

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045150.D
 Acq On : 05 Mar 2025 18:15
 Operator : JC/MD
 Sample : Q1488-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-102-GW01

Quant Time: Mar 06 01:10:54 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)

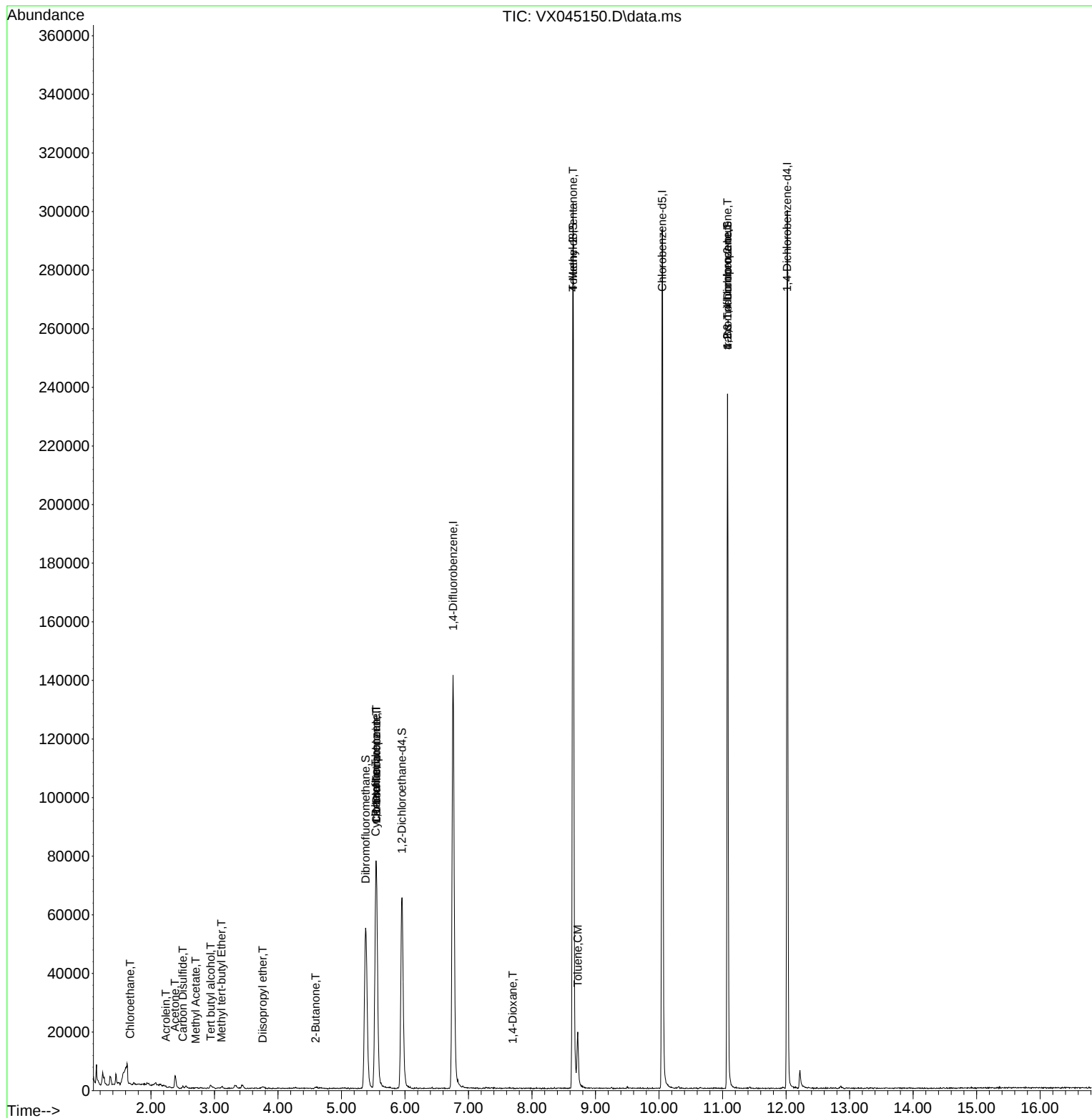
Internal Standards						
1) Pentafluorobenzene	5.544	168	72598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61188	52.987	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.980%
35) Dibromofluoromethane	5.379	113	49182	51.177	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.360%
50) Toluene-d8	8.647	98	177583	50.971	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.940%
62) 4-Bromofluorobenzene	11.079	95	62689	54.300	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.600%
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	149	0.291	ug/l #	41
11) Tert butyl alcohol	2.941	59	982	4.489	ug/l #	73
13) Acrolein	2.233	56	110	0.435	ug/l #	47
16) Acetone	2.380	43	4804	8.966	ug/l	97
17) Carbon Disulfide	2.502	76	750	0.316	ug/l #	77
18) Methyl Acetate	2.703	43	289	0.224	ug/l #	54
19) Methyl tert-butyl Ether	3.111	73	648	0.217	ug/l	99
22) Diisopropyl ether	3.757	45	896	0.277	ug/l #	58
25) 2-Butanone	4.593	43	535	0.663	ug/l	98
31) Cyclohexane	5.538	56	1901	1.210	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	6639	5.037	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7977	5.962	ug/l #	15
49) 1,4-Dioxane	7.696	88	21	0.790	ug/l #	1
51) 4-Methyl-2-Pentanone	8.647	43	931	0.552	ug/l #	1
52) Toluene	8.720	92	6706	2.746	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	34032	25.350	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34032	86.752	ug/l #	6

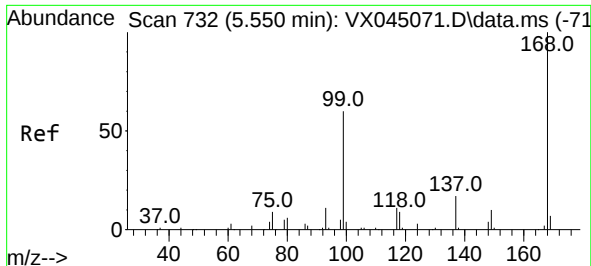
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

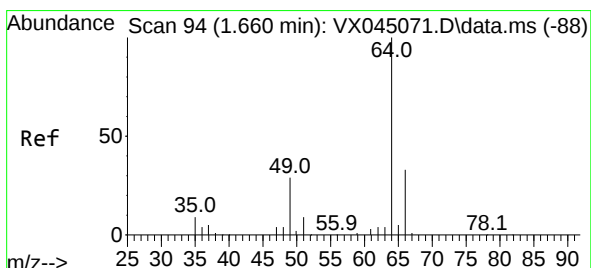
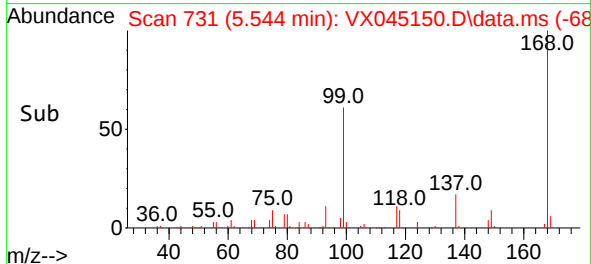
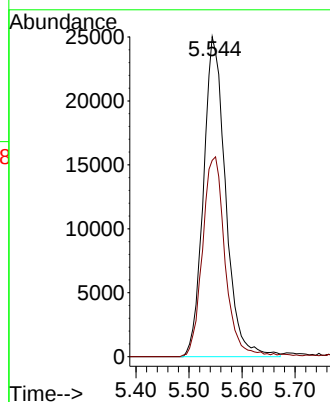
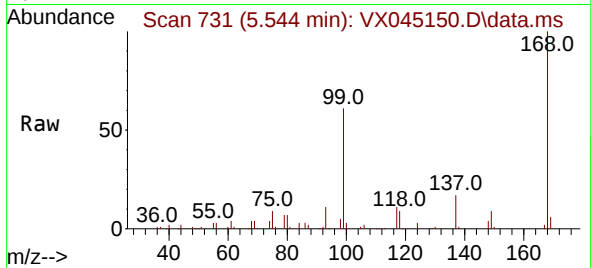




