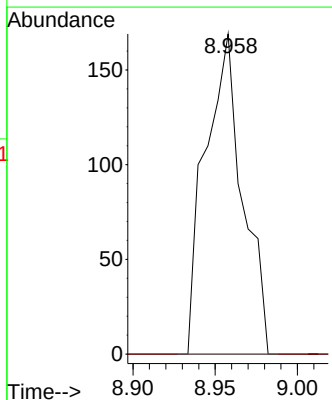
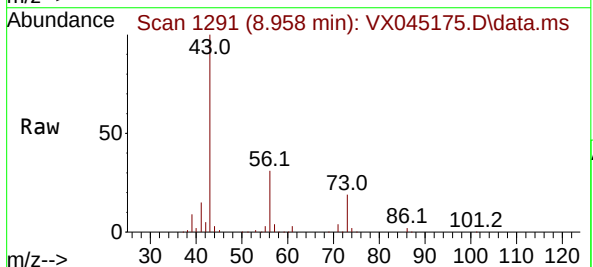
Acq: 06 Mar 2025 17:49

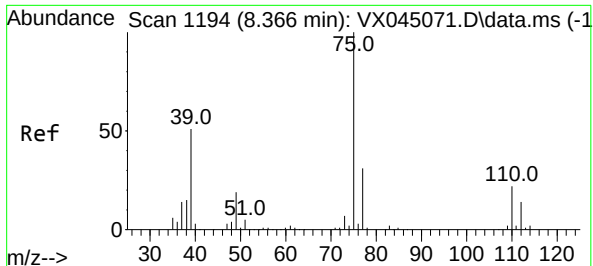
Tgt Ion: 75 Resp: 267

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#

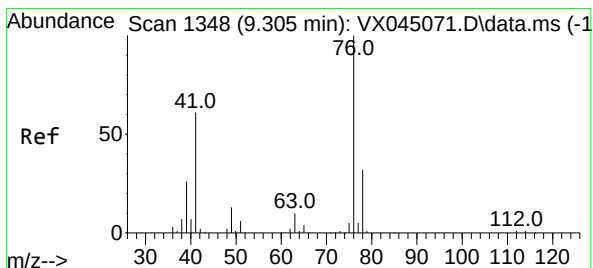
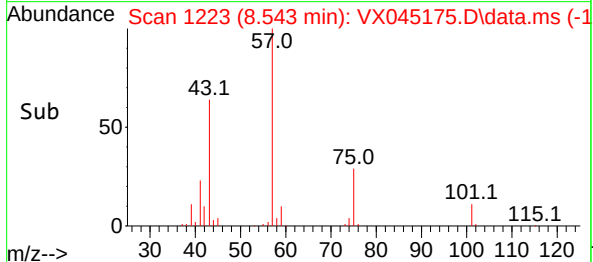
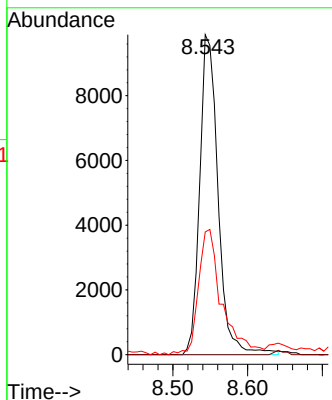
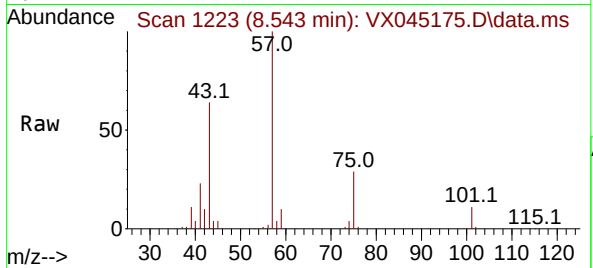




#54
 cis-1,3-Dichloropropene
 Concen: 11.290 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX045175.D
 Acq: 06 Mar 2025 17:49

