

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046019.D
 Acq On : 02 May 2025 11:55
 Operator : JC/MD
 Sample : Q1916-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12

Quant Time: May 02 23:12:57 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)

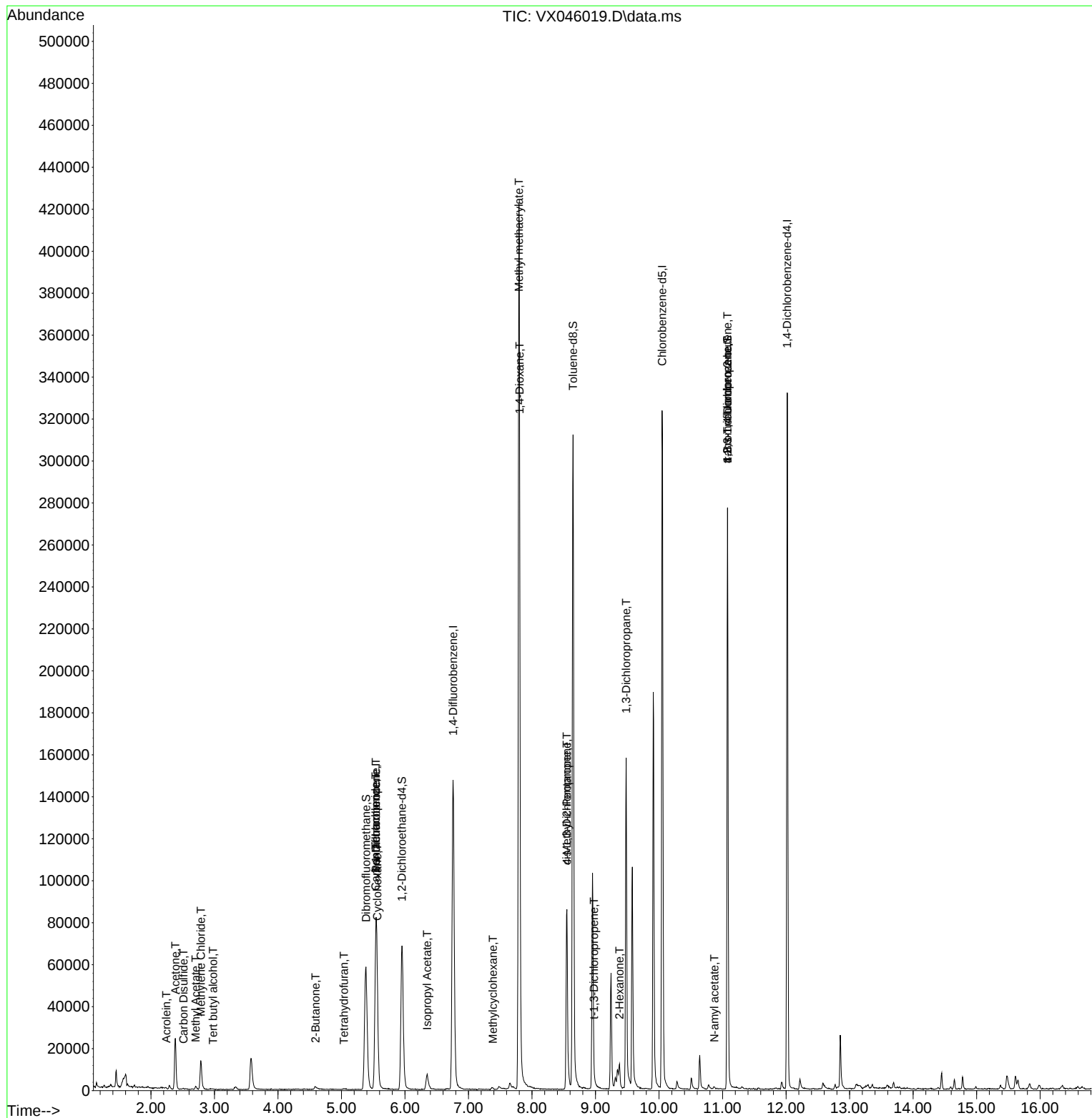
Internal Standards						
1) Pentafluorobenzene	5.544	168	71422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69585	53.276	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.560%	
35) Dibromofluoromethane	5.385	113	51551	51.334	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.660%	
50) Toluene-d8	8.647	98	179100	51.096	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.200%	
62) 4-Bromofluorobenzene	11.079	95	71389	55.915	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	306	1.743	ug/l #	72
13) Acrolein	2.239	56	367	1.518	ug/l	97
16) Acetone	2.386	43	27199	50.713	ug/l	97
17) Carbon Disulfide	2.514	76	488	0.230	ug/l #	76
18) Methyl Acetate	2.703	43	2118	1.715	ug/l #	86
20) Methylene Chloride	2.788	84	6243	6.218	ug/l	96
25) 2-Butanone	4.593	43	2884	3.674	ug/l	91
29) Tetrahydrofuran	5.038	42	172	0.338	ug/l #	44
31) Cyclohexane	5.562	56	2067	1.290	ug/l #	29
36) 1,1-Dichloropropene	5.544	75	6727	4.961	ug/l #	47
38) Carbon Tetrachloride	5.538	117	8267	5.641	ug/l #	16
39) Methylcyclohexane	7.385	83	397	0.239	ug/l #	75
43) Isopropyl Acetate	6.348	43	10175	3.929	ug/l	99
48) Methyl methacrylate	7.793	41	42739	31.962	ug/l #	49
49) 1,4-Dioxane	7.806	88	19	0.785	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	34171	19.904	ug/l #	52
53) t-1,3-Dichloropropene	8.976	75	24	2.304	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13198	8.867	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1218	0.700	ug/l #	42
59) 2-Hexanone	9.378	43	11654	9.167	ug/l #	28
74) N-amyl acetate	10.872	43	614	0.267	ug/l #	70
76) 1,2,3-Trichloropropane	11.079	75	40707	27.804	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40707	94.363	ug/l #	1

