

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX046001.D
 Acq On : 30 Apr 2025 16:27
 Operator : JC/MD
 Sample : Q1906-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

Quant Time: May 01 03:38:20 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)

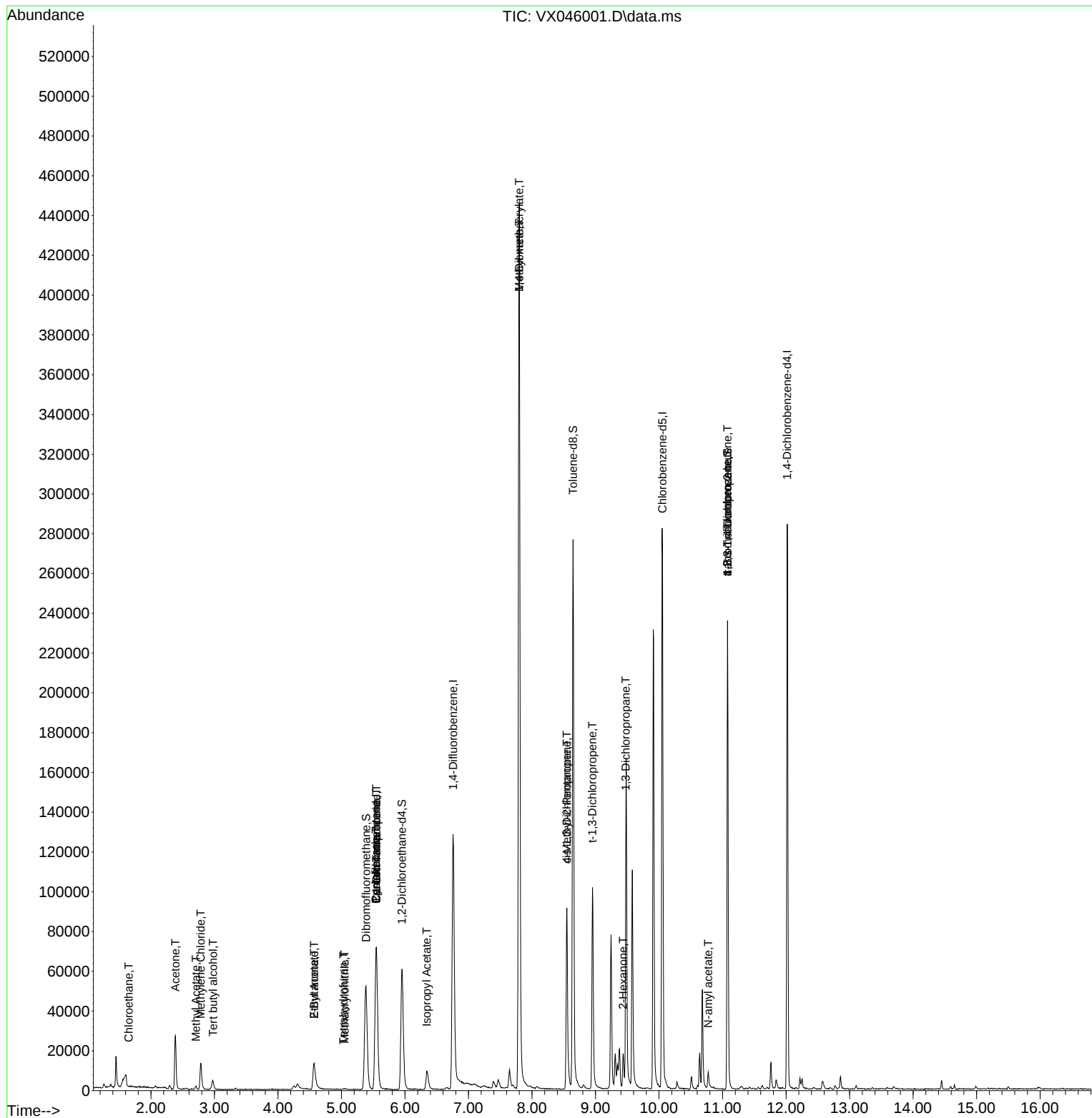
Internal Standards						
1) Pentafluorobenzene	5.544	168	61079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120942	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62247	55.728	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.460%			
35) Dibromofluoromethane	5.385	113	45253	52.737	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.480%			
50) Toluene-d8	8.647	98	157197	52.486	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.980%			
62) 4-Bromofluorobenzene	11.079	95	61140	56.043	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.080%			
Target Compounds					Qvalue	
6) Chloroethane	1.648	64	119	0.261	ug/l #	42
11) Tert butyl alcohol	2.977	59	4961	33.049	ug/l	100
16) Acetone	2.386	43	30185	65.811	ug/l	100
18) Methyl Acetate	2.709	43	2118	2.006	ug/l	96
20) Methylene Chloride	2.782	84	5971	6.954	ug/l	97
25) 2-Butanone	4.568	43	25644	38.196	ug/l	100
29) Tetrahydrofuran	5.032	42	165	0.379	ug/l #	35
31) Cyclohexane	5.544	56	1734	1.266	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6107	5.271	ug/l #	50
37) Ethyl Acetate	4.568	43	25644	17.564	ug/l #	71
38) Carbon Tetrachloride	5.550	117	7595	6.066	ug/l #	16
41) Methacrylonitrile	5.050	41	288	0.374	ug/l #	35
43) Isopropyl Acetate	6.342	43	13969	6.312	ug/l	99
48) Methyl methacrylate	7.799	41	45255	39.608	ug/l #	50
49) 1,4-Dioxane	7.799	88	19	0.919	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	36744	25.047	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	155	2.403	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13715	10.783	ug/l #	65
57) 1,3-Dichloropropane	9.476	76	1329	0.895	ug/l #	42
59) 2-Hexanone	9.433	43	10693	9.843	ug/l	94
74) N-amyl acetate	10.774	43	5263	2.651	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	35224	27.866	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35224	94.575	ug/l #	1

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

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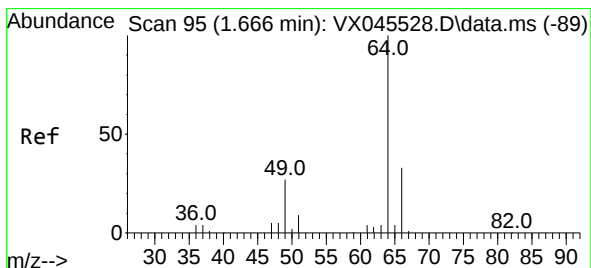
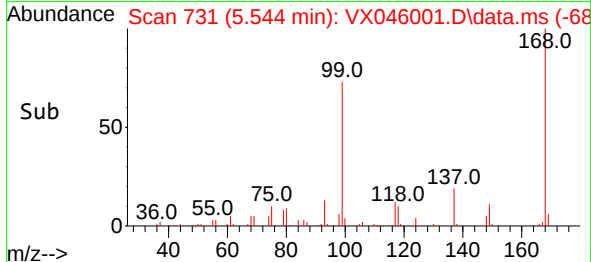
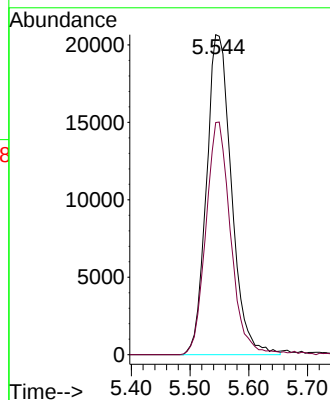
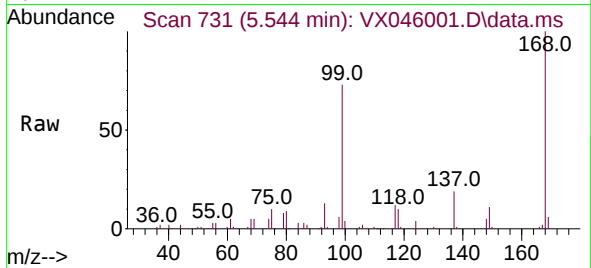




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

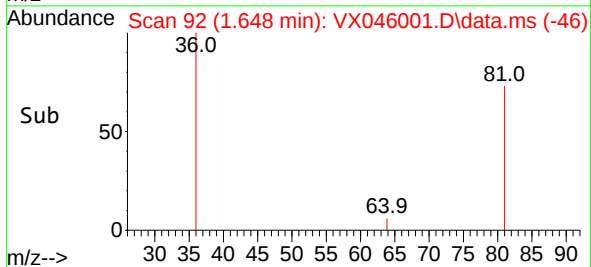
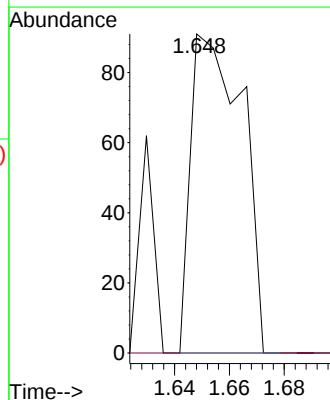
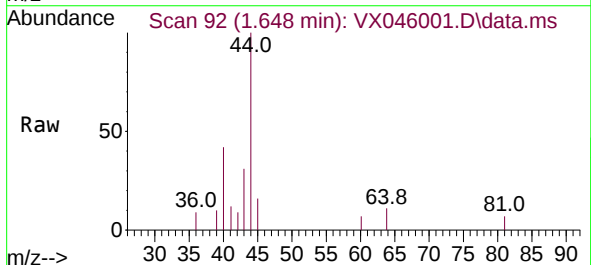
Instrument :
MSVOA_X
ClientSampleId :
WC-6