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

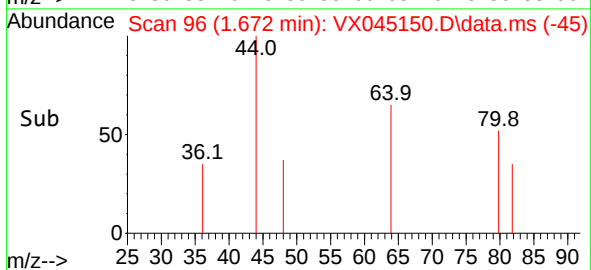
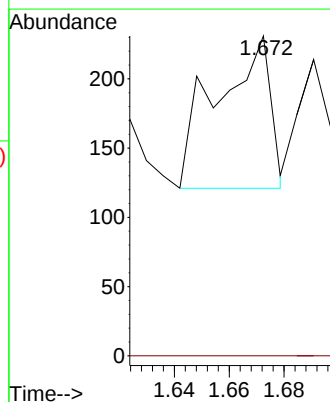
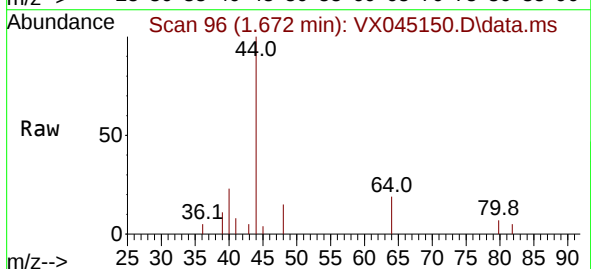
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Tgt Ion:168 Resp: 72598
Ion Ratio Lower Upper
168 100
99 61.3 48.2 72.4



#6
Chloroethane
Concen: 0.291 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#11

Tert butyl alcohol

Concen: 4.489 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX045150.D

Acq: 05 Mar 2025 18:15

Instrument :

MSVOA_X

ClientSampleId :

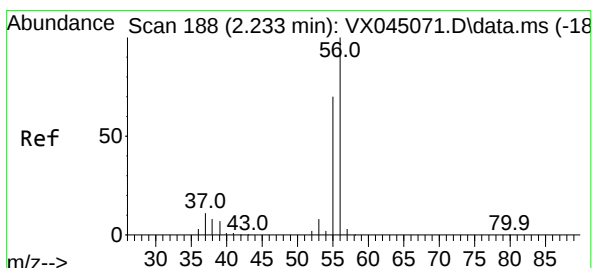
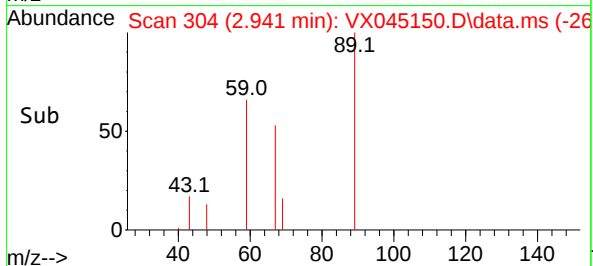
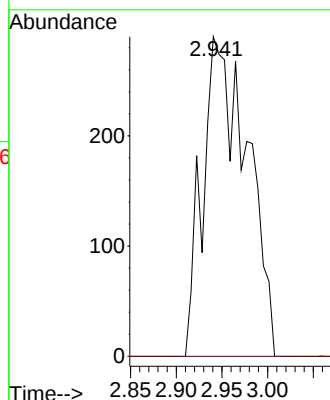
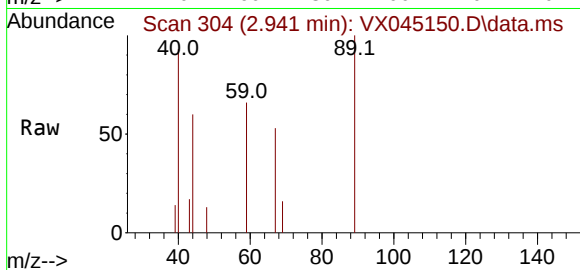
ENV-102-GW01

Tgt Ion: 59 Resp: 982

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.435 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX045150.D

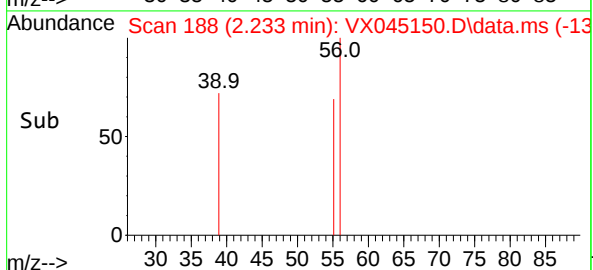
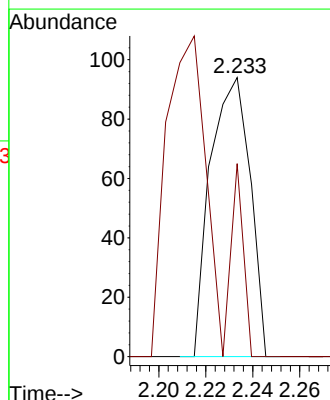
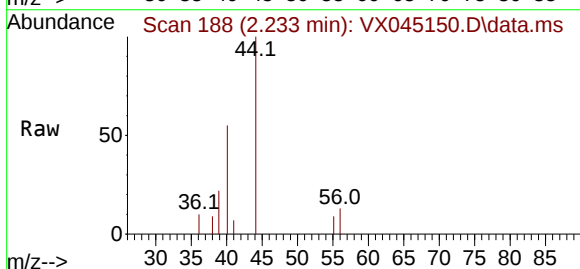
Acq: 05 Mar 2025 18:15

