

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045173.D
 Acq On : 06 Mar 2025 17:02
 Operator : JC/MD
 Sample : Q1488-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-102-SB02

Quant Time: Mar 07 00:47:29 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)

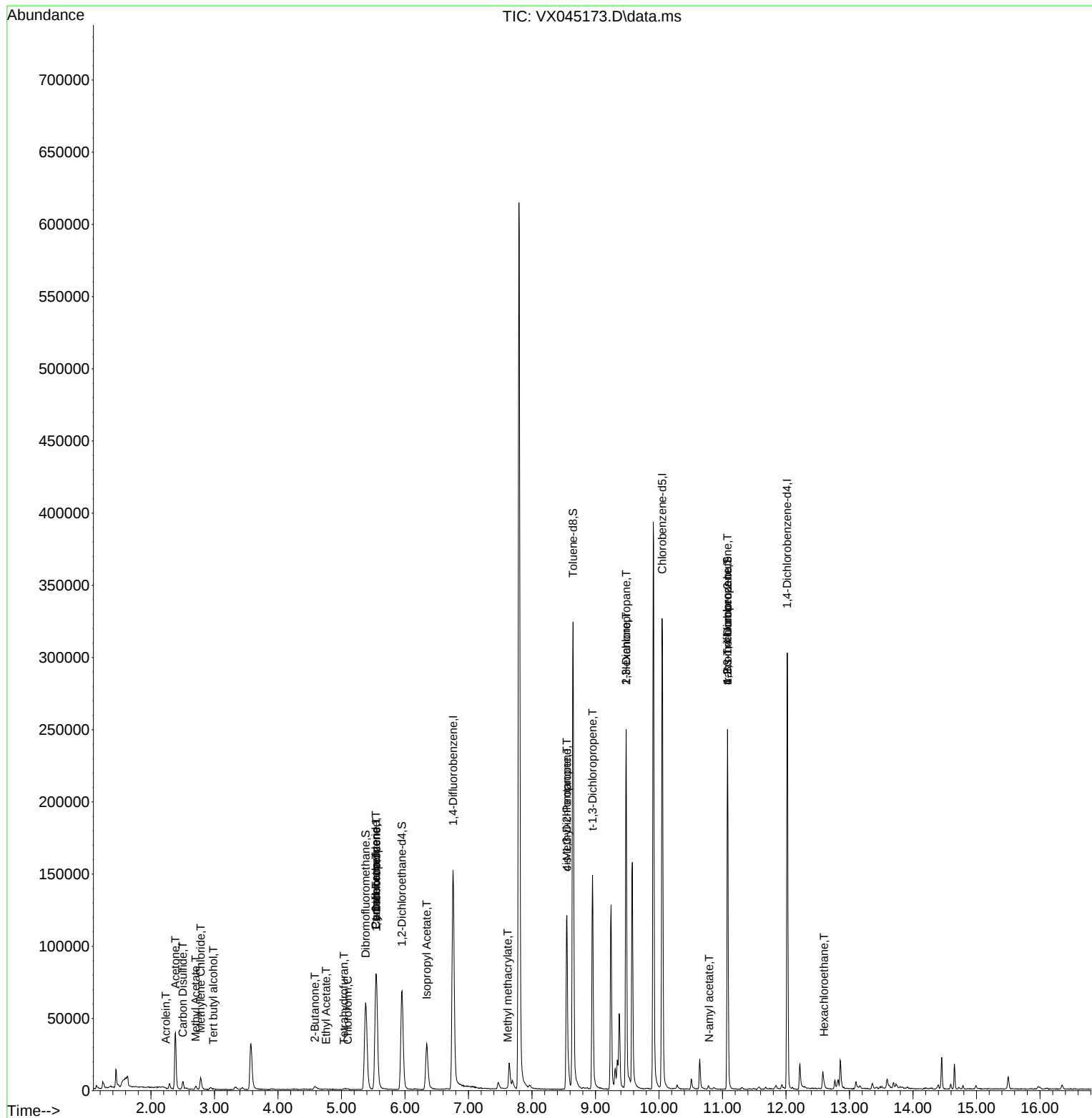
Internal Standards						
1) Pentafluorobenzene	5.544	168	76581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	156077	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65182	53.510	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.020%	
35) Dibromofluoromethane	5.379	113	53310	51.081	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.160%	
50) Toluene-d8	8.647	98	192112	50.775	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.560%	
62) 4-Bromofluorobenzene	11.079	95	63691	50.800	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	379	1.643	ug/l #	73
13) Acrolein	2.233	56	113	0.424	ug/l #	1
16) Acetone	2.386	43	43224	76.479	ug/l	98
17) Carbon Disulfide	2.502	76	7102	2.834	ug/l	96
18) Methyl Acetate	2.703	43	2846	2.093	ug/l	93
20) Methylene Chloride	2.782	84	3846	3.435	ug/l #	89
25) 2-Butanone	4.581	43	4831	5.679	ug/l	99
29) Tetrahydrofuran	5.038	42	263	0.460	ug/l #	58
30) Chloroform	5.099	83	542	0.286	ug/l	98
31) Cyclohexane	5.544	56	1905	1.149	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	6763	4.725	ug/l #	49
37) Ethyl Acetate	4.757	43	555	0.301	ug/l #	70
38) Carbon Tetrachloride	5.544	117	8076	5.558	ug/l #	17
43) Isopropyl Acetate	6.342	43	45924	16.840	ug/l	99
48) Methyl methacrylate	7.617	41	2040	1.491	ug/l #	15
51) 4-Methyl-2-Pentanone	8.549	43	49548	27.059	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	303	0.225	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	19725	12.559	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	2229	1.180	ug/l #	43
59) 2-Hexanone	9.482	43	31517	23.755	ug/l #	54
74) N-amyl acetate	10.787	43	1347	0.642	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	33809	25.368	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33809	86.815	ug/l #	6
90) Hexachloroethane	12.597	117	192	0.295	ug/l #	18

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

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

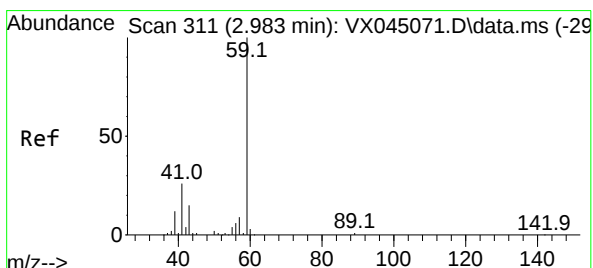
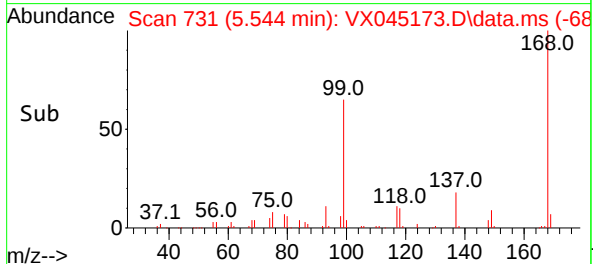
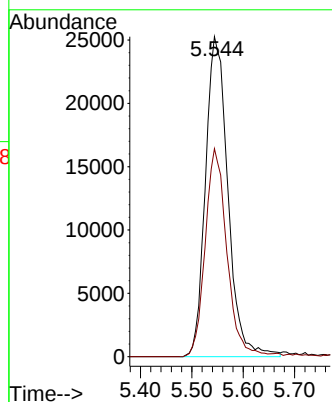
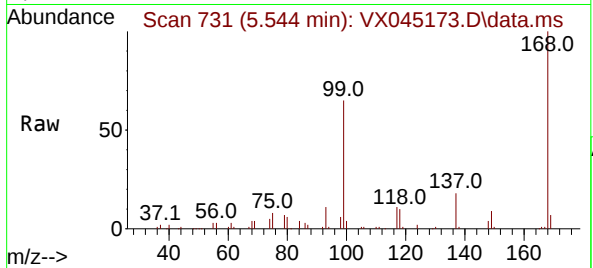




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

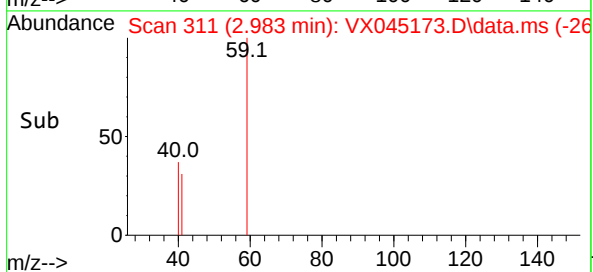
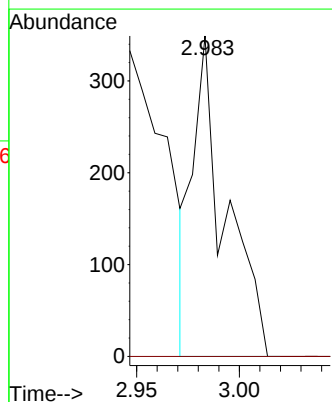
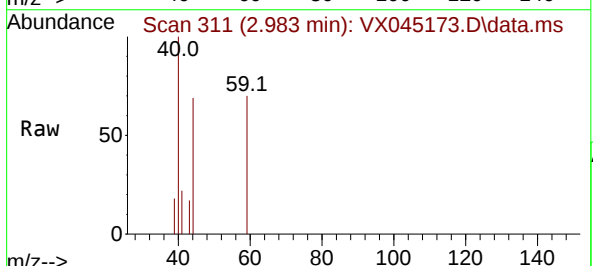
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

