

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX046010.D
 Acq On : 30 Apr 2025 19:57
 Operator : JC/MD
 Sample : Q1901-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-170-SB02

Quant Time: May 01 03:40:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

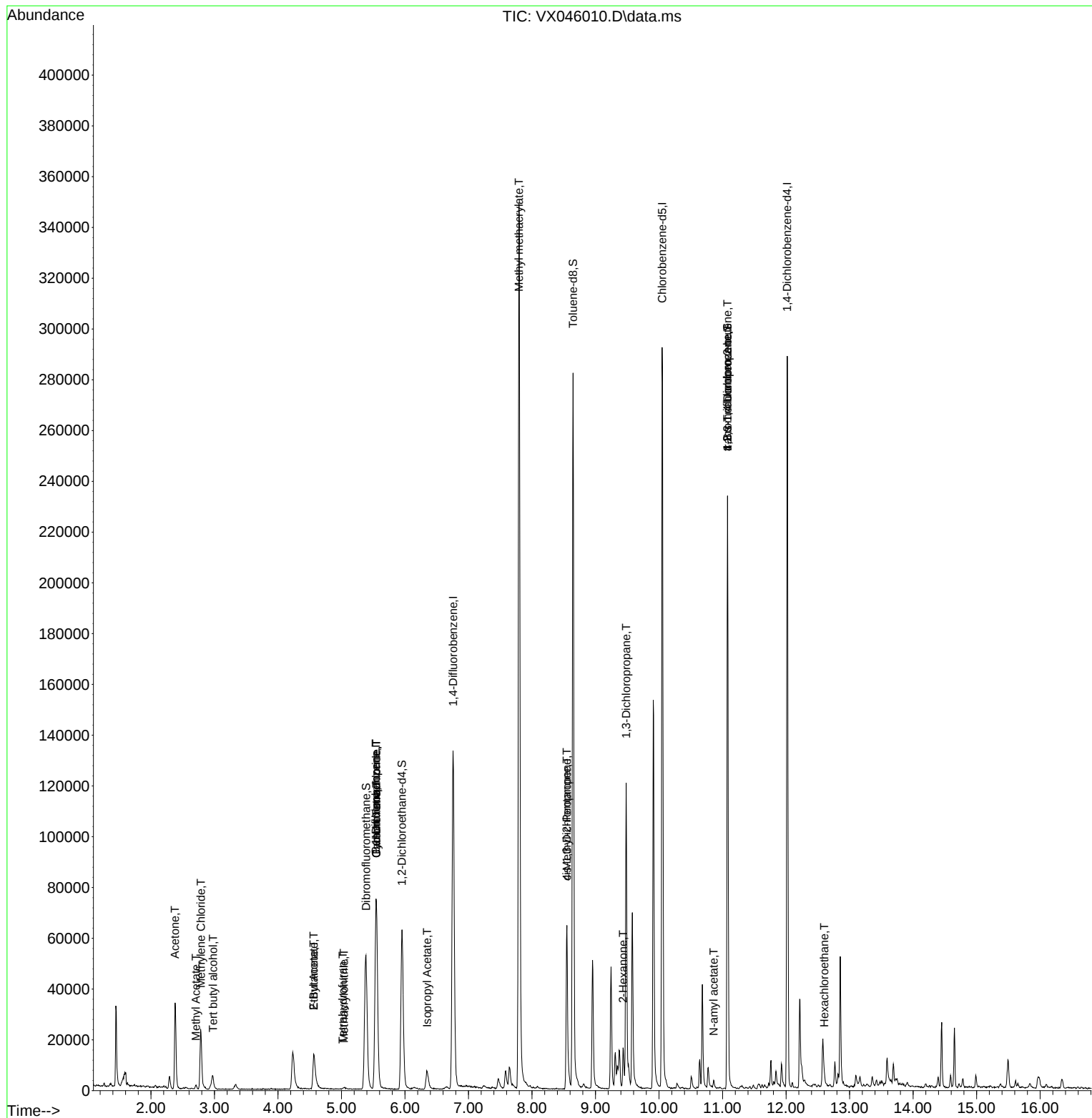
Internal Standards						
1) Pentafluorobenzene	5.544	168	64982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127775	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64612	54.371	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.740%			
35) Dibromofluoromethane	5.385	113	45913	50.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	8.647	98	160014	50.569	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.140%			
62) 4-Bromofluorobenzene	11.079	95	62061	53.845	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.700%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	6244	39.097	ug/l	95
16) Acetone	2.380	43	36845	75.507	ug/l	97
18) Methyl Acetate	2.709	43	1957	1.742	ug/l	94
20) Methylene Chloride	2.788	84	10717	11.731	ug/l	97
25) 2-Butanone	4.562	43	26175	36.645	ug/l	95
29) Tetrahydrofuran	5.019	42	189	0.408	ug/l #	44
31) Cyclohexane	5.550	56	1789	1.227	ug/l #	22
36) 1,1-Dichloropropene	5.544	75	6618	5.407	ug/l #	49
37) Ethyl Acetate	4.562	43	26175	16.969	ug/l #	71
38) Carbon Tetrachloride	5.550	117	7845	5.930	ug/l #	16
41) Methacrylonitrile	5.038	41	352	0.432	ug/l #	41
43) Isopropyl Acetate	6.348	43	11261	4.817	ug/l #	92
48) Methyl methacrylate	7.793	41	35098	29.076	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	27076	17.470	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	9429	7.017	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	957	0.610	ug/l #	42
59) 2-Hexanone	9.433	43	9525	8.299	ug/l	100
74) N-amyl acetate	10.860	43	673	0.338	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	35097	27.704	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35097	94.023	ug/l #	1
90) Hexachloroethane	12.603	117	251	0.423	ug/l #	19

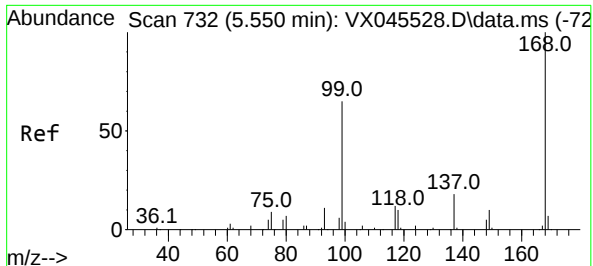
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

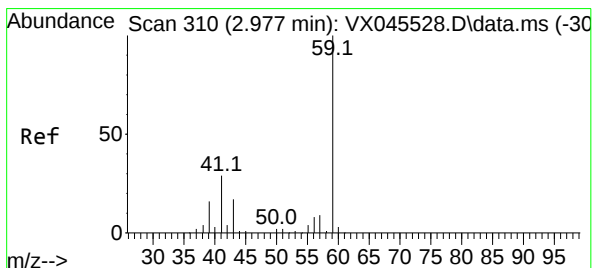
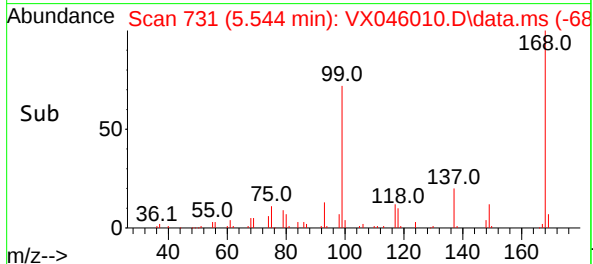
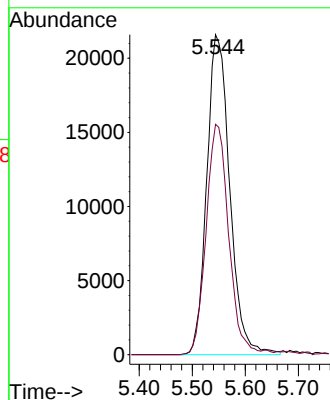
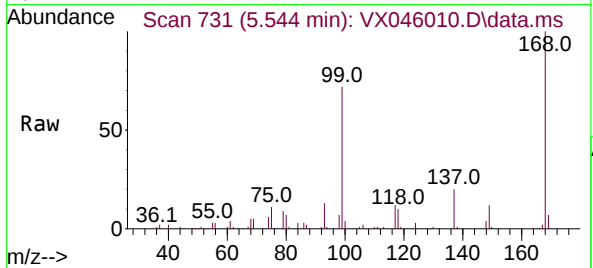