Tgt Ion: 56 Resp: 110

Ion Ratio Lower Upper

56 100

55 113.6 56.2 84.4#

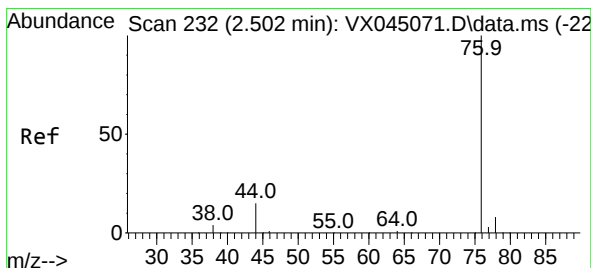
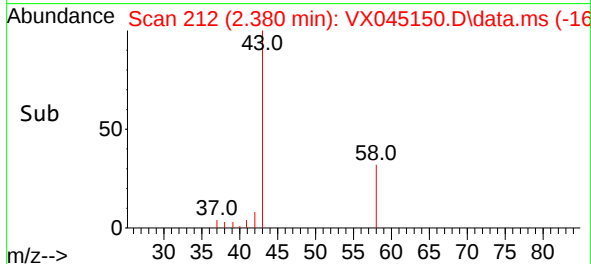
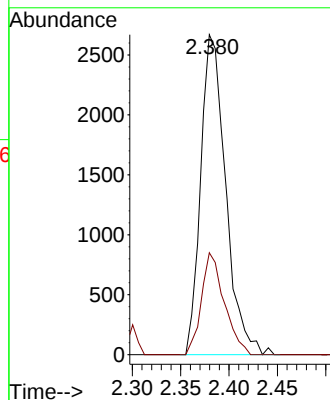
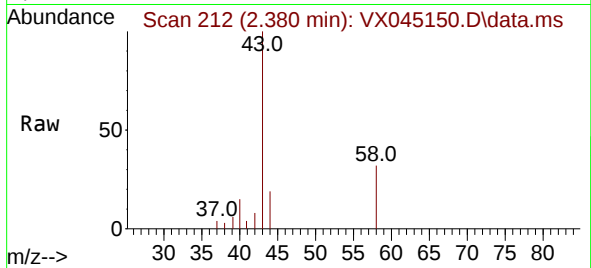




#16
Acetone
Concen: 8.966 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

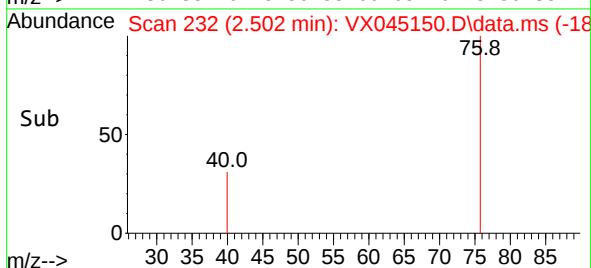
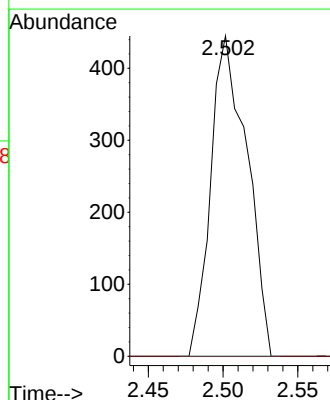
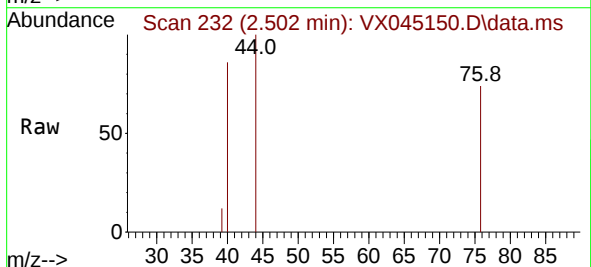
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

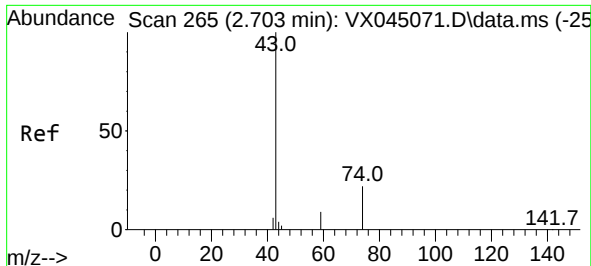
Tgt Ion: 43 Resp: 4804
Ion Ratio Lower Upper
43 100
58 31.8 24.2 36.4



#17
Carbon Disulfide
Concen: 0.316 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 76 Resp: 750
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#

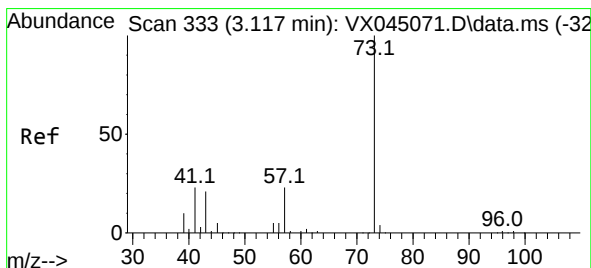
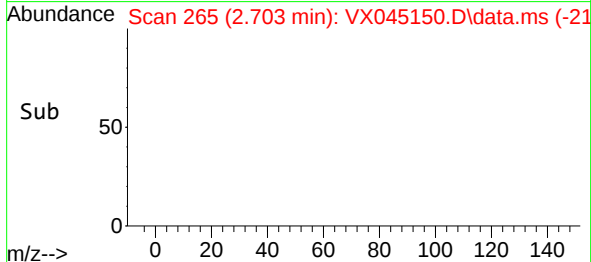
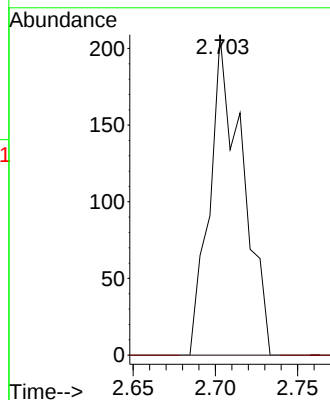
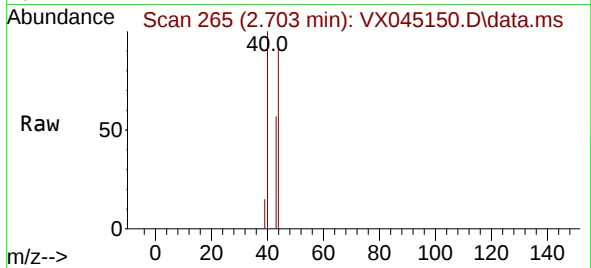




#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

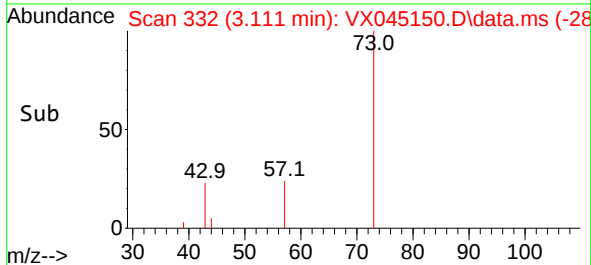
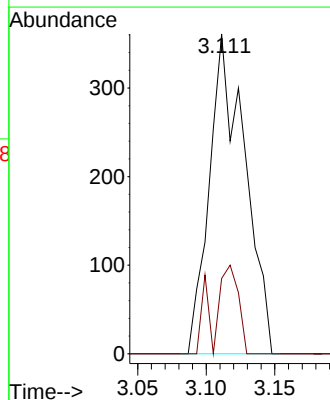
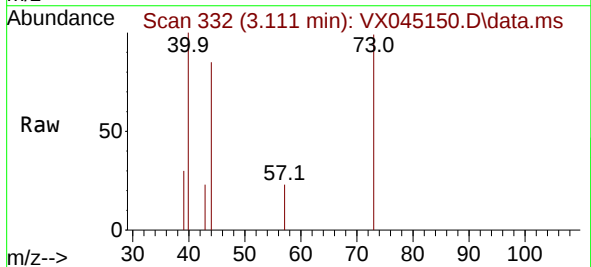
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