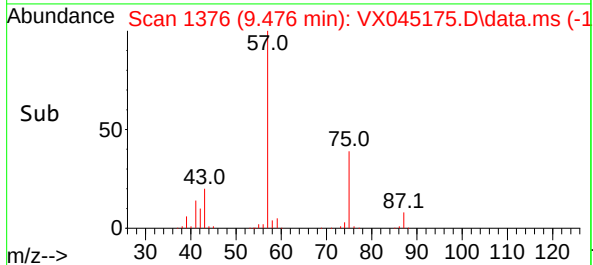
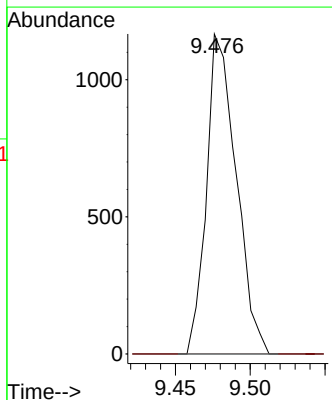
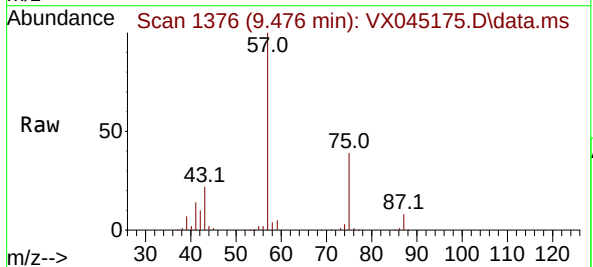
Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-SB02

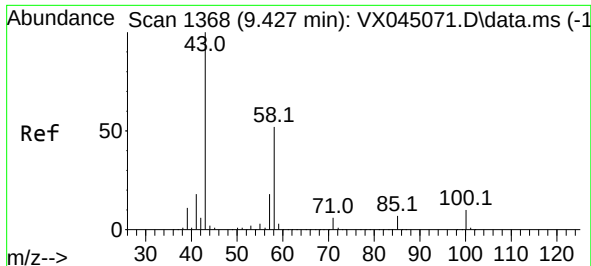
Tgt Ion: 75 Resp: 16843
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 37.7 40.7 61.1#



#57
 1,3-Dichloropropane
 Concen: 0.897 ug/l
 RT: 9.476 min Scan# 1376
 Delta R.T. 0.171 min
 Lab File: VX045175.D
 Acq: 06 Mar 2025 17:49

Tgt Ion: 76 Resp: 1610
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

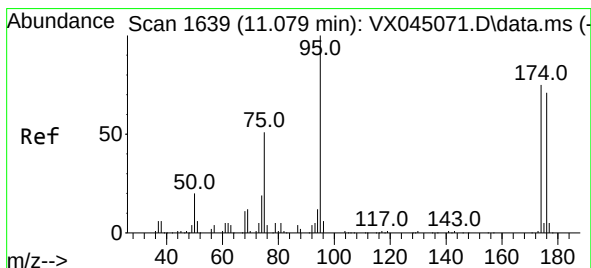
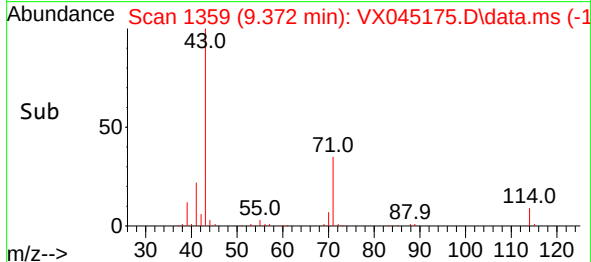
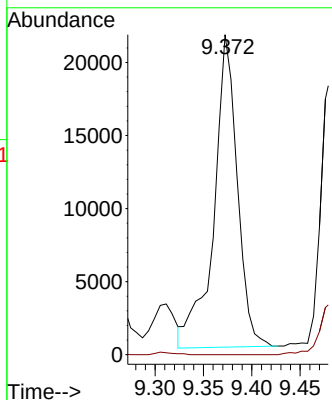
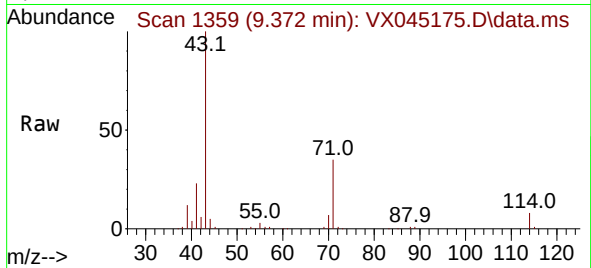