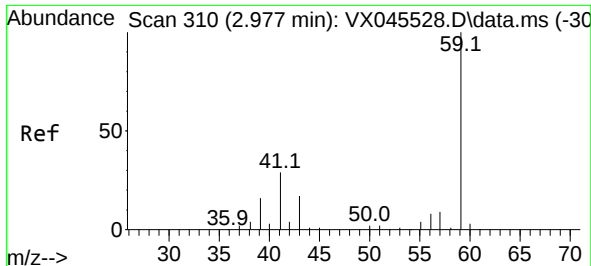
Tgt Ion:168 Resp: 61079
Ion Ratio Lower Upper
168 100
99 72.6 52.3 78.5



#6
Chloroethane
Concen: 0.261 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

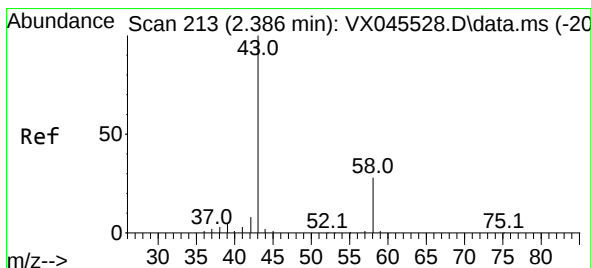
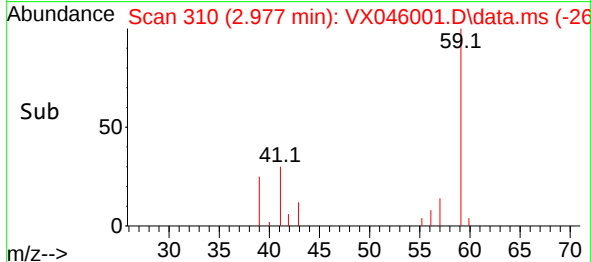
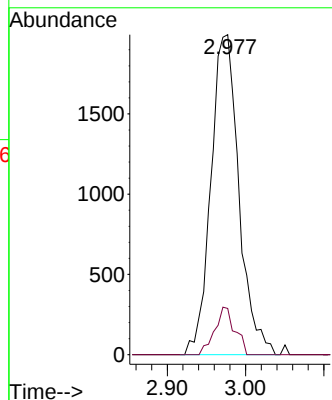
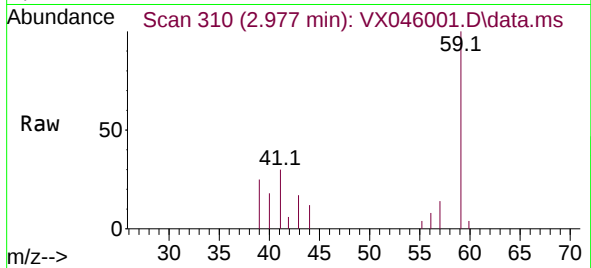




#11
Tert butyl alcohol
Concen: 33.049 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

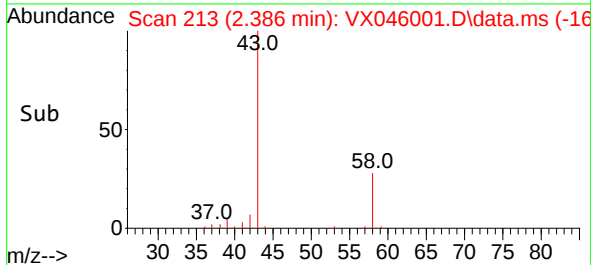
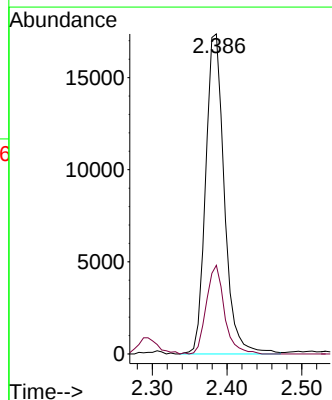
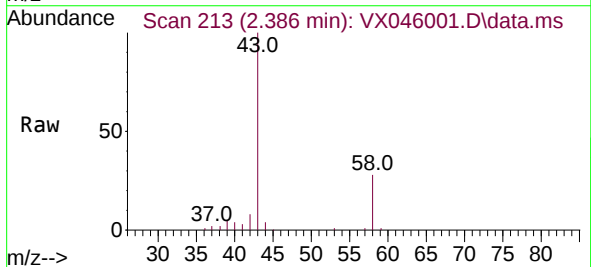
Instrument :
MSVOA_X
ClientSampleId :
WC-6

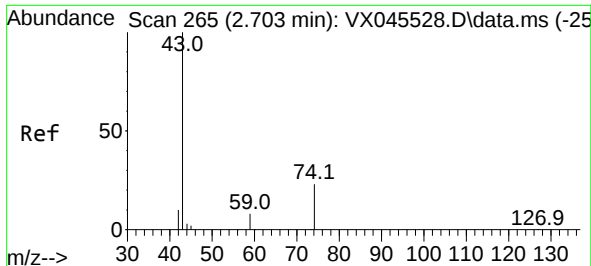
Tgt Ion: 59 Resp: 4961
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8



#16
Acetone
Concen: 65.811 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion: 43 Resp: 30185
Ion Ratio Lower Upper
43 100
58 27.7 22.3 33.5

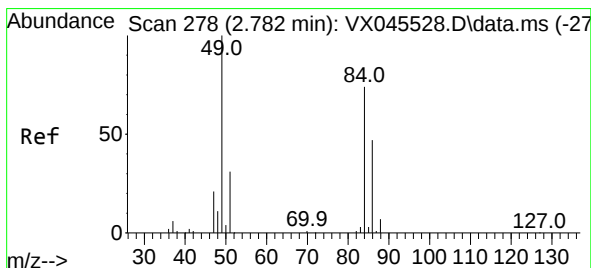
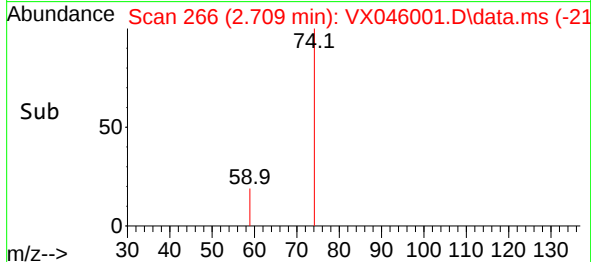
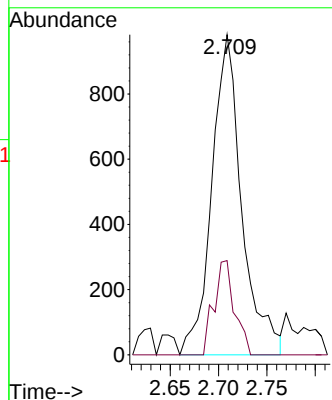
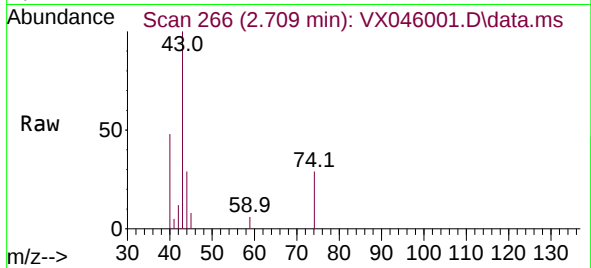




#18
Methyl Acetate
Concen: 2.006 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

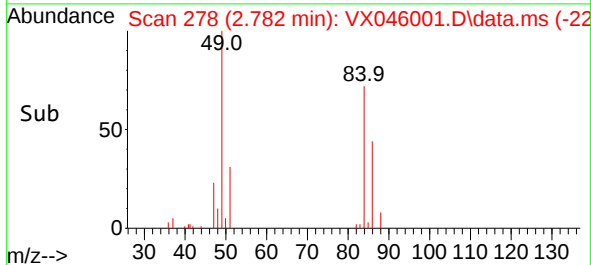
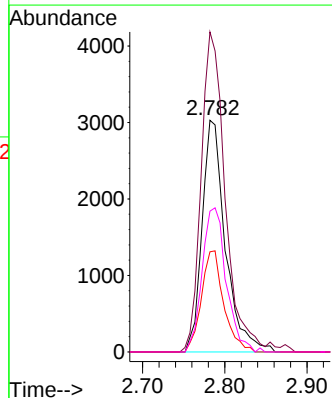
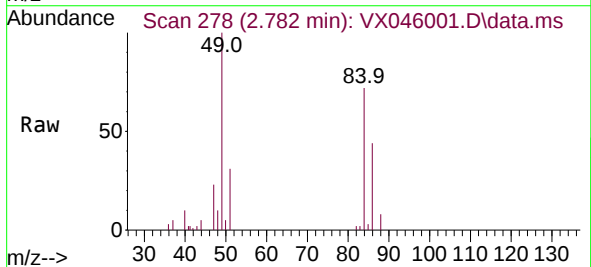
Instrument :
MSVOA_X
ClientSampleId :
WC-6

