

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045174.D
 Acq On : 06 Mar 2025 17:25
 Operator : JC/MD
 Sample : Q1488-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-SB01

Quant Time: Mar 07 00:47:56 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)

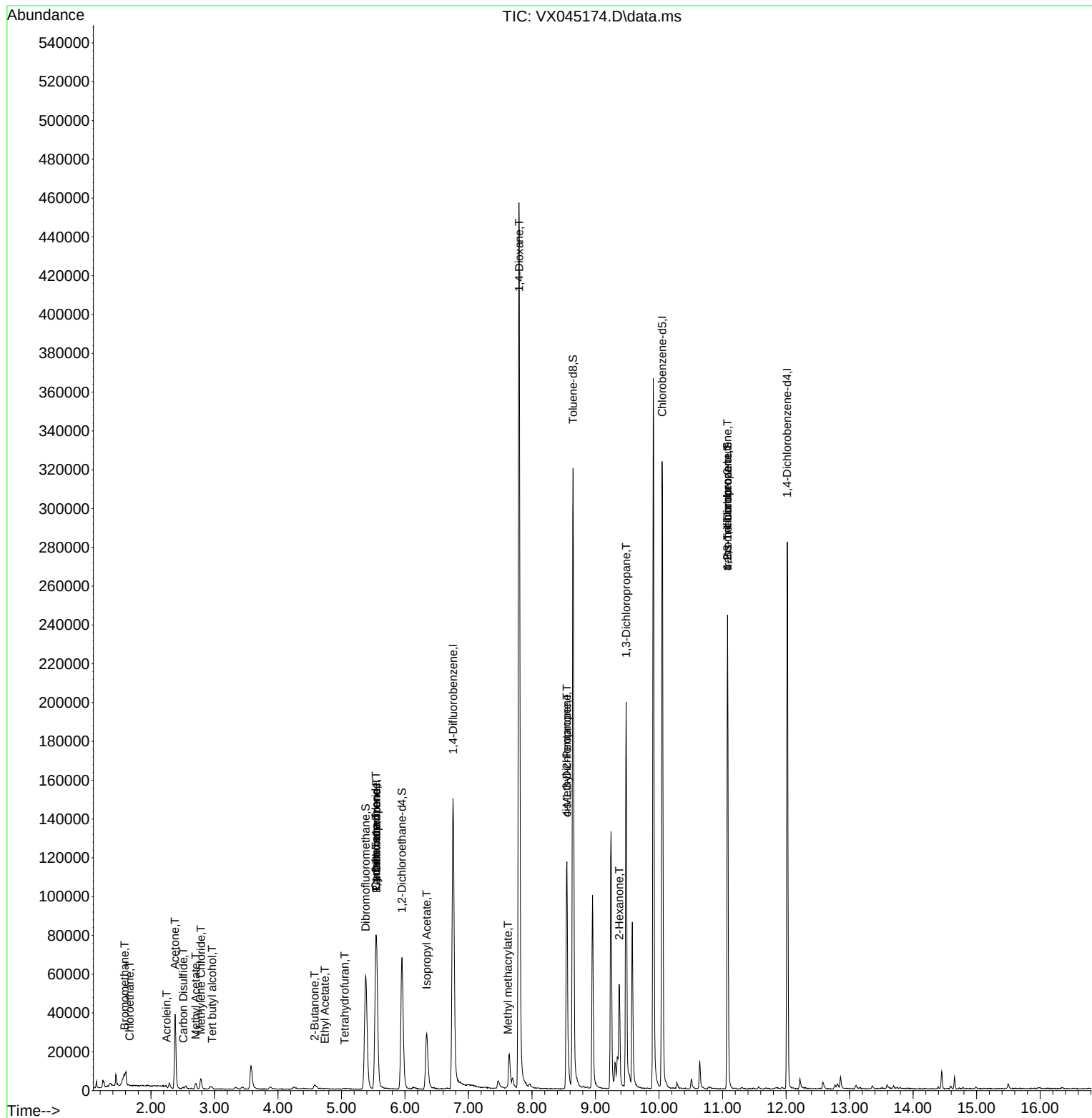
Internal Standards						
1) Pentafluorobenzene	5.550	168	75491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152473	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63445	52.836	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.680%	
35) Dibromofluoromethane	5.379	113	51588	50.599	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.200%	
50) Toluene-d8	8.647	98	190820	51.626	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.260%	
62) 4-Bromofluorobenzene	11.079	95	63521	51.862	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.720%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.587	94	104	0.229	ug/l #	3
6) Chloroethane	1.666	64	180	0.338	ug/l #	41
11) Tert butyl alcohol	2.965	59	1032	4.537	ug/l #	73
13) Acrolein	2.246	56	208	0.791	ug/l #	8
16) Acetone	2.380	43	41961	75.316	ug/l	95
17) Carbon Disulfide	2.508	76	673	0.272	ug/l #	77
18) Methyl Acetate	2.703	43	3776	2.817	ug/l	98
20) Methylene Chloride	2.788	84	2526	2.289	ug/l	89
25) 2-Butanone	4.574	43	4523	5.393	ug/l	97
29) Tetrahydrofuran	5.050	42	350	0.621	ug/l #	71
31) Cyclohexane	5.544	56	2175	1.331	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	7112	5.087	ug/l #	50
37) Ethyl Acetate	4.739	43	670	0.372	ug/l #	70
38) Carbon Tetrachloride	5.544	117	8471	5.968	ug/l #	16
43) Isopropyl Acetate	6.342	43	42994	16.138	ug/l	99
48) Methyl methacrylate	7.623	41	2047	1.532	ug/l #	15
49) 1,4-Dioxane	7.799	88	60	2.128	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	48285	26.992	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	19826	12.922	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1763	0.955	ug/l #	43
59) 2-Hexanone	9.372	43	43538	33.592	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	34694	26.875	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34694	91.972	ug/l #	6

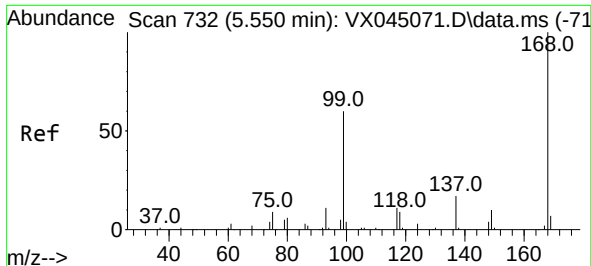
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045174.D
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Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

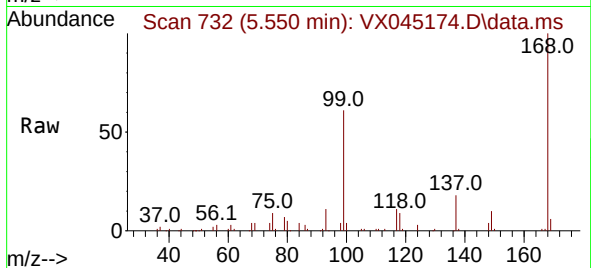
Quant Time: Mar 07 00:47:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



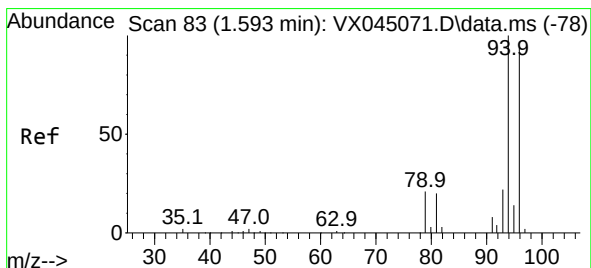
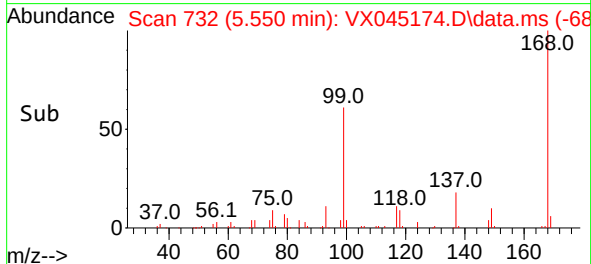
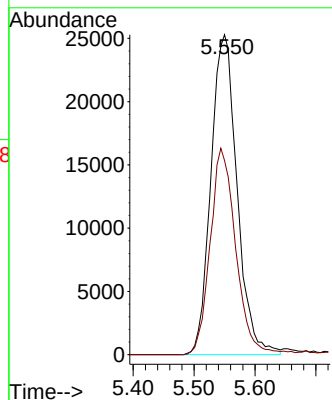