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

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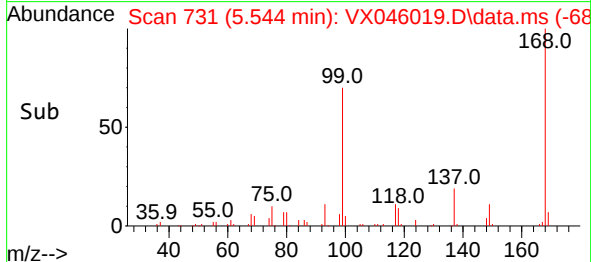
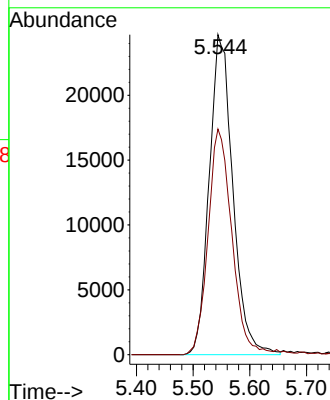
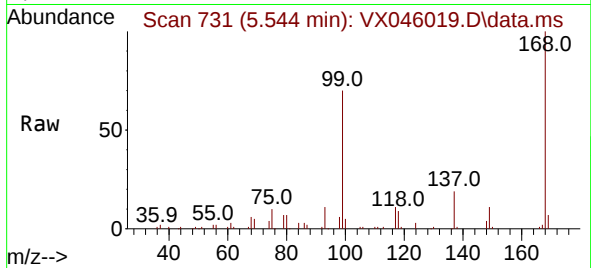




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

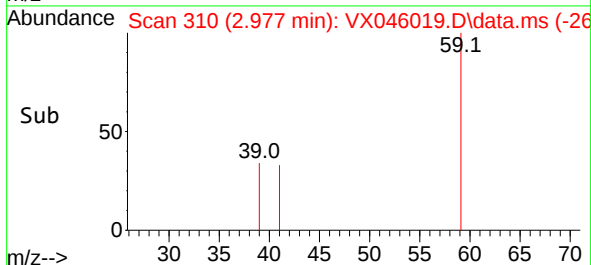
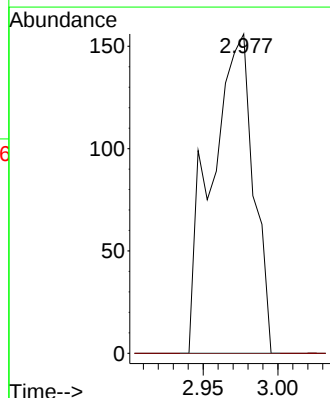
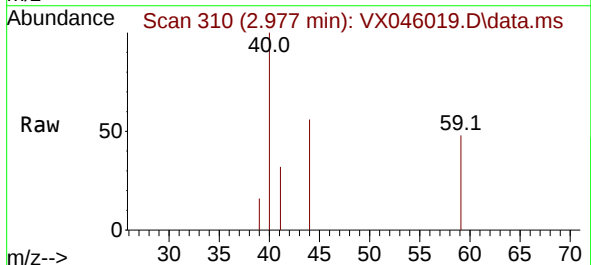
Instrument :
MSVOA_X
ClientSampleId :
WC-12