#59
2-Hexanone
Concen: 28.576 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

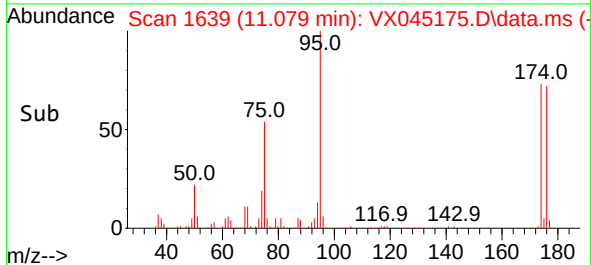
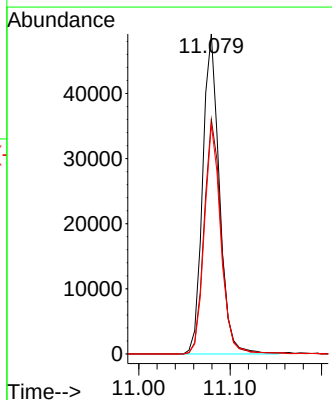
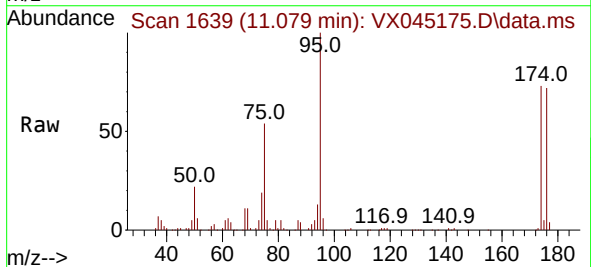
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB02

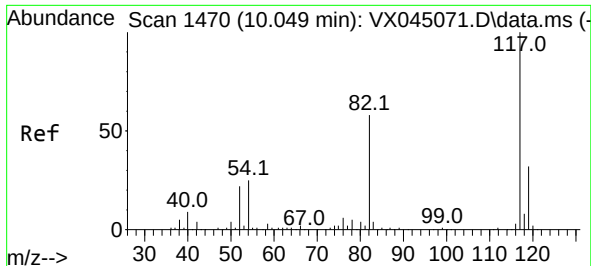
Tgt Ion: 43 Resp: 36013
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 52.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion: 95 Resp: 62513
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.2
176 70.9 0.0 141.4

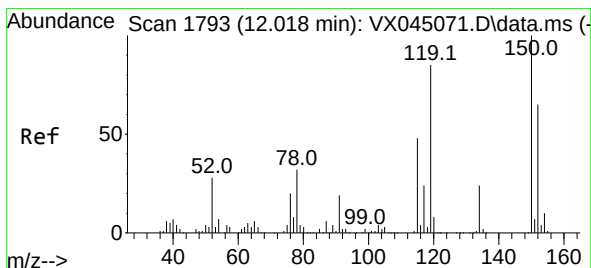
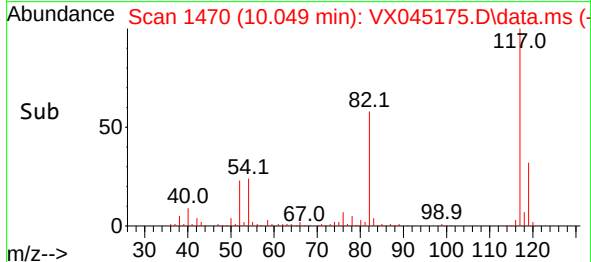
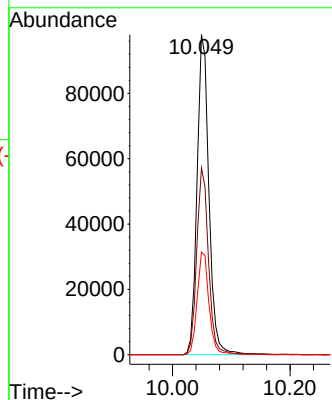
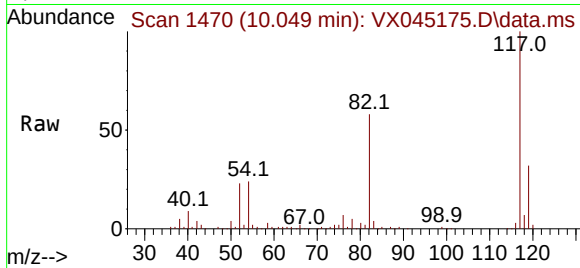