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

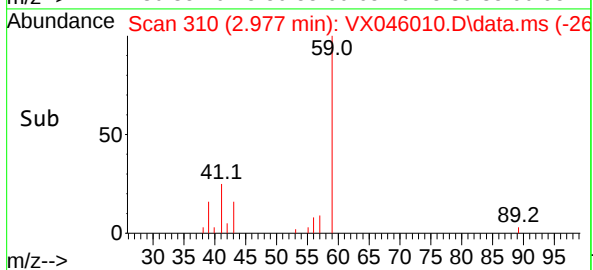
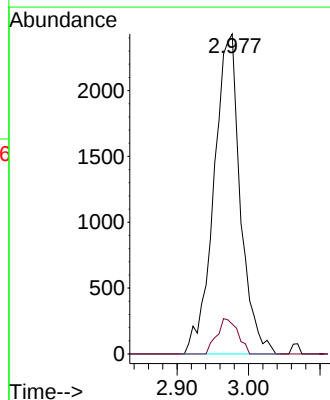
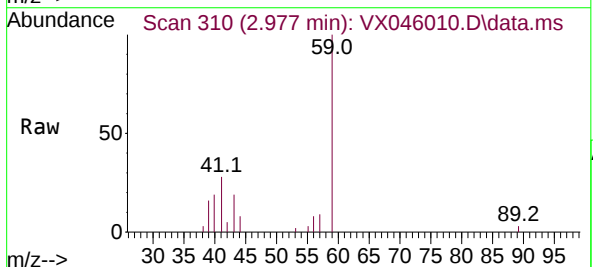
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB02

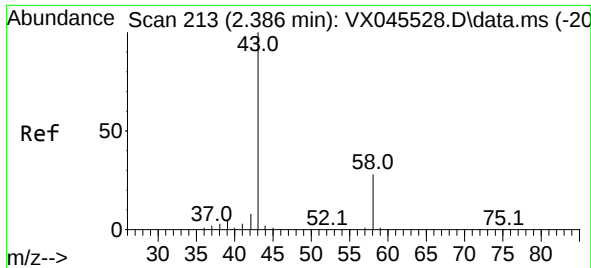
Tgt Ion:168 Resp: 64982
Ion Ratio Lower Upper
168 100
99 72.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 39.097 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

Tgt Ion: 59 Resp: 6244
Ion Ratio Lower Upper
59 100
57 8.7 8.6 12.8

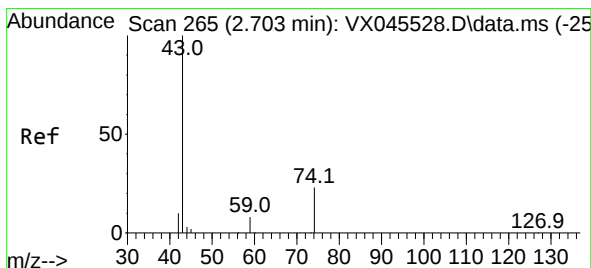
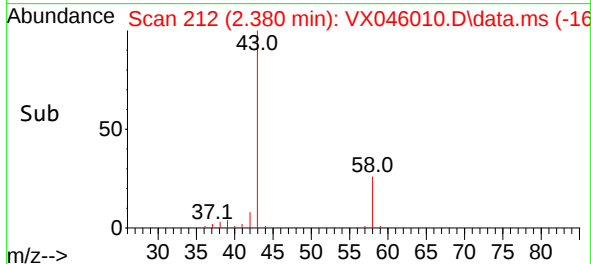
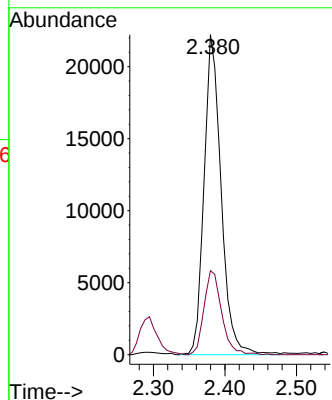
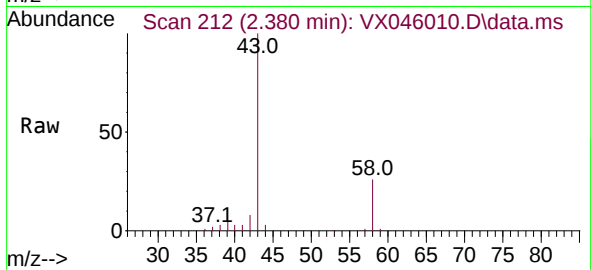




#16
Acetone
Concen: 75.507 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

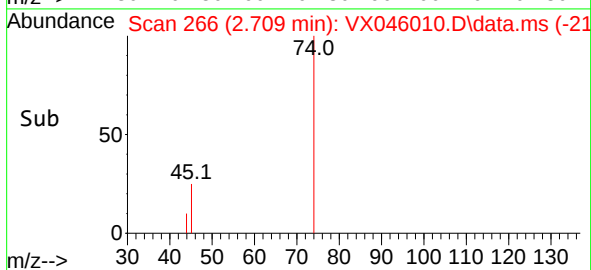
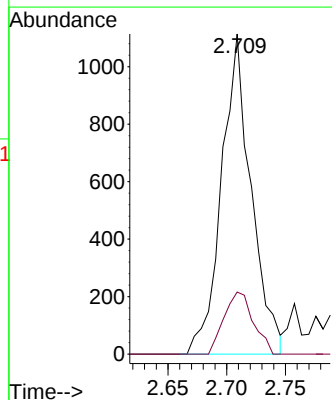
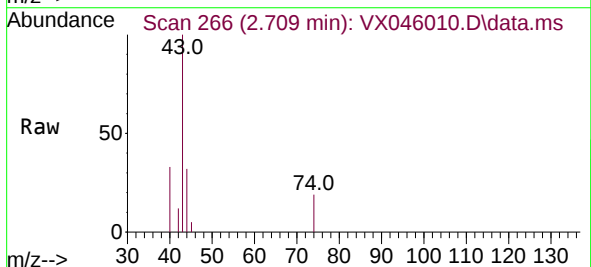
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB02

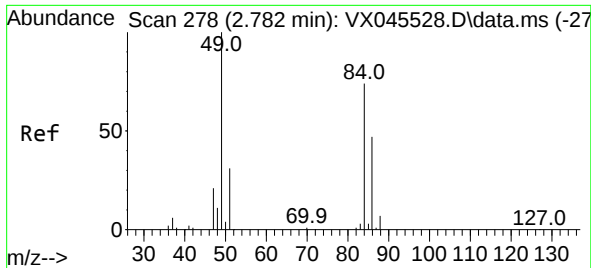
Tgt Ion: 43 Resp: 36845
Ion Ratio Lower Upper
43 100
58 26.3 22.3 33.5



#18
Methyl Acetate
Concen: 1.742 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

Tgt Ion: 43 Resp: 1957
Ion Ratio Lower Upper
43 100
74 19.1 17.5 26.3

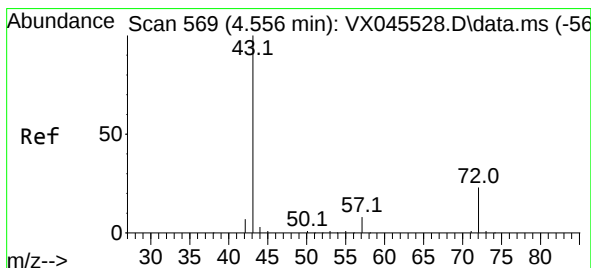
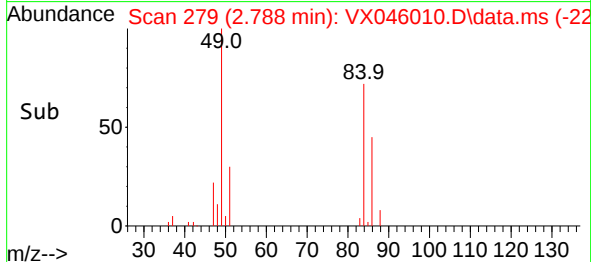
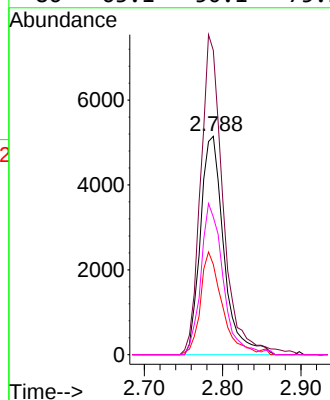
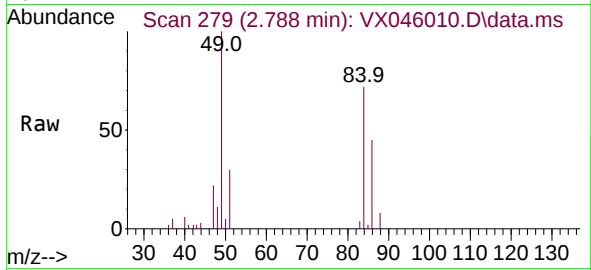




#20
Methylene Chloride
Concen: 11.731 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