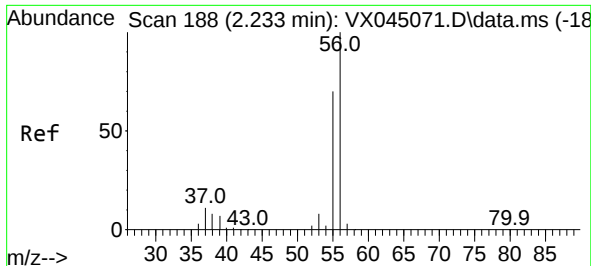
Tgt Ion:168 Resp: 76581
Ion Ratio Lower Upper
168 100
99 65.0 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.643 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion: 59 Resp: 379
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.424 ug/l

RT: 2.233 min Scan# 113

Delta R.T. 0.000 min

Lab File: VX045173.D

Acq: 06 Mar 2025 17:02

Instrument :

MSVOA_X

ClientSampleId :

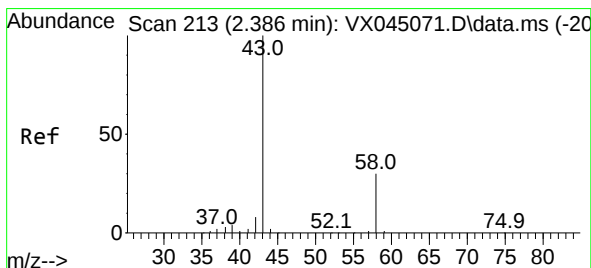
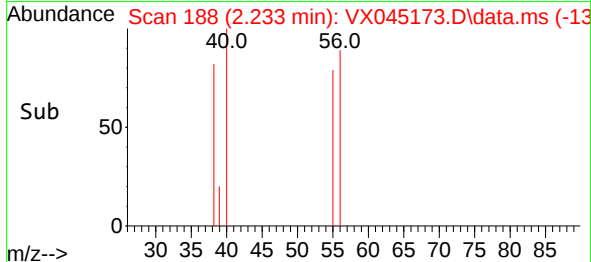
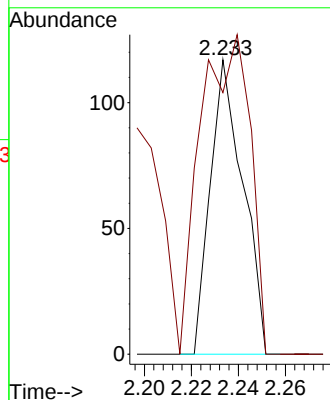
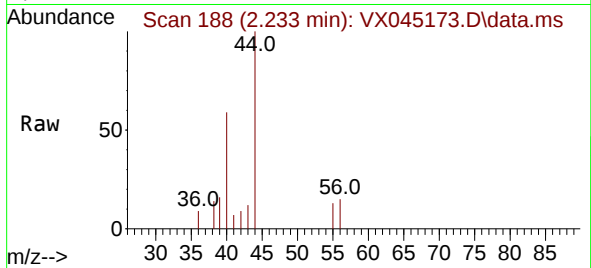
ENV-102-SB02

Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 165.5 56.2 84.4#



#16

Acetone

Concen: 76.479 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX045173.D

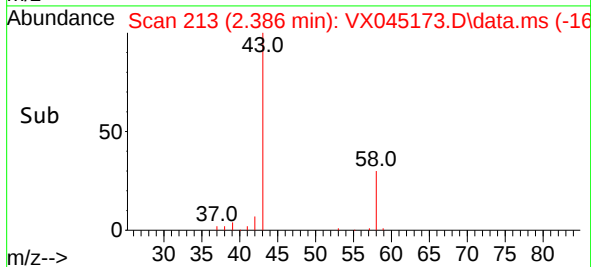
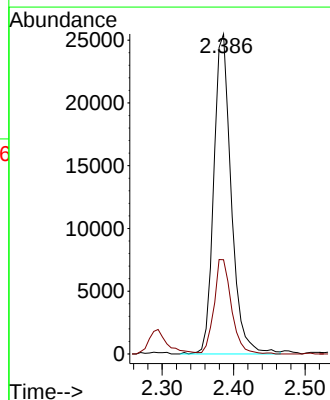
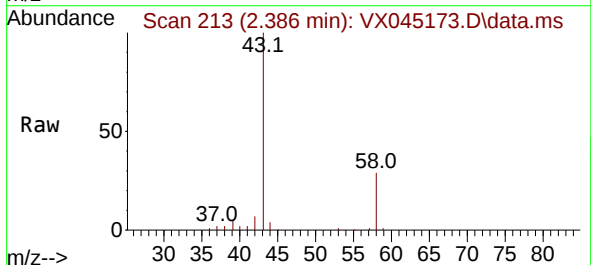
Acq: 06 Mar 2025 17:02

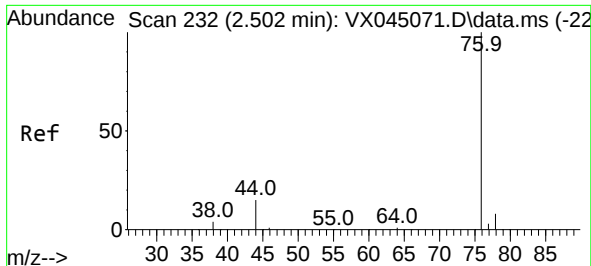
Tgt Ion: 43 Resp: 43224

Ion Ratio Lower Upper

43 100

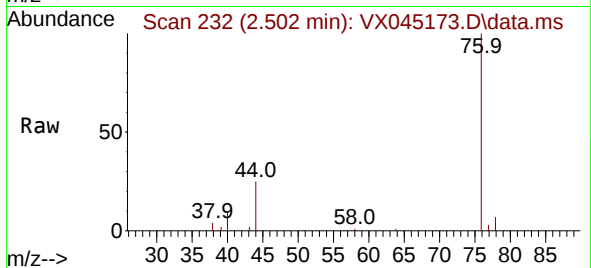
58 29.5 24.2 36.4



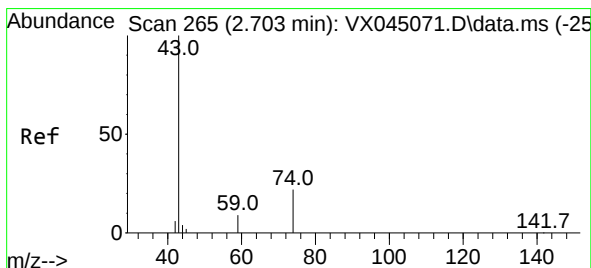
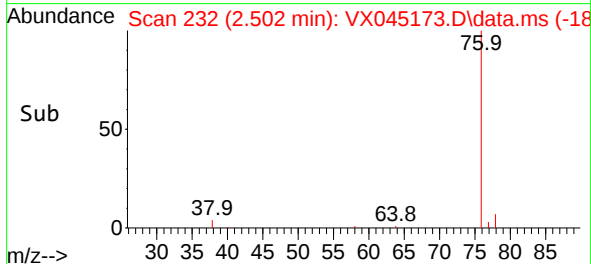
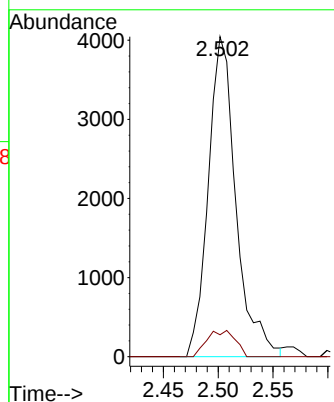


#17
Carbon Disulfide
Concen: 2.834 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

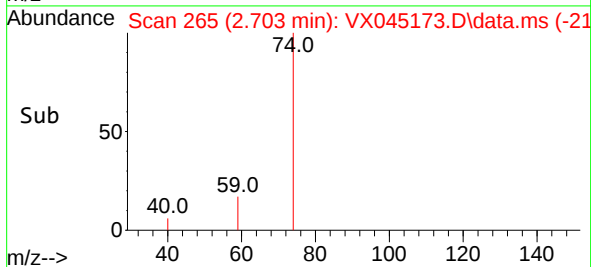
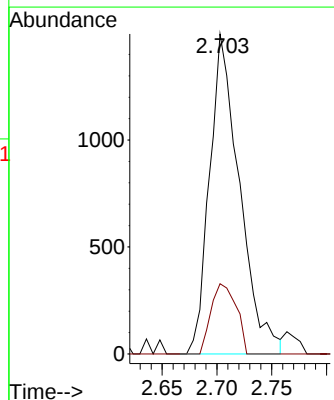
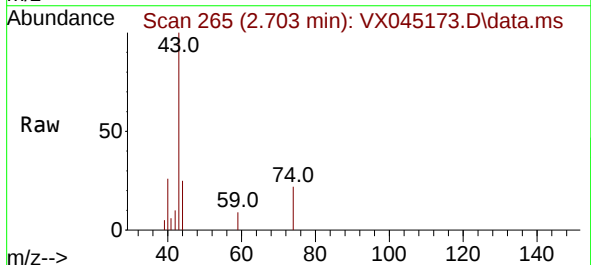


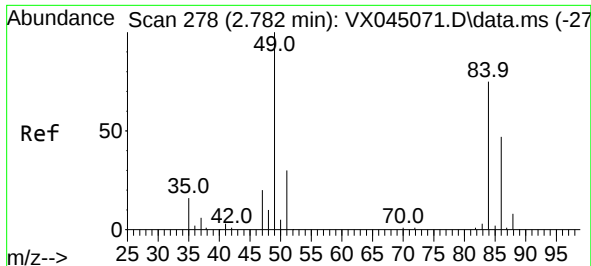
Tgt Ion: 76 Resp: 7102
Ion Ratio Lower Upper
76 100
78 6.8 6.6 9.8