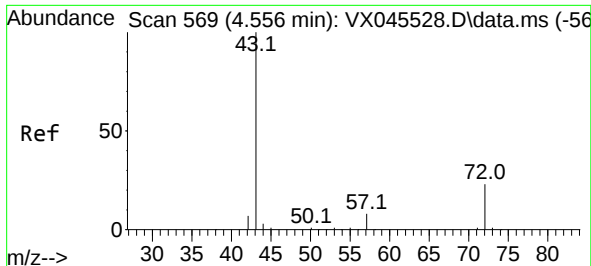
Tgt Ion: 43 Resp: 2118
Ion Ratio Lower Upper
43 100
74 20.1 17.5 26.3



#20
Methylene Chloride
Concen: 6.954 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion: 84 Resp: 5971
Ion Ratio Lower Upper
84 100
49 138.1 107.5 161.3
51 43.2 33.0 49.6
86 60.7 50.1 75.1





#25

2-Butanone

Concen: 38.196 ug/l

RT: 4.568 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX046001.D

Acq: 30 Apr 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

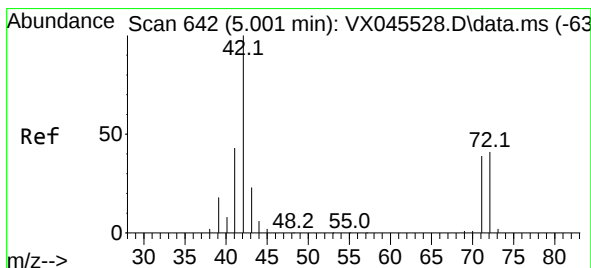
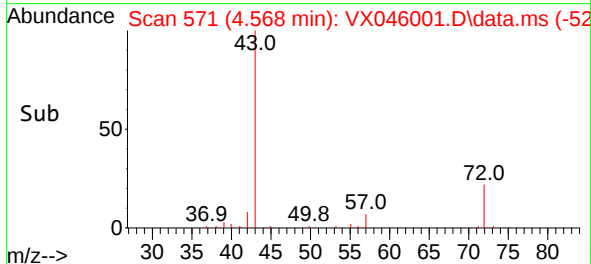
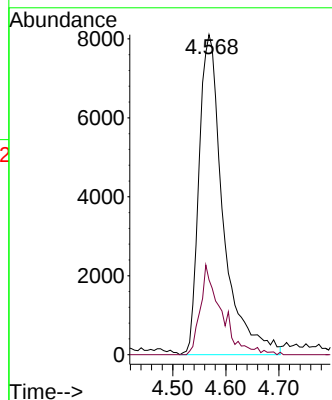
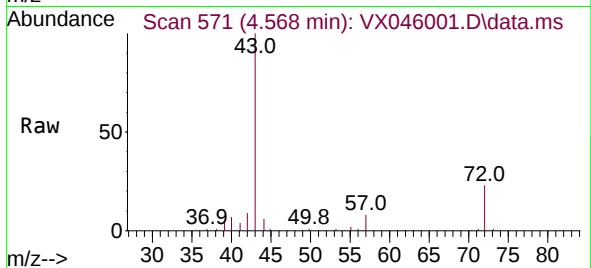
WC-6

Tgt Ion: 43 Resp: 25644

Ion Ratio Lower Upper

43 100

72 23.4 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.379 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.030 min

Lab File: VX046001.D

Acq: 30 Apr 2025 16:27

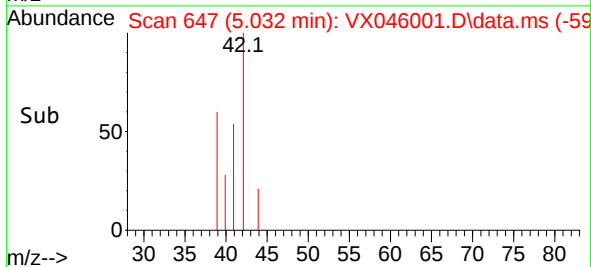
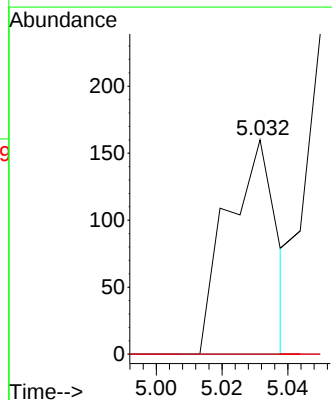
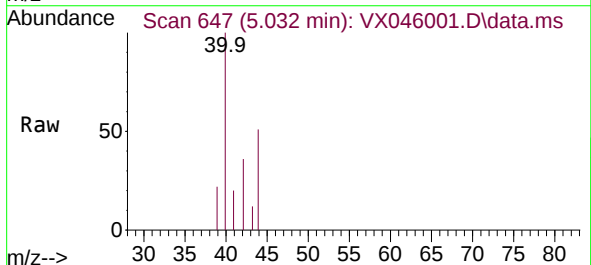
Tgt Ion: 42 Resp: 165

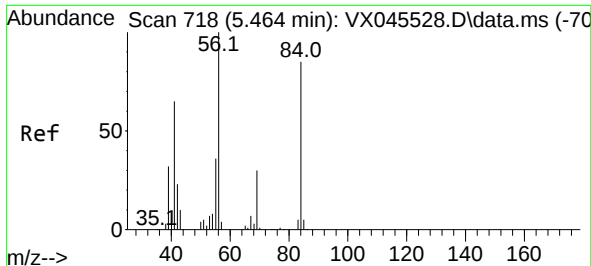
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

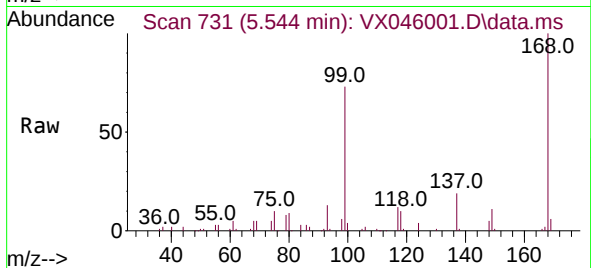
71 0.0 31.4 47.0#



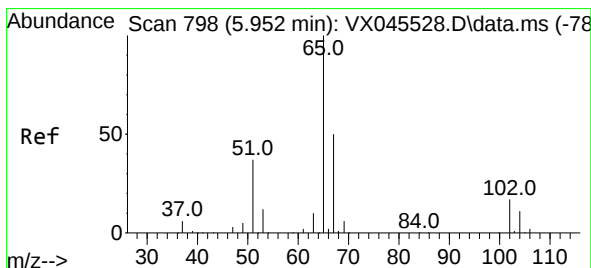
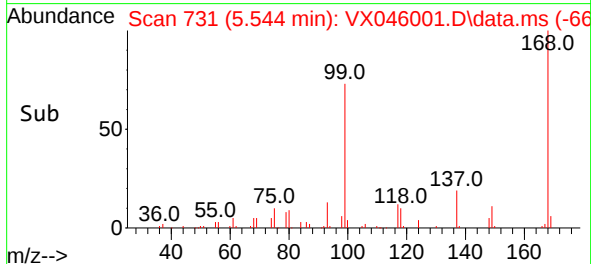
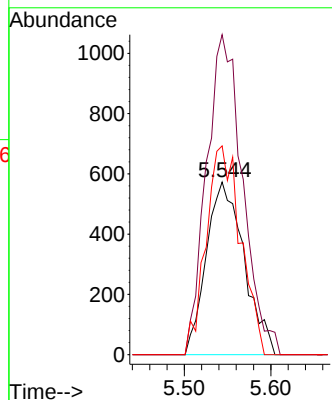


#31
Cyclohexane
Concen: 1.266 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
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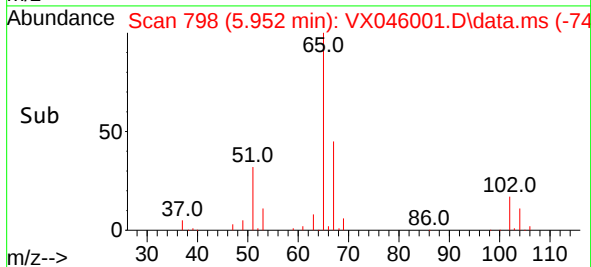
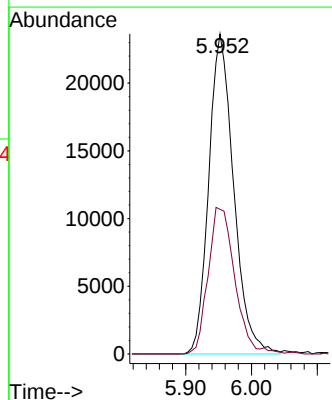
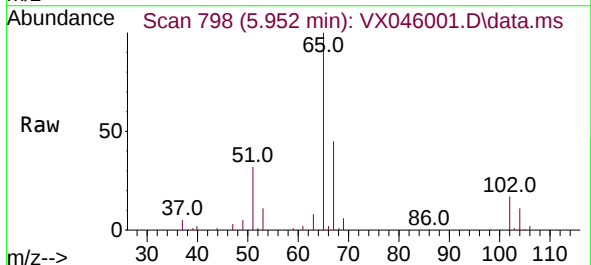