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

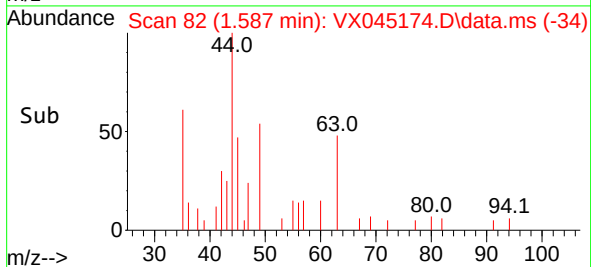
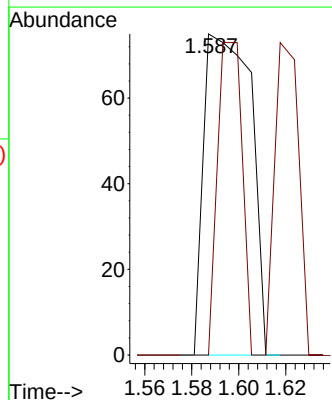
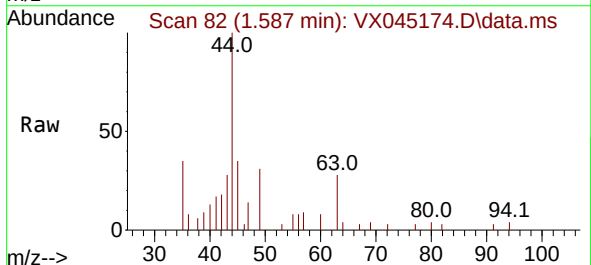


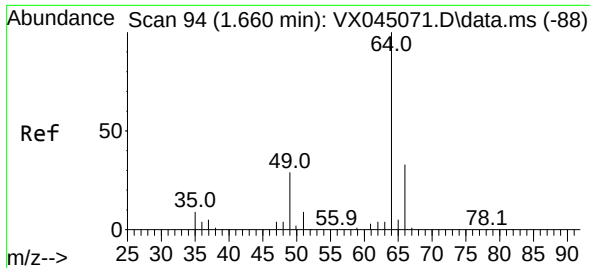
Tgt Ion:168 Resp: 75491
Ion Ratio Lower Upper
168 100
99 60.7 48.2 72.4



#5
Bromomethane
Concen: 0.229 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.006 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 94 Resp: 104
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

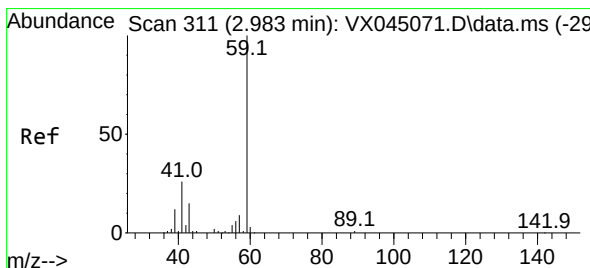
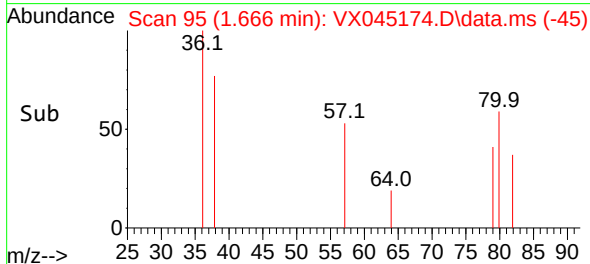
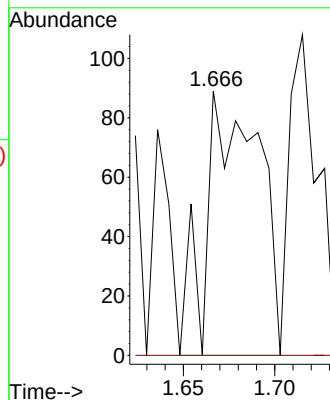
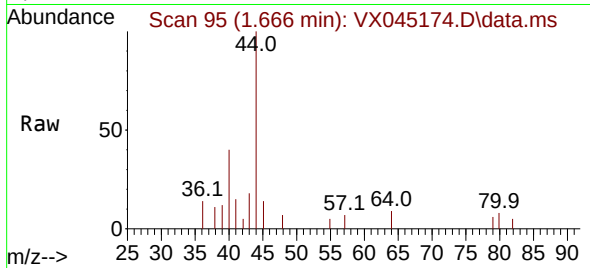




#6
Chloroethane
Concen: 0.338 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

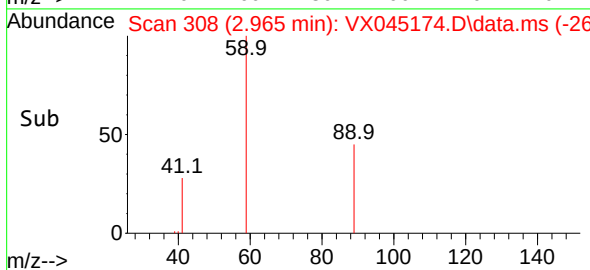
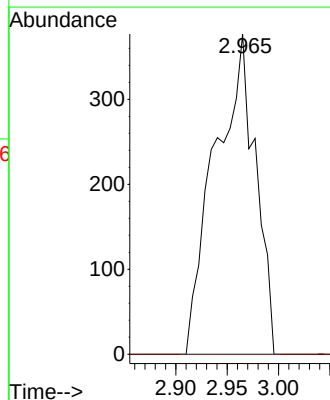
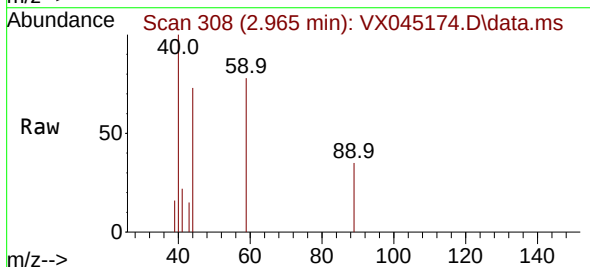
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

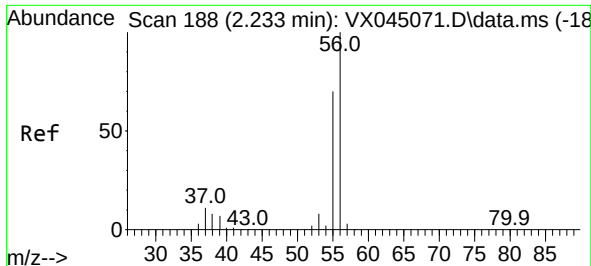
Tgt Ion: 64 Resp: 180
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#11
Tert butyl alcohol
Concen: 4.537 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 59 Resp: 1032
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

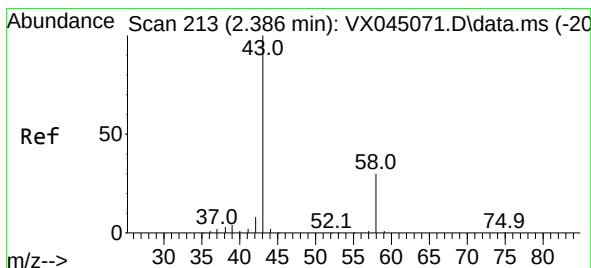
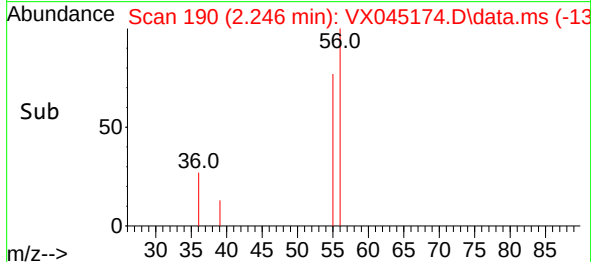
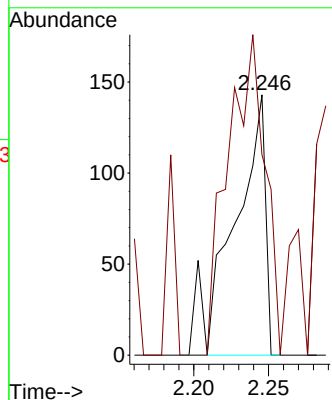
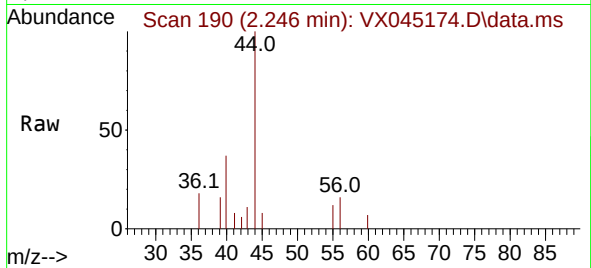




#13
Acrolein
Concen: 0.791 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

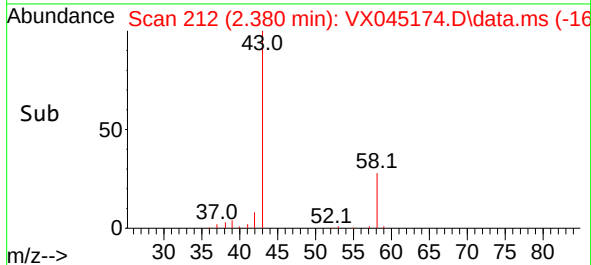
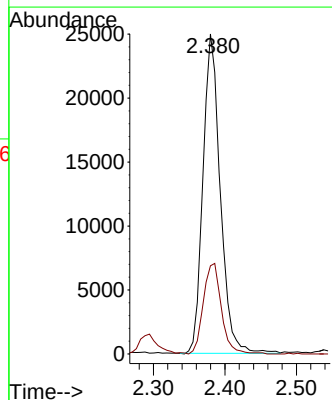
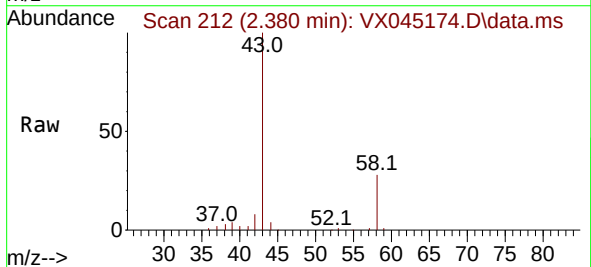
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