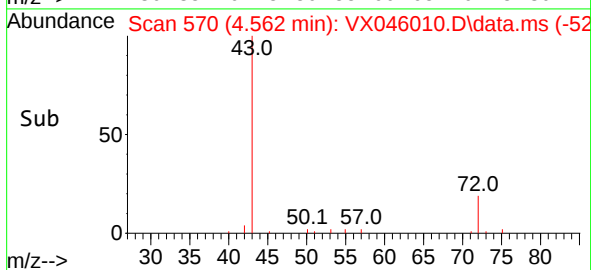
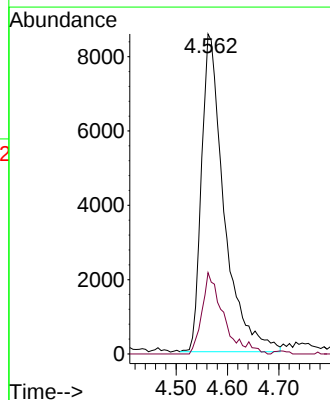
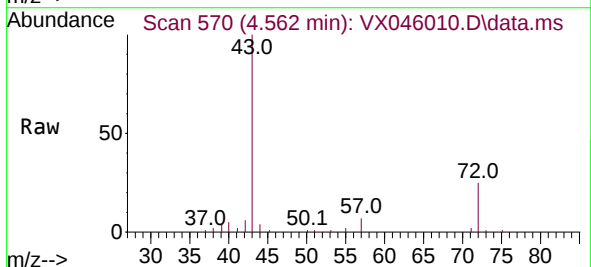
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB02

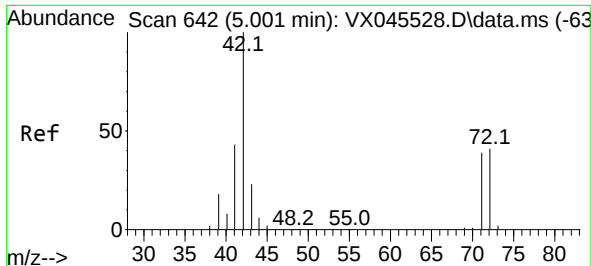
Tgt Ion:	84	Resp:	10717
Ion	Ratio	Lower	Upper
84	100		
49	139.4	107.5	161.3
51	41.4	33.0	49.6
86	63.1	50.1	75.1



#25
2-Butanone
Concen: 36.645 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

Tgt Ion:	43	Resp:	26175
Ion	Ratio	Lower	Upper
43	100		
72	25.6	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.408 ug/l

RT: 5.019 min Scan# 642

Delta R.T. 0.018 min

Lab File: VX046010.D

Acq: 30 Apr 2025 19:57

Instrument :

MSVOA_X

ClientSampleId :

B-170-SB02

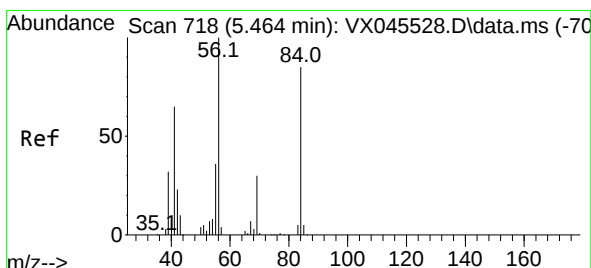
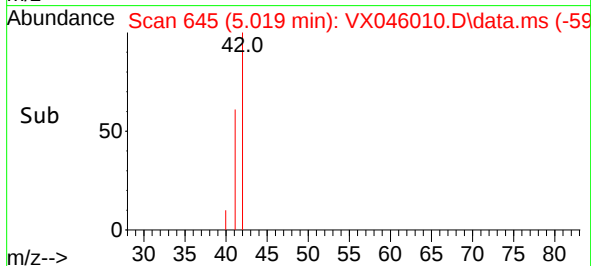
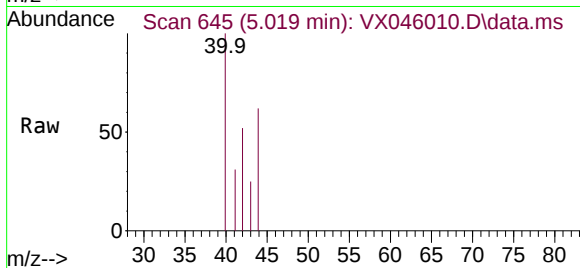
Tgt Ion: 42 Resp: 189

Ion Ratio Lower Upper

42 100

72 10.6 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.227 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046010.D

Acq: 30 Apr 2025 19:57

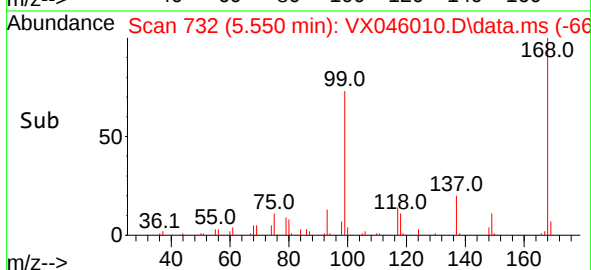
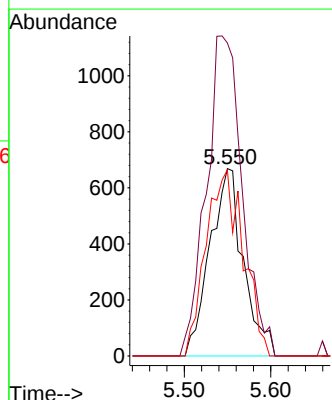
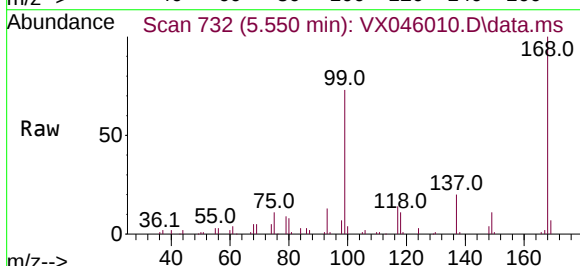
Tgt Ion: 56 Resp: 1789

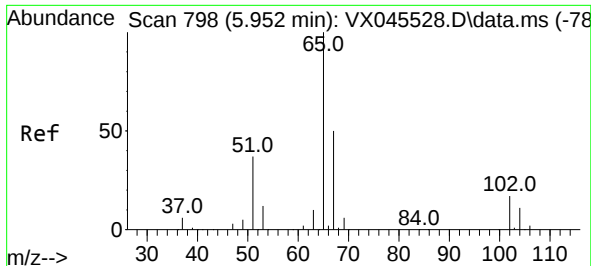
Ion Ratio Lower Upper

56 100

69 167.0 23.6 35.4#

84 99.3 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 54.371 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046010.D

Acq: 30 Apr 2025 19:57

Instrument :

MSVOA_X

ClientSampleId :

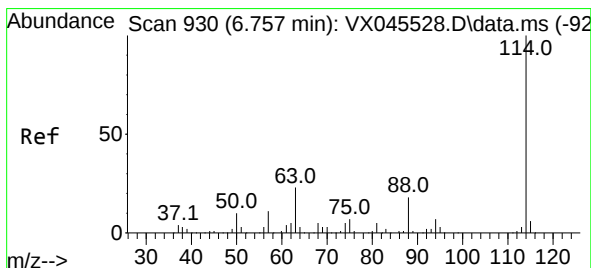
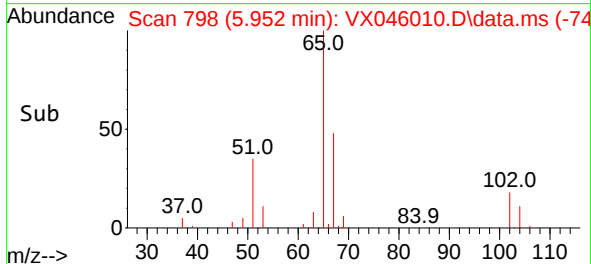
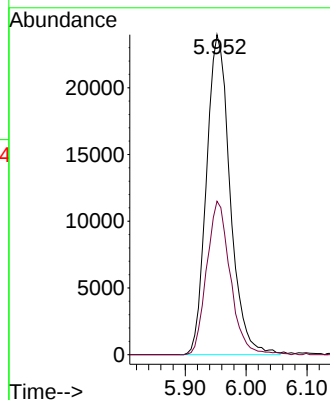
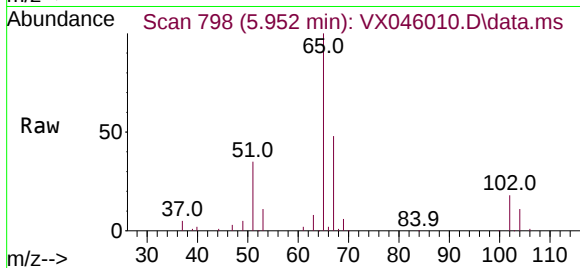
B-170-SB02