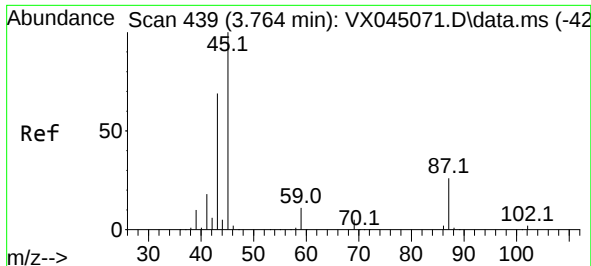
Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#19
Methyl tert-butyl Ether
Concen: 0.217 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 73 Resp: 648
Ion Ratio Lower Upper
73 100
57 23.5 18.5 27.7

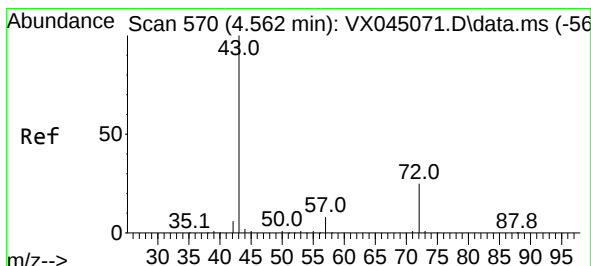
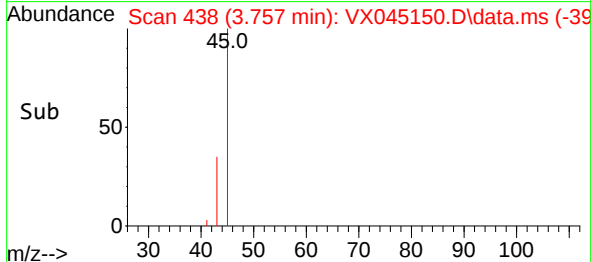
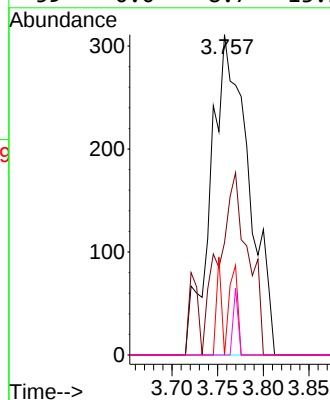
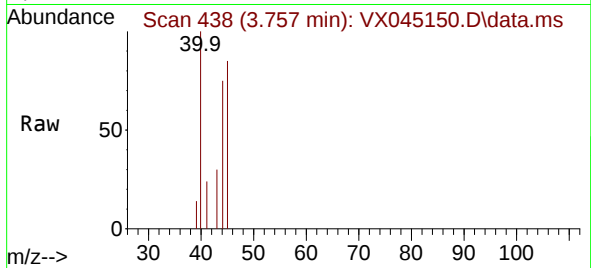




#22
Diisopropyl ether
Concen: 0.277 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

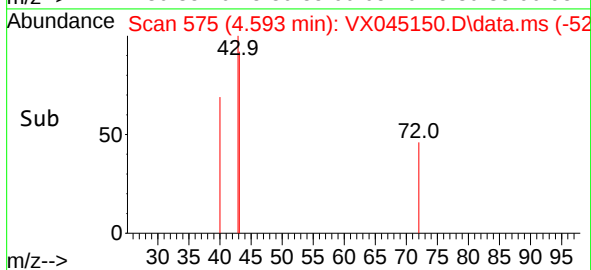
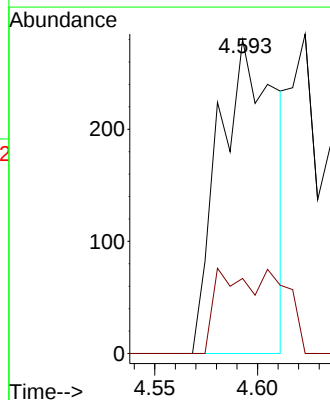
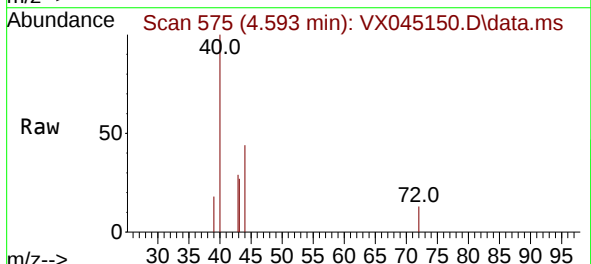
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

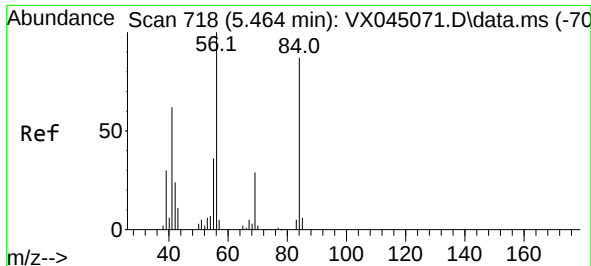
Tgt Ion:	45	Resp:	896
Ion	Ratio	Lower	Upper
45	100		
43	35.0	54.9	82.3#
87	0.0	21.0	31.4#
59	0.0	8.7	13.1#



#25
2-Butanone
Concen: 0.663 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.030 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

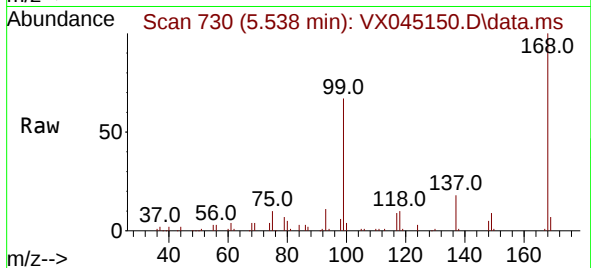
Tgt Ion:	43	Resp:	535
Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.0	30.0



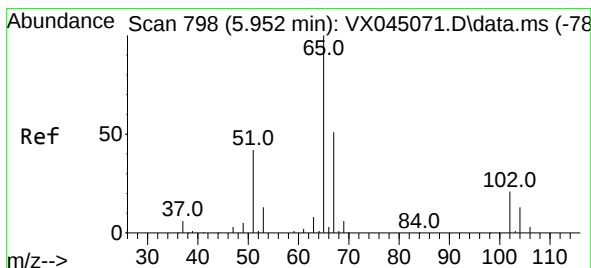
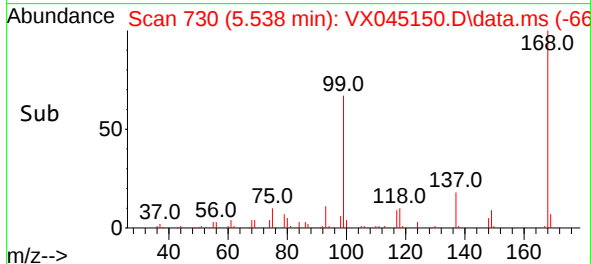
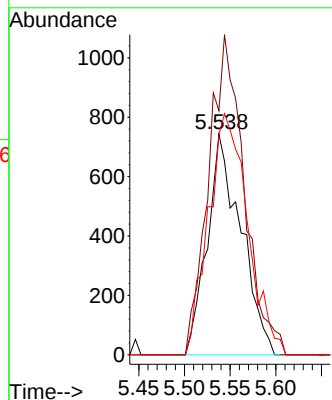