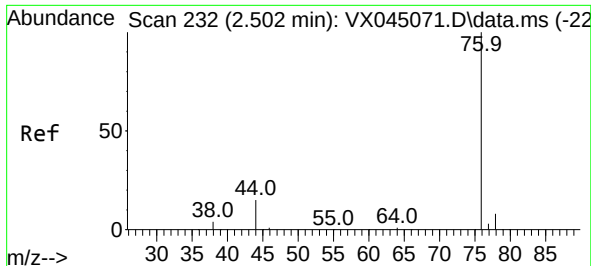
Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 146.2 56.2 84.4#



#16
Acetone
Concen: 75.316 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 43 Resp: 41961
Ion Ratio Lower Upper
43 100
58 27.6 24.2 36.4

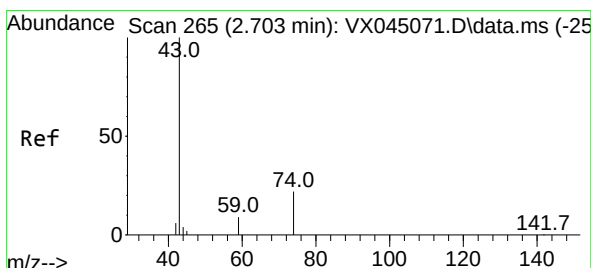
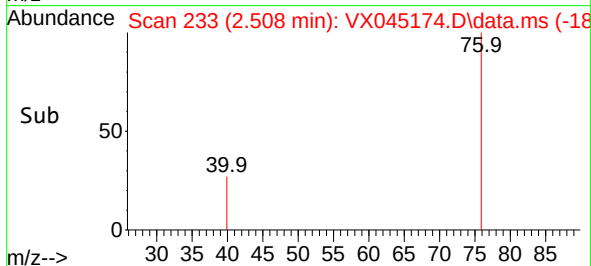
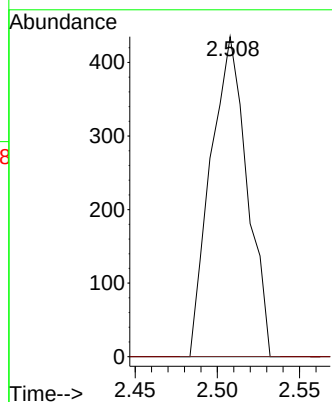
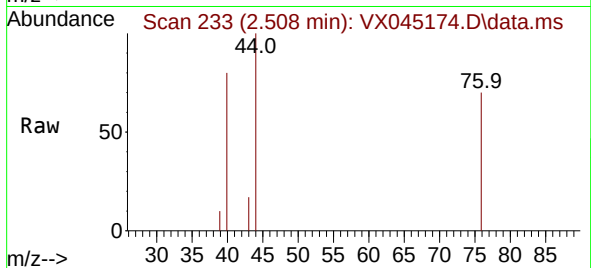




#17
Carbon Disulfide
Concen: 0.272 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

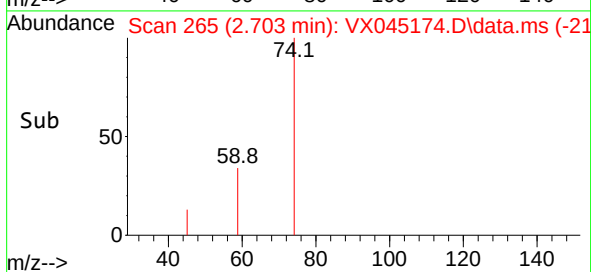
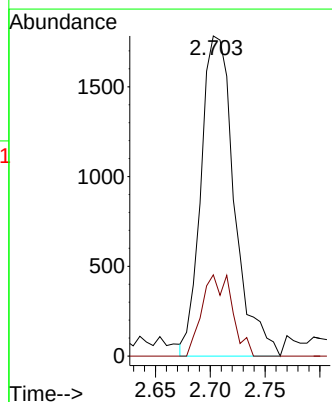
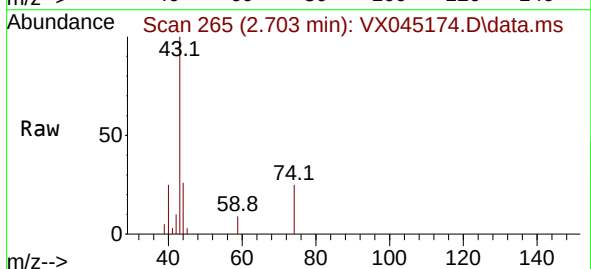
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

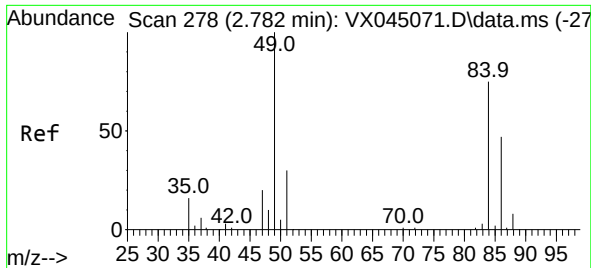
Tgt Ion: 76 Resp: 673
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#18
Methyl Acetate
Concen: 2.817 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 43 Resp: 3776
Ion Ratio Lower Upper
43 100
74 22.9 17.4 26.2

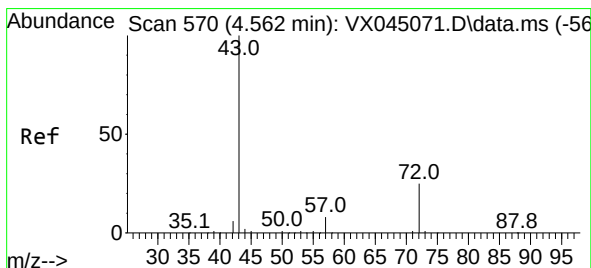
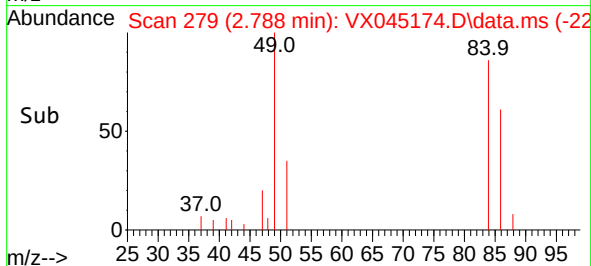
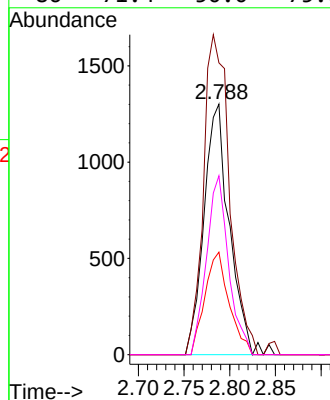
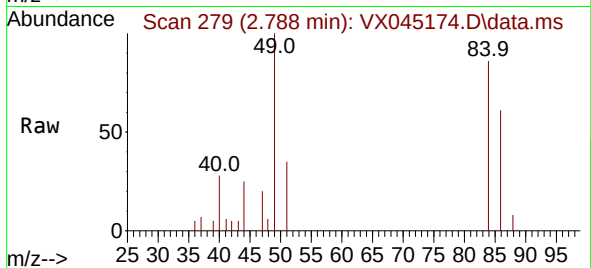




#20
Methylene Chloride
Concen: 2.289 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

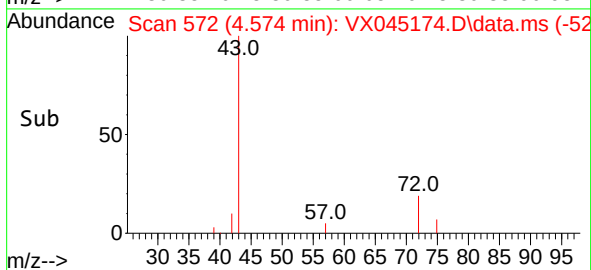
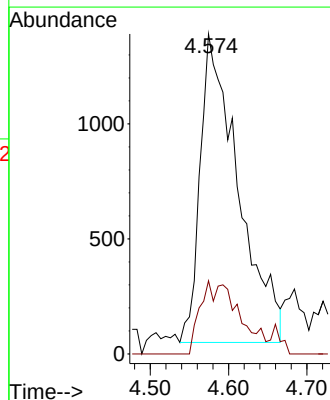
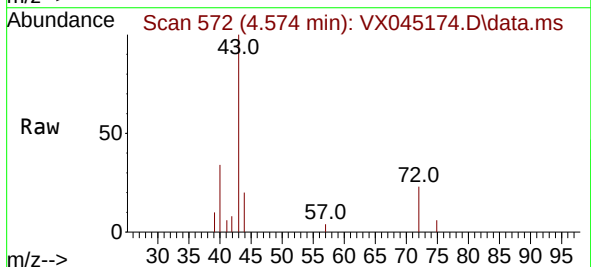
Instrument :
MSVOA_X
ClientSampleId :
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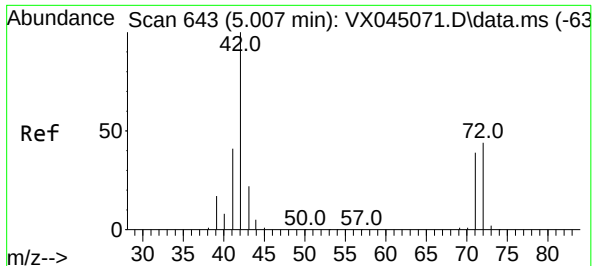
Tgt Ion: 84	Resp: 2526
Ion Ratio	Lower Upper
84 100	
49 116.5	106.5 159.7
51 41.0	32.1 48.1
86 71.4	50.0 75.0