Tgt Ion: 65 Resp: 64612

Ion Ratio Lower Upper

65 100

67 47.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046010.D

Acq: 30 Apr 2025 19:57

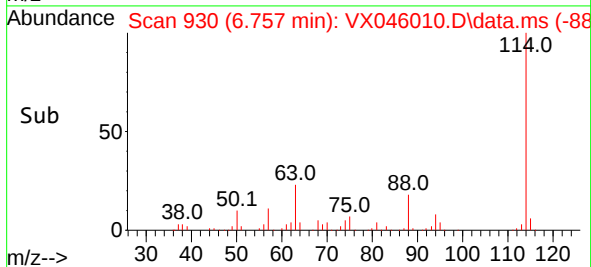
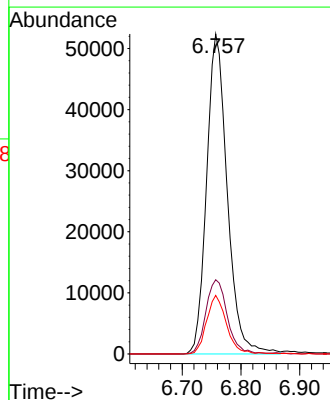
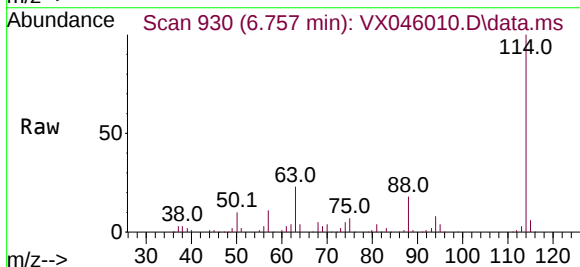
Tgt Ion: 114 Resp: 127775

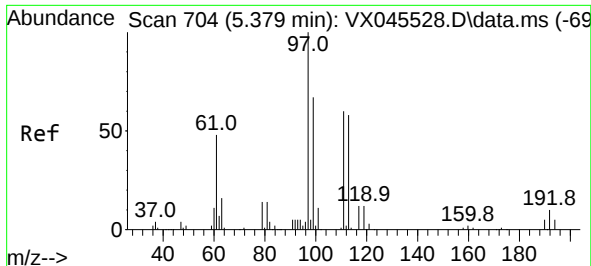
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.8

88 18.3 0.0 35.4

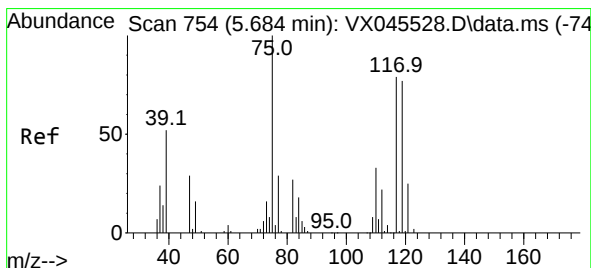
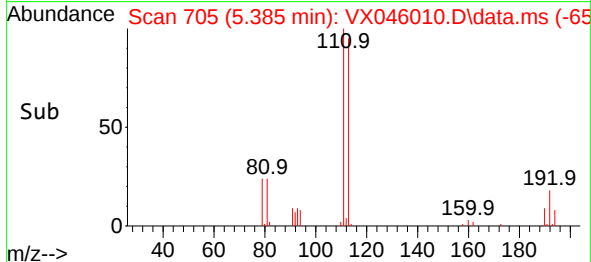
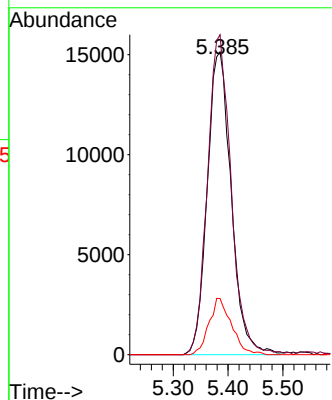
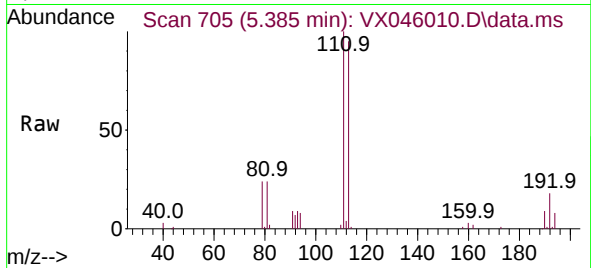




#35
Dibromofluoromethane
Concen: 50.645 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

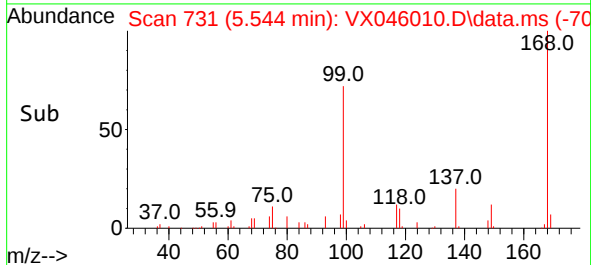
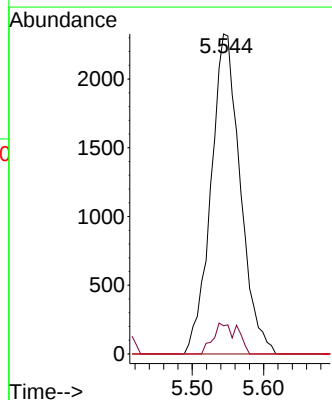
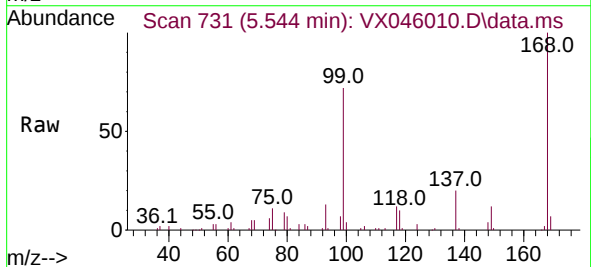
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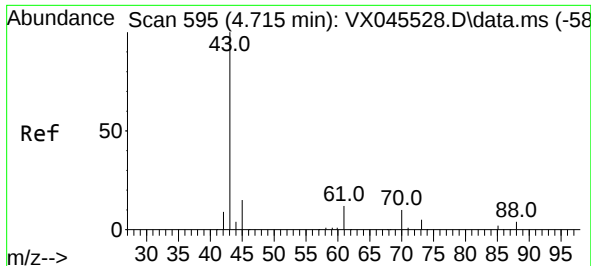
Tgt Ion:113 Resp: 45913
Ion Ratio Lower Upper
113 100
111 104.4 81.8 122.6
192 17.5 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.407 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

Tgt Ion: 75 Resp: 6618
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 16.969 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX046010.D

Acq: 30 Apr 2025 19:57

Instrument :

MSVOA_X

ClientSampleId :

B-170-SB02

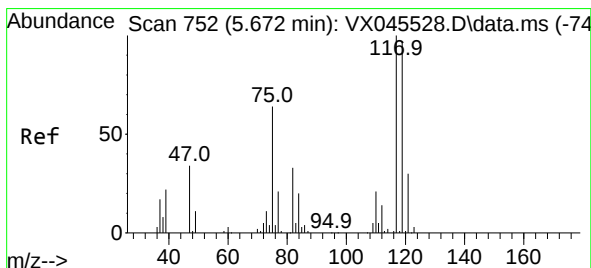
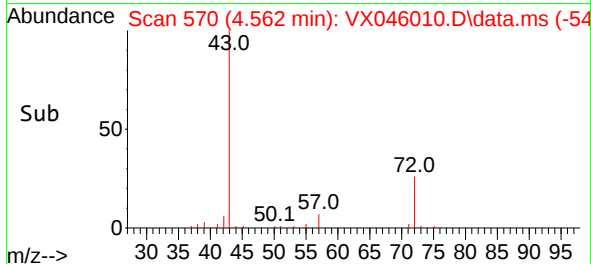
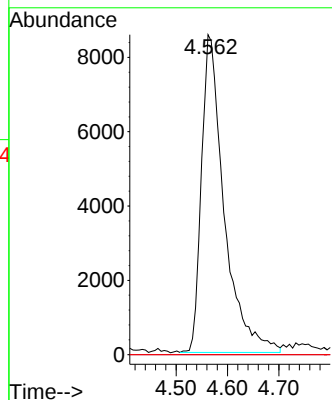
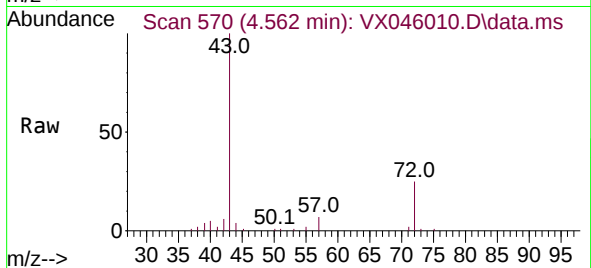
Tgt Ion: 43 Resp: 26175