#31
Cyclohexane
Concen: 1.210 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

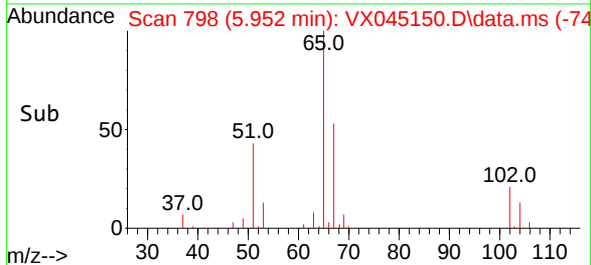
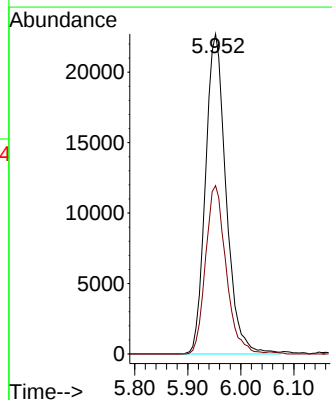
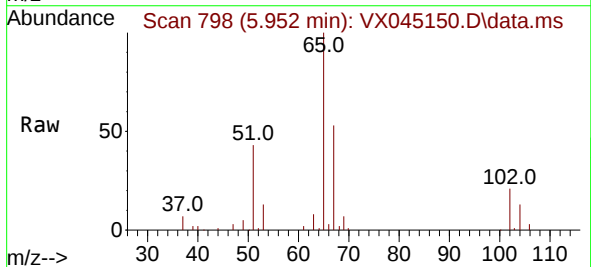


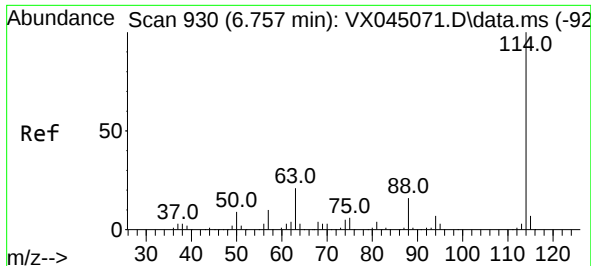
Tgt Ion: 56 Resp: 1901
Ion Ratio Lower Upper
56 100
69 110.6 23.4 35.2#
84 99.7 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 52.987 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 65 Resp: 61188
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2

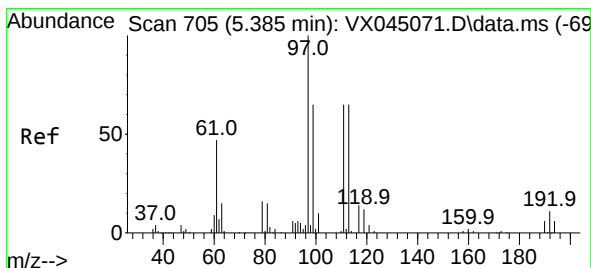
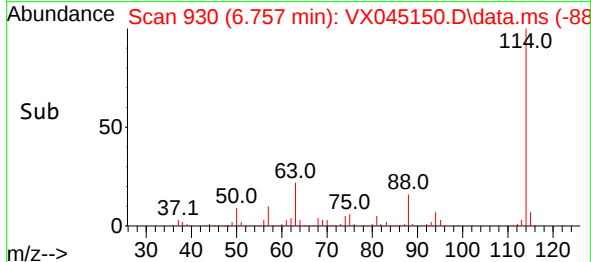
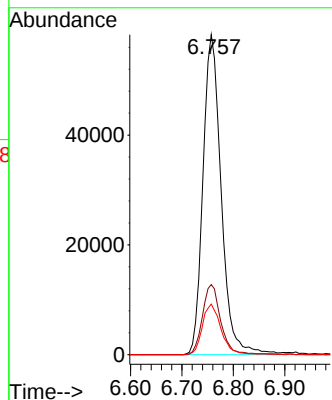
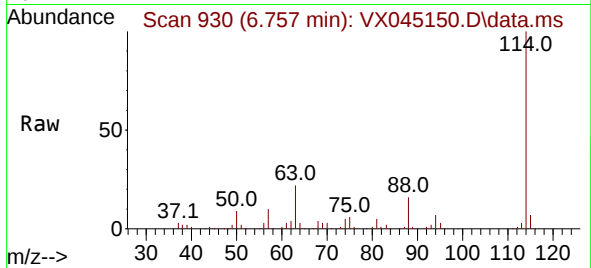




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

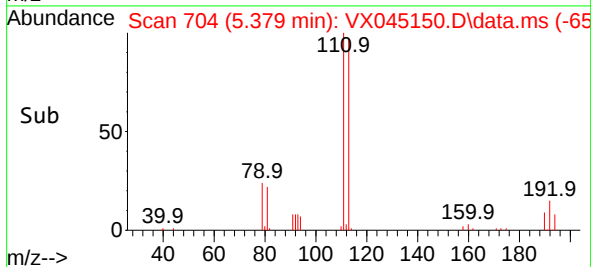
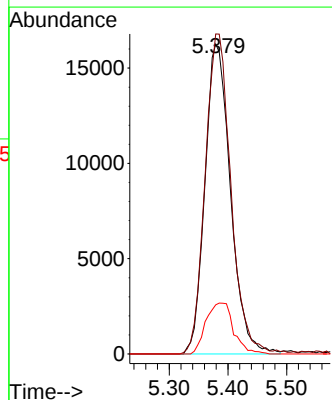
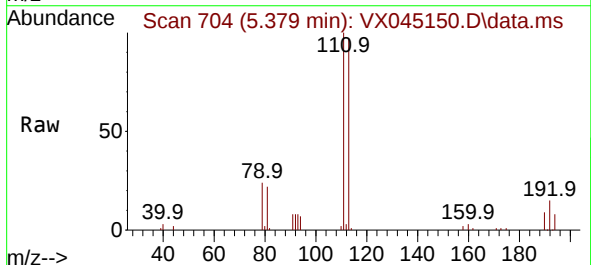
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

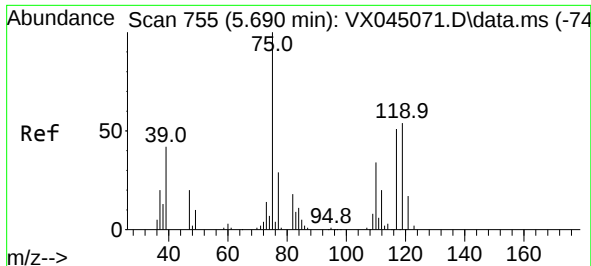
Tgt Ion:114 Resp: 143720
Ion Ratio Lower Upper
114 100
63 21.9 0.0 41.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.177 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion:113 Resp: 49182
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.6
192 17.7 14.3 21.5