#25
2-Butanone
Concen: 5.393 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 43	Resp: 4523		
Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.0	30.0





#29

Tetrahydrofuran

Concen: 0.621 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX045174.D

Acq: 06 Mar 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-SB01

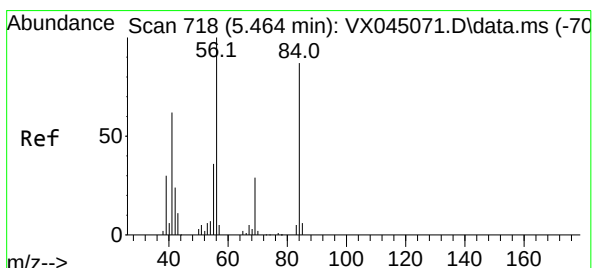
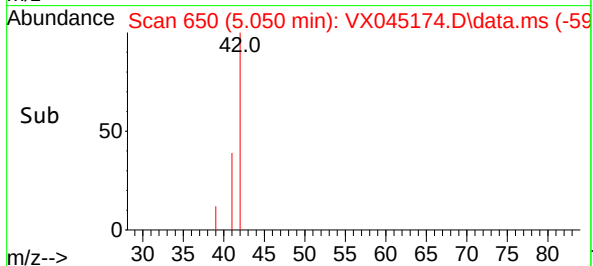
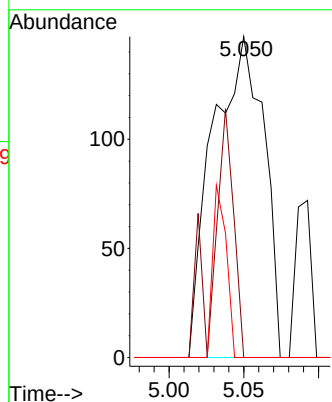
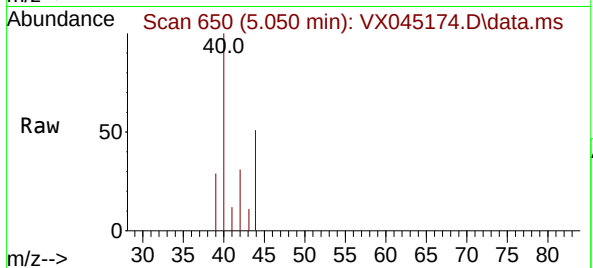
Tgt Ion: 42 Resp: 350

Ion Ratio Lower Upper

42 100

72 31.1 34.1 51.1#

71 14.3 31.4 47.0#



#31

Cyclohexane

Concen: 1.331 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045174.D

Acq: 06 Mar 2025 17:25

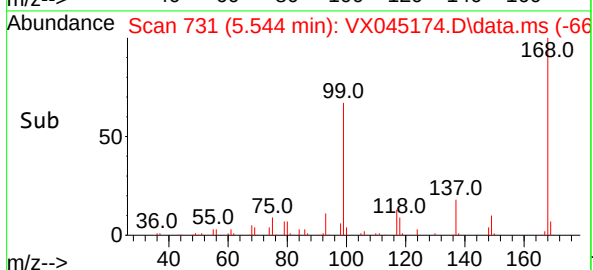
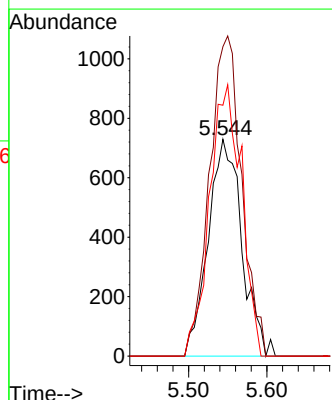
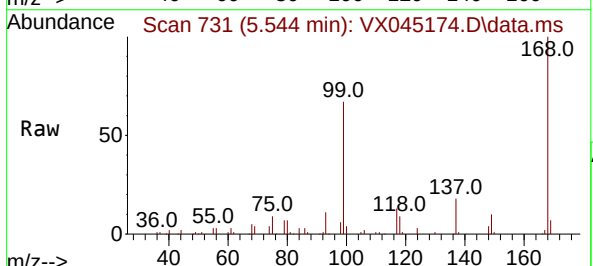
Tgt Ion: 56 Resp: 2175

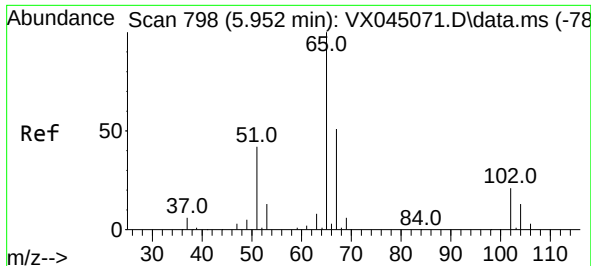
Ion Ratio Lower Upper

56 100

69 142.8 23.4 35.2#

84 115.8 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 52.836 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045174.D

Acq: 06 Mar 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

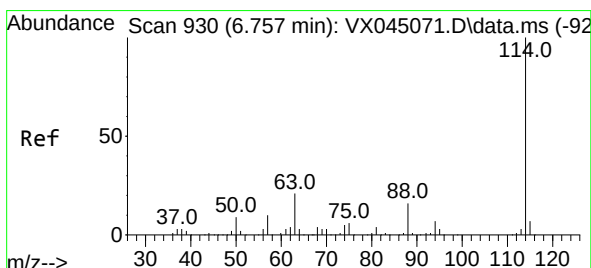
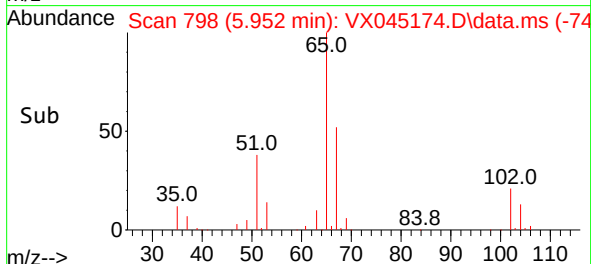
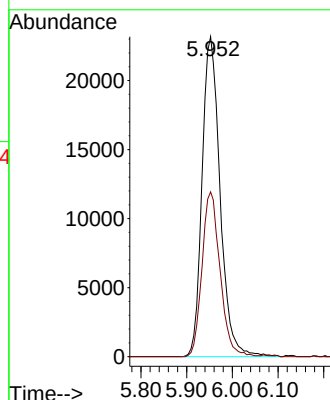
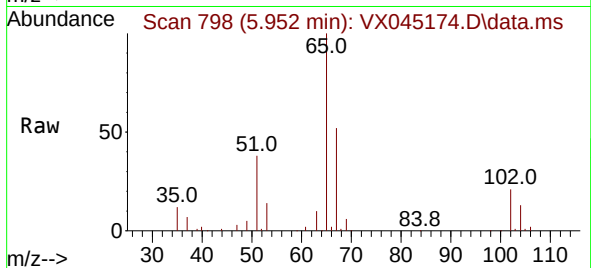
ENV-104-SB01

Tgt Ion: 65 Resp: 63445

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# 930

Delta R.T. 0.000 min

Lab File: VX045174.D

Acq: 06 Mar 2025 17:25

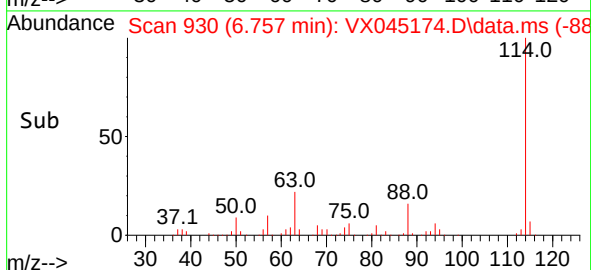
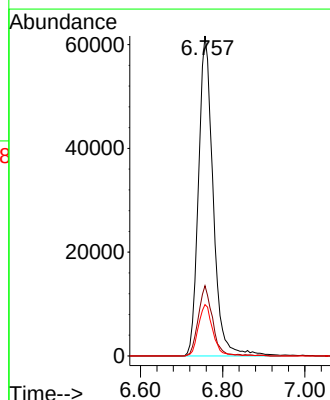
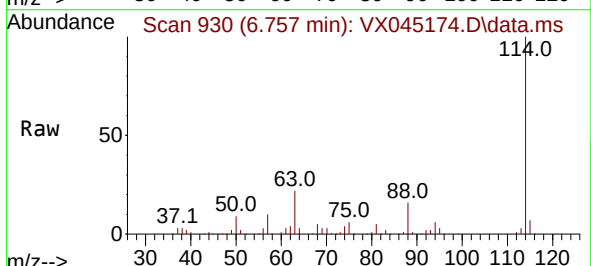
Tgt Ion: 114 Resp: 152473