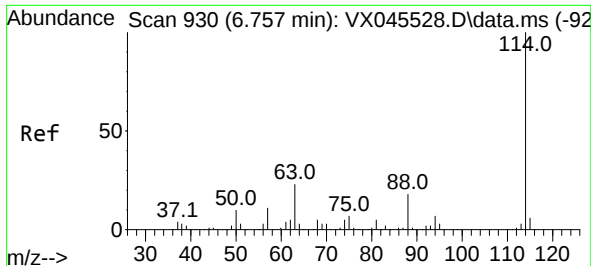
Tgt Ion: 56 Resp: 1734
Ion Ratio Lower Upper
56 100
69 185.3 23.6 35.4#
84 120.9 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.728 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion: 65 Resp: 62247
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.0

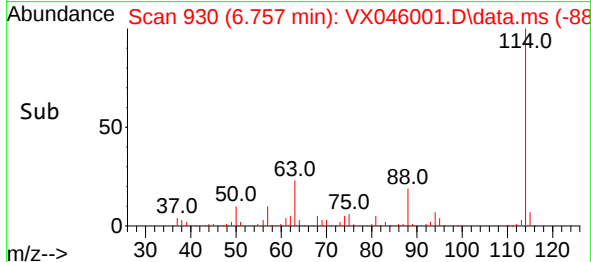
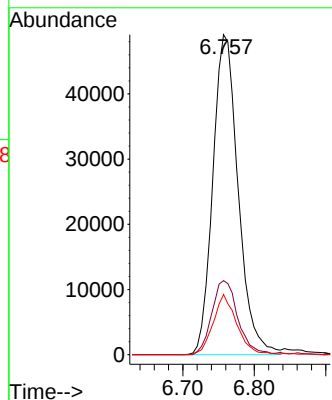
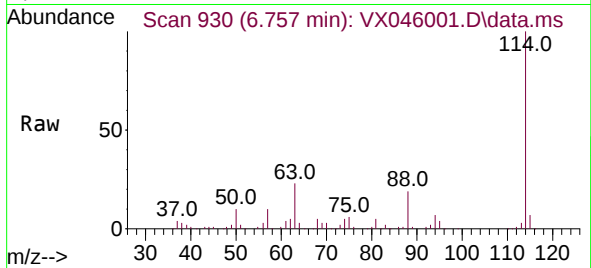




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

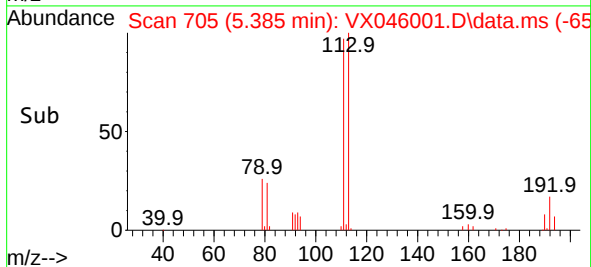
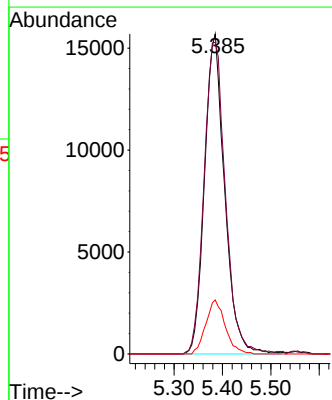
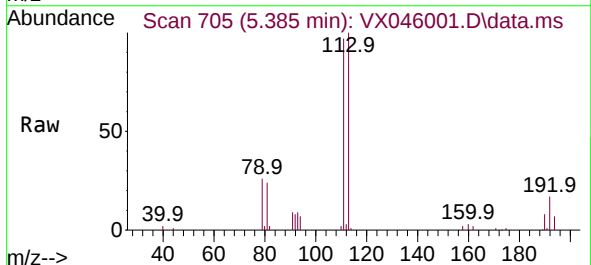
Instrument :
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Tgt Ion:114 Resp: 120942
Ion Ratio Lower Upper
114 100
63 23.1 0.0 46.8
88 18.8 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.737 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion:113 Resp: 45253
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.6
192 16.3 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.271 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX046001.D

Acq: 30 Apr 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

WC-6

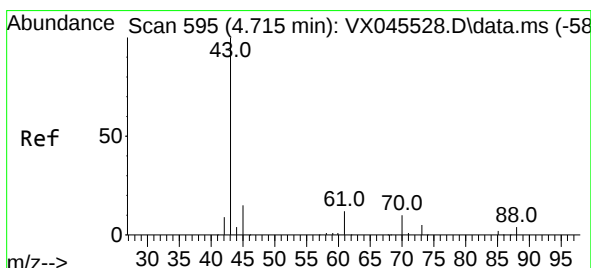
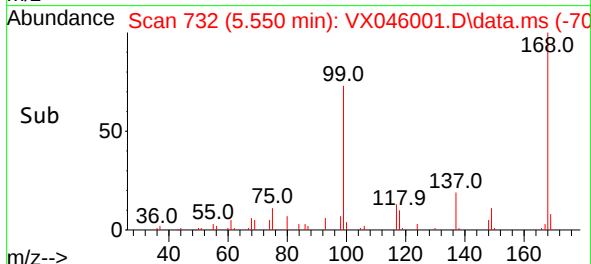
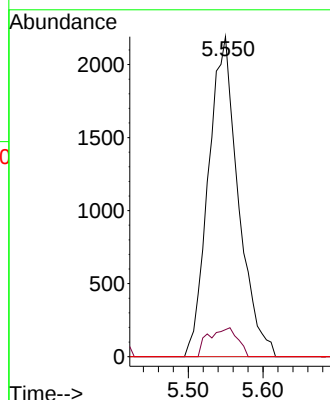
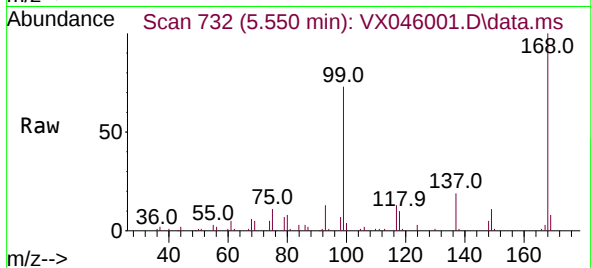
Tgt Ion: 75 Resp: 6107

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 17.564 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.146 min

Lab File: VX046001.D

Acq: 30 Apr 2025 16:27

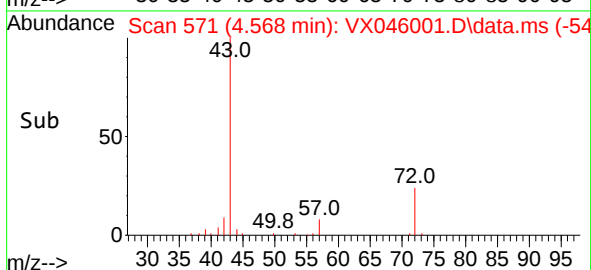
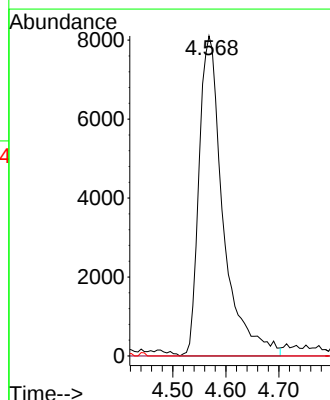
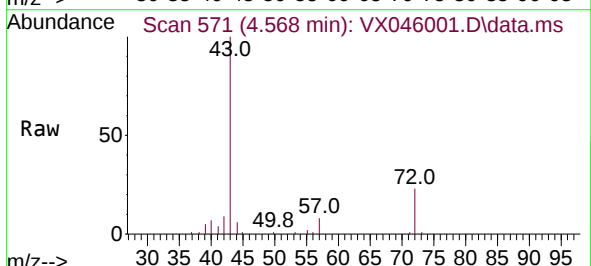
Tgt Ion: 43 Resp: 25644

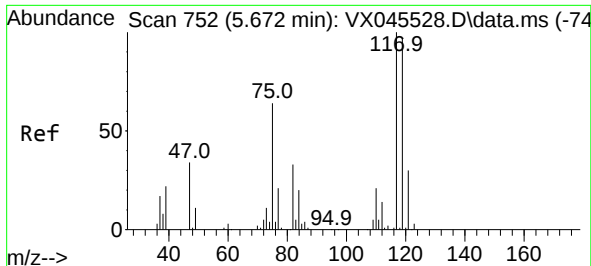
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

