

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045169.D
 Acq On : 06 Mar 2025 15:29
 Operator : JC/MD
 Sample : Q1481-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-K1311

Quant Time: Mar 07 00:45:04 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)

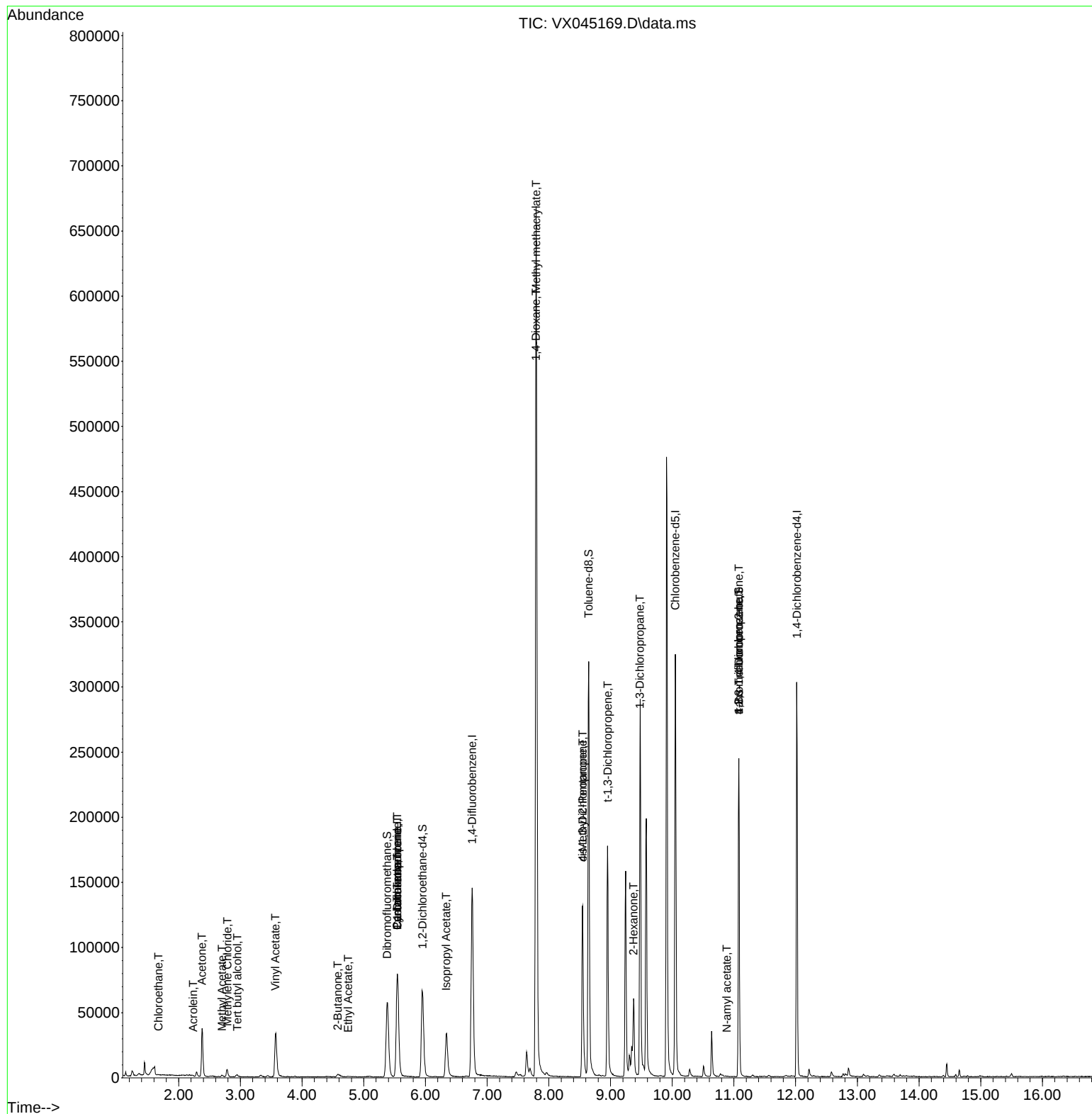
Internal Standards						
1) Pentafluorobenzene	5.544	168	72948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63244	54.504	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.000%			
35) Dibromofluoromethane	5.379	113	51625	52.262	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.520%			
50) Toluene-d8	8.647	98	184918	51.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.280%			
62) 4-Bromofluorobenzene	11.079	95	62816	52.934	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.860%			
Target Compounds					Qvalue	
6) Chloroethane	1.672	64	297	0.578	ug/l #	41
11) Tert butyl alcohol	2.953	59	1357	6.174	ug/l #	73
13) Acrolein	2.233	56	198	0.779	ug/l #	80
16) Acetone	2.380	43	39933	74.175	ug/l	97
18) Methyl Acetate	2.703	43	1698	1.311	ug/l	92
20) Methylene Chloride	2.788	84	2512	2.356	ug/l	96
23) Vinyl Acetate	3.568	43	596	0.220	ug/l #	73
25) 2-Butanone	4.580	43	3654	4.509	ug/l	99
31) Cyclohexane	5.544	56	2121	1.344	ug/l #	56
36) 1,1-Dichloropropene	5.544	75	6657	4.914	ug/l #	50
37) Ethyl Acetate	4.745	43	697	0.399	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7984	5.805	ug/l #	16
43) Isopropyl Acetate	6.336	43	47894	18.555	ug/l	98
48) Methyl methacrylate	7.793	41	61943	47.833	ug/l #	45
49) 1,4-Dioxane	7.787	88	70	2.563	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	53370	30.793	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	378	0.297	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	20729	13.945	ug/l #	68
57) 1,3-Dichloropropane	9.476	76	2559	1.431	ug/l #	43
59) 2-Hexanone	9.372	43	46557	37.075	ug/l #	26
74) N-amyl acetate	10.884	43	470	0.226	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	34133	25.833	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34133	88.405	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
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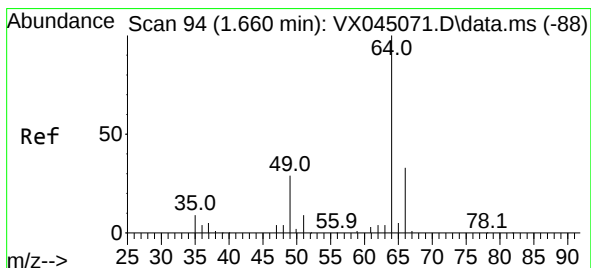
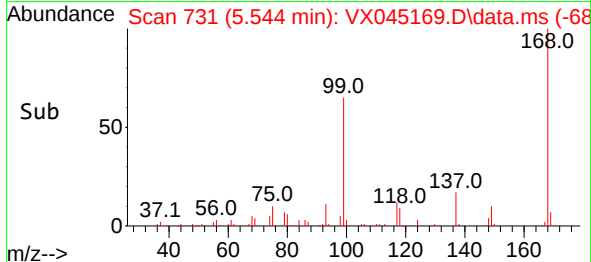
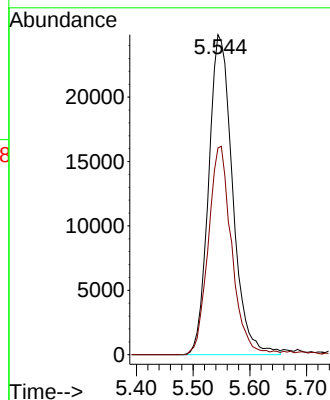
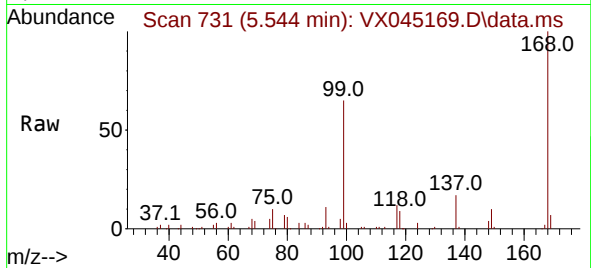




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

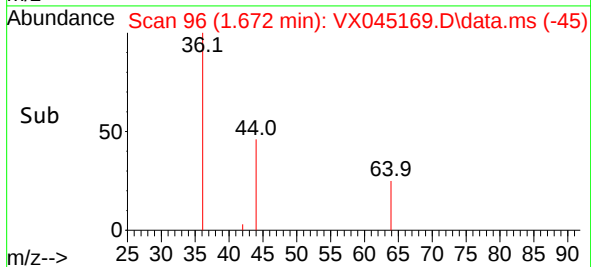
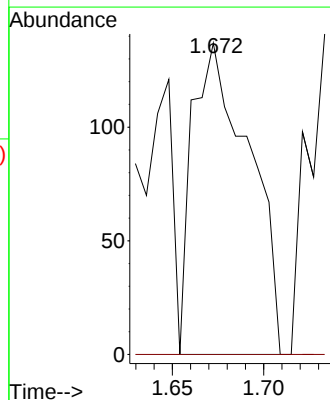
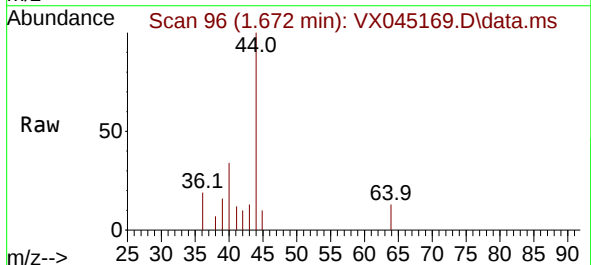
Instrument : MSVOA_X
ClientSampleId : WC-K1311