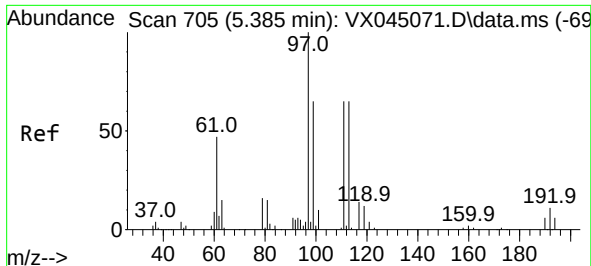
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 16.0 0.0 32.8

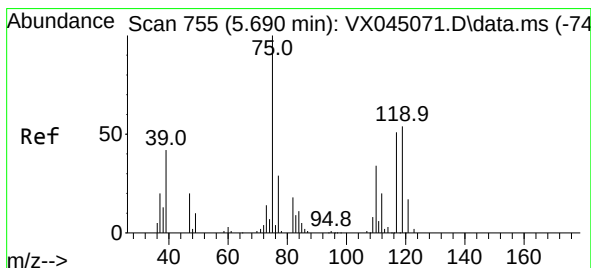
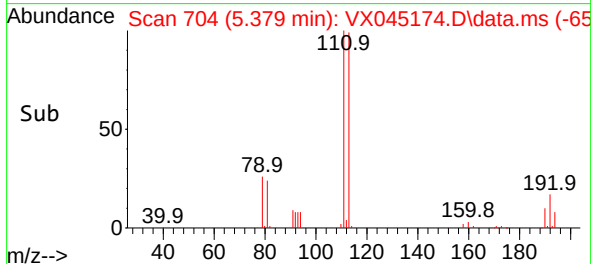
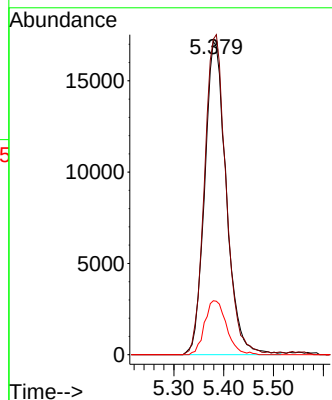
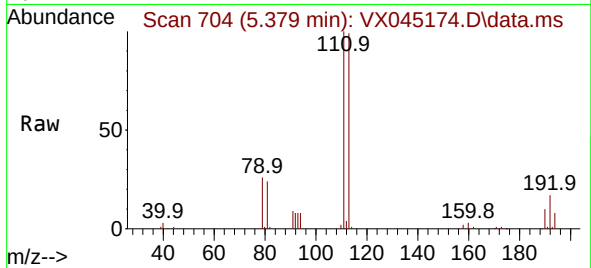




#35
Dibromofluoromethane
Concen: 50.599 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

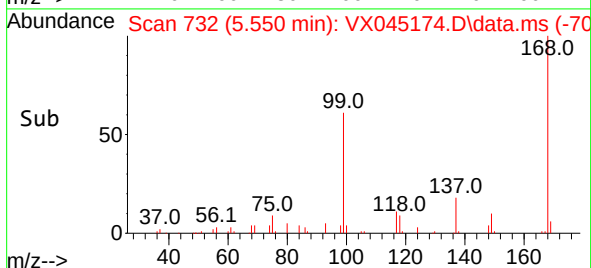
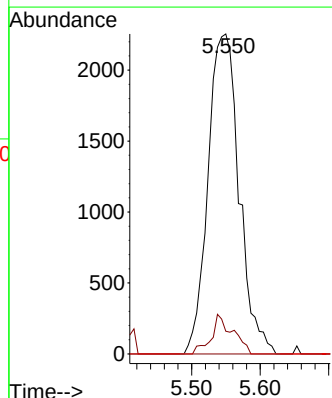
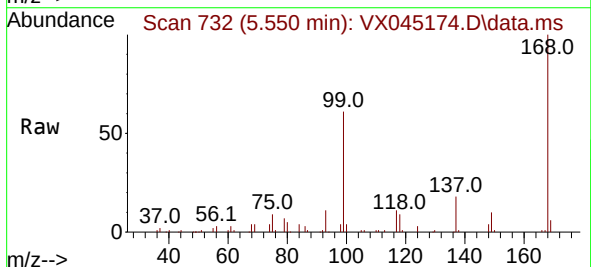
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

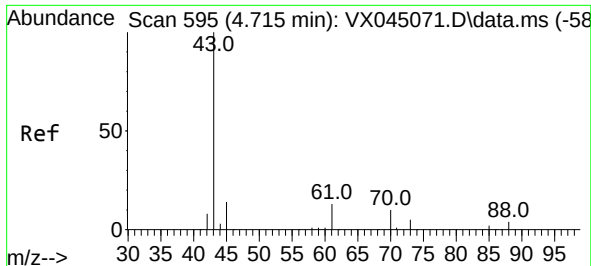
Tgt Ion:113 Resp: 51588
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.087 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 75 Resp: 7112
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.6#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 0.372 ug/l

RT: 4.739 min Scan# 595

Delta R.T. 0.024 min

Lab File: VX045174.D

Acq: 06 Mar 2025 17:25

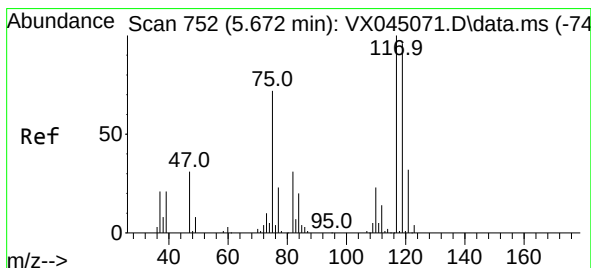
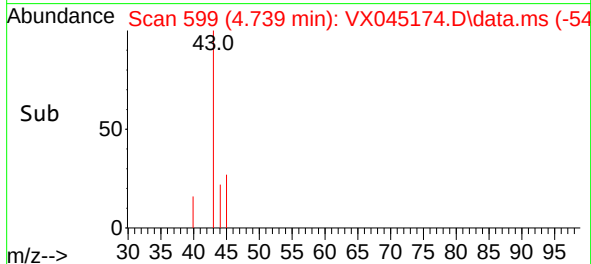
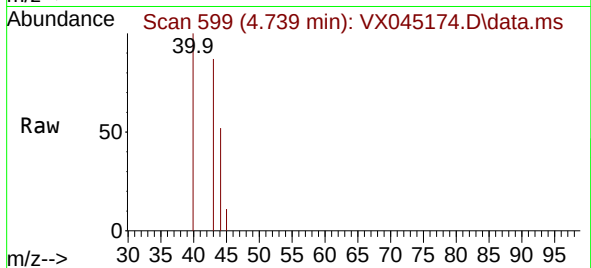
Instrument :

MSVOA_X

ClientSampleId :

ENV-104-SB01

Tgt Ion:	43	Resp:	670
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#



#38

Carbon Tetrachloride

Concen: 5.968 ug/l

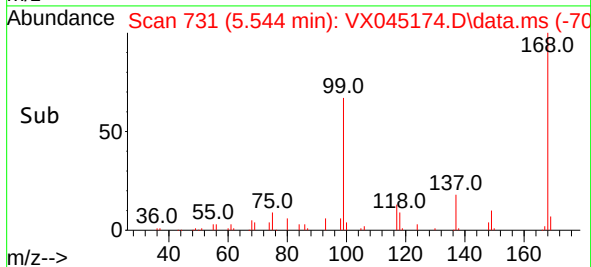
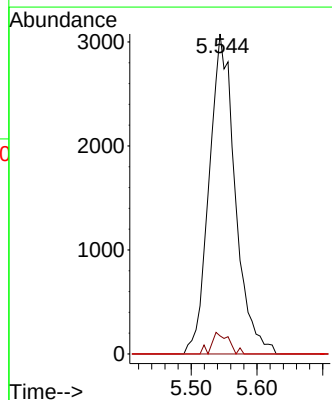
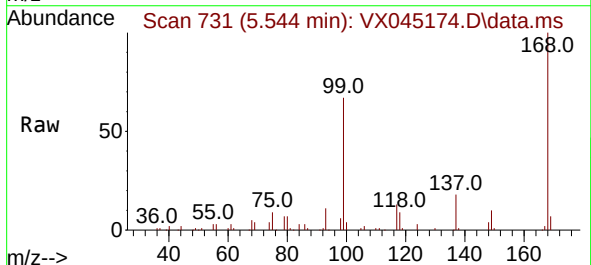
RT: 5.544 min Scan# 731