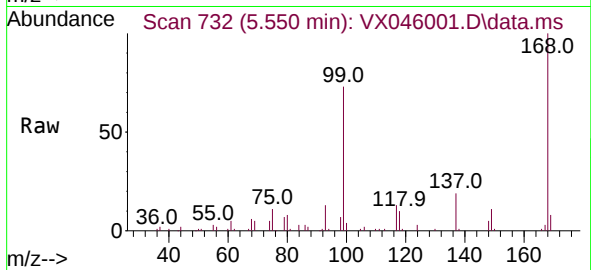
70 0.0 7.5 11.3#



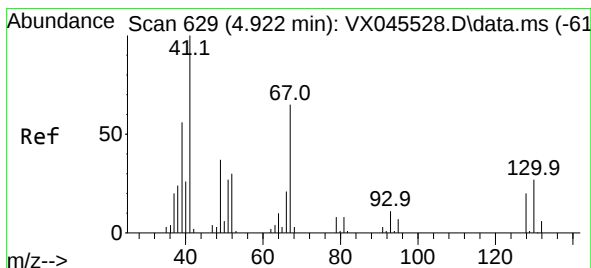
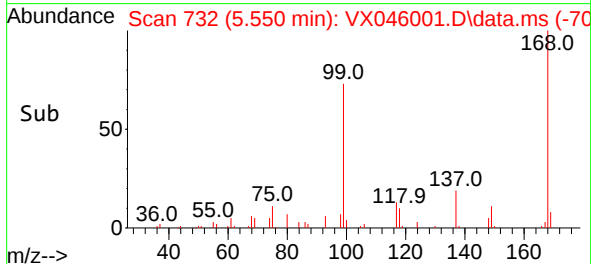
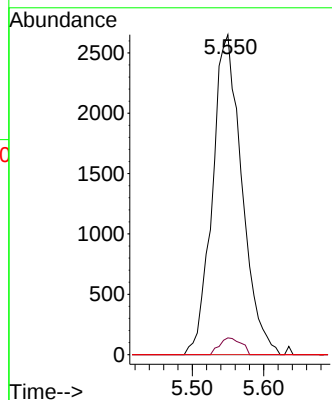


#38
Carbon Tetrachloride
Concen: 6.066 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
WC-6

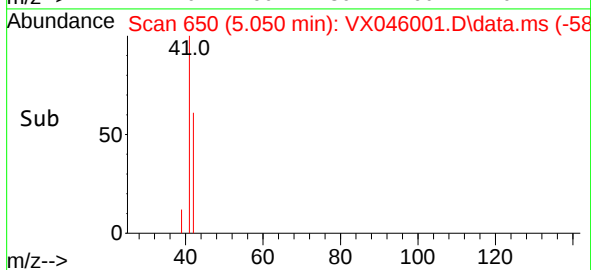
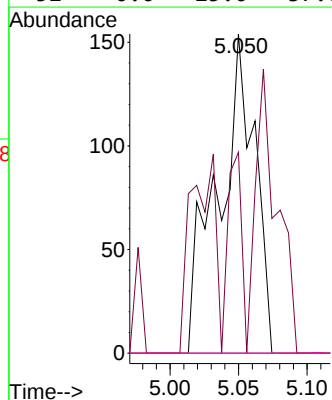
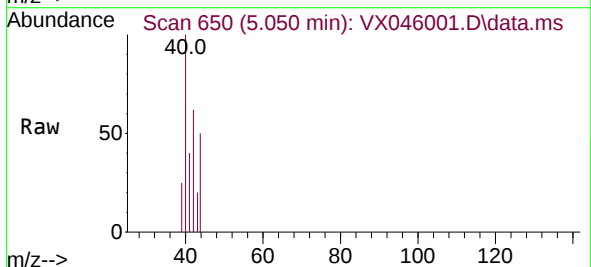


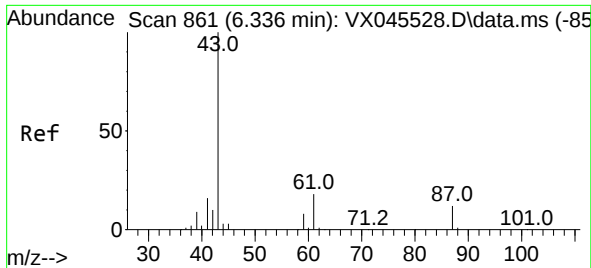
Tgt Ion: 117 Resp: 7595
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.374 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.128 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion: 41 Resp: 288
Ion Ratio Lower Upper
41 100
39 23.3 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

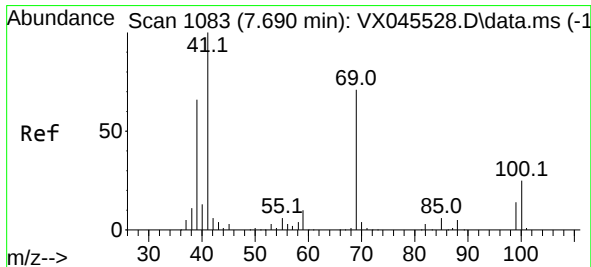
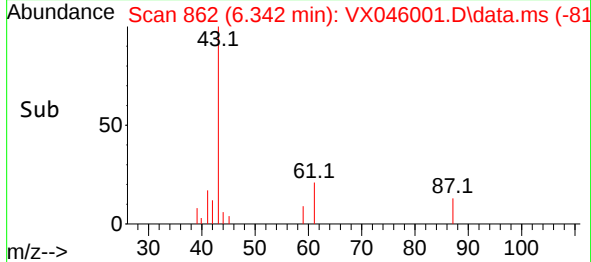
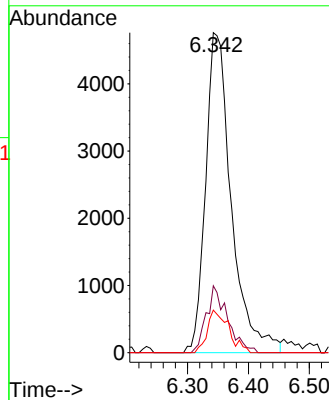
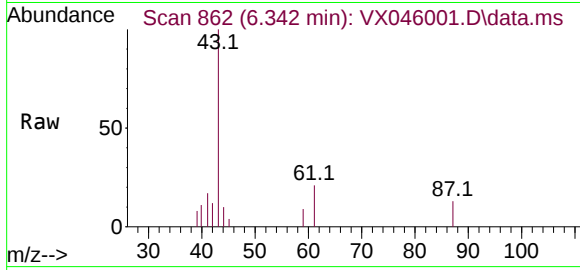




#43
Isopropyl Acetate
Concen: 6.312 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

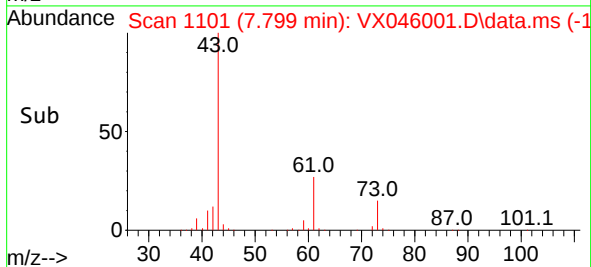
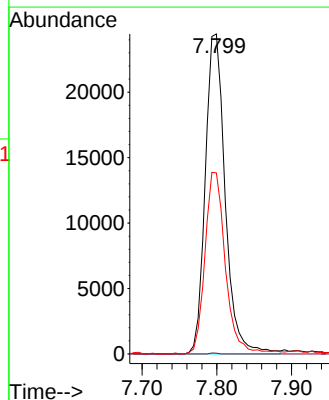
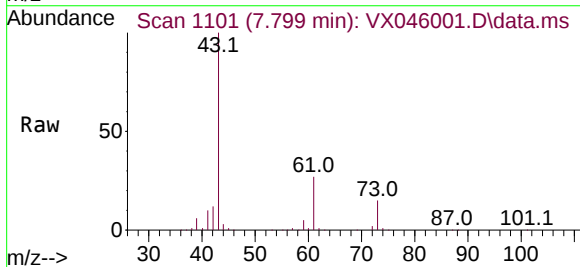
Instrument :
MSVOA_X
ClientSampleId :
WC-6

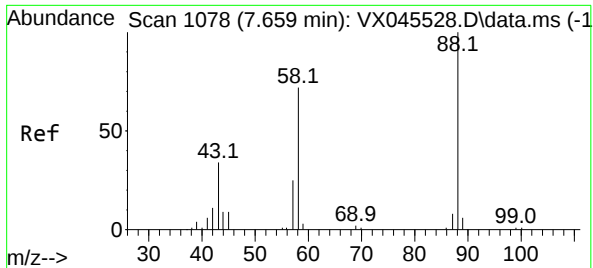
Tgt Ion: 43 Resp: 13969
Ion Ratio Lower Upper
43 100
61 17.3 14.1 21.1
87 11.0 9.2 13.8



#48
Methyl methacrylate
Concen: 39.608 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion: 41 Resp: 45255
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 58.4 53.6 80.4