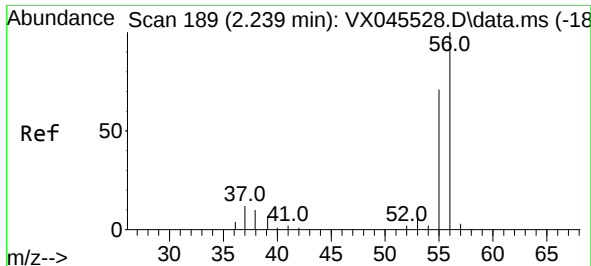
Tgt Ion:168 Resp: 71422
Ion Ratio Lower Upper
168 100
99 70.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.743 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 1.518 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX046019.D

Acq: 02 May 2025 11:55

Instrument :

MSVOA_X

ClientSampleId :

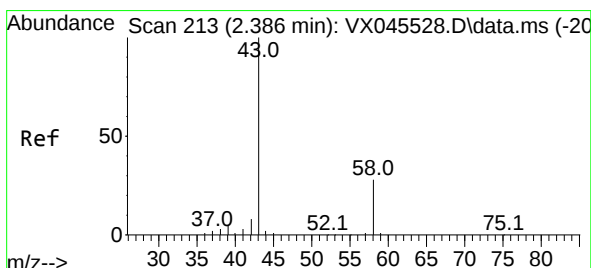
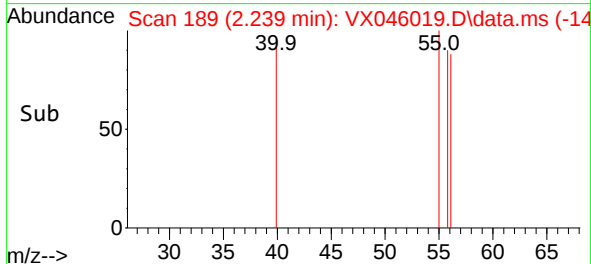
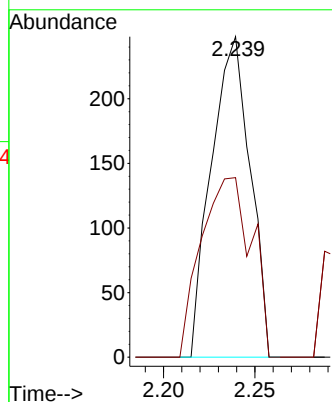
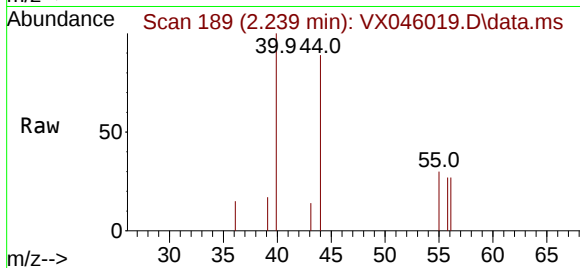
WC-12

Tgt Ion: 56 Resp: 367

Ion Ratio Lower Upper

56 100

55 73.0 56.2 84.2



#16

Acetone

Concen: 50.713 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX046019.D

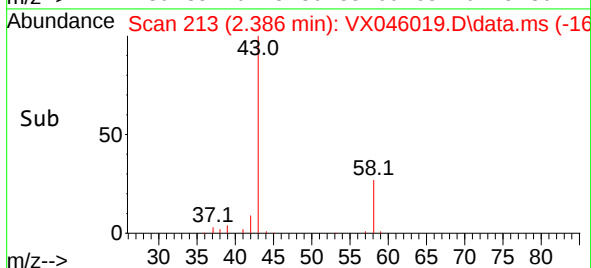
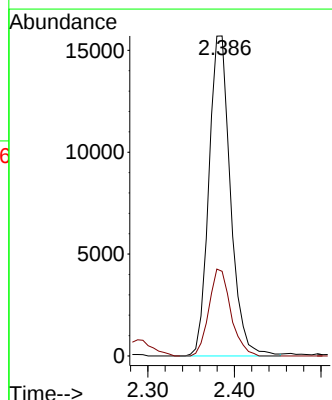
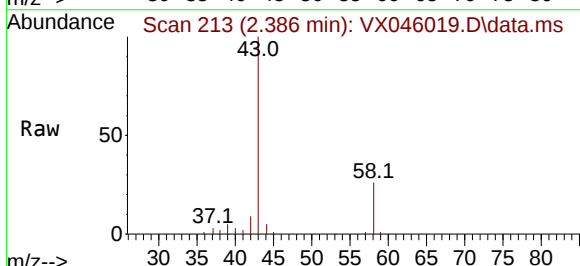
Acq: 02 May 2025 11:55