#18
Methyl Acetate
Concen: 2.093 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion: 43 Resp: 2846
Ion Ratio Lower Upper
43 100
74 18.4 17.4 26.2

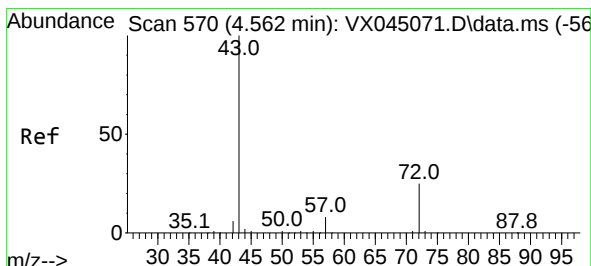
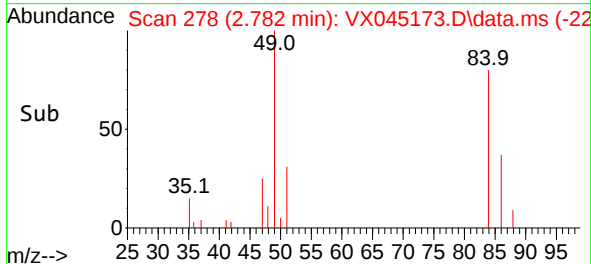
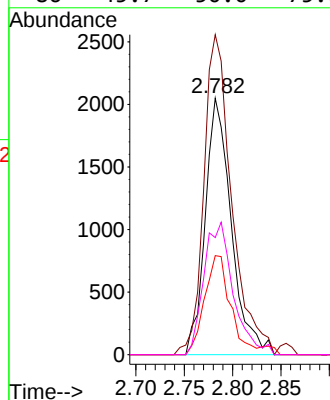
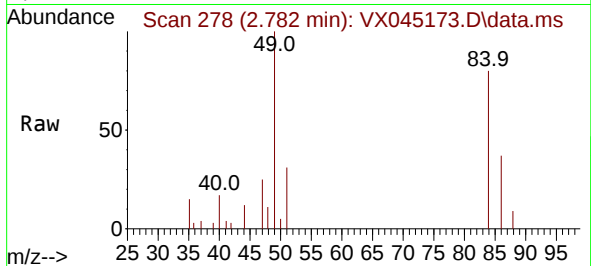




#20
Methylene Chloride
Concen: 3.435 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

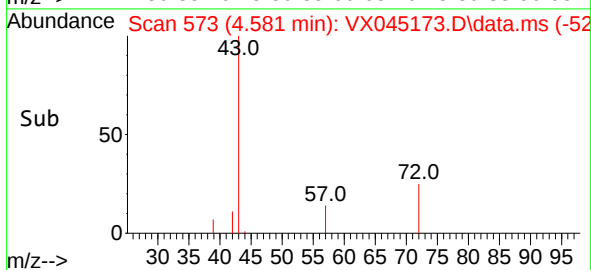
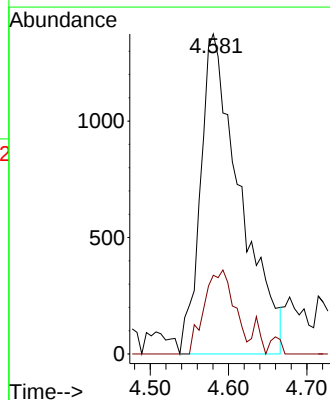
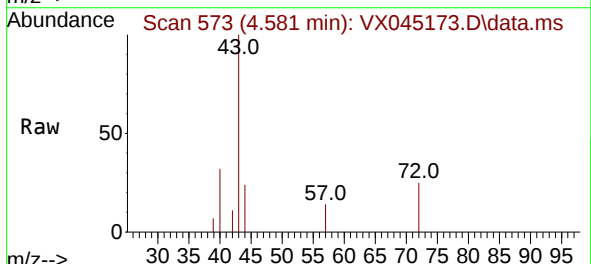
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

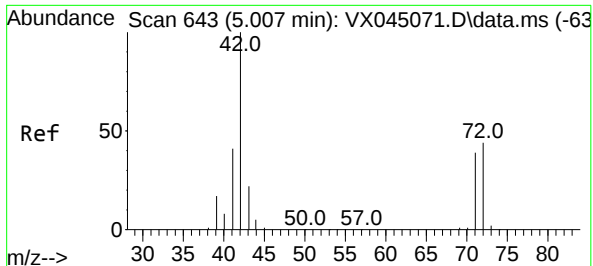
Tgt Ion: 84	Resp: 3846
Ion Ratio	Lower Upper
84 100	
49 122.0	106.5 159.7
51 38.6	32.1 48.1
86 45.7	50.0 75.0#



#25
2-Butanone
Concen: 5.679 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion: 43	Resp: 4831		
Ion Ratio	Lower	Upper	
43 100			
72 24.6	20.0	30.0	





#29

Tetrahydrofuran

Concen: 0.460 ug/l

RT: 5.038 min Scan# 643

Delta R.T. 0.031 min

Lab File: VX045173.D

Acq: 06 Mar 2025 17:02

Instrument :

MSVOA_X

ClientSampleId :

ENV-102-SB02

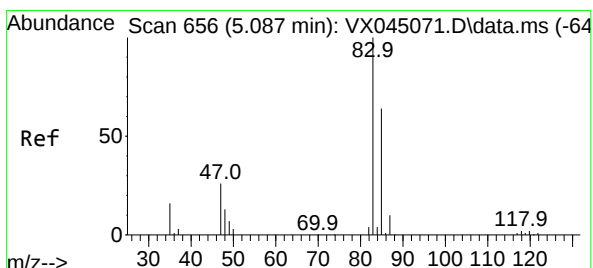
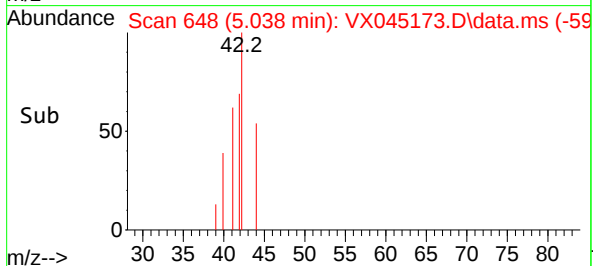
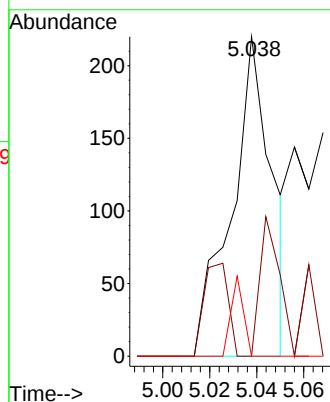
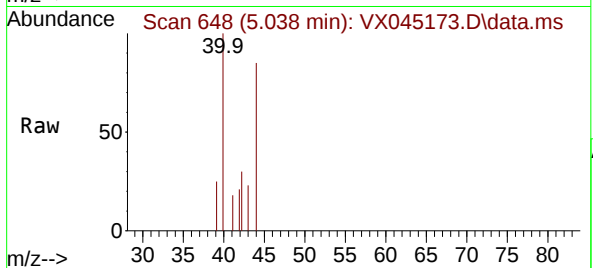
Tgt Ion: 42 Resp: 263

Ion Ratio Lower Upper

42 100

72 21.3 34.1 51.1#

71 7.6 31.4 47.0#



#30

Chloroform

Concen: 0.286 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX045173.D

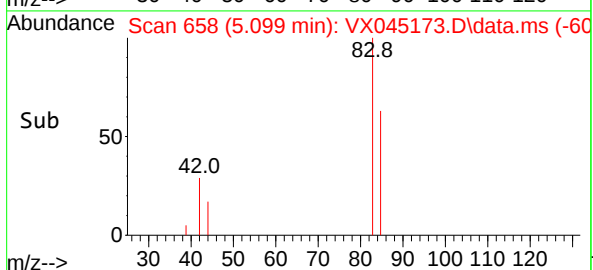
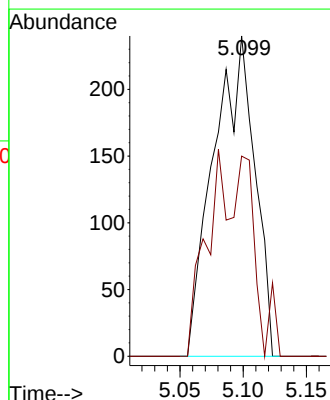
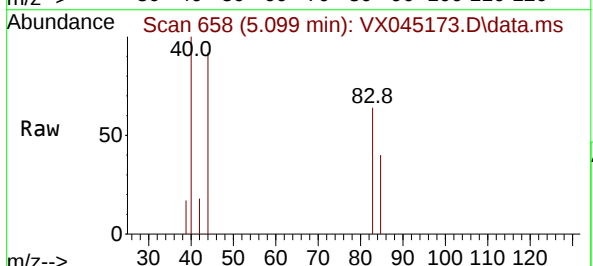
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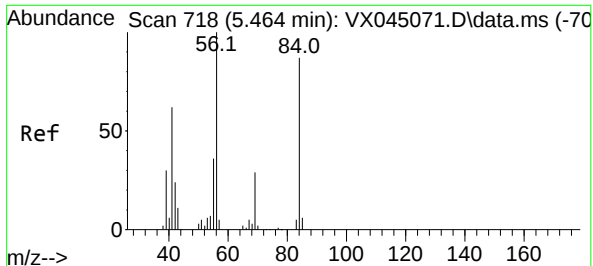
Tgt Ion: 83 Resp: 542