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX046010.D

Acq: 30 Apr 2025 19:57

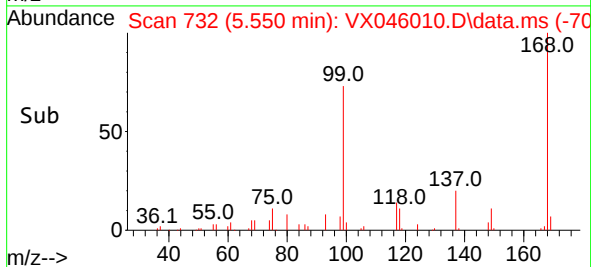
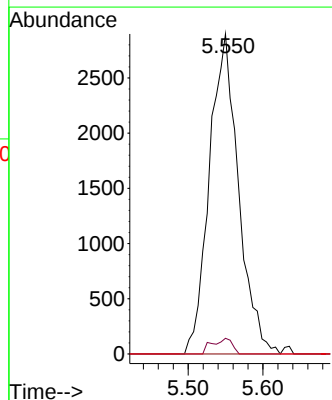
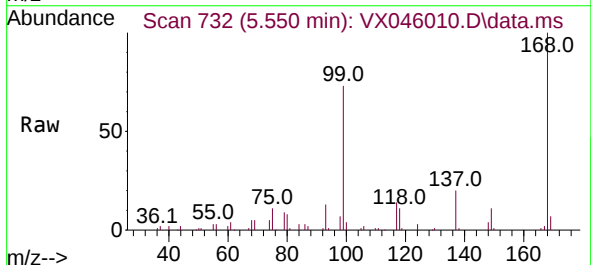
Tgt Ion: 117 Resp: 7845

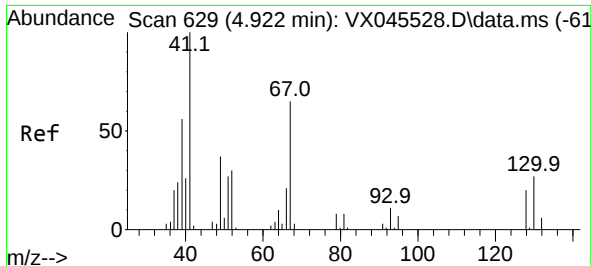
Ion Ratio Lower Upper

117 100

119 4.9 76.9 115.3#

121 0.0 24.2 36.2#

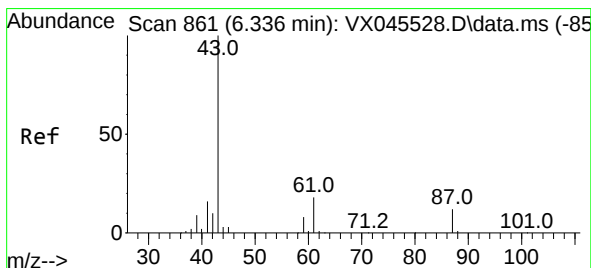
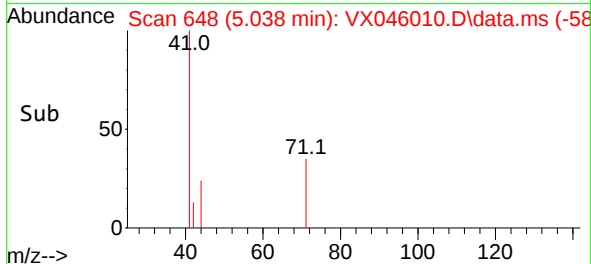
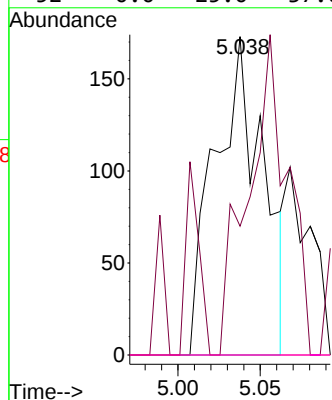
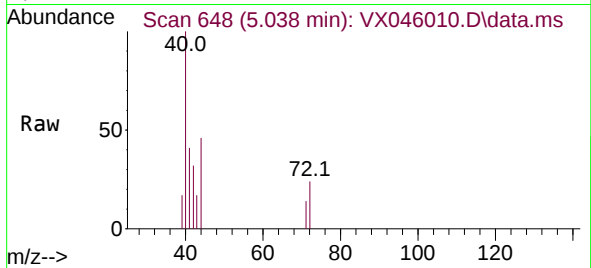




#41
Methacrylonitrile
Concen: 0.432 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

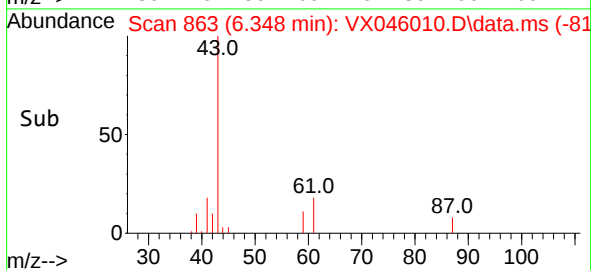
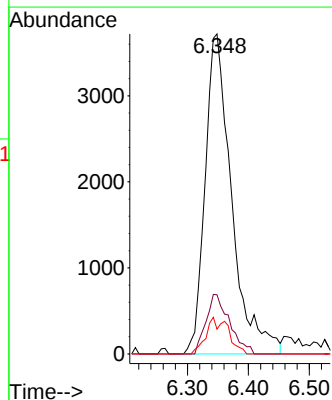
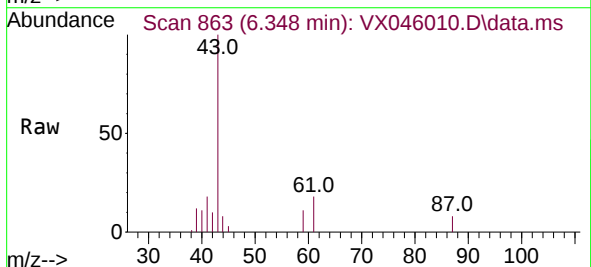
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB02

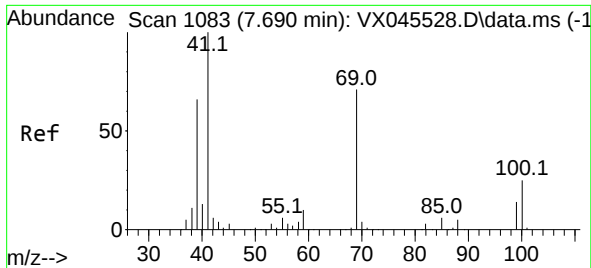
Tgt Ion: 41	Resp:	352
Ion	Ratio	Lower Upper
41	100	
39	82.4	47.0 70.6#
67	0.0	53.2 79.8#
52	0.0	25.0 37.6#



#43
Isopropyl Acetate
Concen: 4.817 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

Tgt Ion: 43	Resp:	11261
Ion	Ratio	Lower Upper
43	100	
61	16.5	14.1 21.1
87	5.0	9.2 13.8#

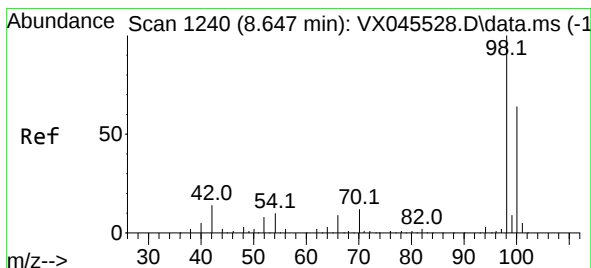
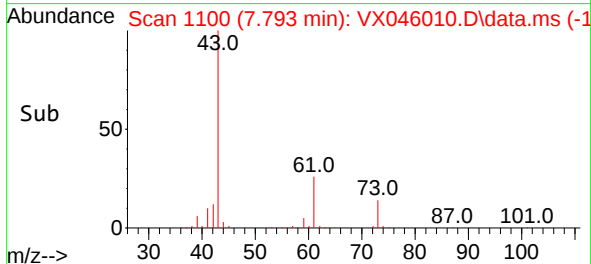
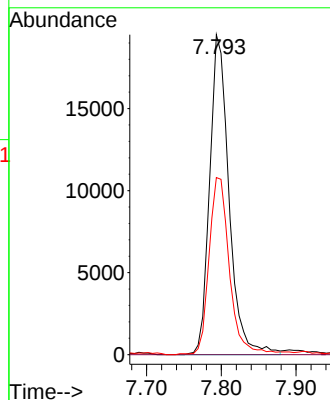
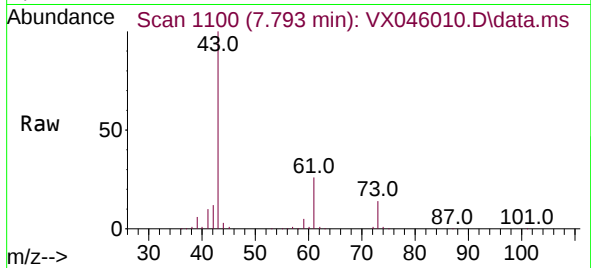