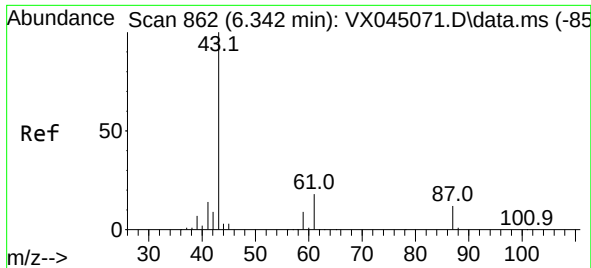
Delta R.T. -0.128 min

Lab File: VX045174.D

Acq: 06 Mar 2025 17:25

Tgt Ion:	117	Resp:	8471
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.7	115.1#
121	0.0	25.5	38.3#

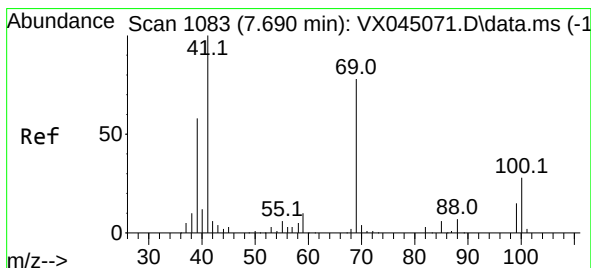
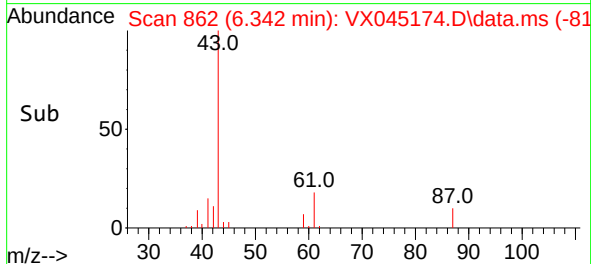
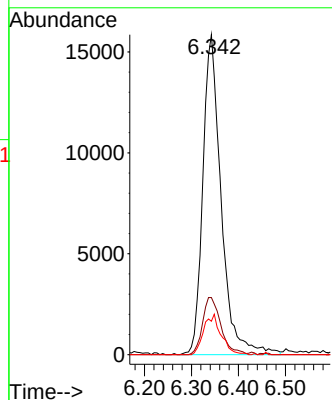
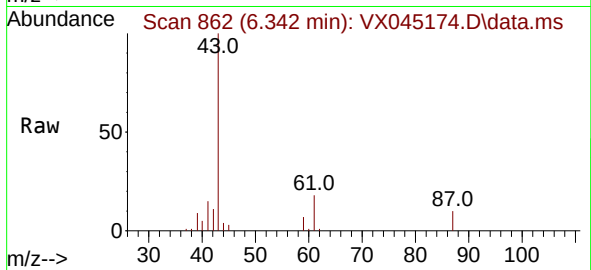




#43
Isopropyl Acetate
Concen: 16.138 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

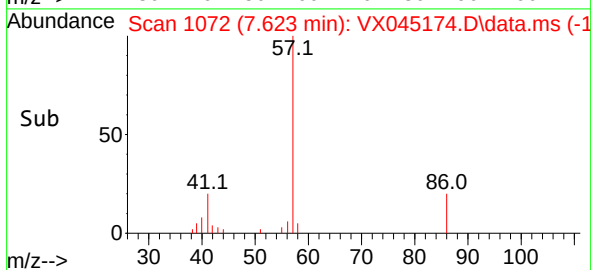
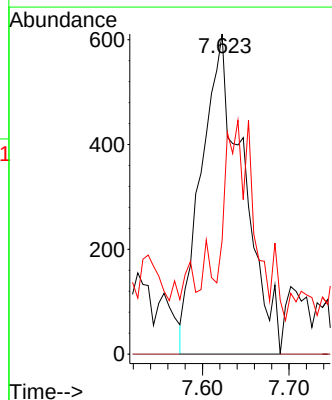
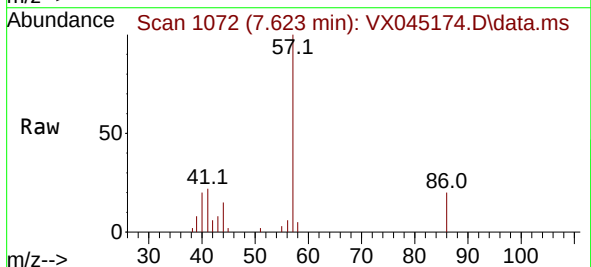
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

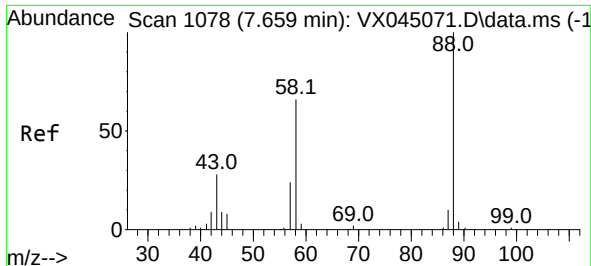
Tgt Ion: 43 Resp: 42994
Ion Ratio Lower Upper
43 100
61 17.9 14.9 22.3
87 12.0 9.4 14.2



#48
Methyl methacrylate
Concen: 1.532 ug/l
RT: 7.623 min Scan# 1072
Delta R.T. -0.067 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 41 Resp: 2047
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 0.0 47.5 71.3#





#49

1,4-Dioxane

Concen: 2.128 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX045174.D

Acq: 06 Mar 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-SB01

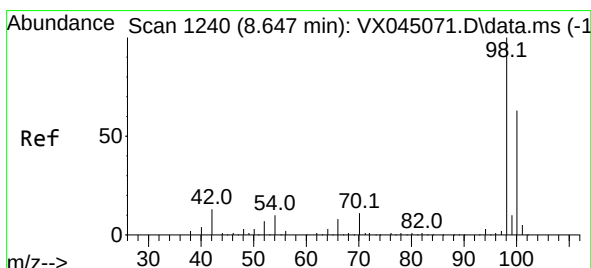
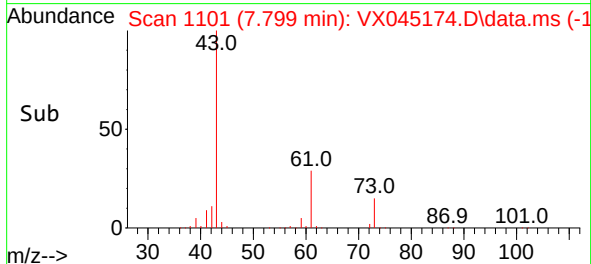
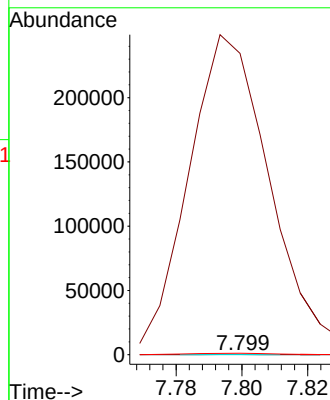
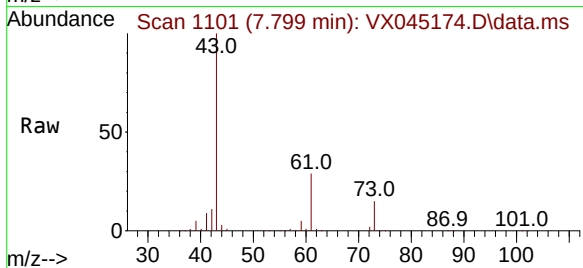
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 743265.0 28.7 43.1#

58 3580.0 55.8 83.8#



#50

Toluene-d8

Concen: 51.626 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045174.D

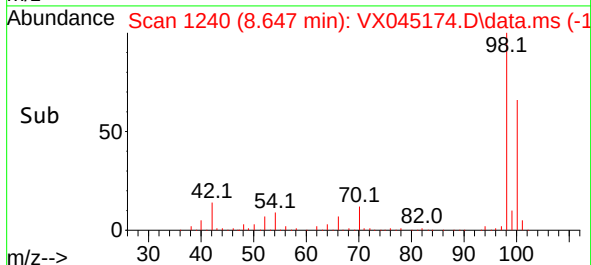
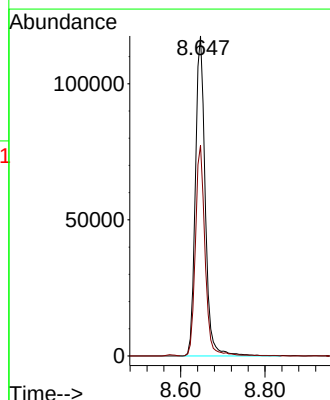
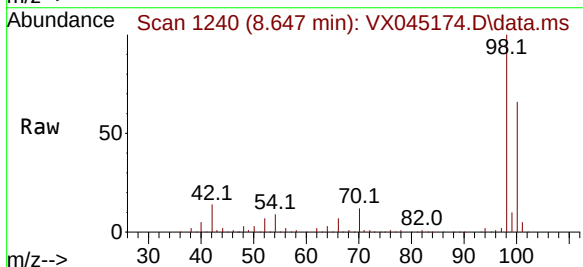
Acq: 06 Mar 2025 17:25