Ion Ratio Lower Upper

83 100

85 62.5 51.4 77.2

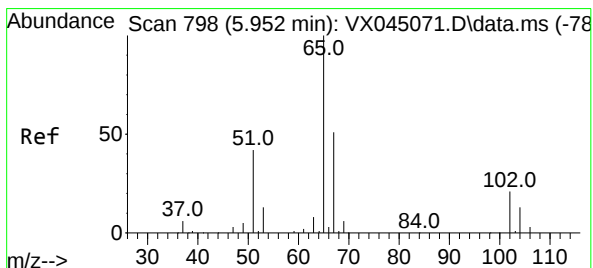
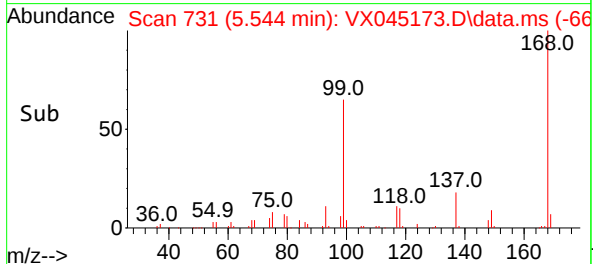
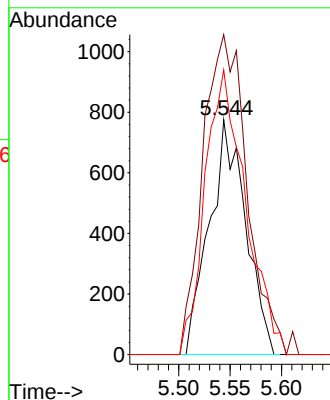
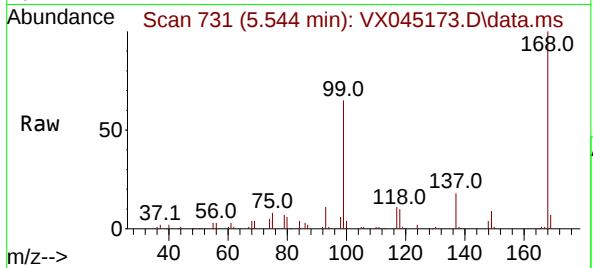




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

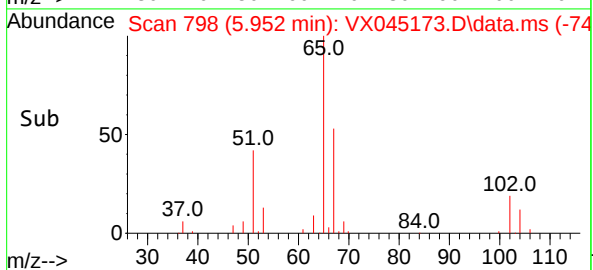
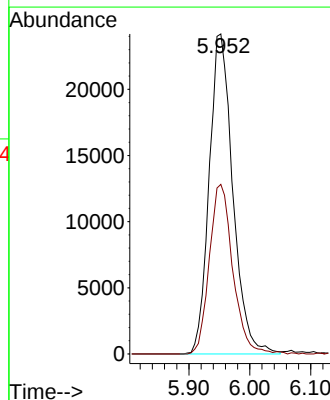
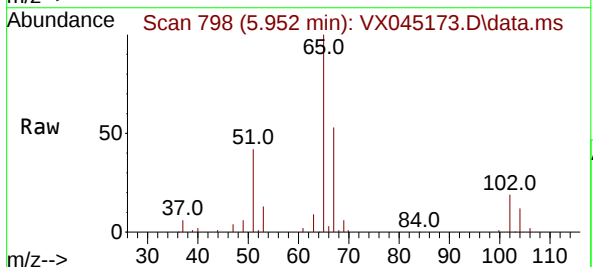
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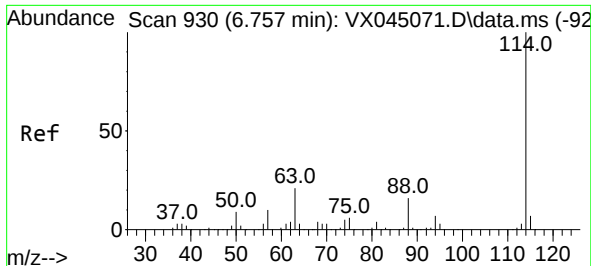
Tgt Ion: 56 Resp: 1905
Ion Ratio Lower Upper
56 100
69 136.3 23.4 35.2#
84 121.3 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 53.510 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion: 65 Resp: 65182
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2

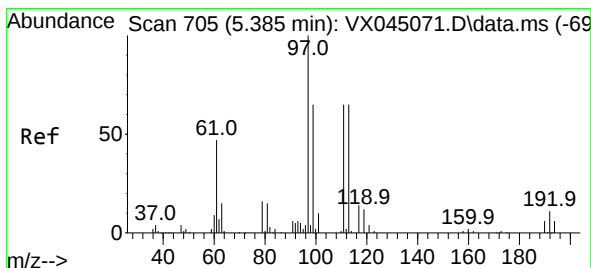
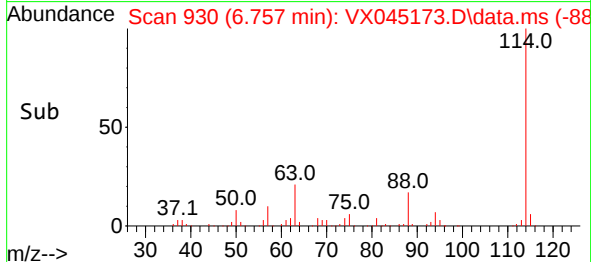
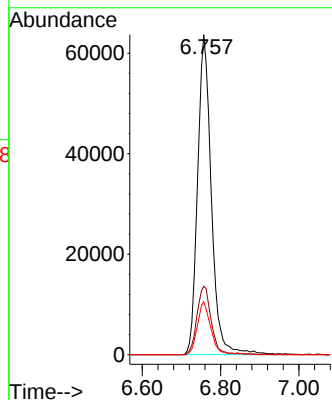
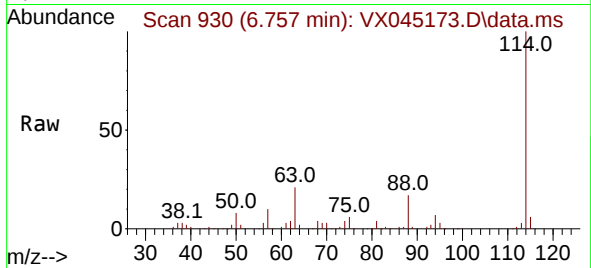




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

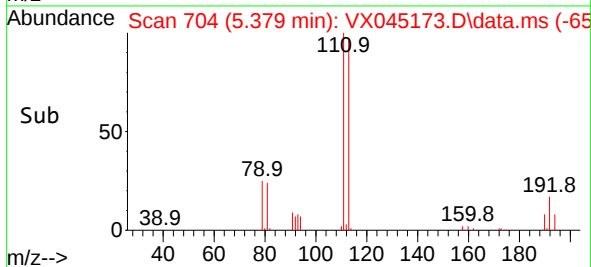
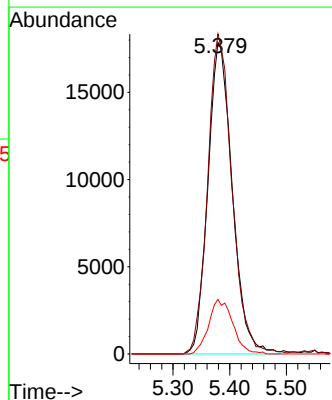
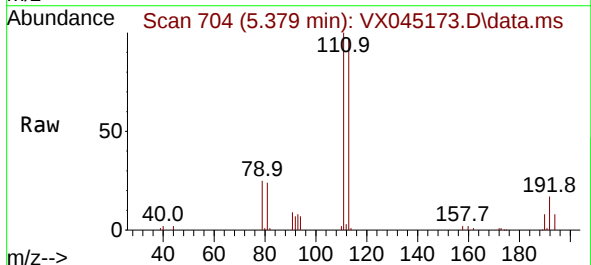
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

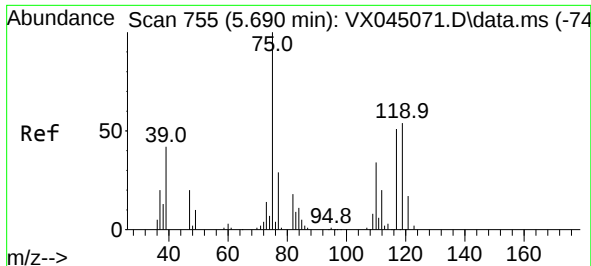
Tgt Ion:114 Resp: 156077
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.081 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion:113 Resp: 53310
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 17.3 14.3 21.5