Tgt Ion:168 Resp: 72948
Ion Ratio Lower Upper
168 100
99 64.6 48.2 72.4



#6
Chloroethane
Concen: 0.578 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

Tgt Ion: 64 Resp: 297
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#11

Tert butyl alcohol

Concen: 6.174 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.031 min

Lab File: VX045169.D

Acq: 06 Mar 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

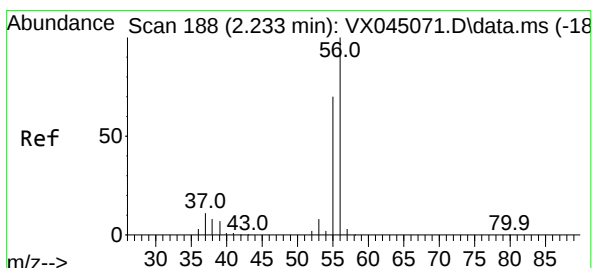
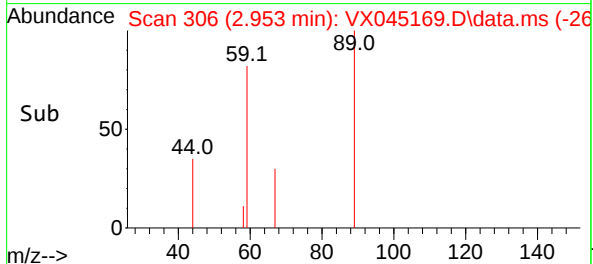
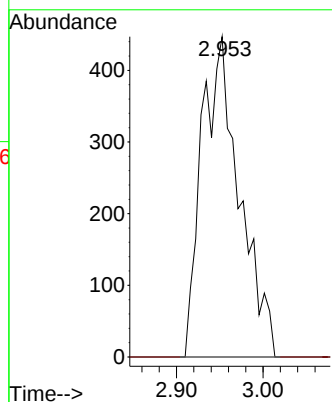
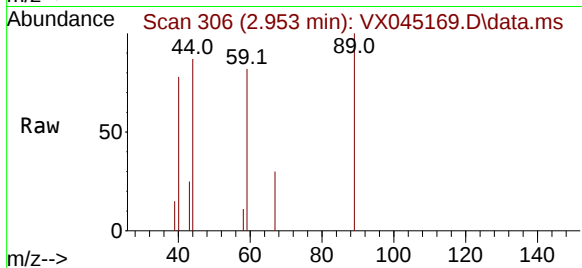
WC-K1311

Tgt Ion: 59 Resp: 1357

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.779 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX045169.D

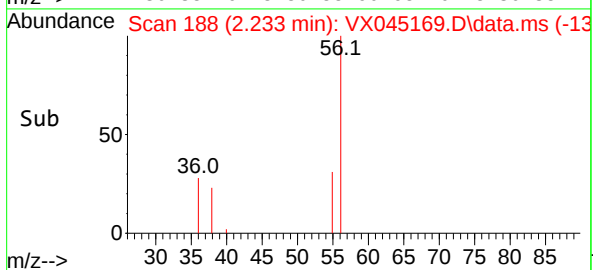
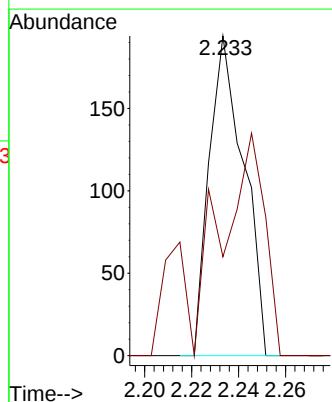
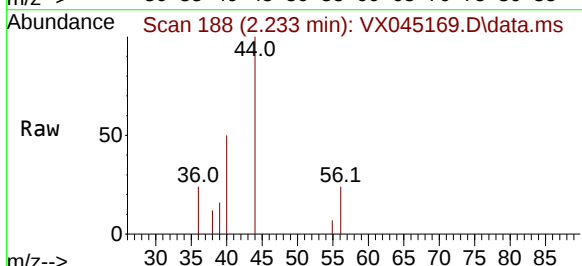
Acq: 06 Mar 2025 15:29

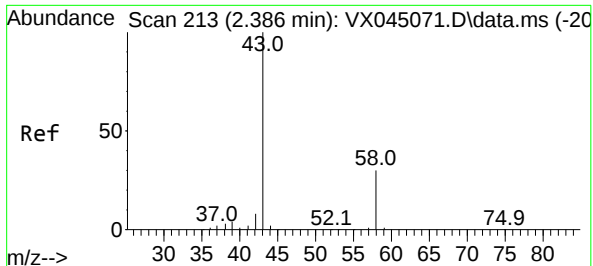
Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

55 86.9 56.2 84.4#

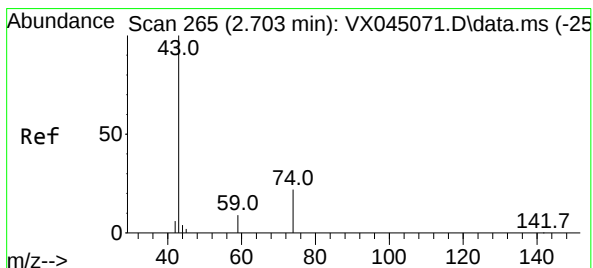
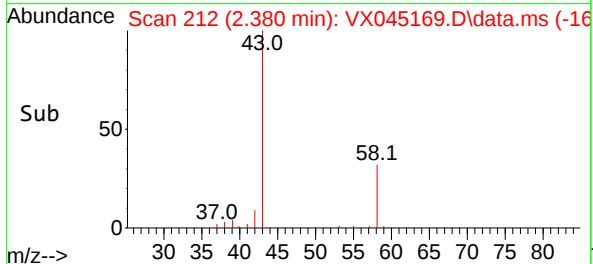
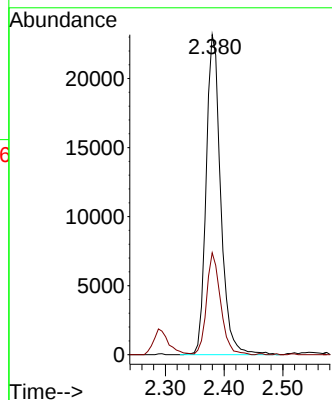
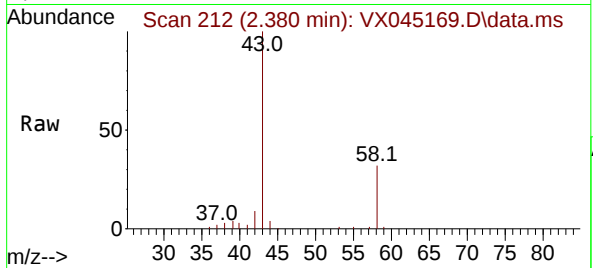




#16
Acetone
Concen: 74.175 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

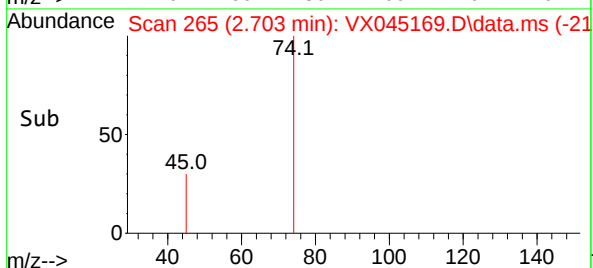
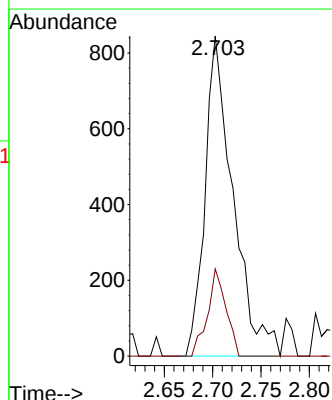
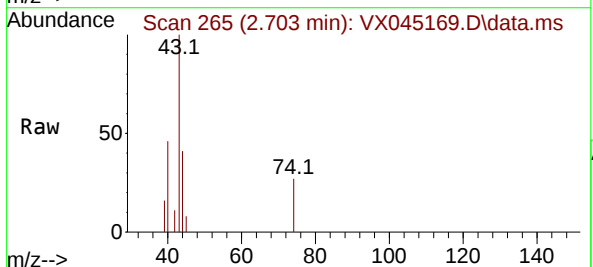
Instrument :
MSVOA_X
ClientSampleId :
WC-K1311

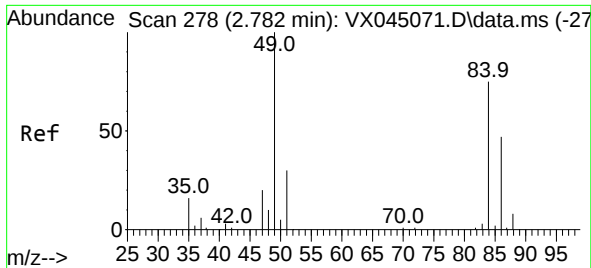
Tgt Ion: 43 Resp: 39933
Ion Ratio Lower Upper
43 100
58 31.9 24.2 36.4