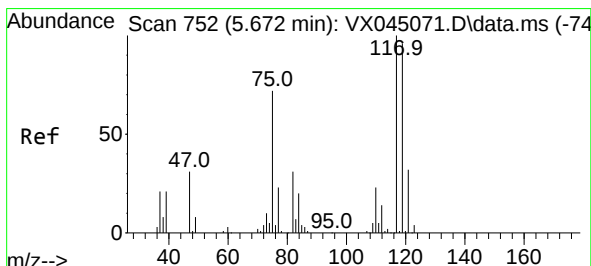
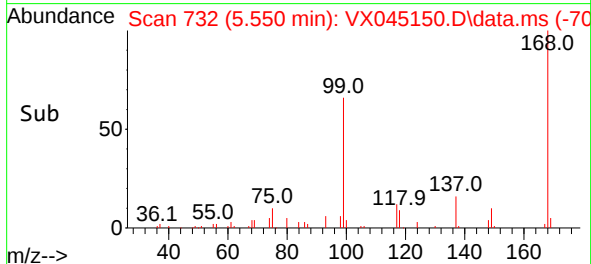
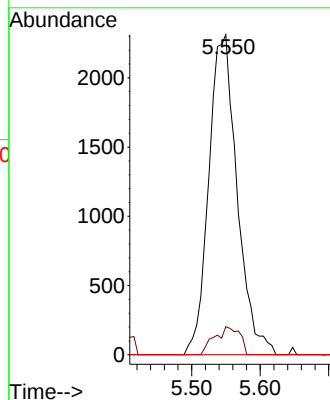
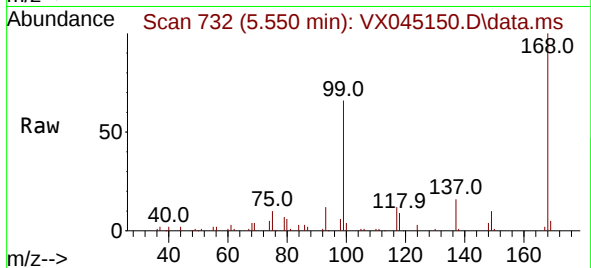




#36
1,1-Dichloropropene
Concen: 5.037 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

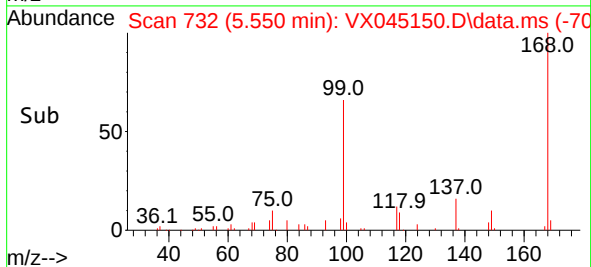
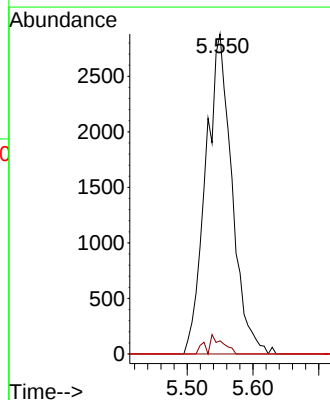
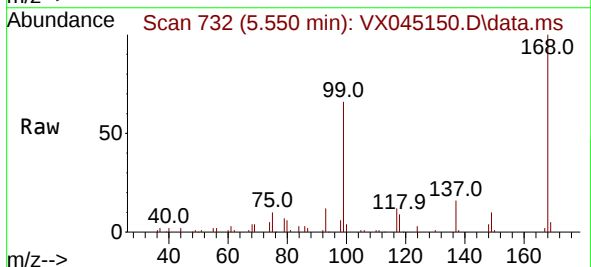
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

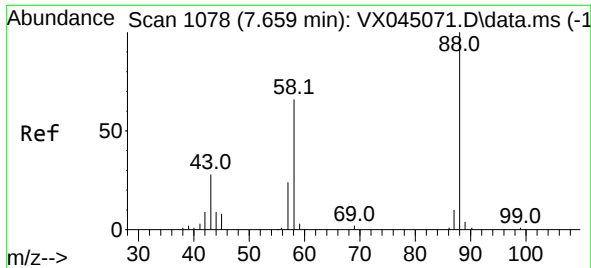
Tgt Ion: 75 Resp: 6639
Ion Ratio Lower Upper
75 100
110 7.8 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.962 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 117 Resp: 7977
Ion Ratio Lower Upper
117 100
119 4.1 76.7 115.1#
121 0.0 25.5 38.3#

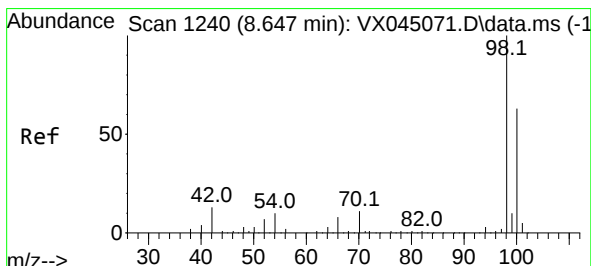
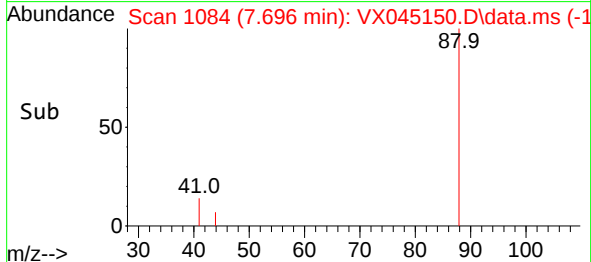
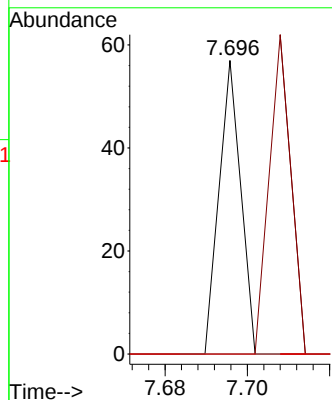
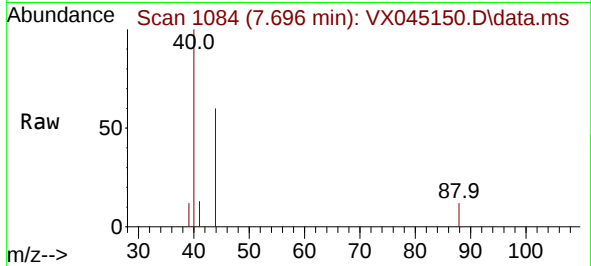




#49
1,4-Dioxane
Concen: 0.790 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.037 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

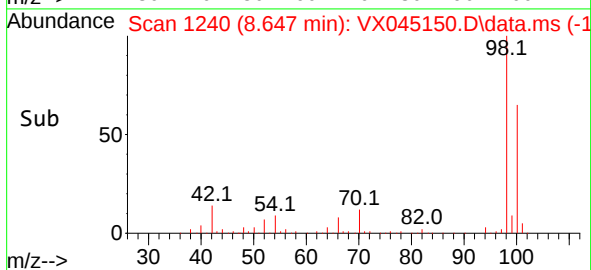
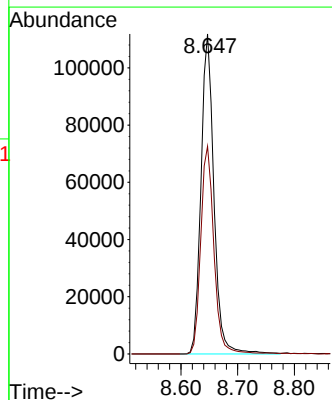
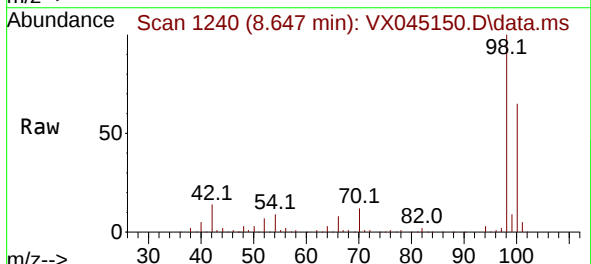
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