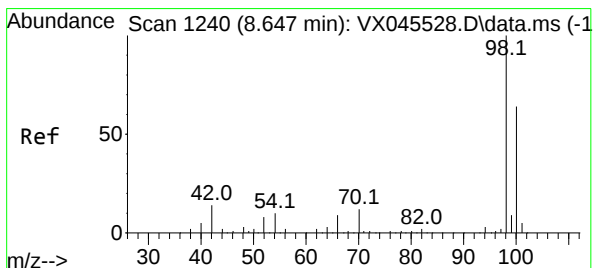
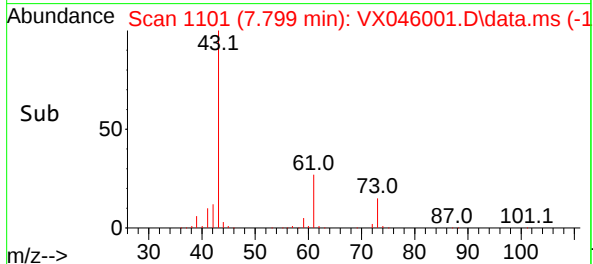
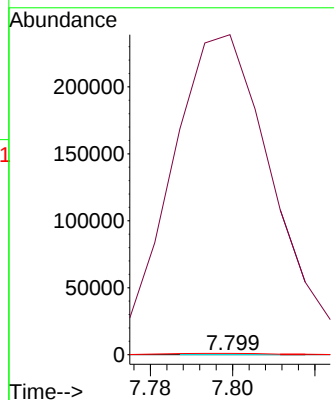
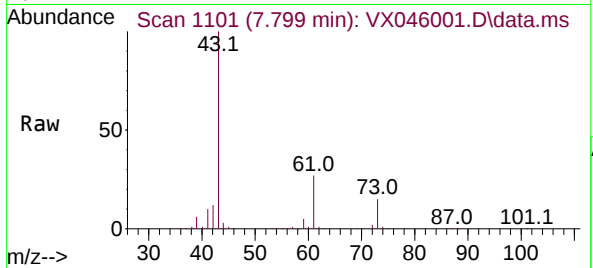




#49
1,4-Dioxane
Concen: 0.919 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

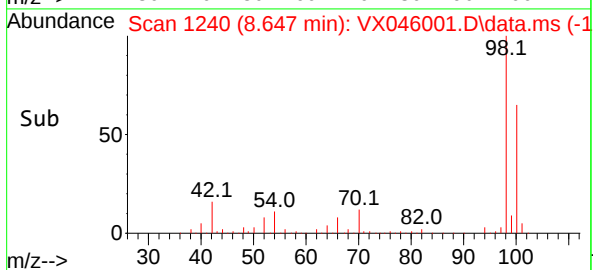
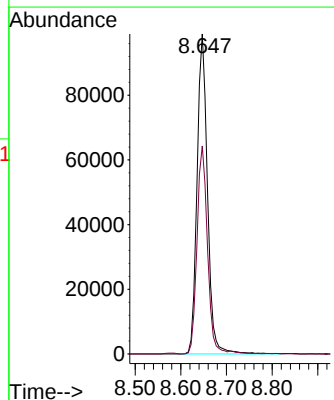
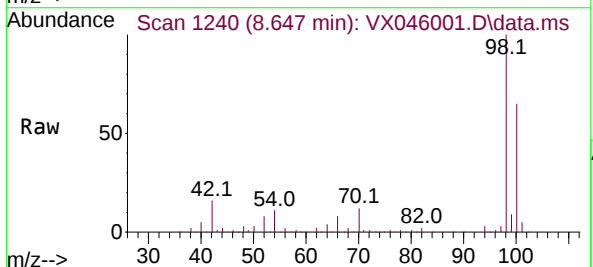
Instrument :
MSVOA_X
ClientSampleId :
WC-6

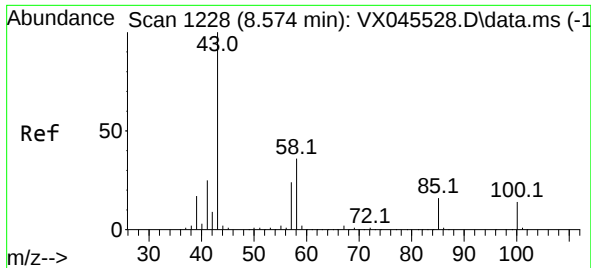
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 2275273.7 32.2 48.4#
58 10463.2 58.6 88.0#



#50
Toluene-d8
Concen: 52.486 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion: 98 Resp: 157197
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4

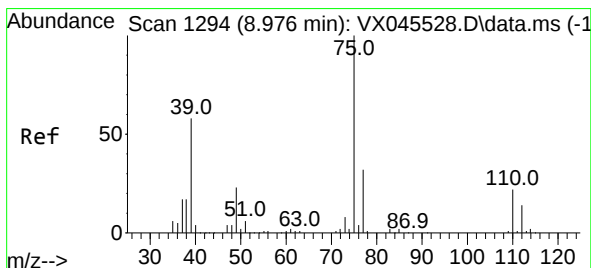
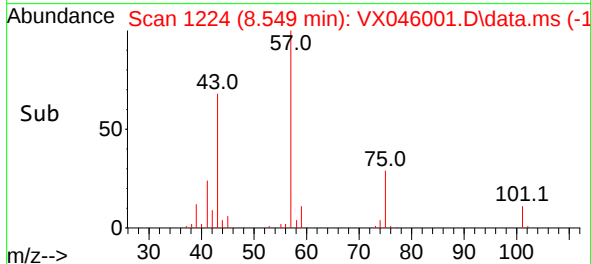
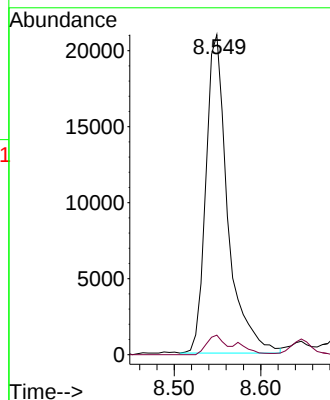
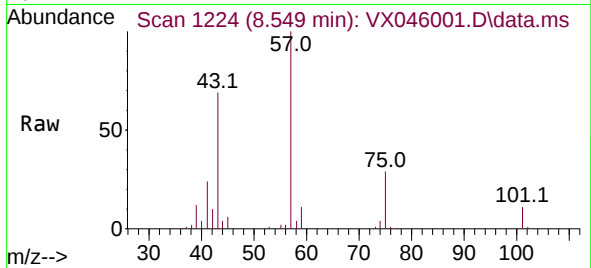




#51
4-Methyl-2-Pentanone
Concen: 25.047 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

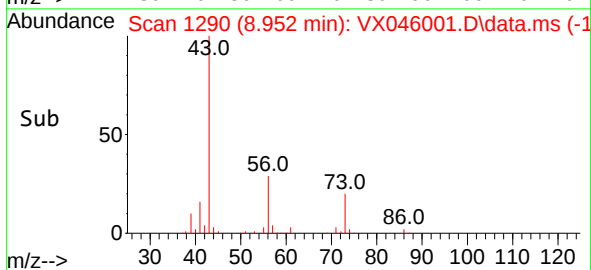
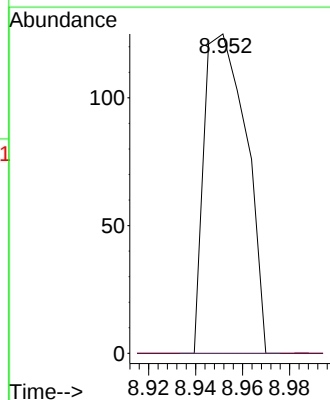
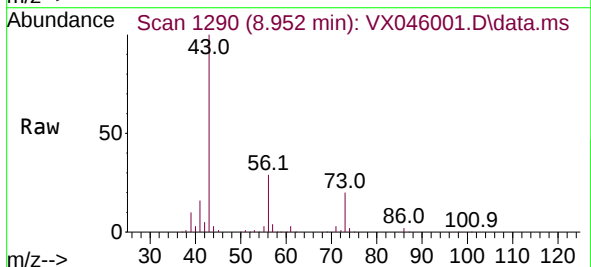
Instrument :
MSVOA_X
ClientSampleId :
WC-6

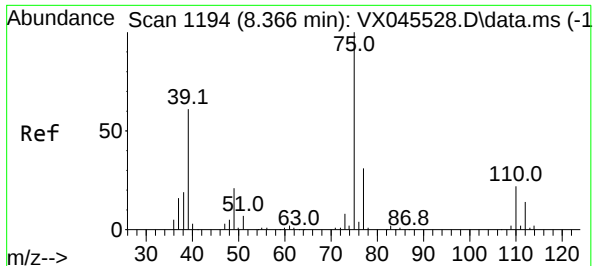
Tgt Ion: 43 Resp: 36744
Ion Ratio Lower Upper
43 100
58 5.3 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.403 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion: 75 Resp: 155
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