#18
Methyl Acetate
Concen: 1.311 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
74 17.9 17.4 26.2

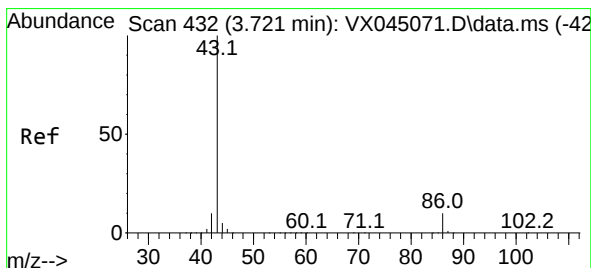
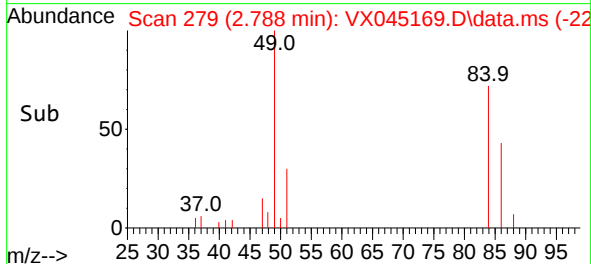
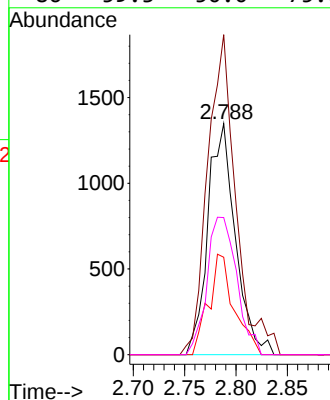
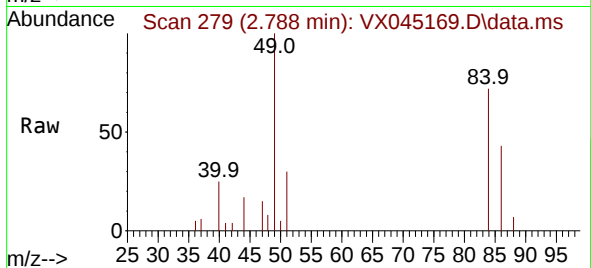




#20
Methylene Chloride
Concen: 2.356 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

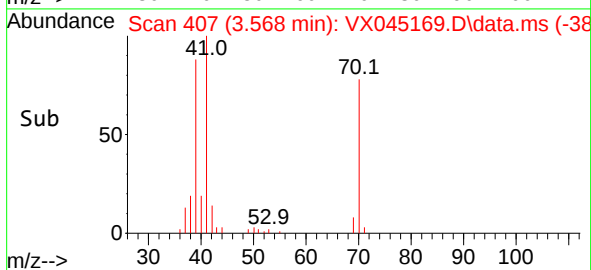
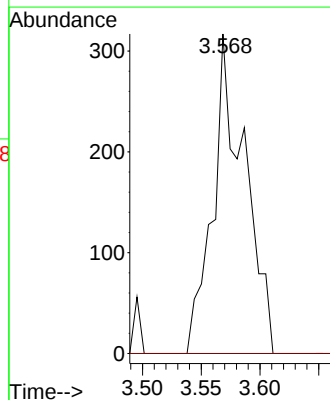
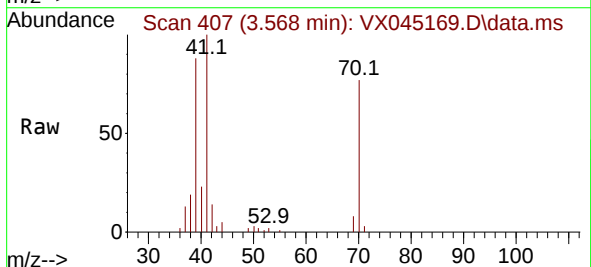
Instrument :
MSVOA_X
ClientSampleId :
WC-K1311

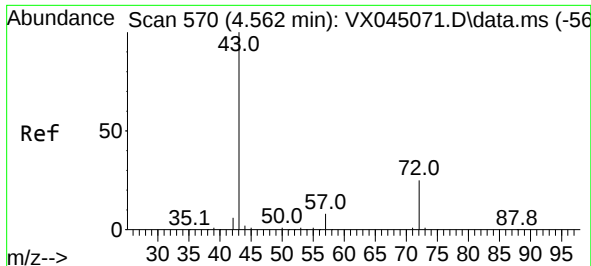
Tgt Ion:	84	Resp:	2512
Ion	Ratio	Lower	Upper
84	100		
49	138.5	106.5	159.7
51	42.2	32.1	48.1
86	59.3	50.0	75.0



#23
Vinyl Acetate
Concen: 0.220 ug/l
RT: 3.568 min Scan# 407
Delta R.T. -0.152 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

Tgt Ion:	43	Resp:	596
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.1	12.1#

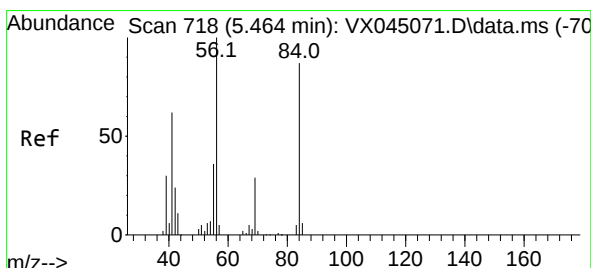
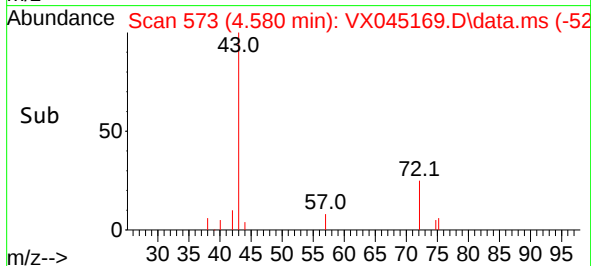
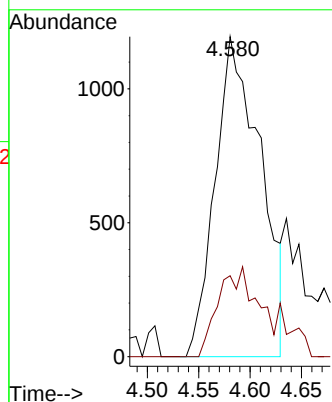
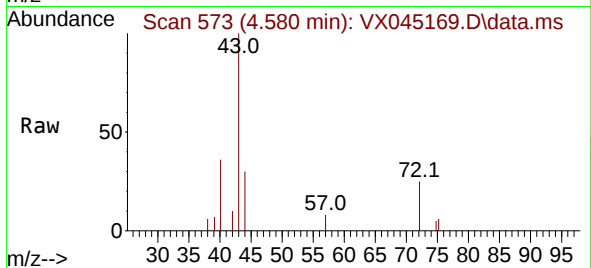




#25
2-Butanone
Concen: 4.509 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

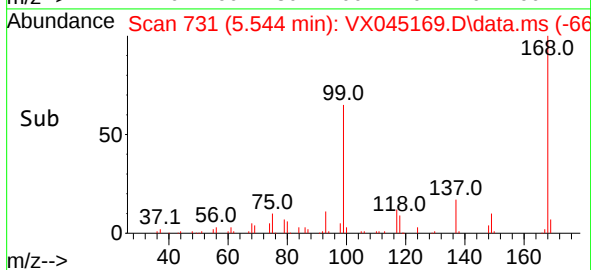
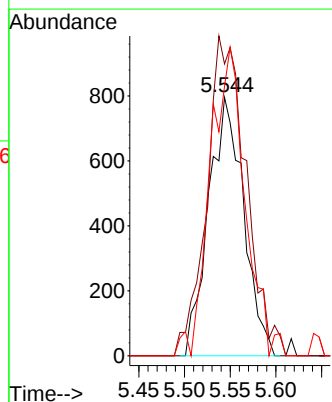
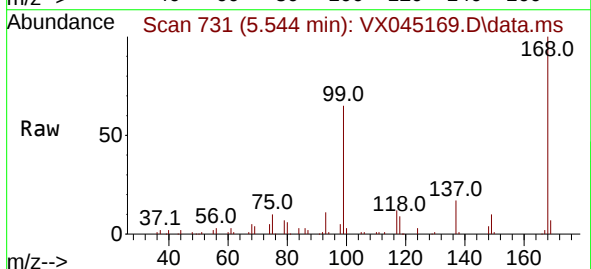
Instrument :
MSVOA_X
ClientSampleId :
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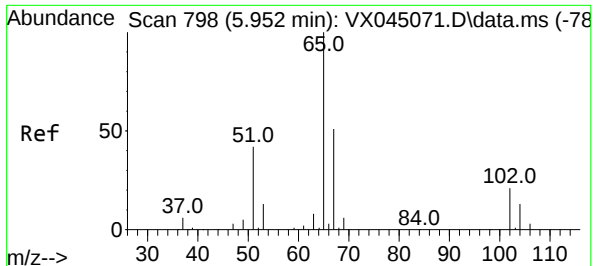
Tgt Ion: 43 Resp: 3654
Ion Ratio Lower Upper
43 100
72 25.3 20.0 30.0