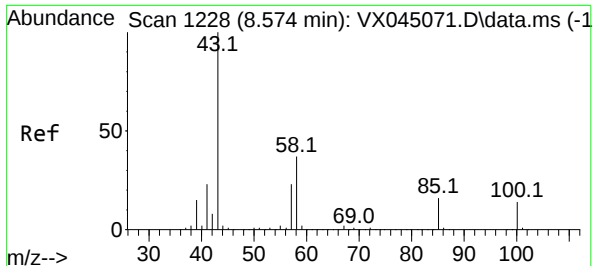
Tgt Ion	Ratio	Lower	Upper
88	100		
43	109.5	28.7	43.1#
58	0.0	55.8	83.8#



#50
Toluene-d8
Concen: 50.971 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.0	78.0

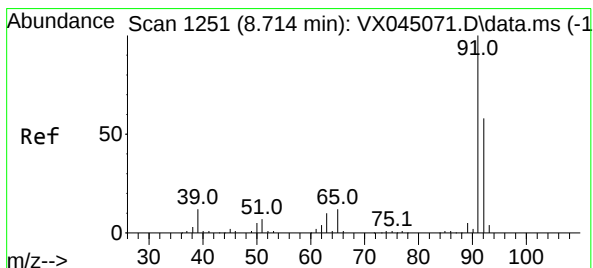
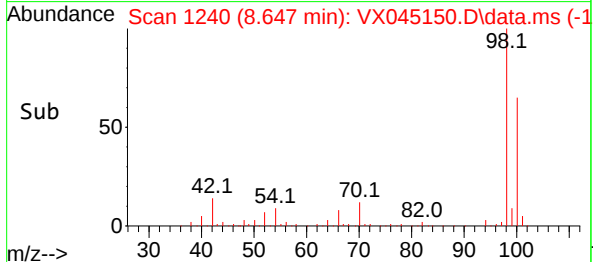
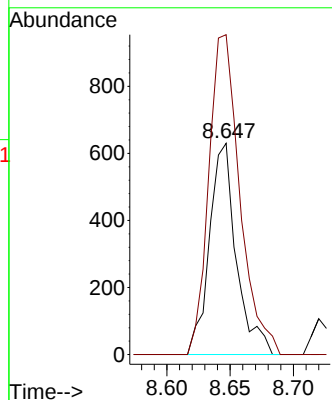
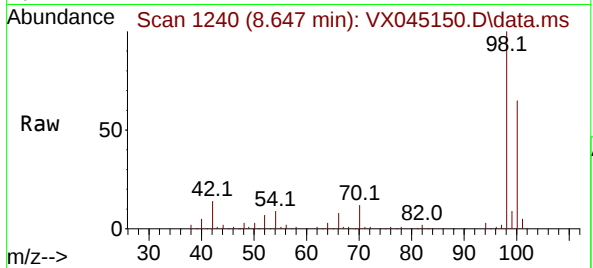




#51
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

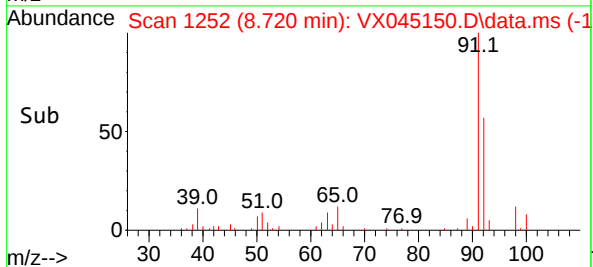
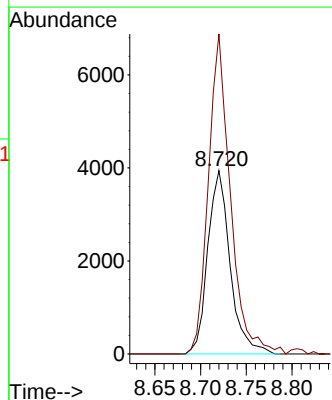
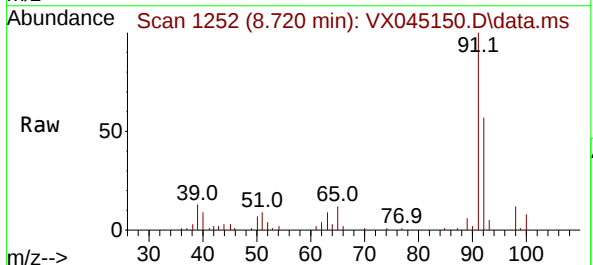
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

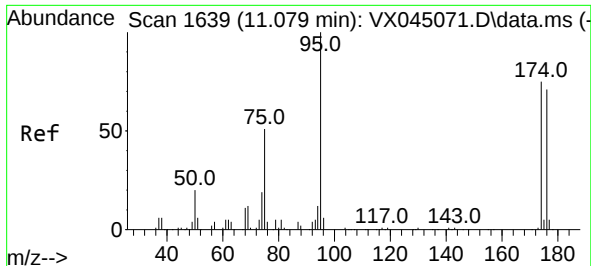
Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
58 175.1 29.2 43.8#



#52
Toluene
Concen: 2.746 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 92 Resp: 6706
Ion Ratio Lower Upper
92 100
91 171.8 138.9 208.3

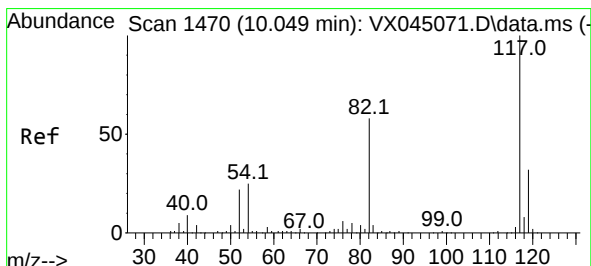
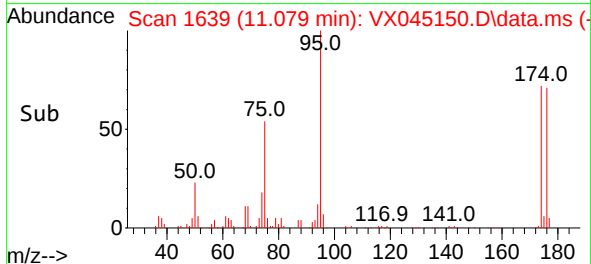
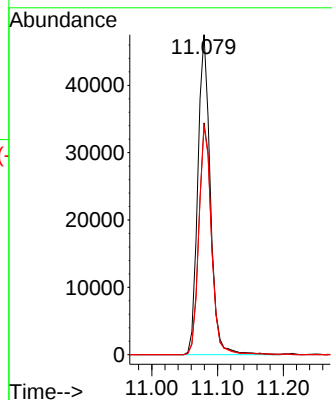
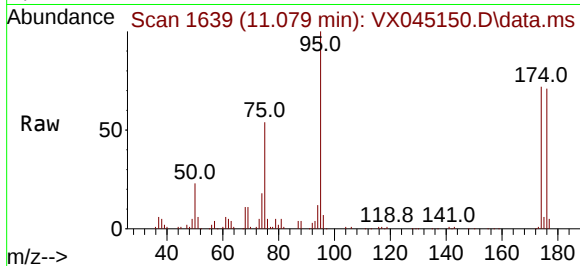