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

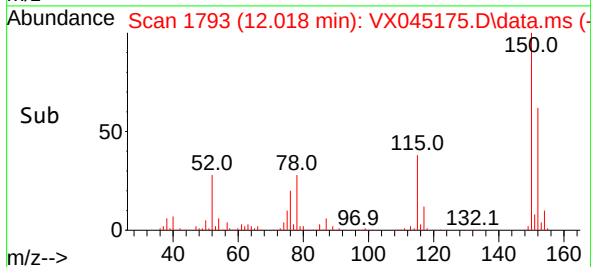
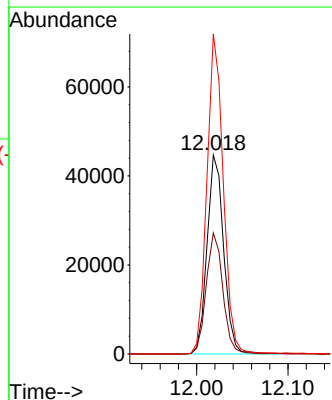
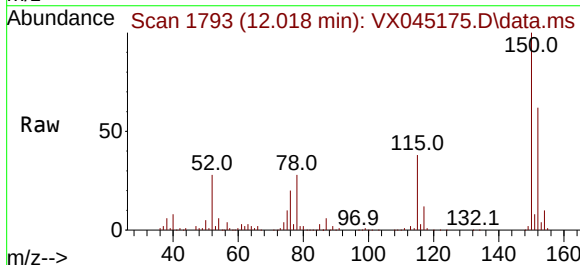
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB02

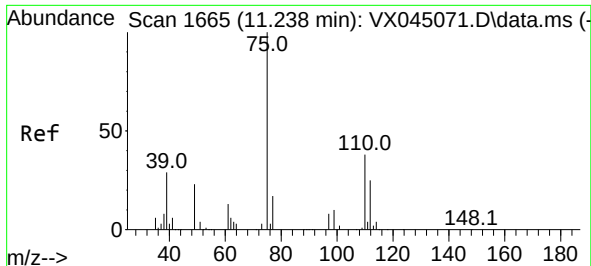
Tgt Ion:117 Resp: 137450
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion:152 Resp: 56384
Ion Ratio Lower Upper
152 100
115 60.7 44.2 132.6
150 158.4 0.0 349.0

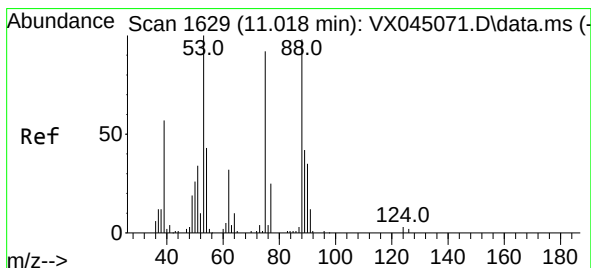
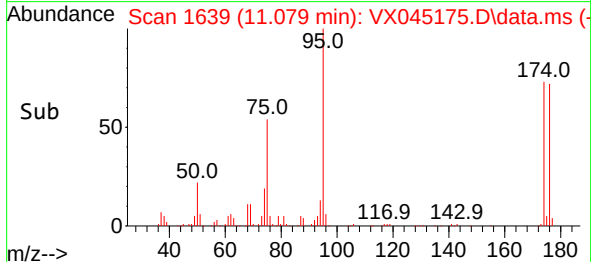
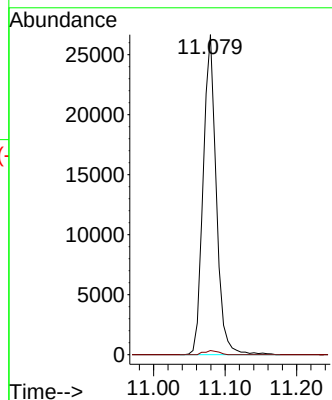
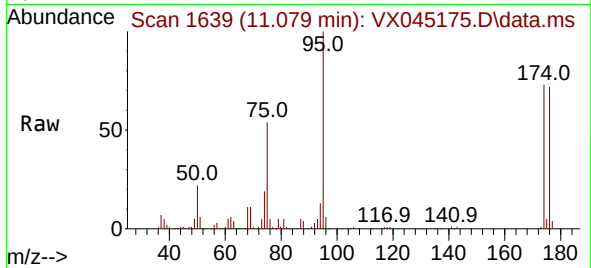