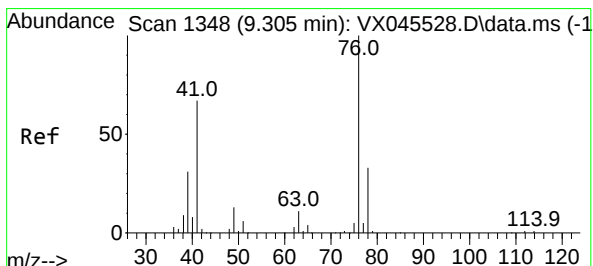
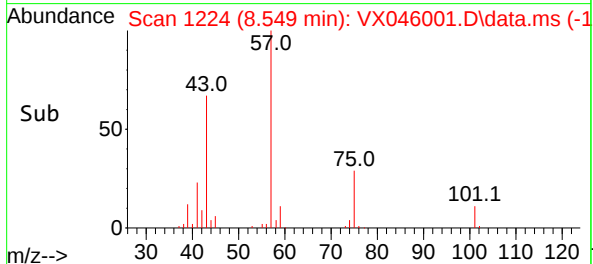
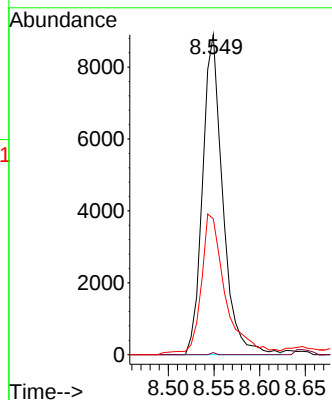
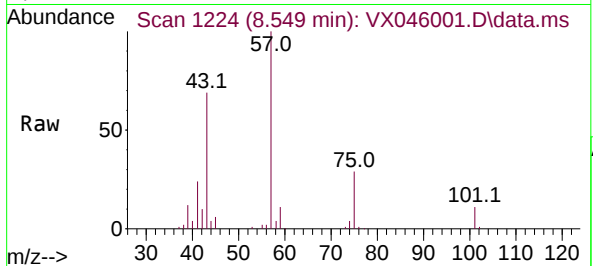




#54
 cis-1,3-Dichloropropene
 Concen: 10.783 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX046001.D
 Acq: 30 Apr 2025 16:27

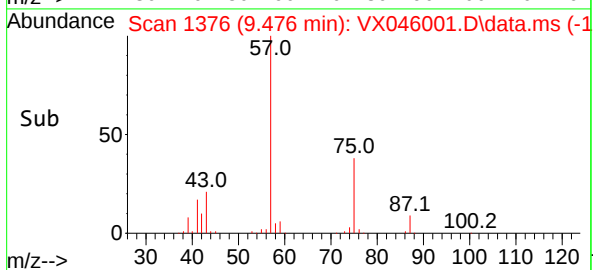
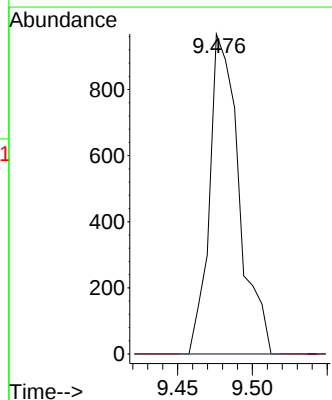
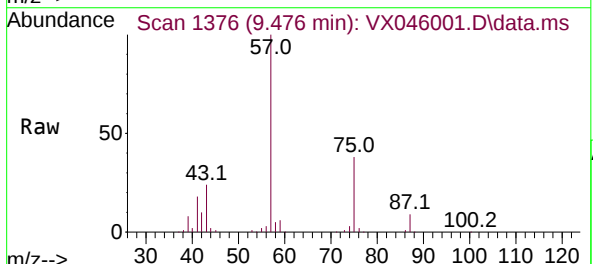
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

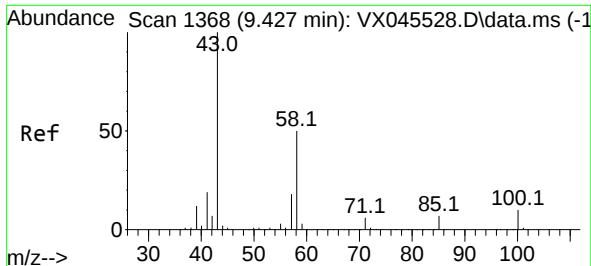
Tgt Ion: 75 Resp: 13715
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.6 36.8#
 39 41.5 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.895 ug/l
 RT: 9.476 min Scan# 1376
 Delta R.T. 0.171 min
 Lab File: VX046001.D
 Acq: 30 Apr 2025 16:27

Tgt Ion: 76 Resp: 1329
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

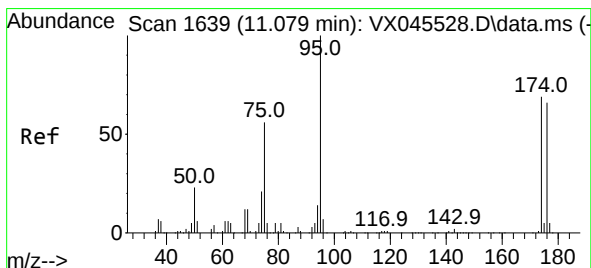
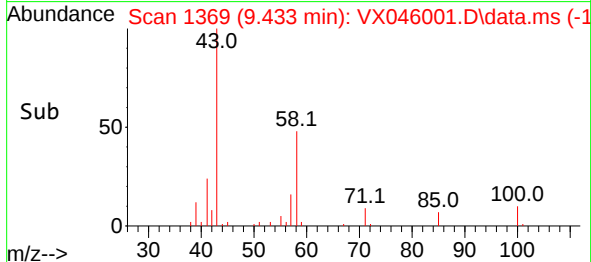
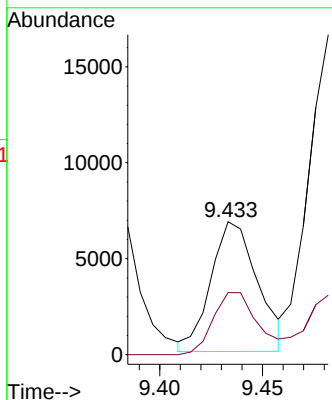
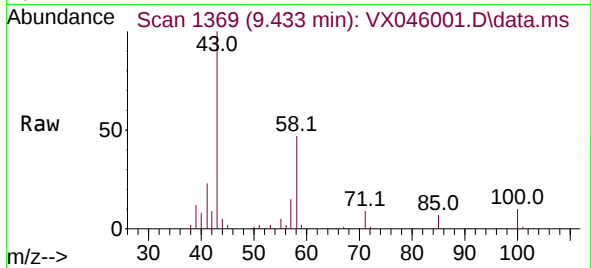




#59
2-Hexanone
Concen: 9.843 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

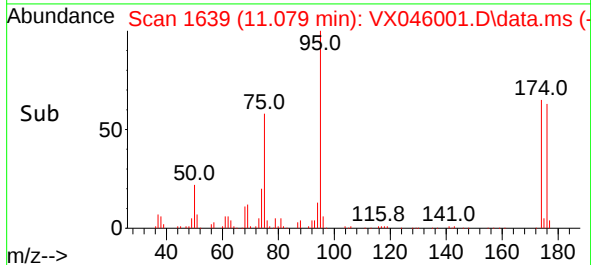
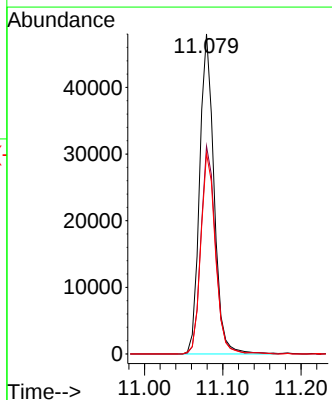
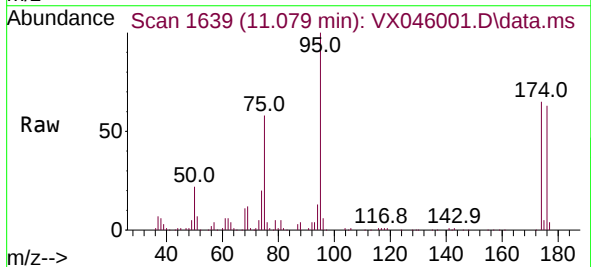
Instrument :
MSVOA_X
ClientSampleId :
WC-6

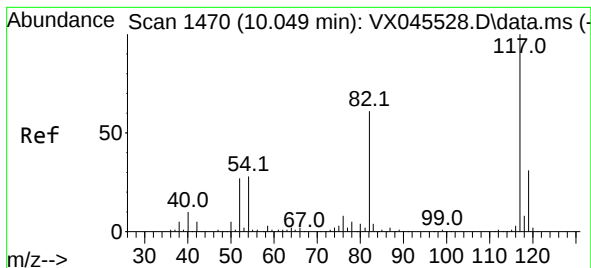
Tgt Ion: 43 Resp: 10693
Ion Ratio Lower Upper
43 100
58 45.5 24.9 74.6



#62
4-Bromofluorobenzene
Concen: 56.043 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion: 95 Resp: 61140
Ion Ratio Lower Upper
95 100
174 65.6 0.0 135.8
176 63.7 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046001.D