#31
Cyclohexane
Concen: 1.344 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

Tgt Ion: 56 Resp: 2121
Ion Ratio Lower Upper
56 100
69 105.4 23.4 35.2#
84 97.4 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 54.504 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045169.D

Acq: 06 Mar 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

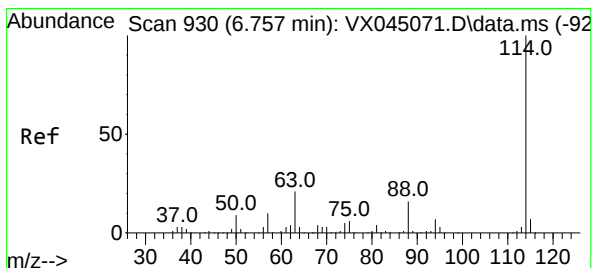
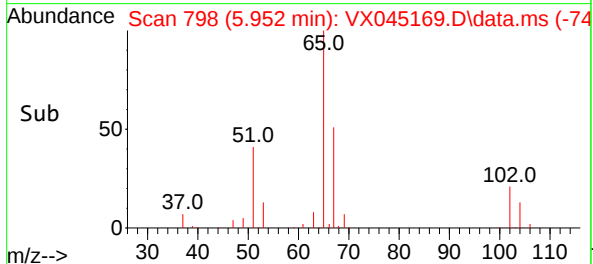
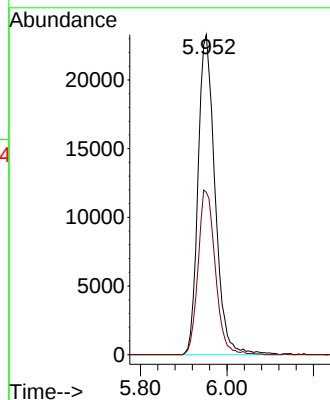
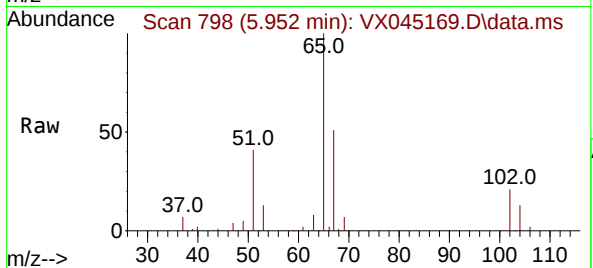
WC-K1311

Tgt Ion: 65 Resp: 63244

Ion Ratio Lower Upper

65 100

67 52.3 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: VX045169.D

Acq: 06 Mar 2025 15:29

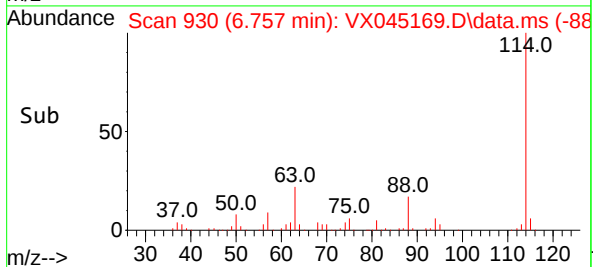
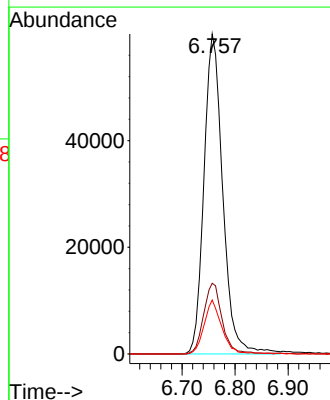
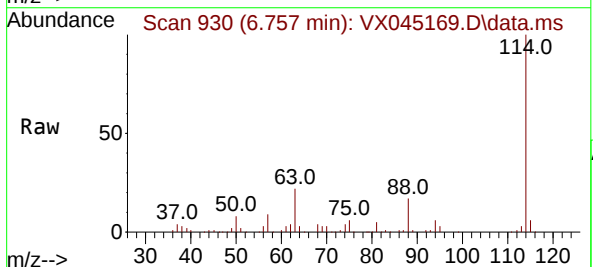
Tgt Ion: 114 Resp: 147727

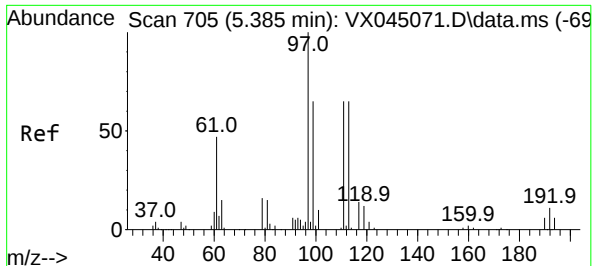
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 16.9 0.0 32.8

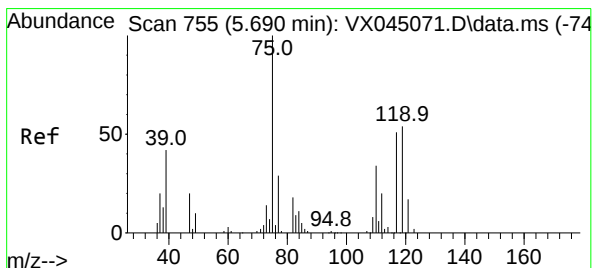
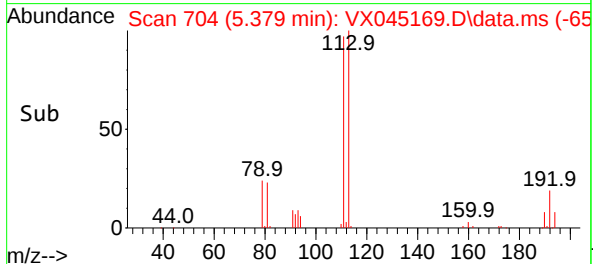
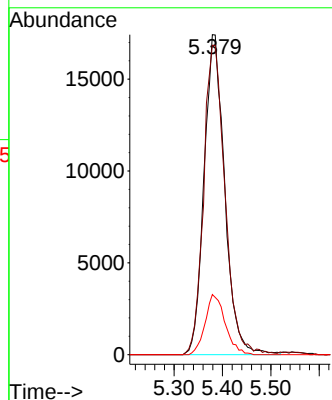
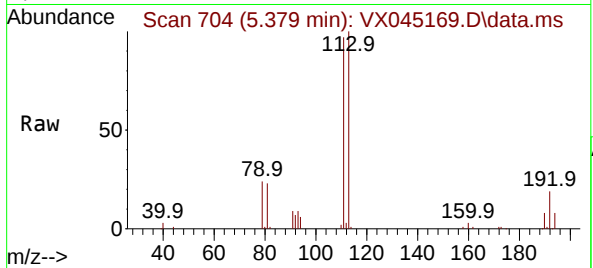




#35
Dibromofluoromethane
Concen: 52.262 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

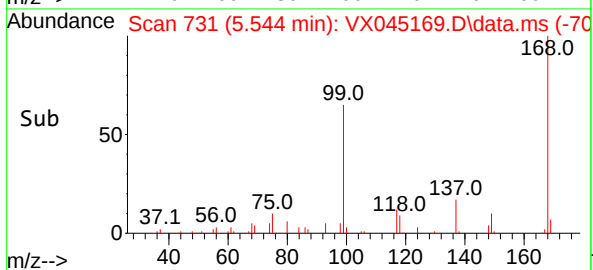
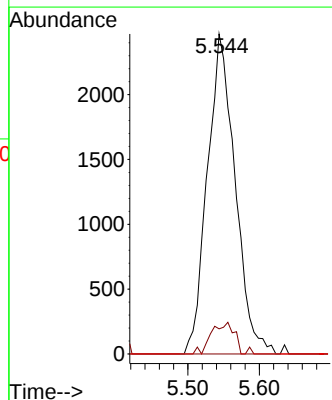
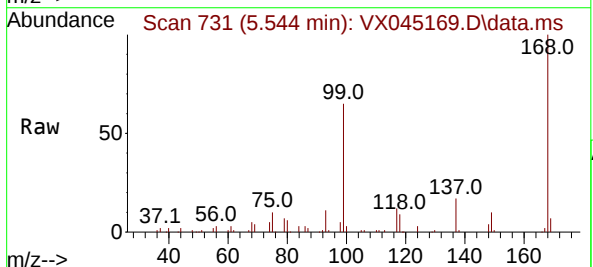
Instrument :
MSVOA_X
ClientSampleId :
WC-K1311

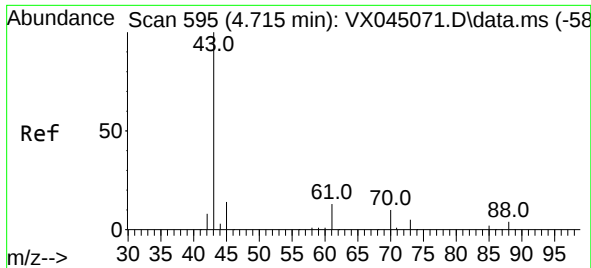
Tgt Ion:113 Resp: 51625
Ion Ratio Lower Upper
113 100
111 100.2 81.8 122.6
192 18.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.914 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