#48
Methyl methacrylate
Concen: 29.076 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

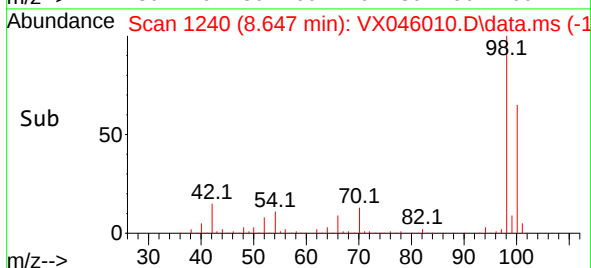
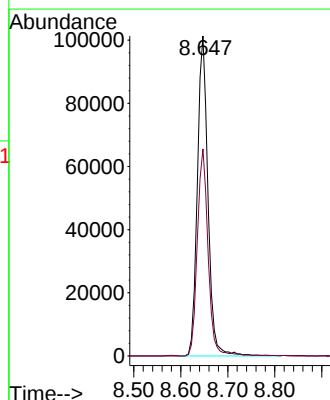
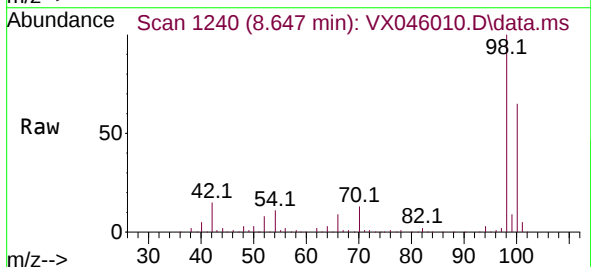
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB02

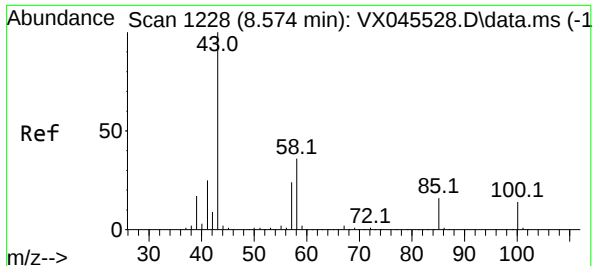
Tgt Ion: 41 Resp: 35098
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.7 53.6 80.4



#50
Toluene-d8
Concen: 50.569 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

Tgt Ion: 98 Resp: 160014
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4

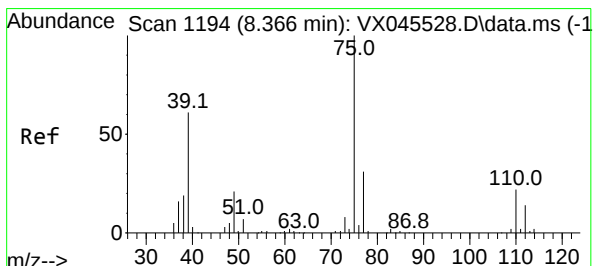
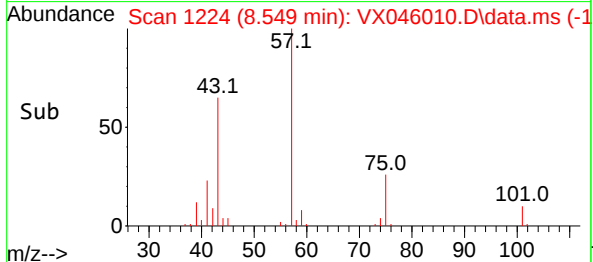
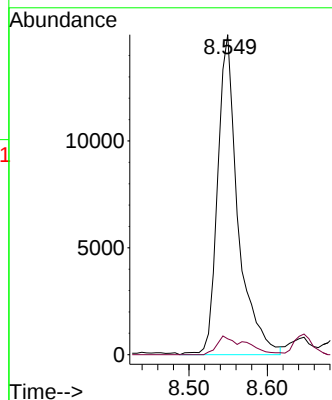
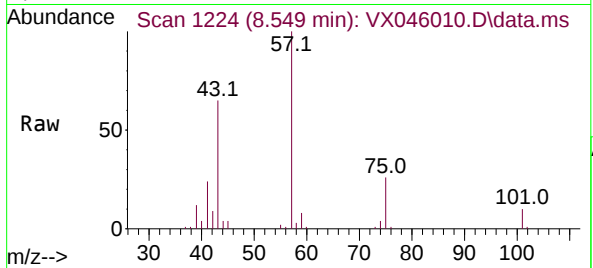




#51
4-Methyl-2-Pentanone
Concen: 17.470 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

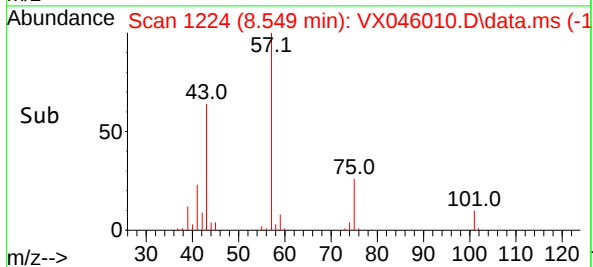
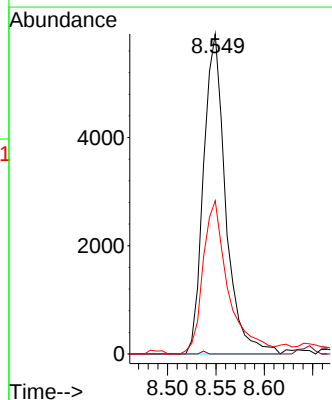
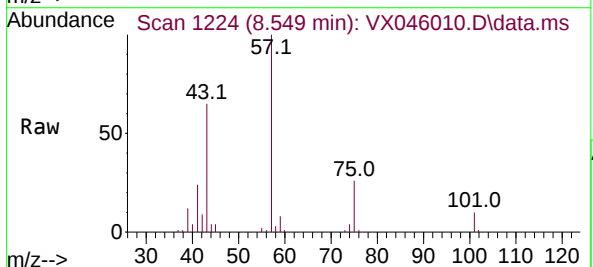
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB02

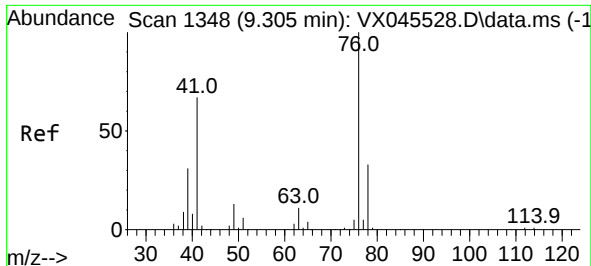
Tgt Ion: 43 Resp: 27076
Ion Ratio Lower Upper
43 100
58 4.9 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 7.017 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

Tgt Ion: 75 Resp: 9429
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 47.9 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.610 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046010.D

Acq: 30 Apr 2025 19:57

Instrument :

MSVOA_X

ClientSampleId :

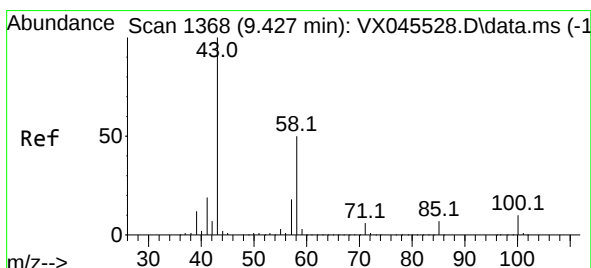
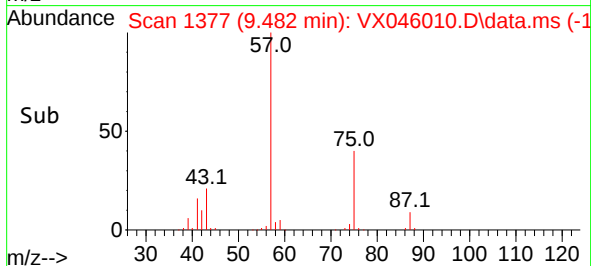
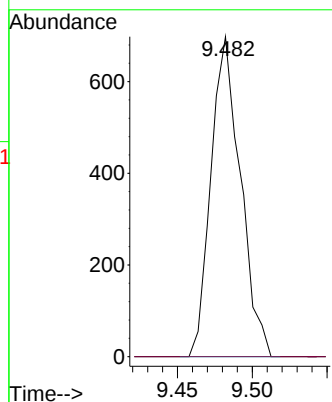
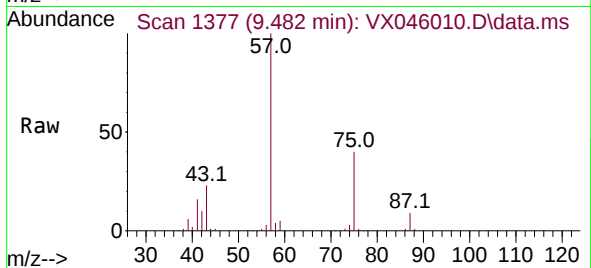
B-170-SB02