#76
1,2,3-Trichloropropane
Concen: 25.884 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

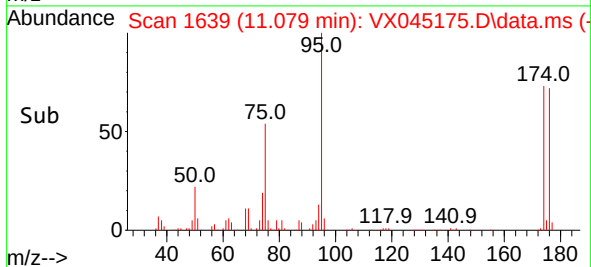
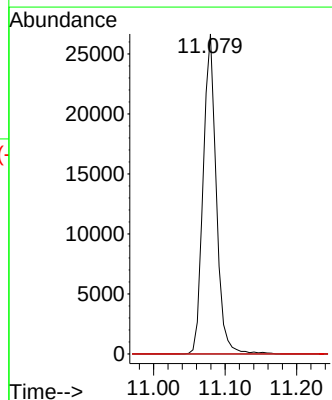
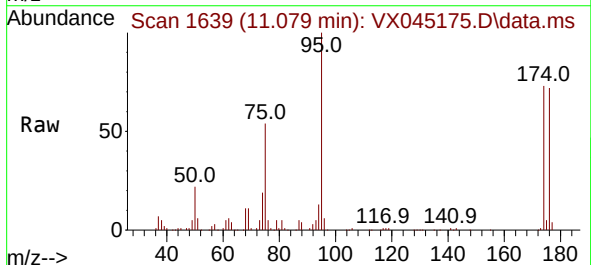
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB02

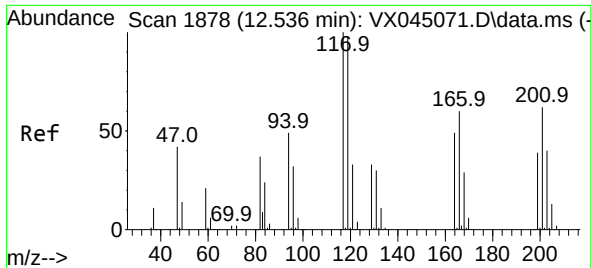
Tgt Ion: 75 Resp: 33969
Ion Ratio Lower Upper
75 100
77 1.4 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.581 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045175.D
Acq: 06 Mar 2025 17:49

Tgt Ion: 75 Resp: 33969
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#





#90

Hexachloroethane

Concen: 0.383 ug/l

RT: 12.603 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX045175.D

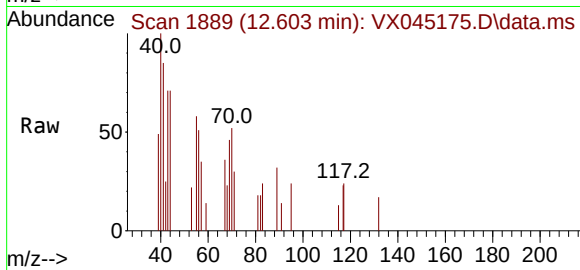
Acq: 06 Mar 2025 17:49

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-SB02



Tgt Ion:117 Resp: 245

Ion Ratio Lower Upper

117 100

201 0.0 31.9 95.9#