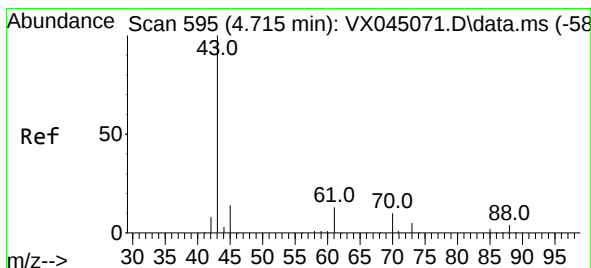
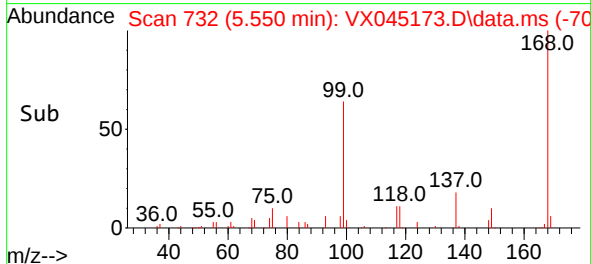
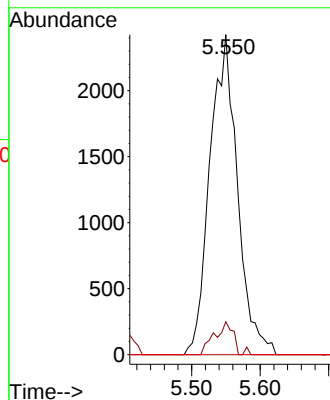
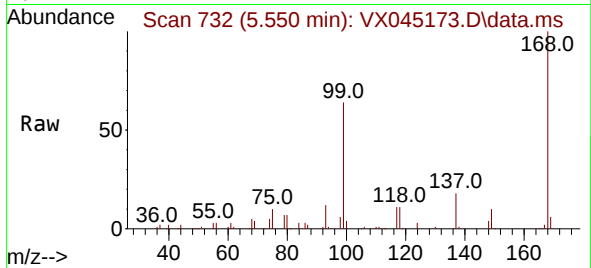




#36
1,1-Dichloropropene
Concen: 4.725 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

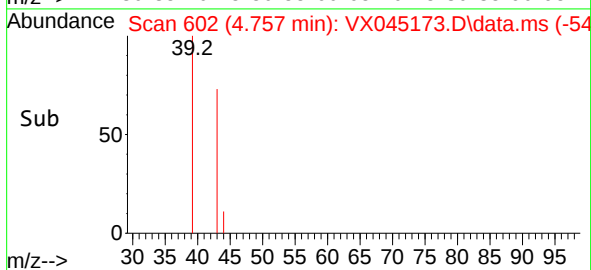
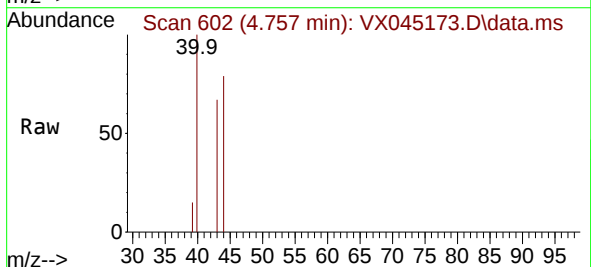
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

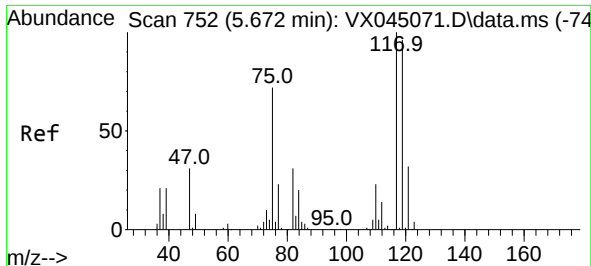
Tgt Ion: 75 Resp: 6763
Ion Ratio Lower Upper
75 100
110 6.8 16.9 50.6#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.301 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.043 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

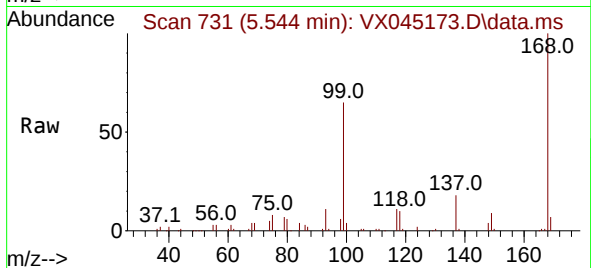
Tgt Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



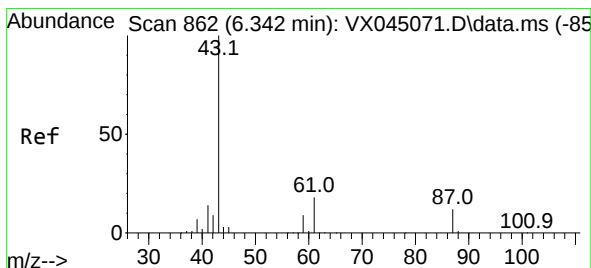
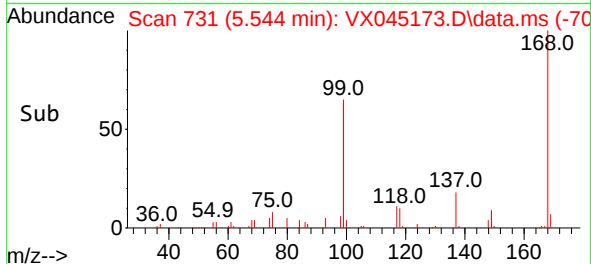
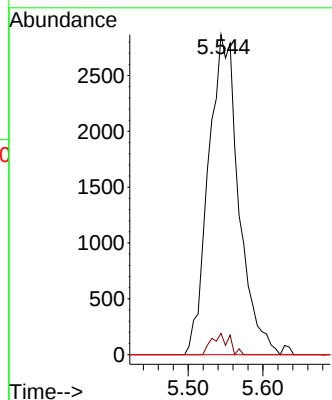


#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 5.544 min Scan# 752
Delta R.T. -0.128 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

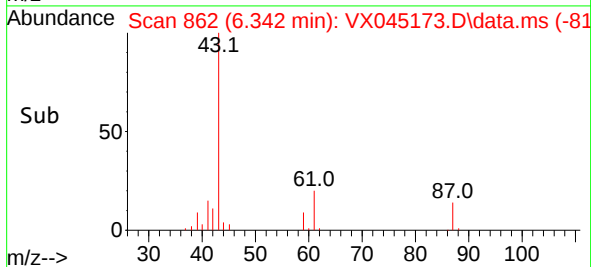
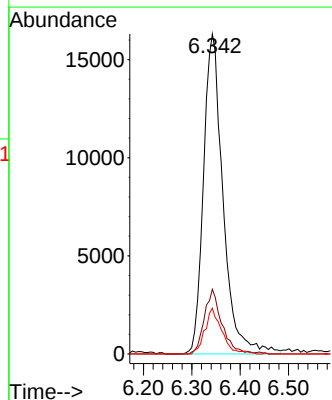
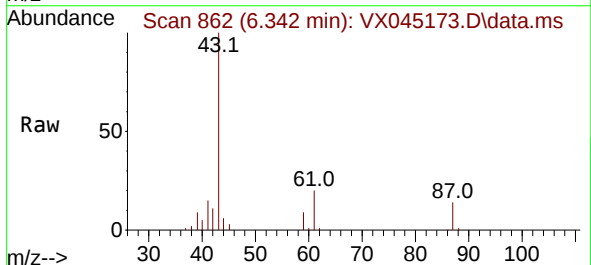


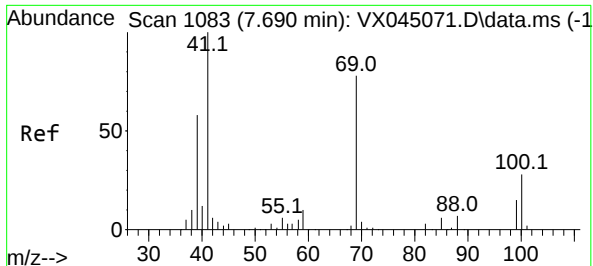
Tgt Ion:117 Resp: 8076
Ion Ratio Lower Upper
117 100
119 6.7 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 16.840 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion: 43 Resp: 45924
Ion Ratio Lower Upper
43 100
61 18.0 14.9 22.3
87 12.4 9.4 14.2





#48

Methyl methacrylate

Concen: 1.491 ug/l

RT: 7.617 min Scan# 1083

Delta R.T. -0.073 min

Lab File: VX045173.D

Acq: 06 Mar 2025 17:02

Instrument :

MSVOA_X

ClientSampleId :

ENV-102-SB02

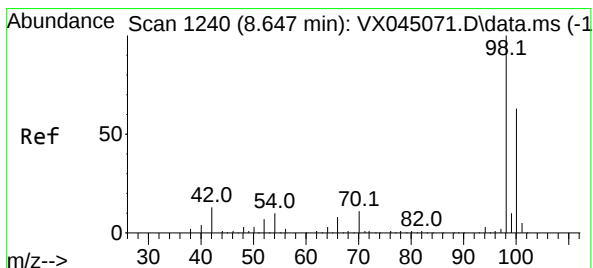
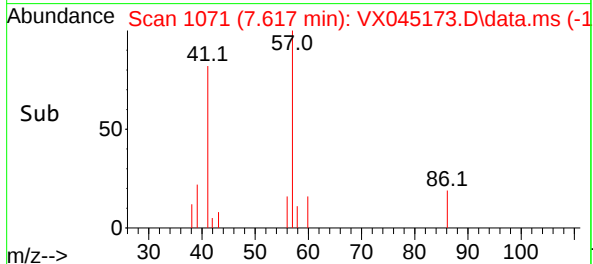
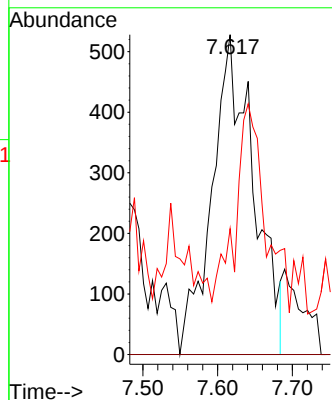
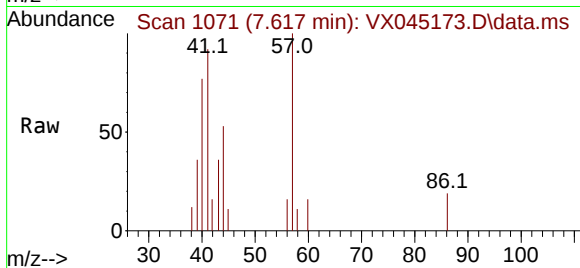
Tgt Ion: 41 Resp: 2040