Tgt Ion: 75 Resp: 6657
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 24.5 36.7#

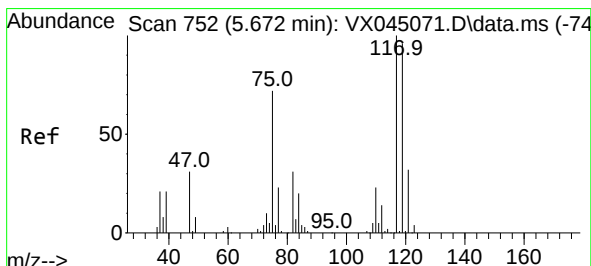
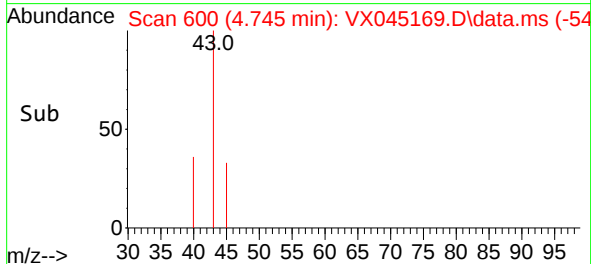
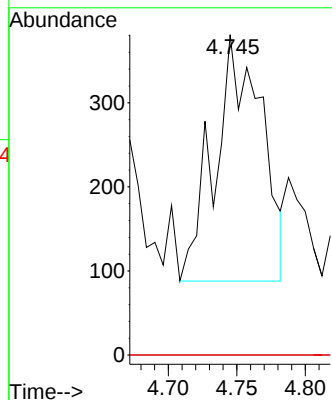
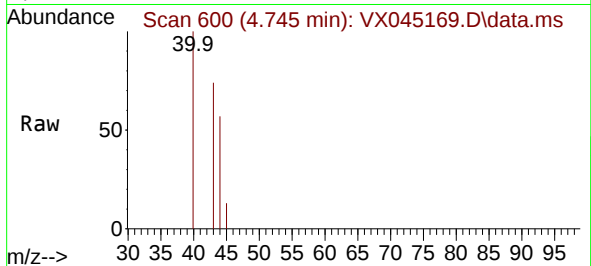




#37
Ethyl Acetate
Concen: 0.399 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.030 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

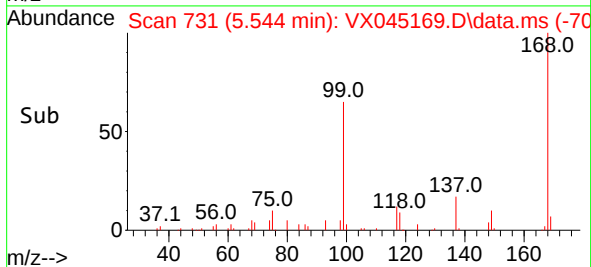
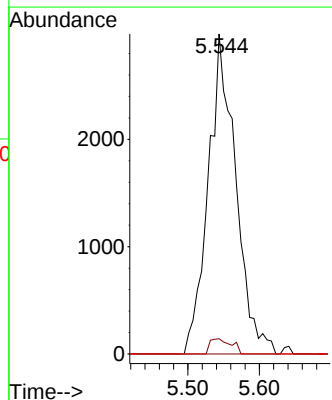
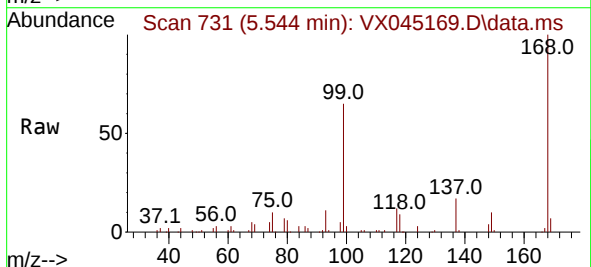
Instrument :
MSVOA_X
ClientSampleId :
WC-K1311

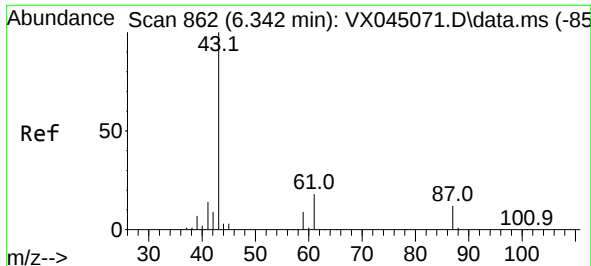
Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.805 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

Tgt Ion: 117 Resp: 7984
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 25.5 38.3#

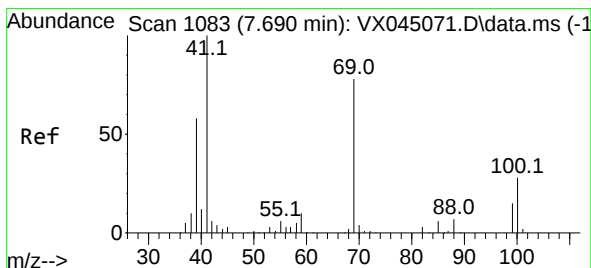
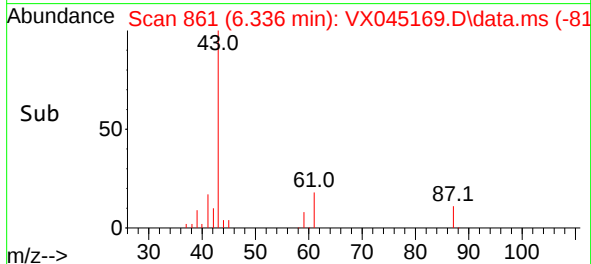
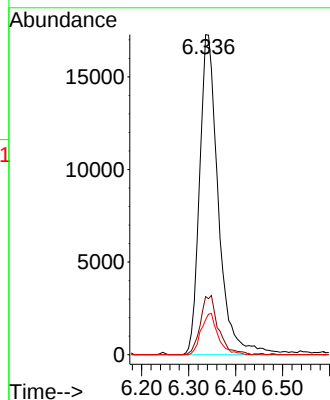
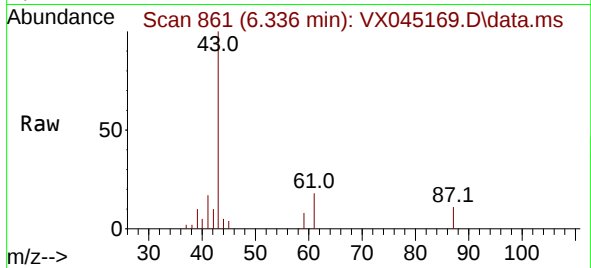




#43
Isopropyl Acetate
Concen: 18.555 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

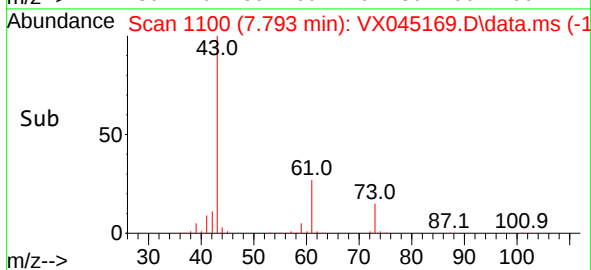
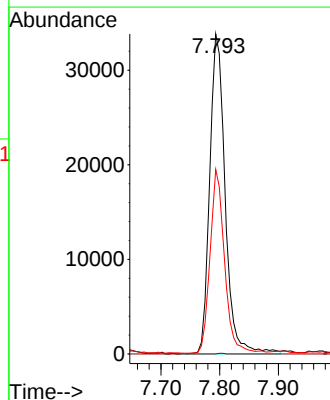
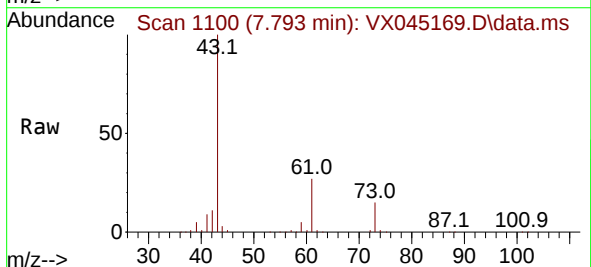
Instrument :
MSVOA_X
ClientSampleId :
WC-K1311

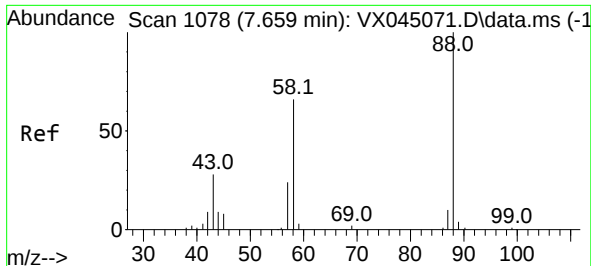
Tgt Ion: 43 Resp: 47894
Ion Ratio Lower Upper
43 100
61 17.6 14.9 22.3
87 11.6 9.4 14.2



#48
Methyl methacrylate
Concen: 47.833 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

Tgt Ion: 41 Resp: 61943
Ion Ratio Lower Upper
41 100
69 0.1 63.0 94.6#
39 53.7 47.5 71.3