Acq: 30 Apr 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

WC-6

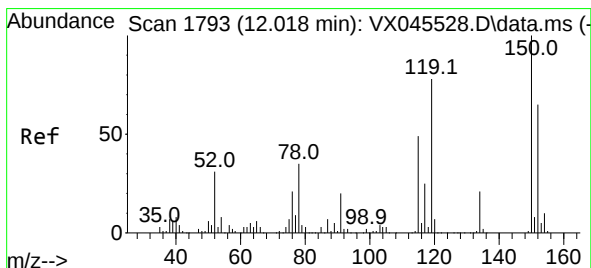
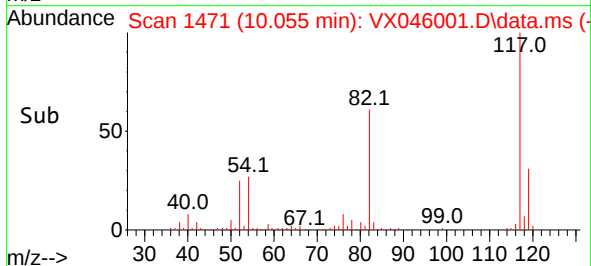
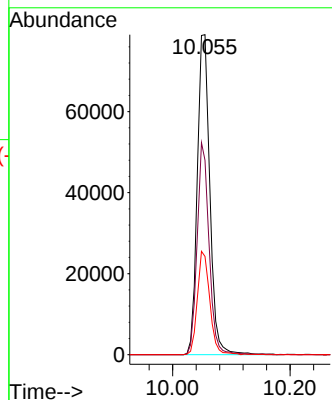
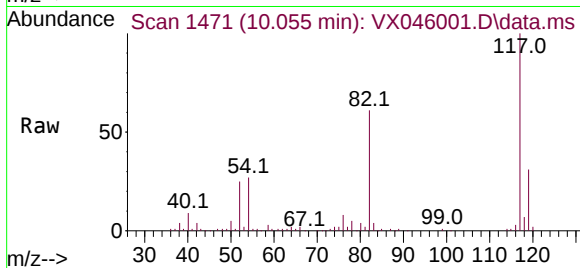
Tgt Ion:117 Resp: 117536

Ion Ratio Lower Upper

117 100

82 60.8 49.2 73.8

119 30.7 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046001.D

Acq: 30 Apr 2025 16:27

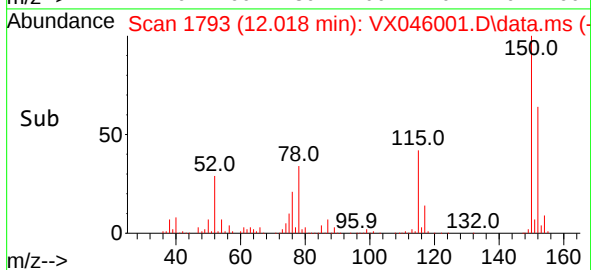
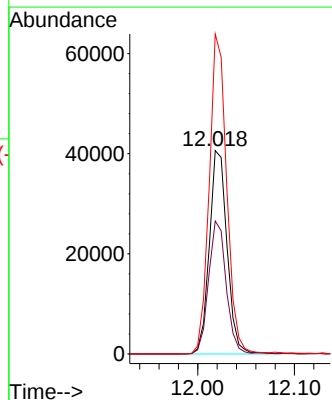
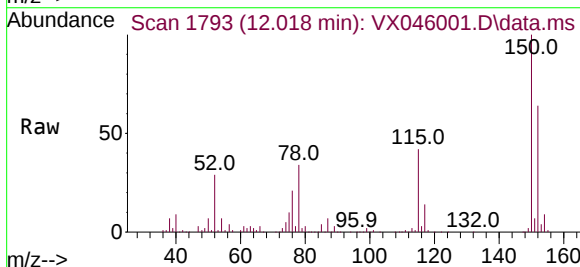
Tgt Ion:152 Resp: 51821

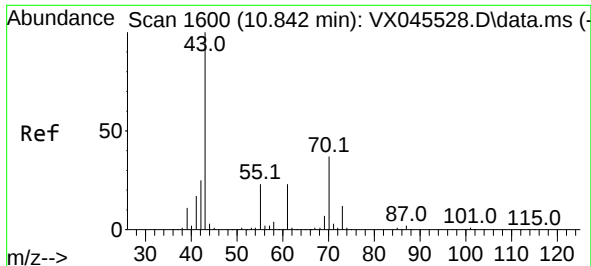
Ion Ratio Lower Upper

152 100

115 65.4 46.9 140.7

150 154.8 0.0 349.4

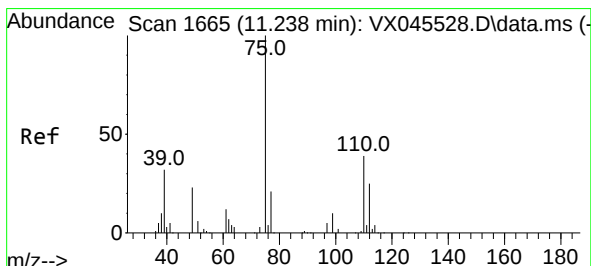
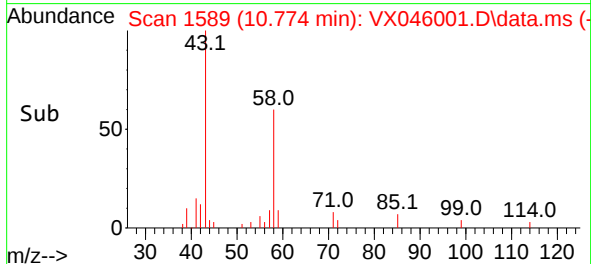
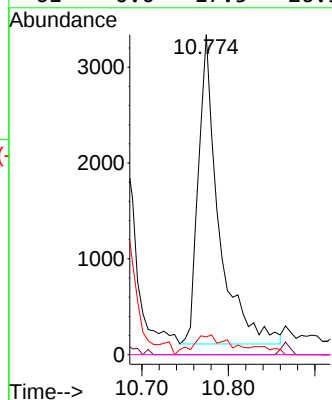
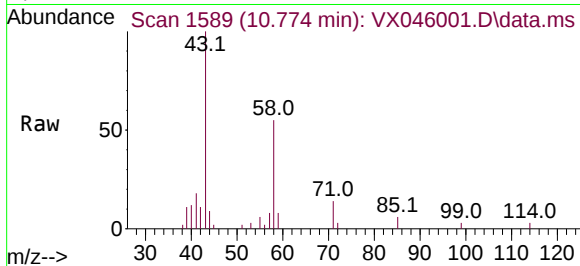




#74
N-amy1 acetate
Concen: 2.651 ug/l
RT: 10.774 min Scan# 1639
Delta R.T. -0.067 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

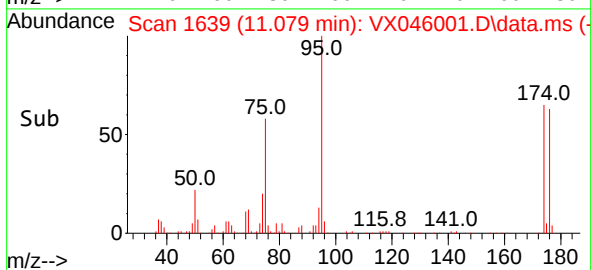
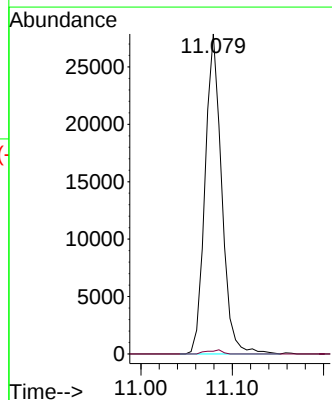
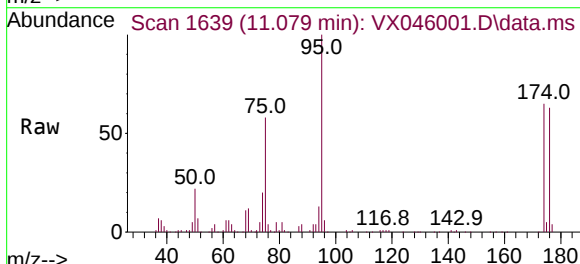
Instrument :
MSVOA_X
ClientSampleId :
WC-6

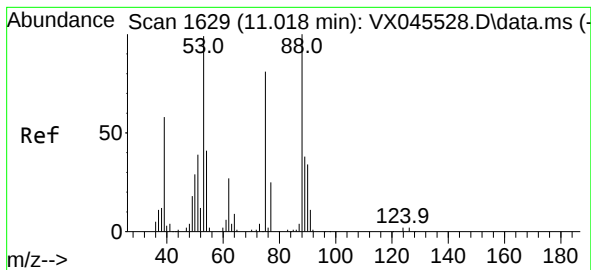
Tgt Ion:	43	Resp:	5263
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	6.4	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 27.866 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046001.D
Acq: 30 Apr 2025 16:27

Tgt Ion:	75	Resp:	35224
Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.0	59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.575 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046001.D
 Acq: 30 Apr 2025 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

Tgt Ion: 75 Resp: 35224
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