Ion Ratio Lower Upper

41 100

69 0.0 63.0 94.6#

39 0.0 47.5 71.3#



#50

Toluene-d8

Concen: 50.775 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045173.D

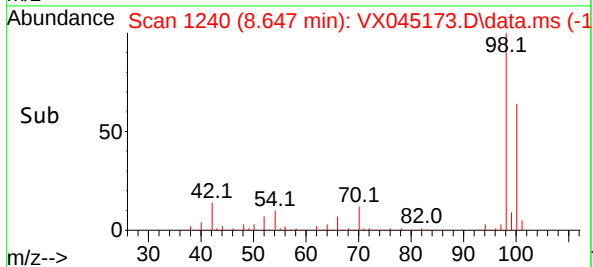
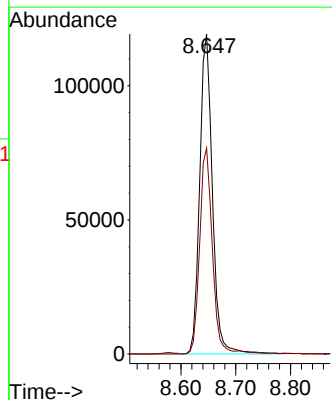
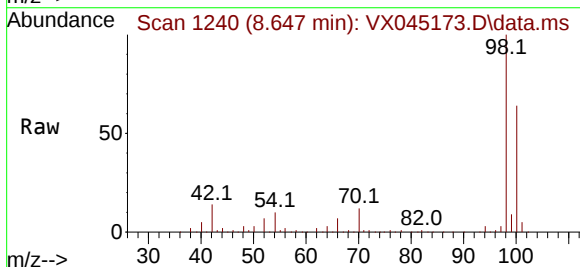
Acq: 06 Mar 2025 17:02

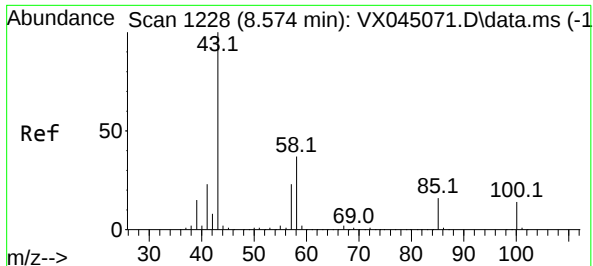
Tgt Ion: 98 Resp: 192112

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 27.059 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045173.D

Acq: 06 Mar 2025 17:02

Instrument :

MSVOA_X

ClientSampleId :

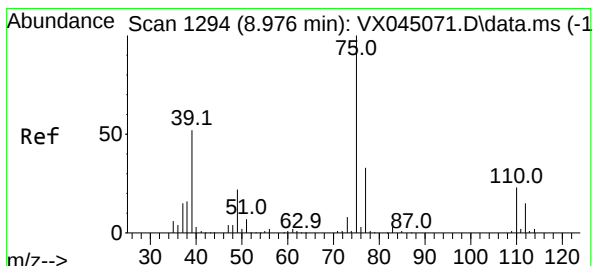
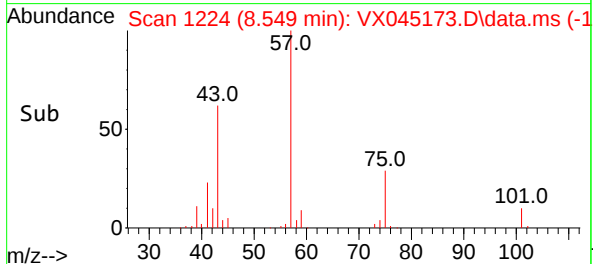
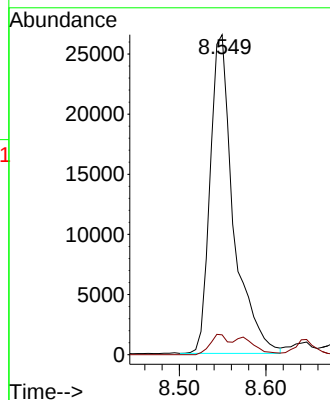
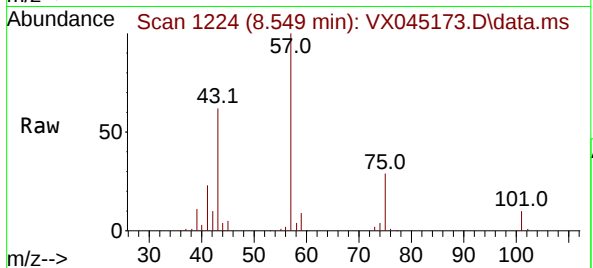
ENV-102-SB02

Tgt Ion: 43 Resp: 49548

Ion Ratio Lower Upper

43 100

58 5.3 29.2 43.8#



#53

t-1,3-Dichloropropene

Concen: 0.225 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX045173.D

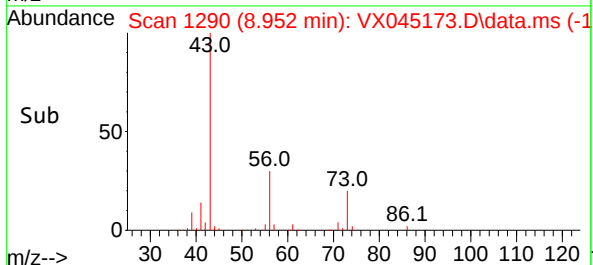
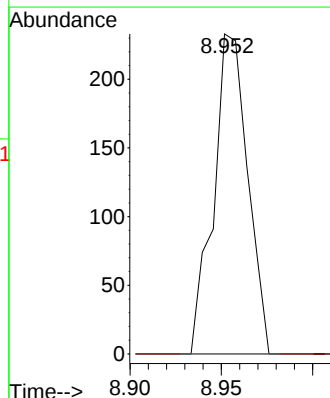
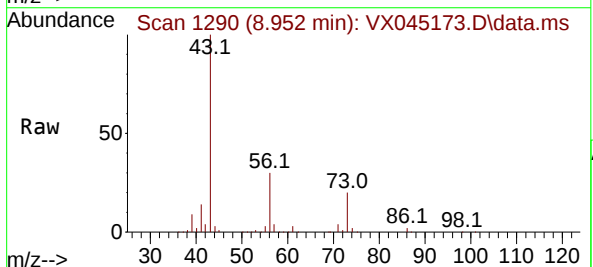
Acq: 06 Mar 2025 17:02

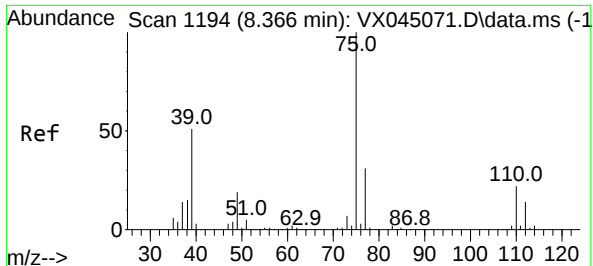
Tgt Ion: 75 Resp: 303

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#

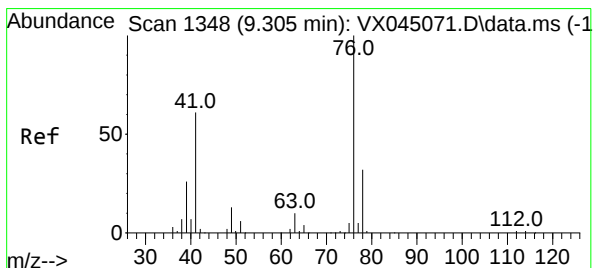
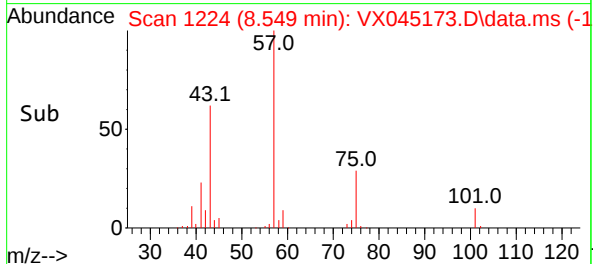
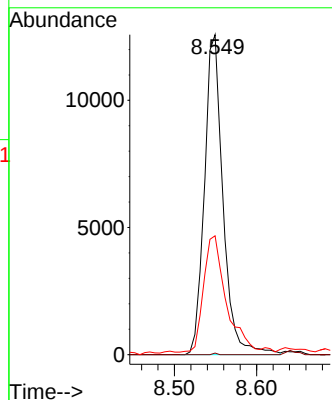
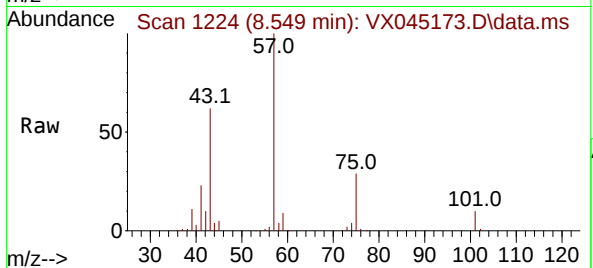