#49

1,4-Dioxane

Concen: 2.563 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.128 min

Lab File: VX045169.D

Acq: 06 Mar 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

WC-K1311

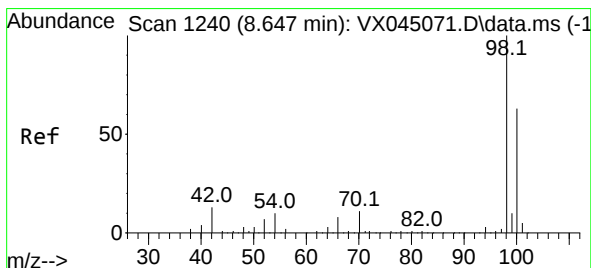
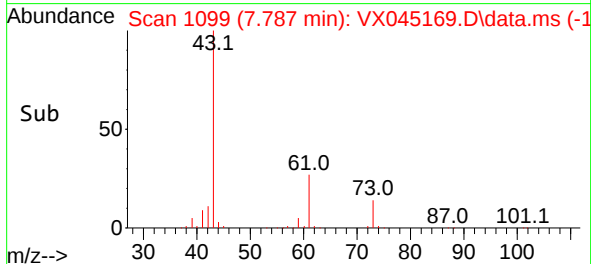
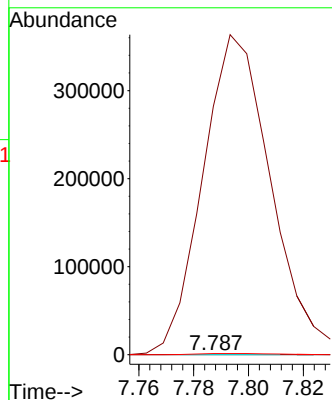
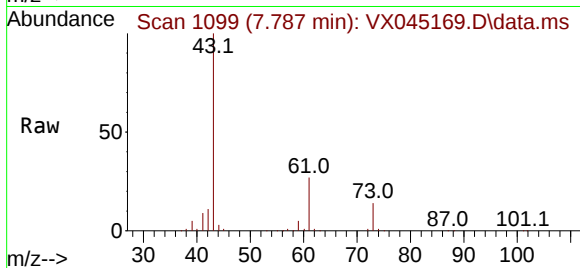
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 926337.1 28.7 43.1#

58 3778.6 55.8 83.8#



#50

Toluene-d8

Concen: 51.636 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045169.D

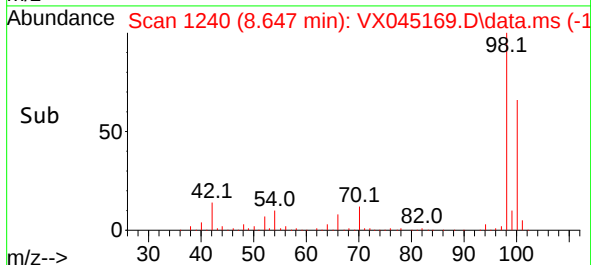
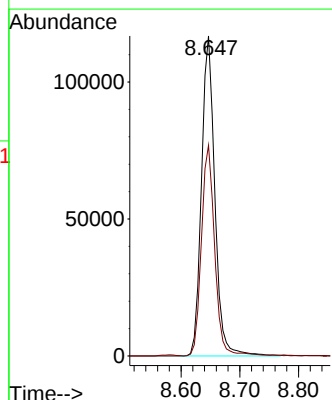
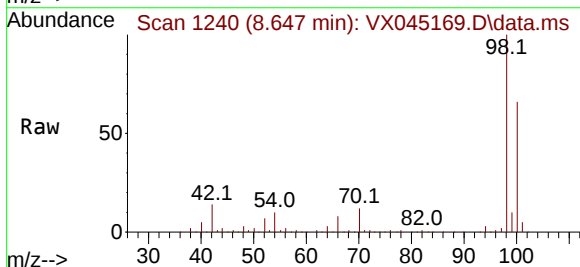
Acq: 06 Mar 2025 15:29

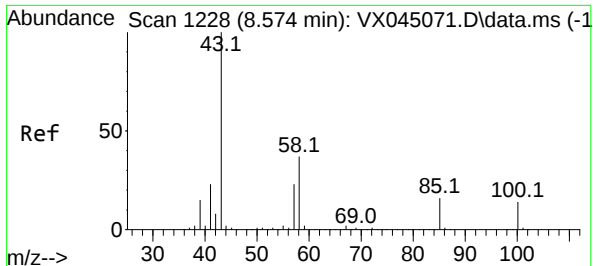
Tgt Ion: 98 Resp: 184918

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 30.793 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045169.D

Acq: 06 Mar 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

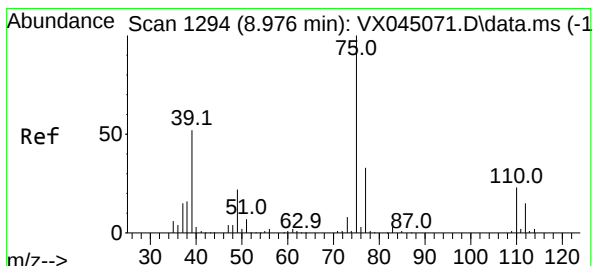
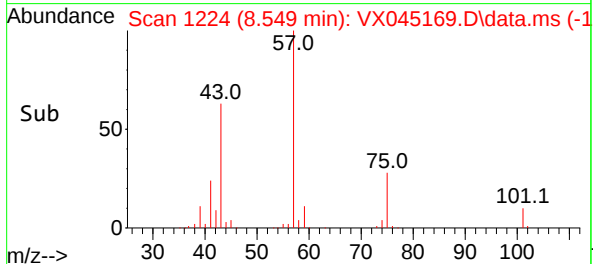
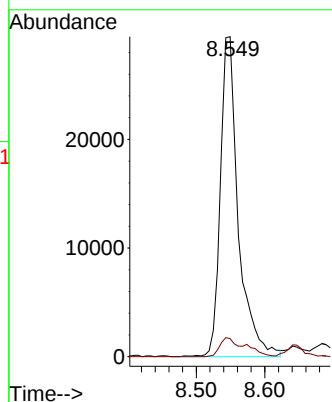
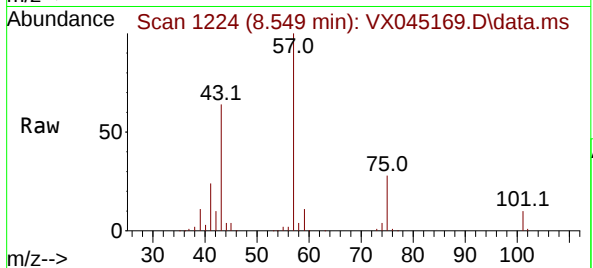
WC-K1311

Tgt Ion: 43 Resp: 53370

Ion Ratio Lower Upper

43 100

58 8.5 29.2 43.8#



#53

t-1,3-Dichloropropene

Concen: 0.297 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX045169.D

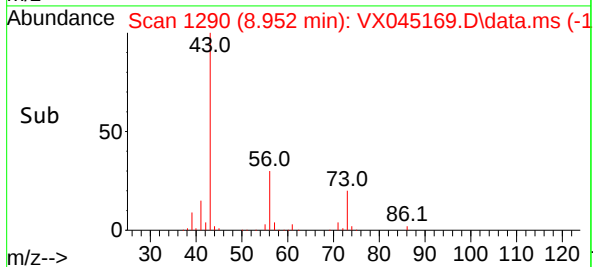
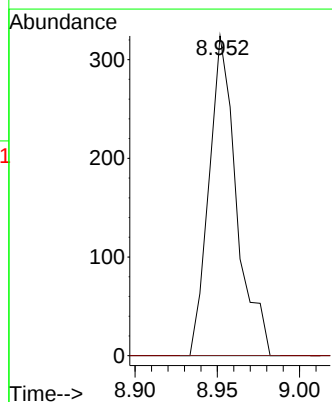
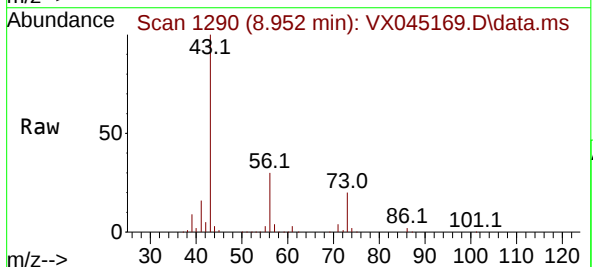
Acq: 06 Mar 2025 15:29