Tgt Ion: 76 Resp: 957

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 8.299 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX046010.D

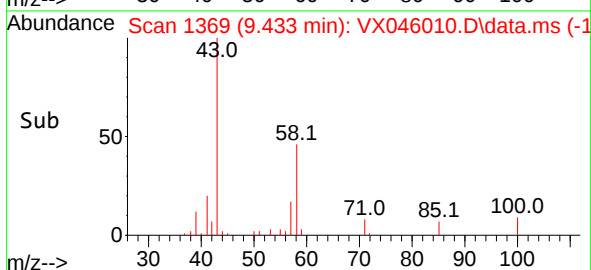
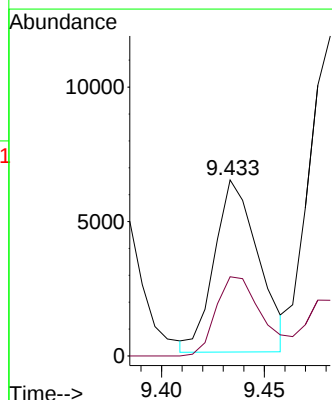
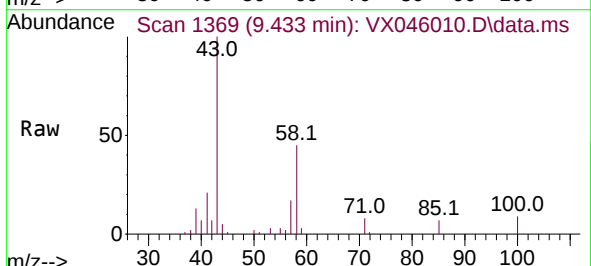
Acq: 30 Apr 2025 19:57

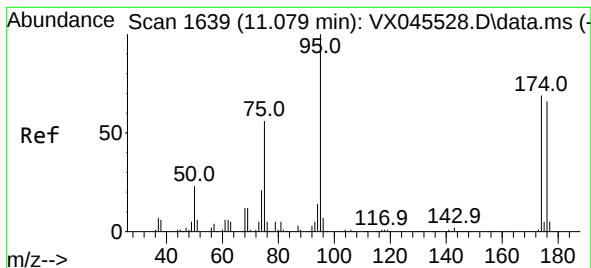
Tgt Ion: 43 Resp: 9525

Ion Ratio Lower Upper

43 100

58 49.7 24.9 74.6

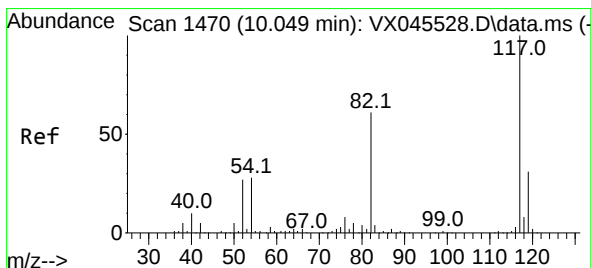
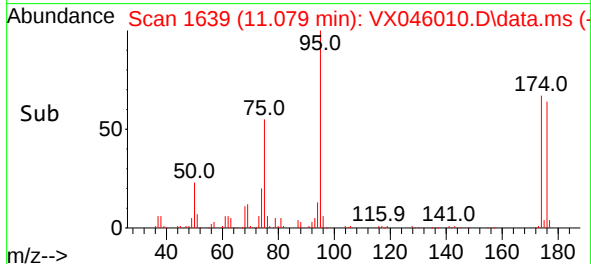
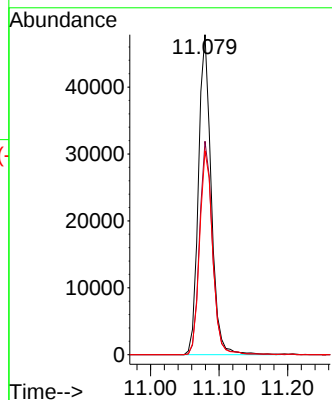
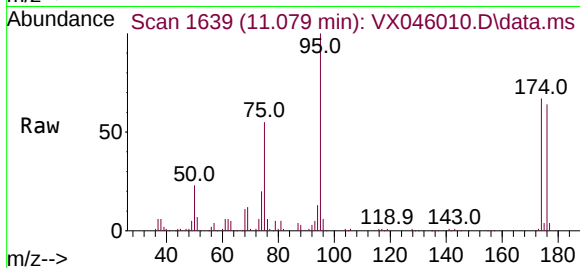




#62
4-Bromofluorobenzene
Concen: 53.845 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

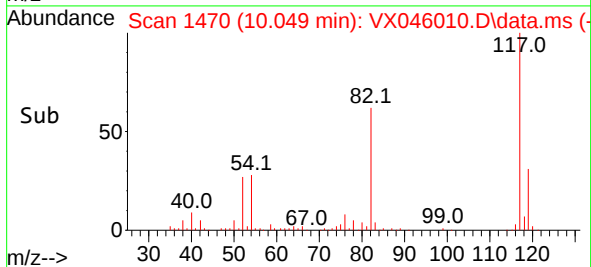
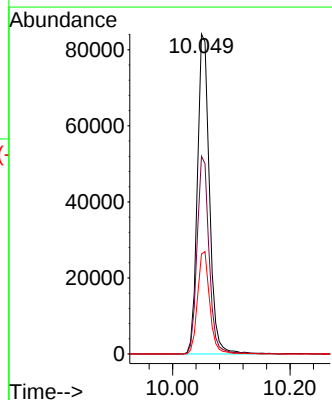
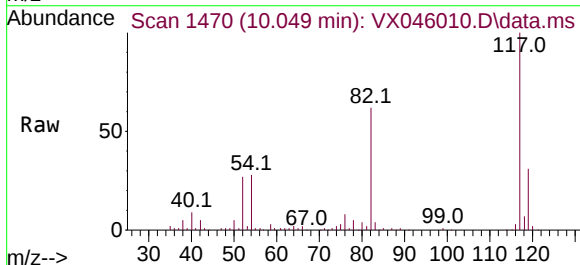
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB02

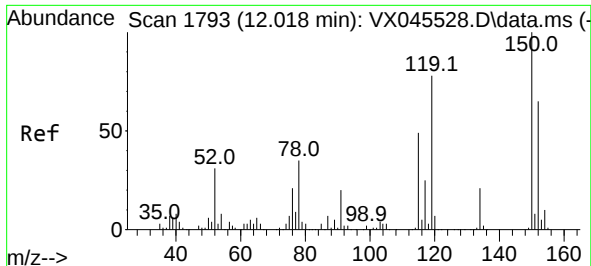
Tgt Ion: 95 Resp: 62061
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 65.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

Tgt Ion: 117 Resp: 119826
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 31.3 25.1 37.7

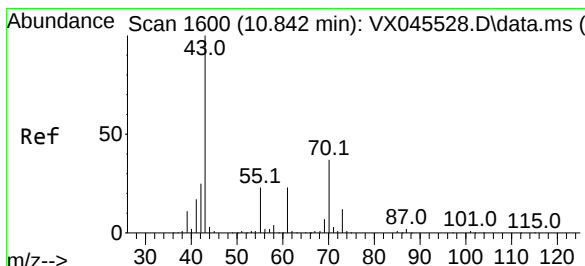
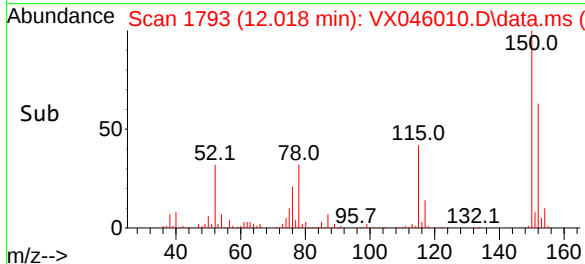
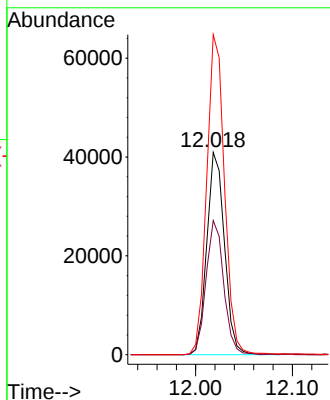
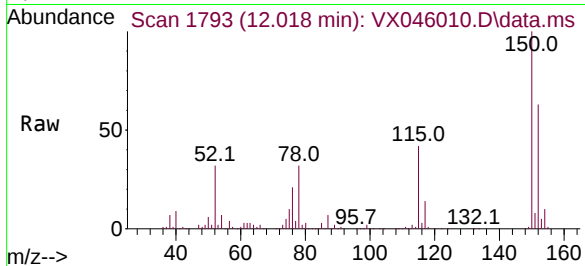