#54
 cis-1,3-Dichloropropene
 Concen: 12.559 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045173.D
 Acq: 06 Mar 2025 17:02

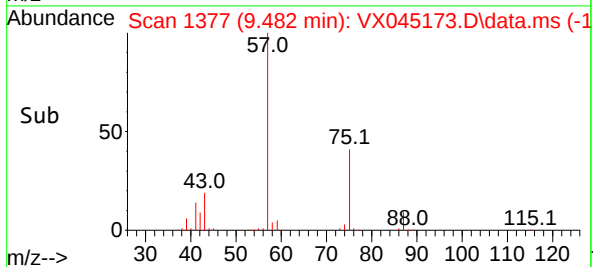
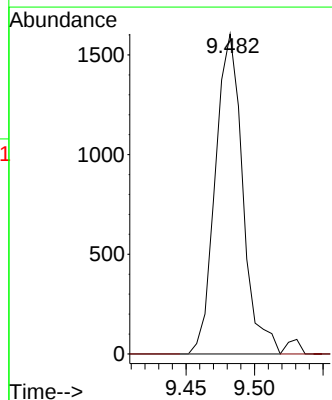
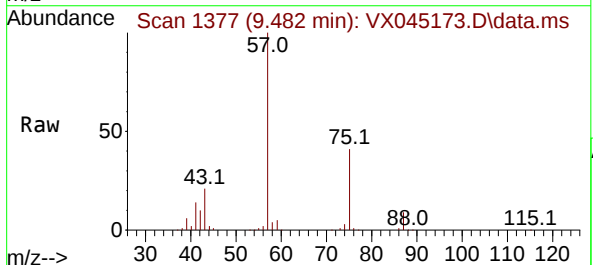
Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-102-SB02

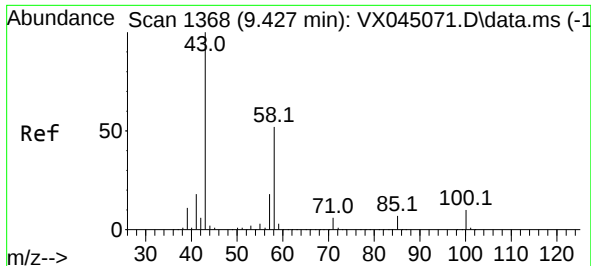
Tgt Ion: 75 Resp: 19725
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.7 37.1#
 39 36.3 40.7 61.1#



#57
 1,3-Dichloropropane
 Concen: 1.180 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045173.D
 Acq: 06 Mar 2025 17:02

Tgt Ion: 76 Resp: 2229
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

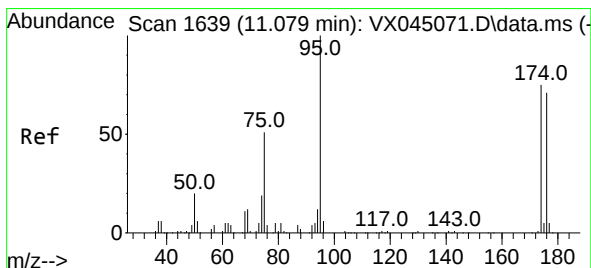
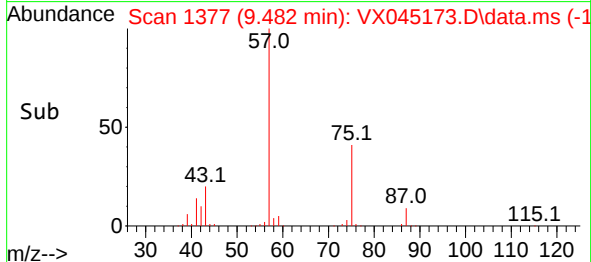
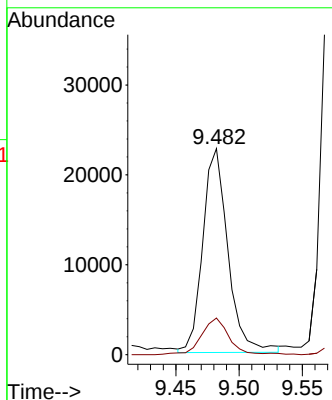
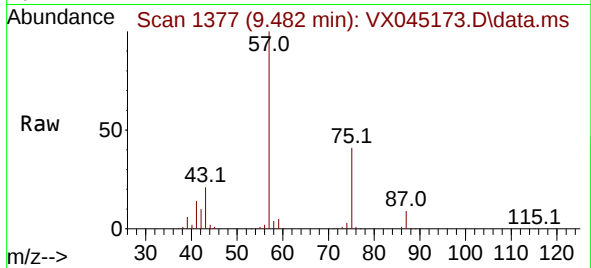




#59
2-Hexanone
Concen: 23.755 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

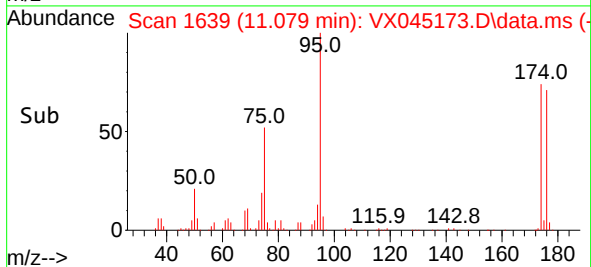
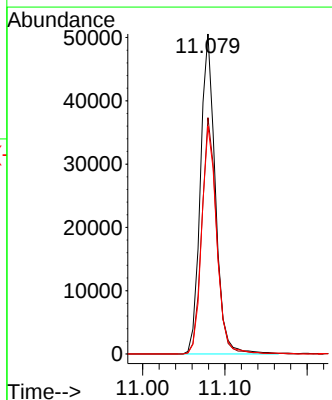
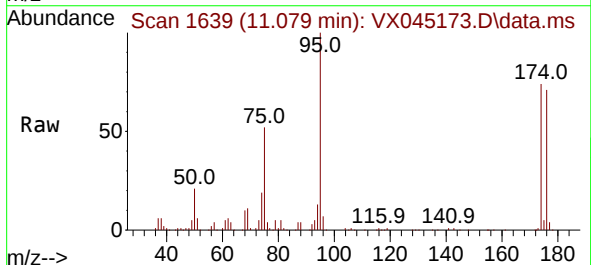
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

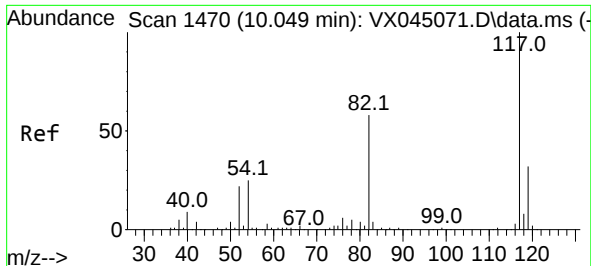
Tgt Ion: 43 Resp: 31517
Ion Ratio Lower Upper
43 100
58 19.7 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 50.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion: 95 Resp: 63691
Ion Ratio Lower Upper
95 100
174 73.3 0.0 148.2
176 71.4 0.0 141.4

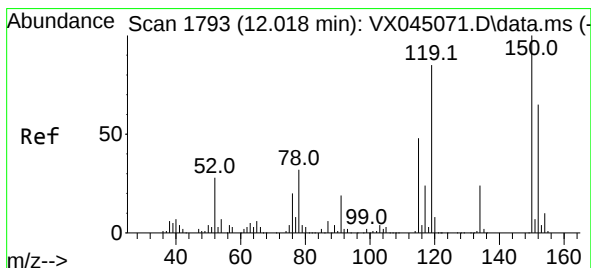
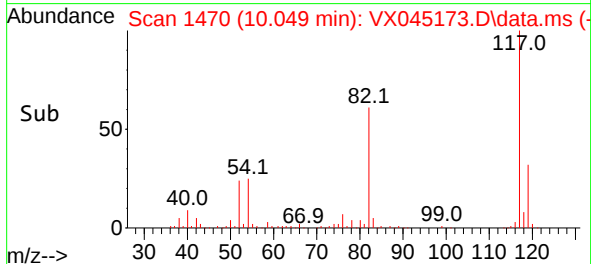
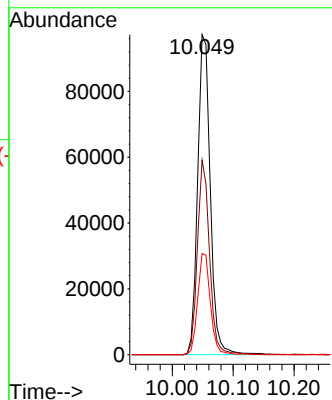
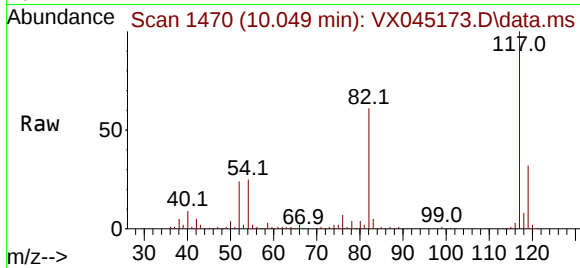