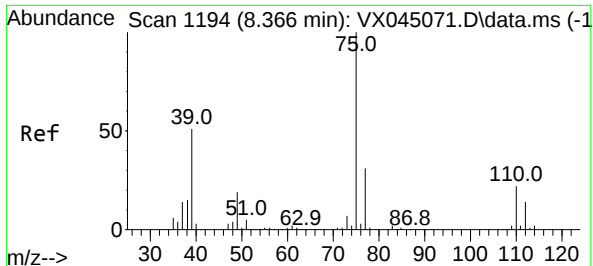
Tgt Ion: 75 Resp: 378

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#

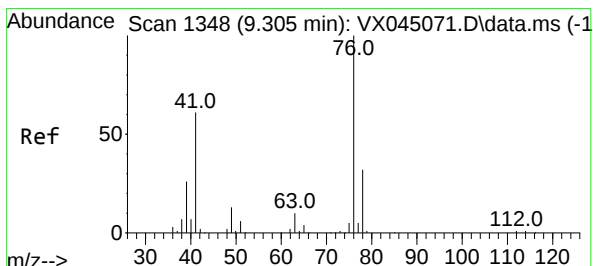
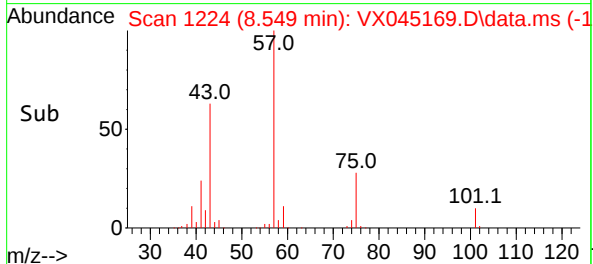
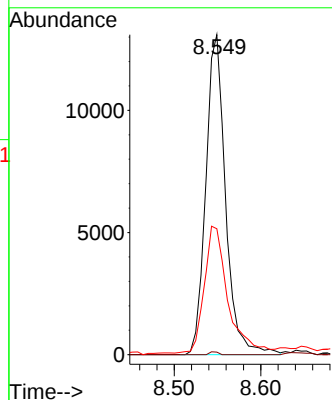
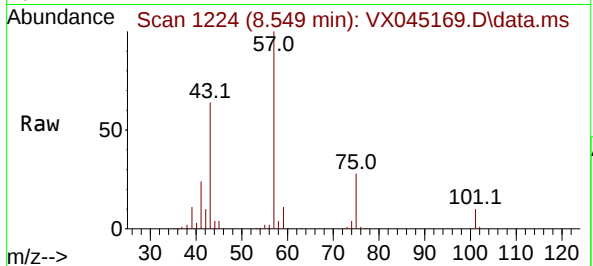




#54
 cis-1,3-Dichloropropene
 Concen: 13.945 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045169.D
 Acq: 06 Mar 2025 15:29

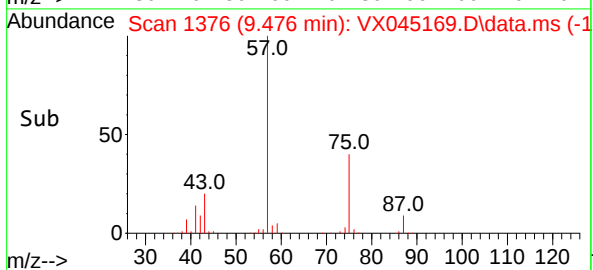
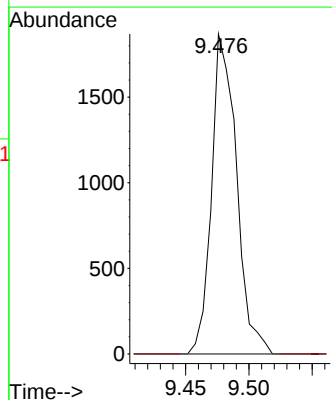
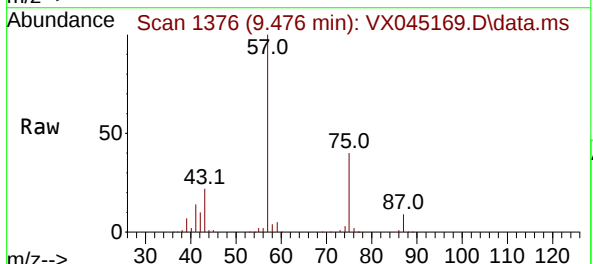
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-K1311

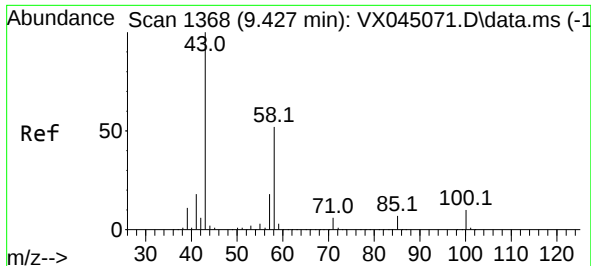
Tgt Ion: 75 Resp: 20729
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.7 37.1#
 39 38.7 40.7 61.1#



#57
 1,3-Dichloropropane
 Concen: 1.431 ug/l
 RT: 9.476 min Scan# 1376
 Delta R.T. 0.171 min
 Lab File: VX045169.D
 Acq: 06 Mar 2025 15:29

Tgt Ion: 76 Resp: 2559
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

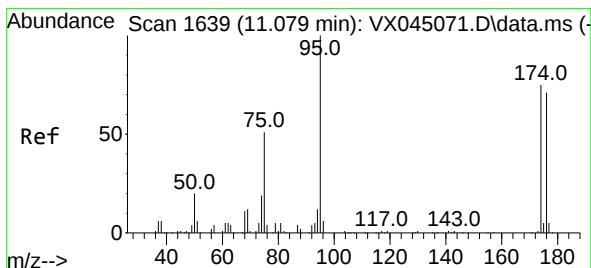
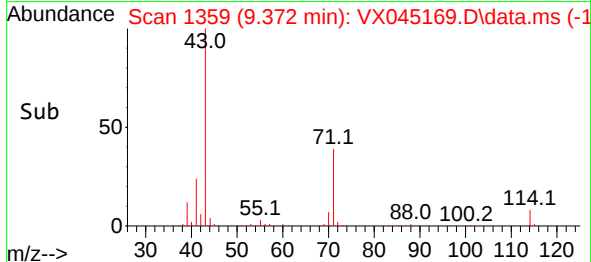
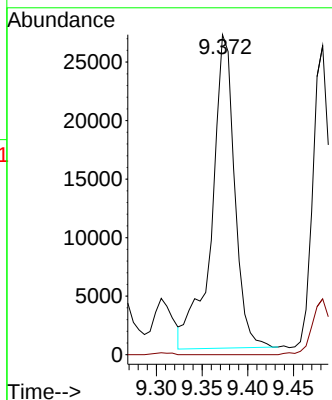
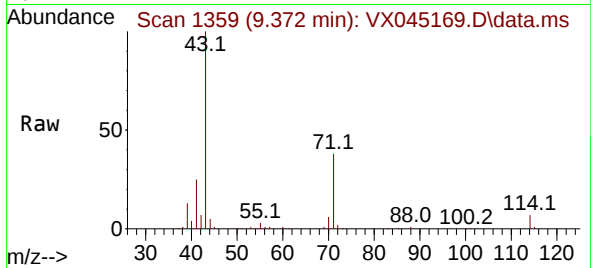




#59
2-Hexanone
Concen: 37.075 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

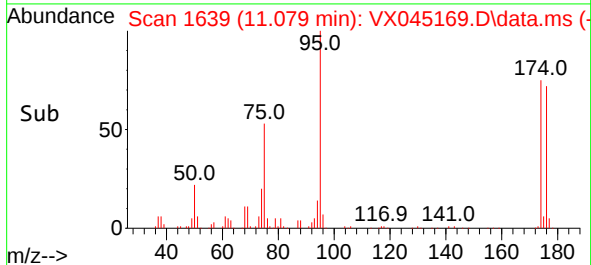
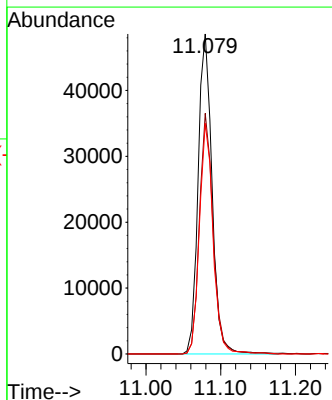
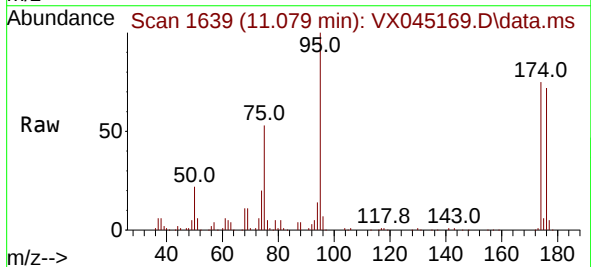
Instrument :
MSVOA_X
ClientSampleId :
WC-K1311

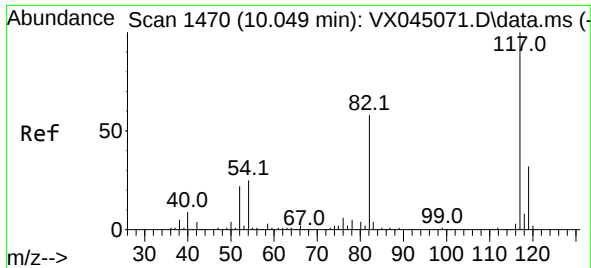
Tgt Ion: 43 Resp: 46557
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 52.934 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

Tgt Ion: 95 Resp: 62816
Ion Ratio Lower Upper
95 100
174 74.3 0.0 148.2
176 70.8 0.0 141.4