#62
4-Bromofluorobenzene
Concen: 54.300 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

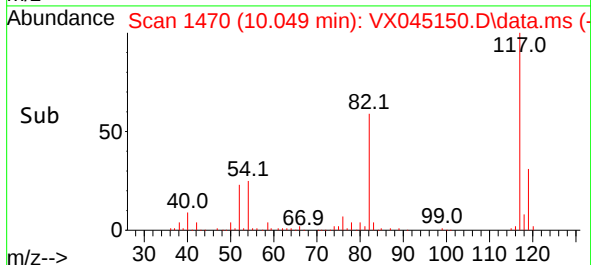
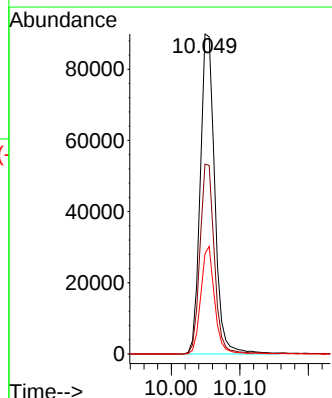
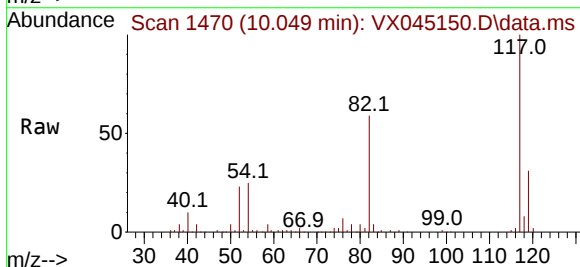
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

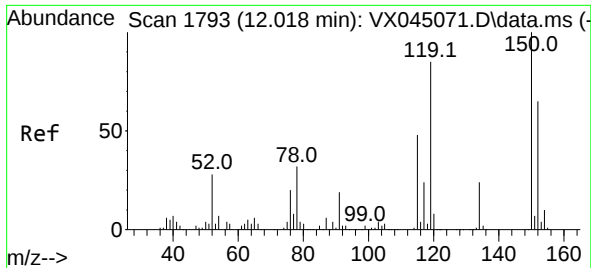
Tgt Ion: 95 Resp: 62689
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.2
176 71.9 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 117 Resp: 132869
Ion Ratio Lower Upper
117 100
82 59.3 46.3 69.5
119 31.4 25.7 38.5

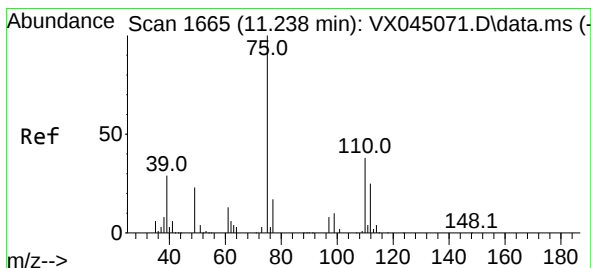
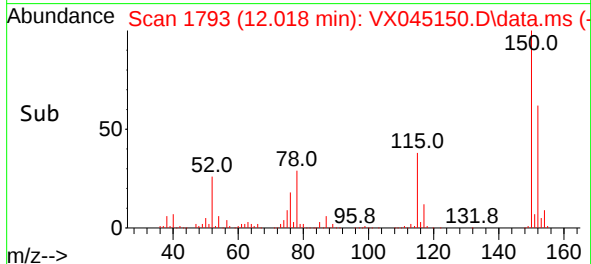
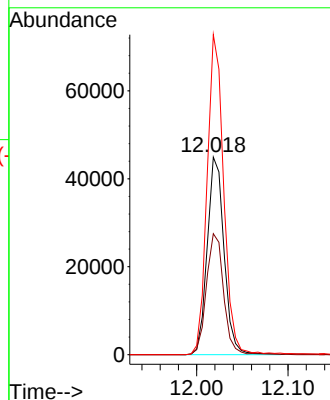
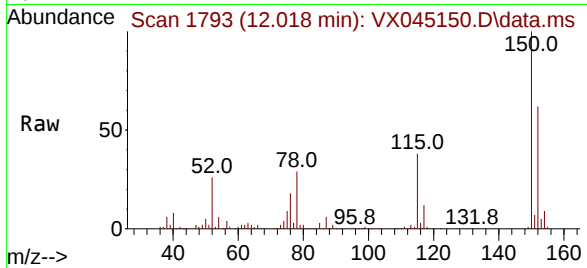




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045150.D
 Acq: 05 Mar 2025 18:15

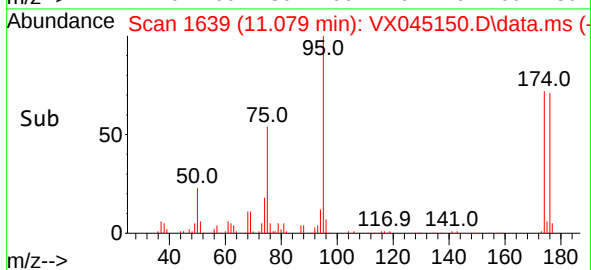
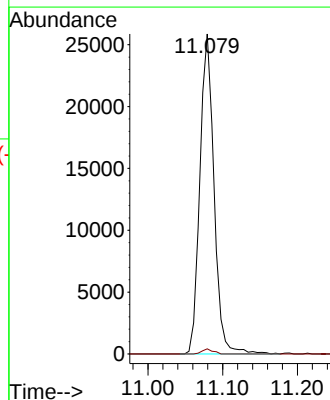
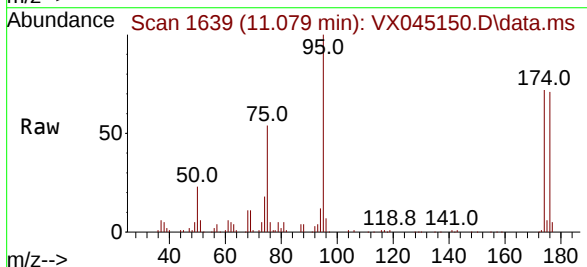
Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-102-GW01

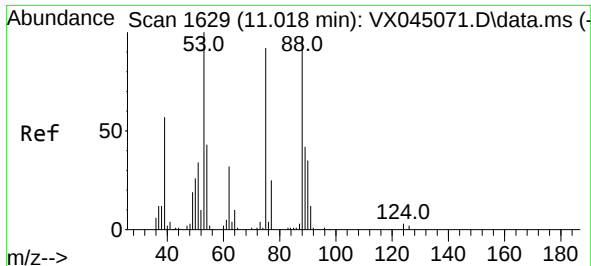
Tgt Ion:152 Resp: 57679
 Ion Ratio Lower Upper
 152 100
 115 62.6 44.2 132.6
 150 159.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.350 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045150.D
 Acq: 05 Mar 2025 18:15

Tgt Ion: 75 Resp: 34032
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.752 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045150.D
 Acq: 05 Mar 2025 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-102-GW01

Tgt Ion: 75 Resp: 34032
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