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

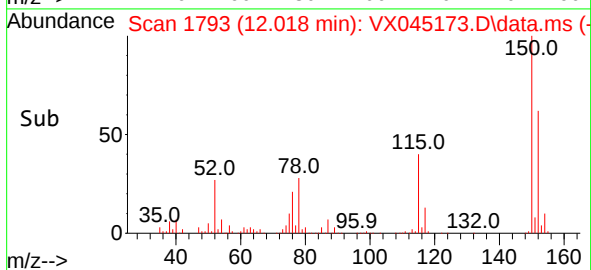
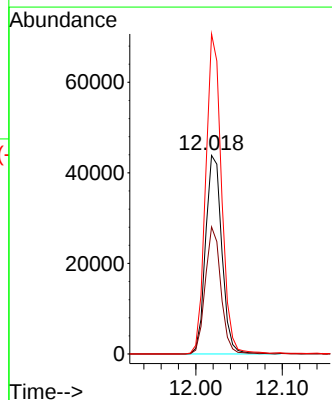
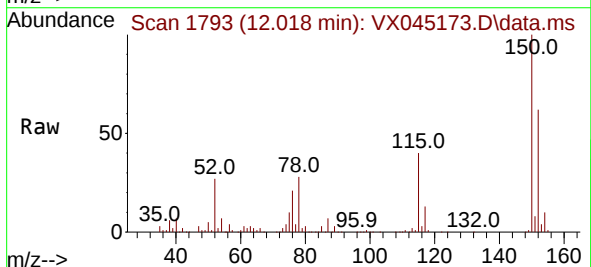
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

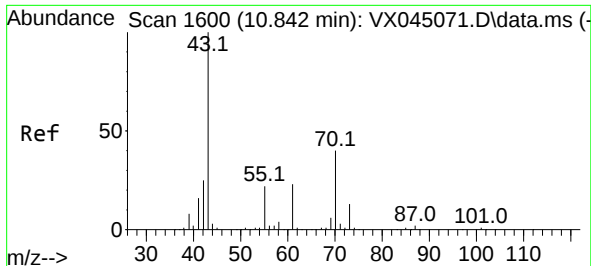
Tgt Ion:117 Resp: 139915
Ion Ratio Lower Upper
117 100
82 60.8 46.3 69.5
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion:152 Resp: 57260
Ion Ratio Lower Upper
152 100
115 61.2 44.2 132.6
150 157.3 0.0 349.0

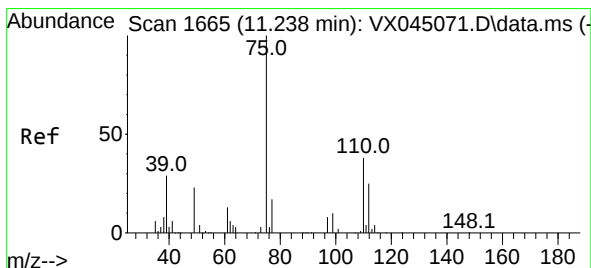
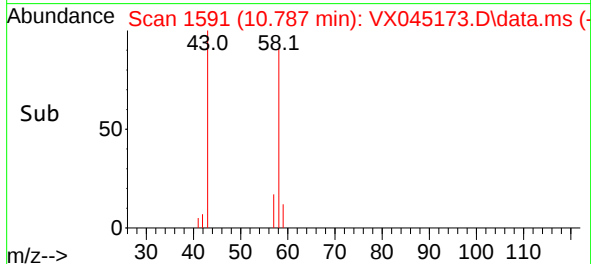
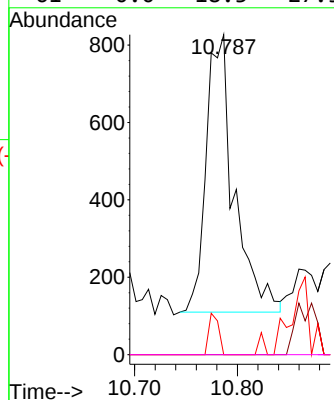
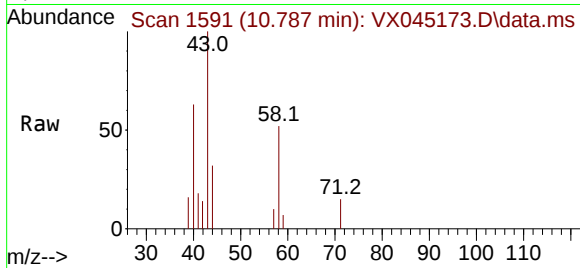




#74
N-amy1 acetate
Concen: 0.642 ug/l
RT: 10.787 min Scan# 1639
Delta R.T. -0.055 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

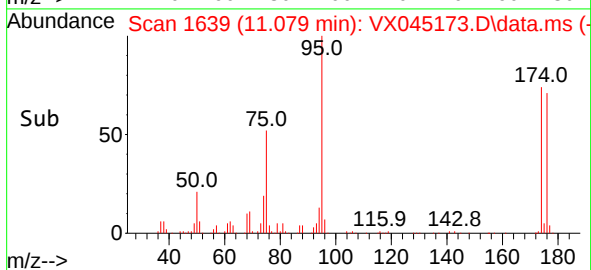
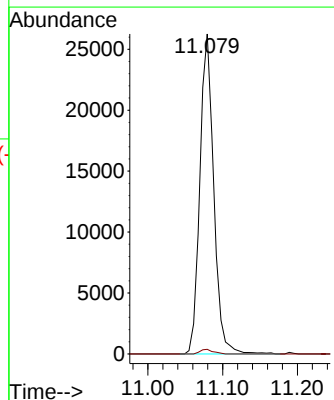
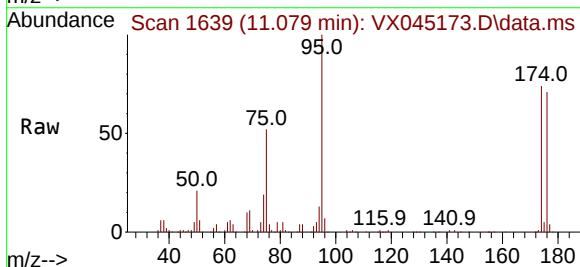
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

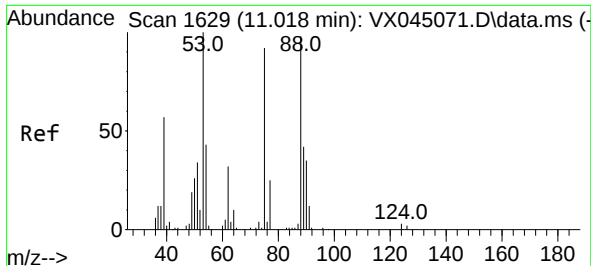
Tgt Ion: 43	Resp:	1347
Ion	Ratio	Lower Upper
43	100	
70	0.0	31.8 47.6#
55	5.3	18.3 27.5#
61	0.0	18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 25.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion: 75	Resp:	33809
Ion	Ratio	Lower Upper
75	100	
77	1.4	20.7 62.1#

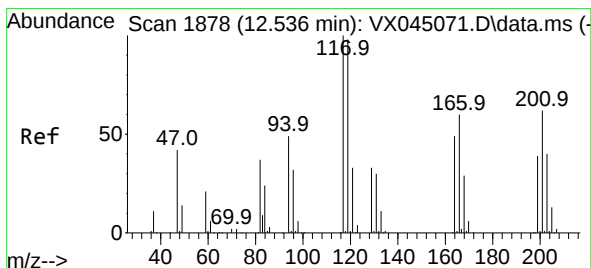
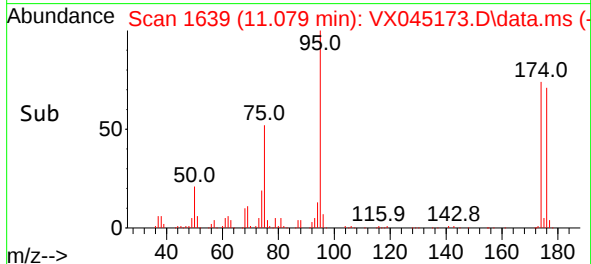
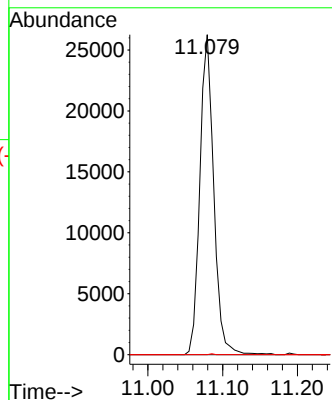
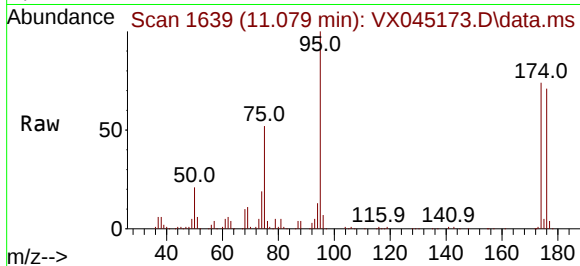




#81
trans-1,4-Dichloro-2-butene
Concen: 86.815 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-SB02

Tgt Ion: 75 Resp: 33809
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.1 36.2 54.4#



#90
Hexachloroethane
Concen: 0.295 ug/l
RT: 12.597 min Scan# 1888
Delta R.T. 0.061 min
Lab File: VX045173.D
Acq: 06 Mar 2025 17:02

Tgt Ion: 117 Resp: 192
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.9#