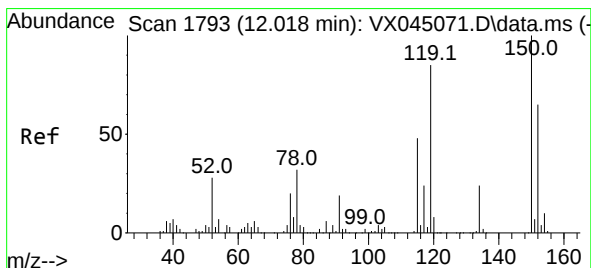
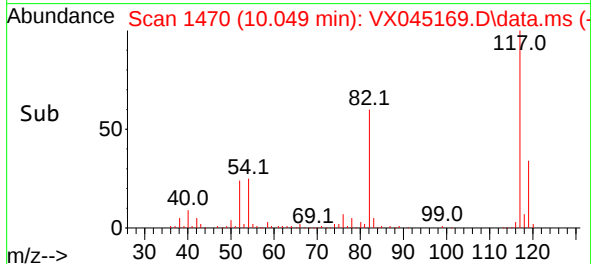
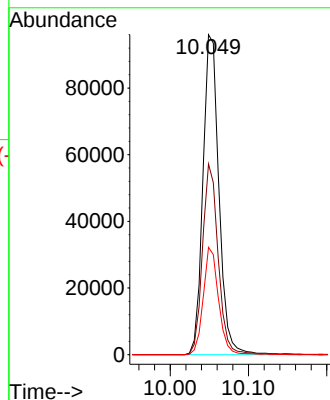
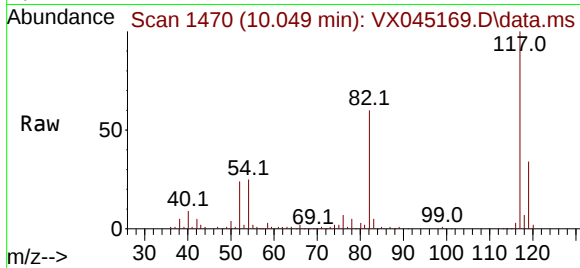




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

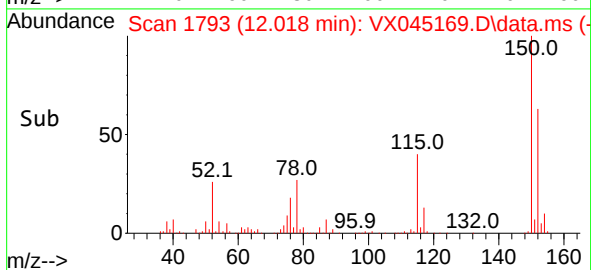
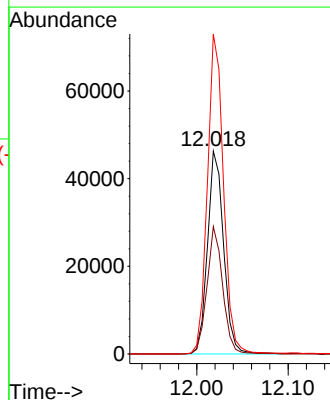
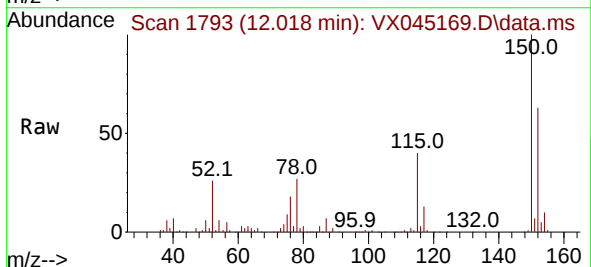
Instrument :
MSVOA_X
ClientSampleId :
WC-K1311

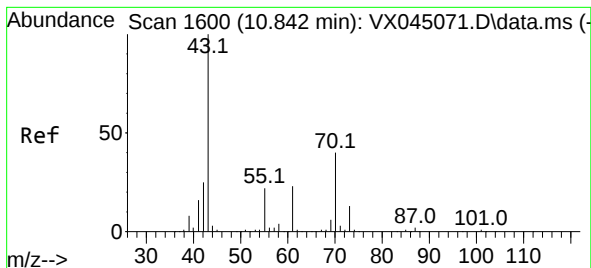
Tgt Ion:117 Resp: 136246
Ion Ratio Lower Upper
117 100
82 59.6 46.3 69.5
119 33.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045169.D
Acq: 06 Mar 2025 15:29

Tgt Ion:152 Resp: 56769
Ion Ratio Lower Upper
152 100
115 61.2 44.2 132.6
150 157.2 0.0 349.0





#74

N-amy1 acetate

Concen: 0.226 ug/l

RT: 10.884 min Scan# 1607

Delta R.T. 0.043 min

Lab File: VX045169.D

Acq: 06 Mar 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

WC-K1311

Tgt Ion: 43 Resp: 470

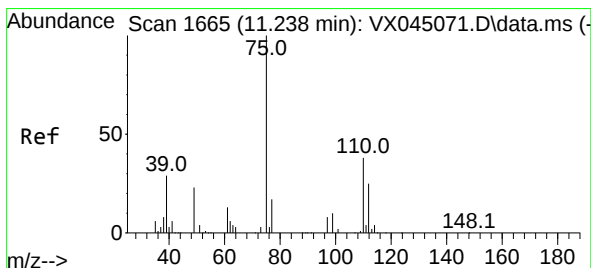
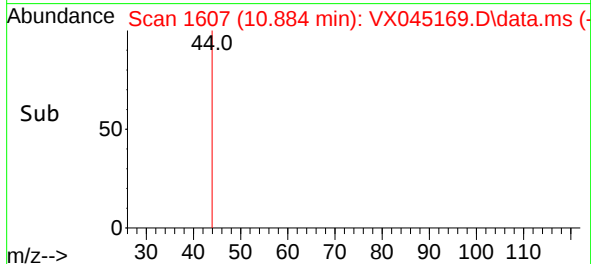
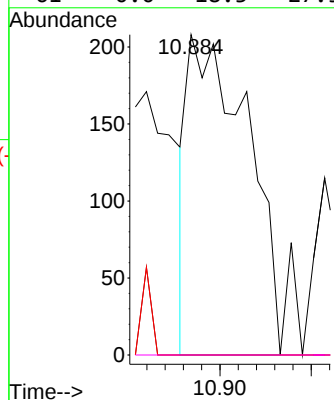
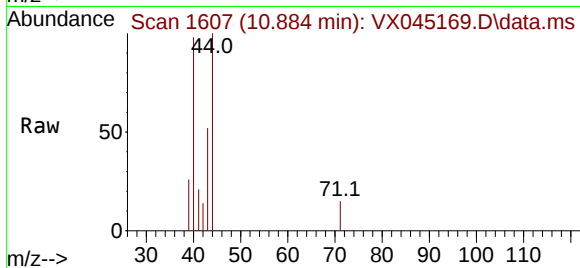
Ion Ratio Lower Upper

43 100

70 0.0 31.8 47.6#

55 0.0 18.3 27.5#

61 0.0 18.3 27.5#



#76

1,2,3-Trichloropropane

Concen: 25.833 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045169.D

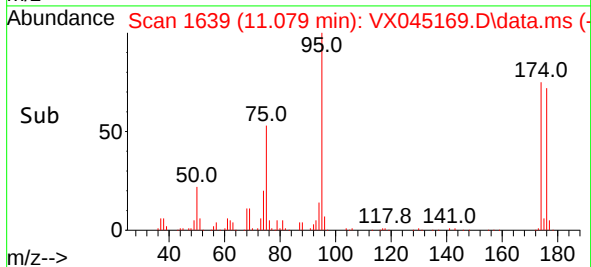
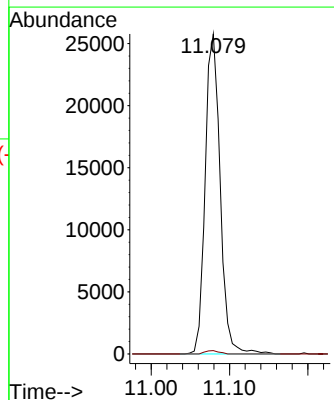
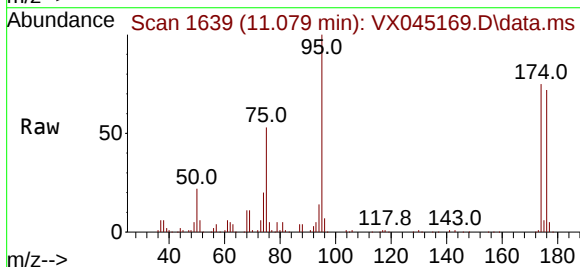
Acq: 06 Mar 2025 15:29

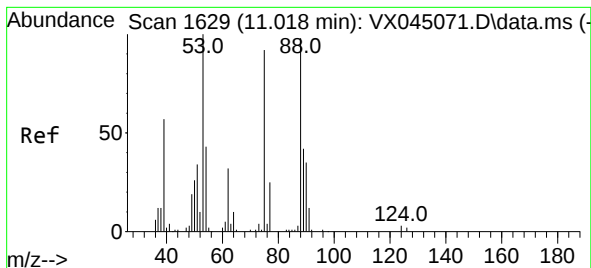
Tgt Ion: 75 Resp: 34133

Ion Ratio Lower Upper

75 100

77 1.0 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.405 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045169.D
 Acq: 06 Mar 2025 15:29

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-K1311

Tgt Ion: 75 Resp: 34133
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