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX046010.D
 Acq: 30 Apr 2025 19:57

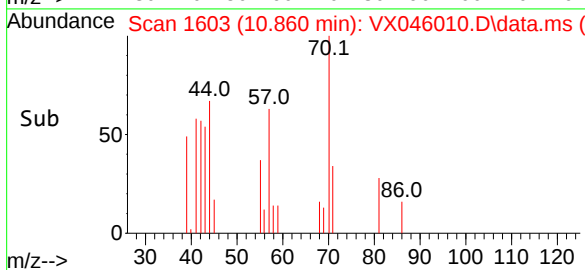
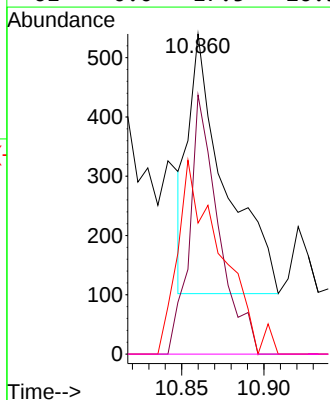
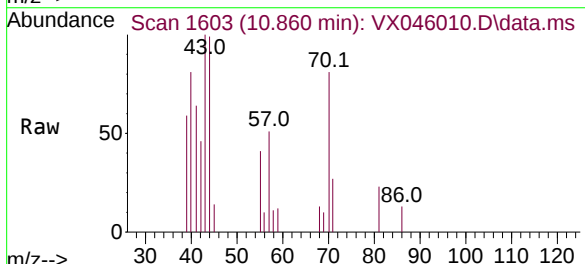
Instrument :
 MSVOA_X
 ClientSampleId :
 B-170-SB02

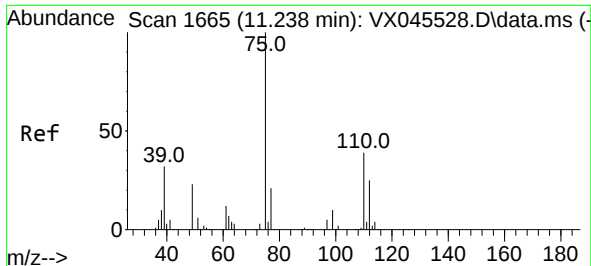
Tgt Ion:152 Resp: 51937
 Ion Ratio Lower Upper
 152 100
 115 66.3 46.9 140.7
 150 159.1 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.338 ug/l
 RT: 10.860 min Scan# 1603
 Delta R.T. 0.018 min
 Lab File: VX046010.D
 Acq: 30 Apr 2025 19:57

Tgt Ion: 43 Resp: 673
 Ion Ratio Lower Upper
 43 100
 70 80.1 30.1 45.1#
 55 88.7 18.3 27.5#
 61 0.0 17.5 26.3#

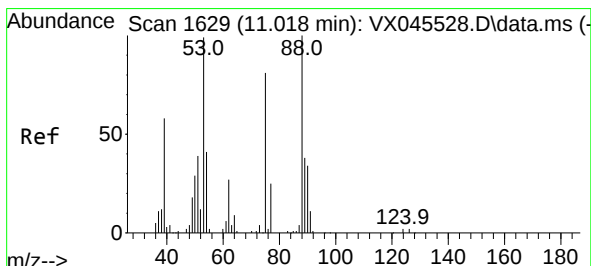
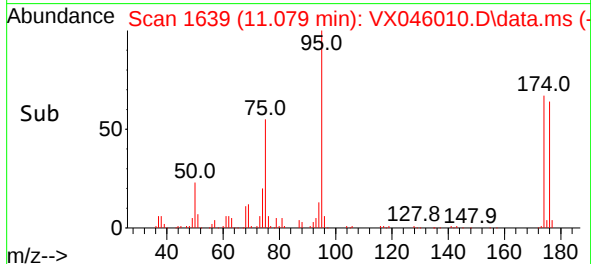
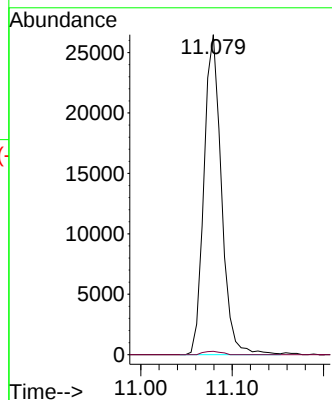
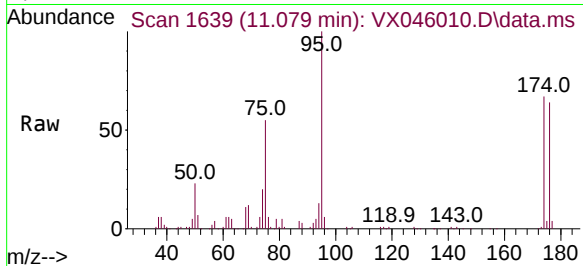




#76
1,2,3-Trichloropropane
Concen: 27.704 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

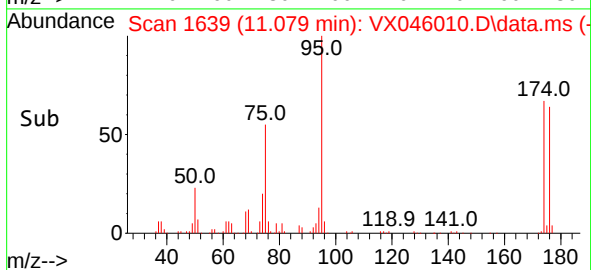
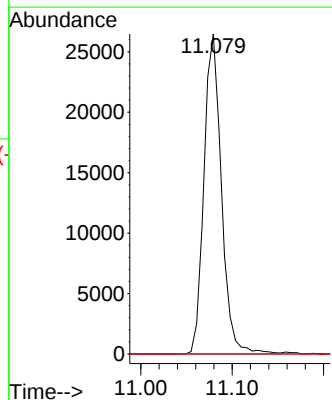
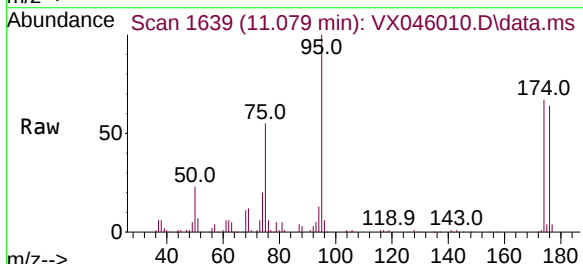
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB02

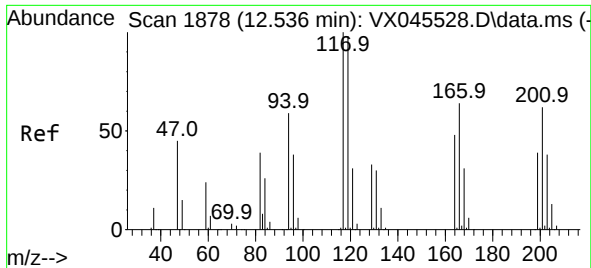
Tgt Ion: 75 Resp: 35097
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046010.D
Acq: 30 Apr 2025 19:57

Tgt Ion: 75 Resp: 35097
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#90

Hexachloroethane

Concen: 0.423 ug/l

RT: 12.603 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX046010.D

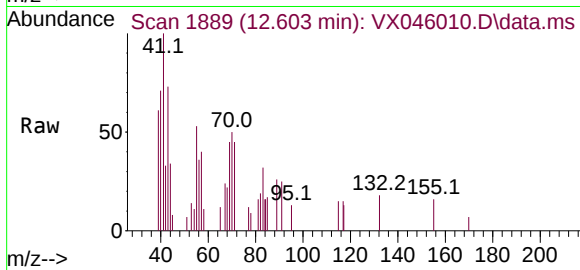
Acq: 30 Apr 2025 19:57

Instrument :

MSVOA_X

ClientSampleId :

B-170-SB02



Tgt Ion:117 Resp: 251

Ion Ratio Lower Upper

117 100

201 0.0 31.2 93.6#