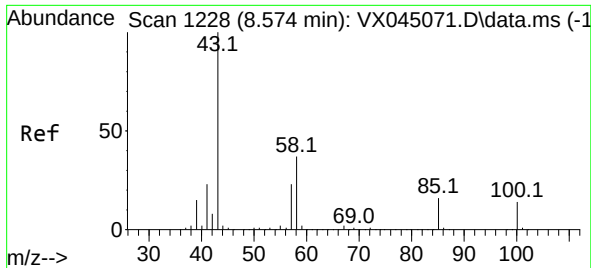
Tgt Ion: 98 Resp: 190820

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

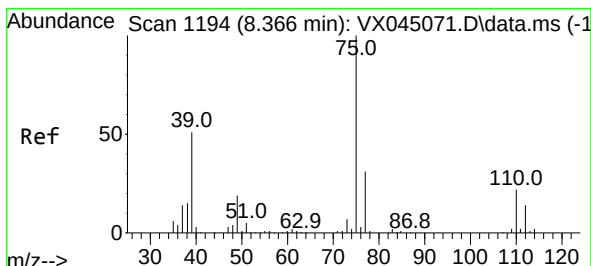
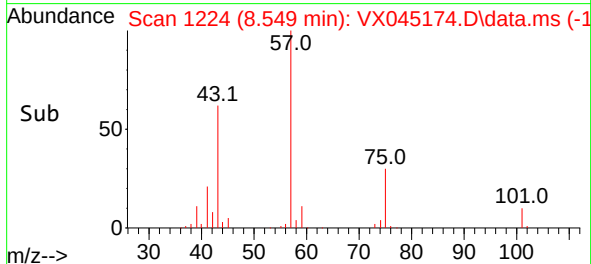
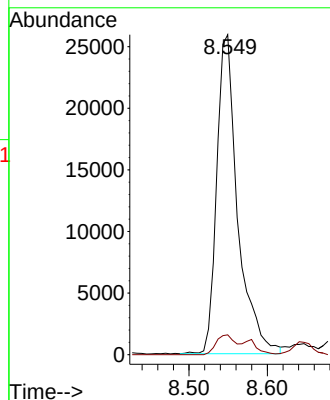
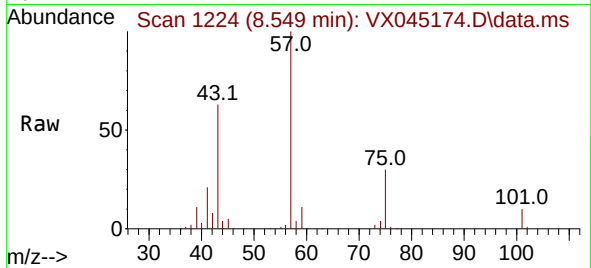




#51
4-Methyl-2-Pentanone
Concen: 26.992 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

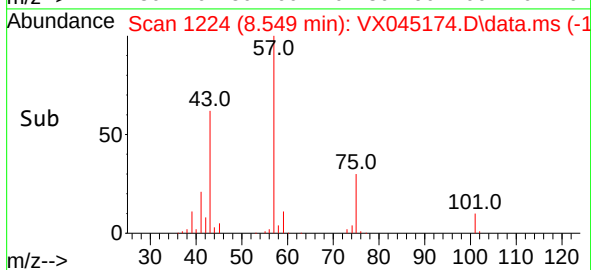
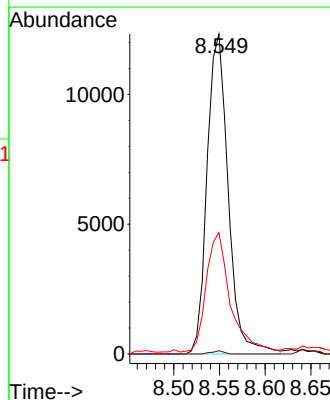
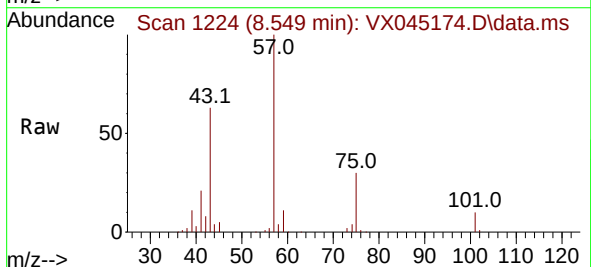
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

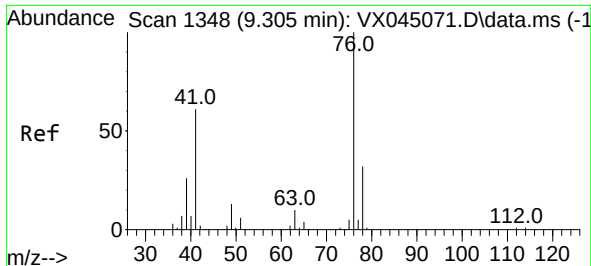
Tgt Ion: 43 Resp: 48285
Ion Ratio Lower Upper
43 100
58 5.5 29.2 43.8#



#54
cis-1,3-Dichloropropene
Concen: 12.922 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 75 Resp: 19826
Ion Ratio Lower Upper
75 100
77 1.0 24.7 37.1#
39 37.4 40.7 61.1#

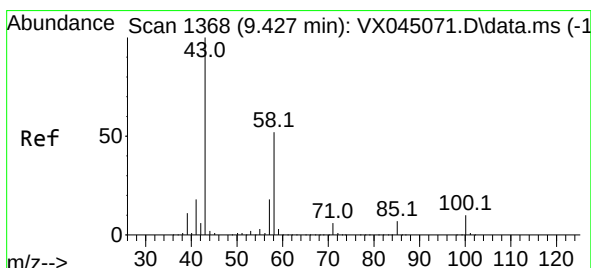
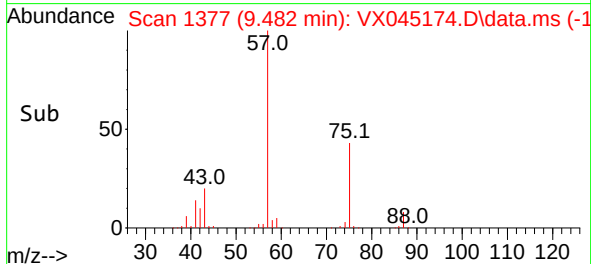
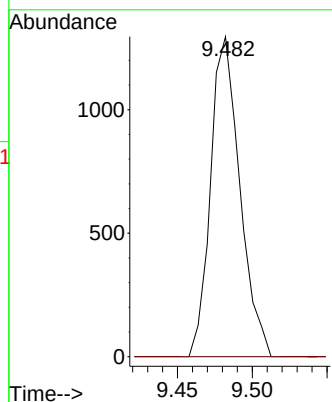
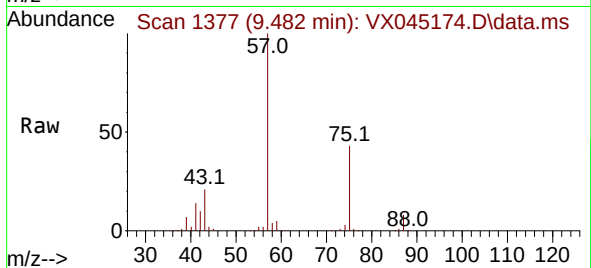




#57
1,3-Dichloropropane
Concen: 0.955 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

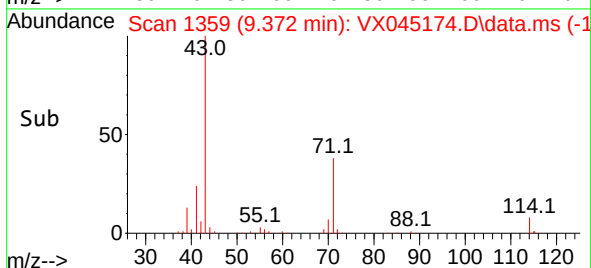
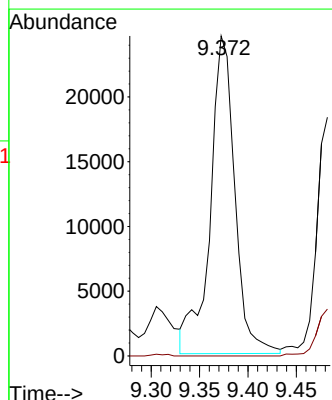
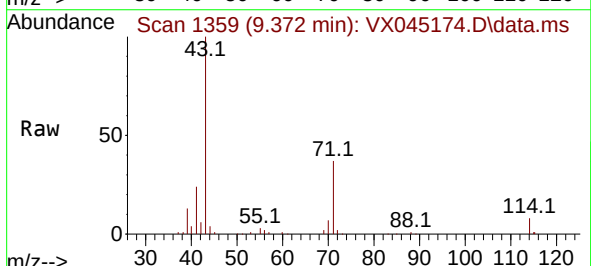
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

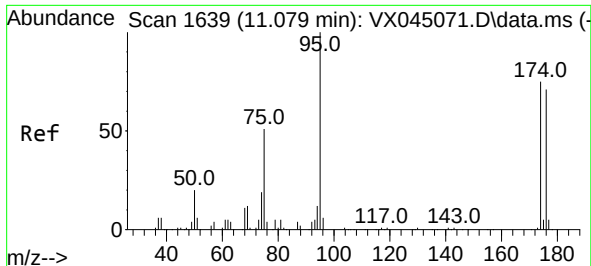
Tgt Ion: 76 Resp: 1763
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 33.592 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 43 Resp: 43538
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#

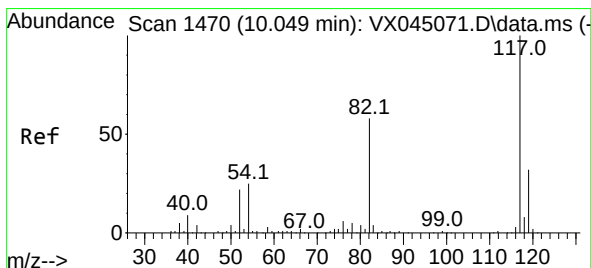
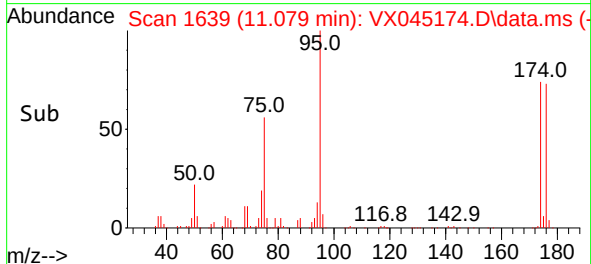
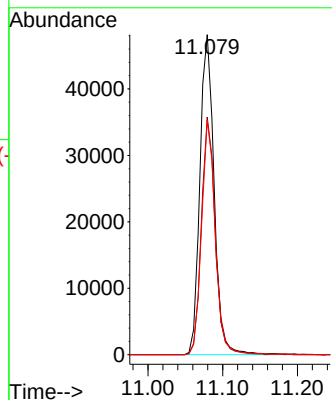
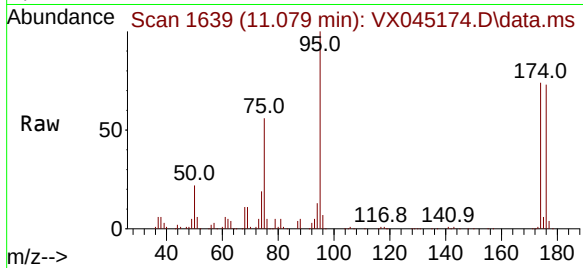




#62
4-Bromofluorobenzene
Concen: 51.862 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

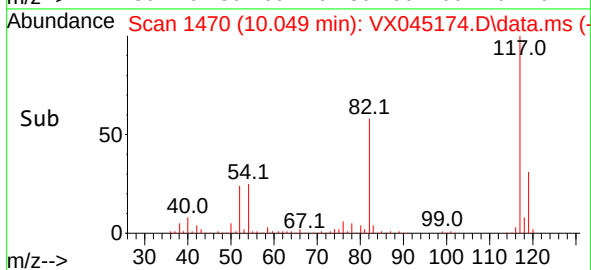
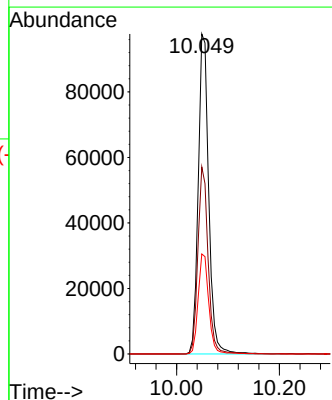
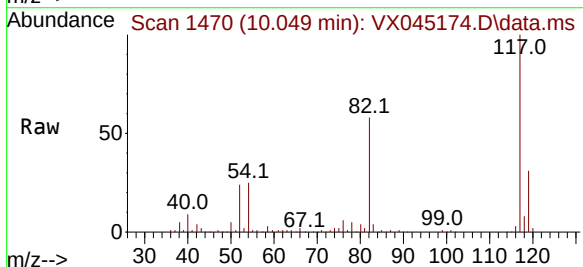
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-SB01

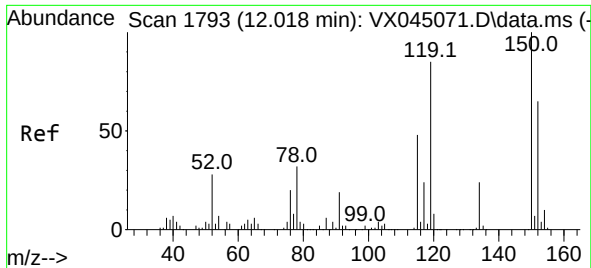
Tgt Ion: 95 Resp: 63521
Ion Ratio Lower Upper
95 100
174 72.6 0.0 148.2
176 70.4 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045174.D
Acq: 06 Mar 2025 17:25

Tgt Ion: 117 Resp: 138291
Ion Ratio Lower Upper
117 100
82 58.5 46.3 69.5
119 31.2 25.7 38.5

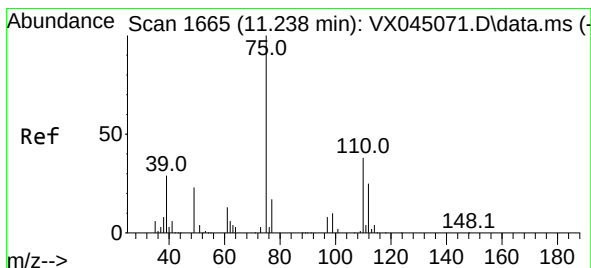
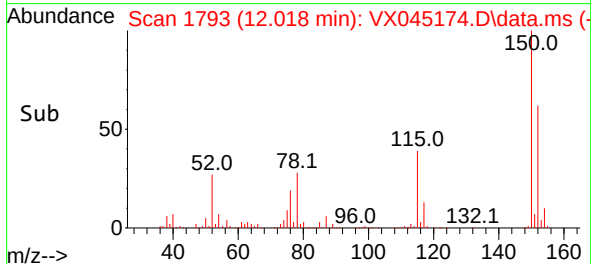
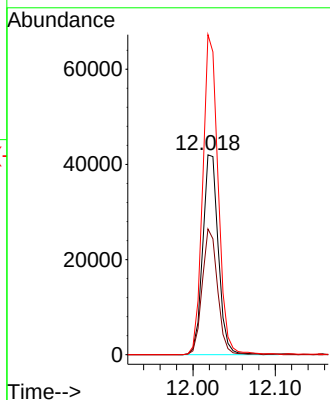
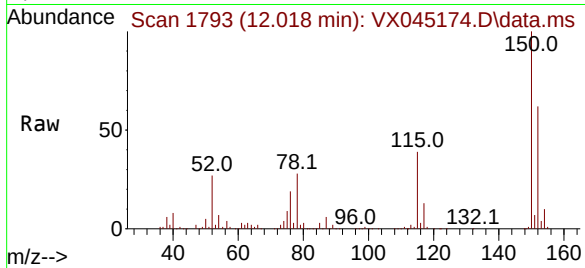




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045174.D
 Acq: 06 Mar 2025 17:25

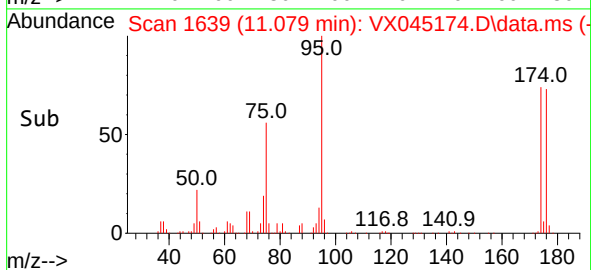
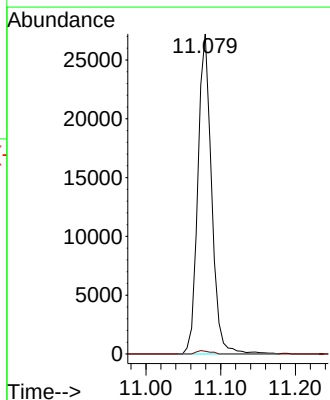
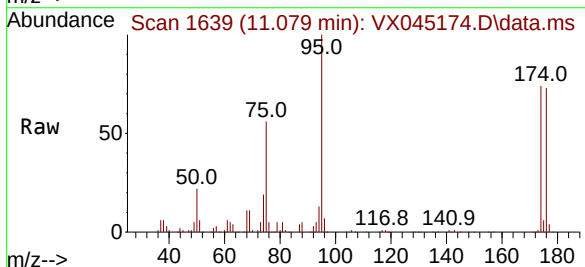
Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-SB01

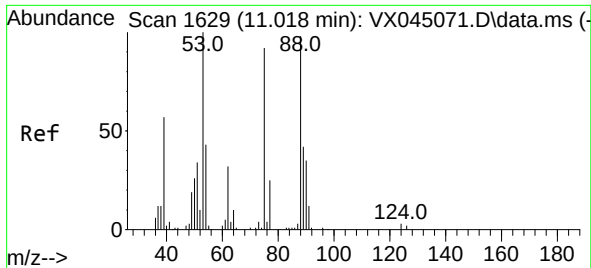
Tgt Ion:152 Resp: 55464
 Ion Ratio Lower Upper
 152 100
 115 61.8 44.2 132.6
 150 158.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.875 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045174.D
 Acq: 06 Mar 2025 17:25

Tgt Ion: 75 Resp: 34694
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.972 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045174.D
 Acq: 06 Mar 2025 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-SB01

Tgt Ion: 75 Resp: 34694
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