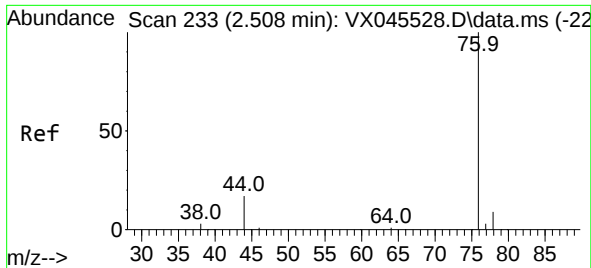
Tgt Ion: 43 Resp: 27199

Ion Ratio Lower Upper

43 100

58 26.4 22.3 33.5





#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046019.D

Acq: 02 May 2025 11:55

Instrument :

MSVOA_X

ClientSampleId :

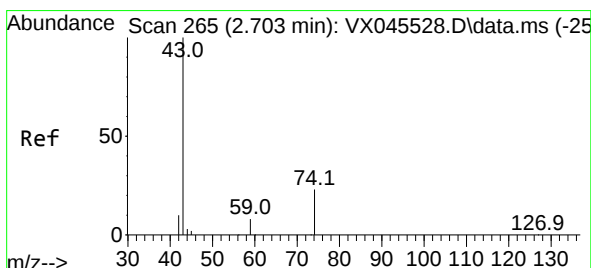
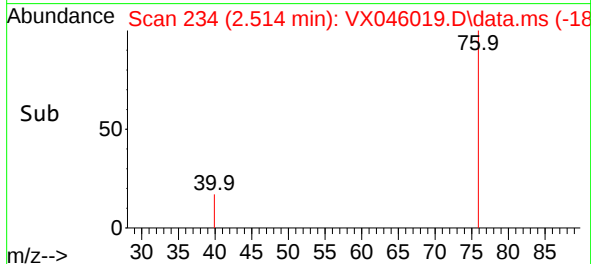
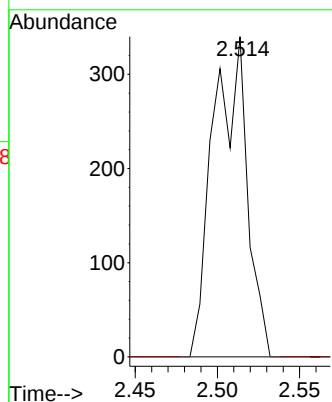
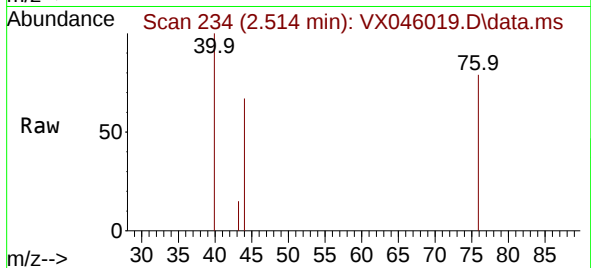
WC-12

Tgt Ion: 76 Resp: 488

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 1.715 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX046019.D

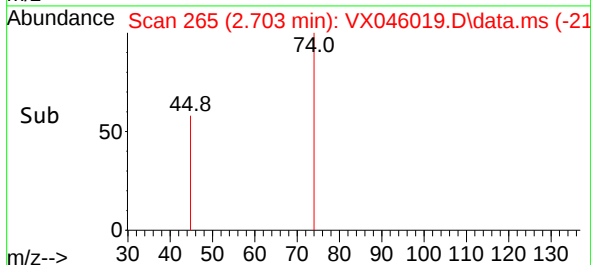
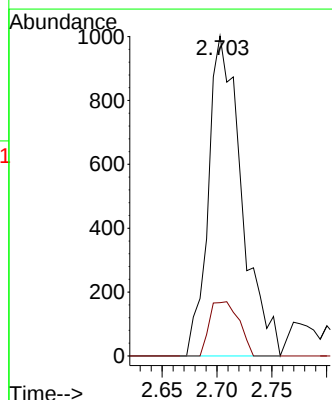
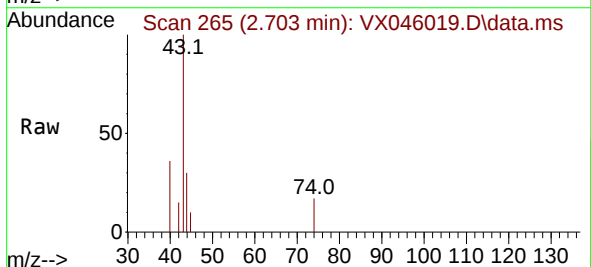
Acq: 02 May 2025 11:55

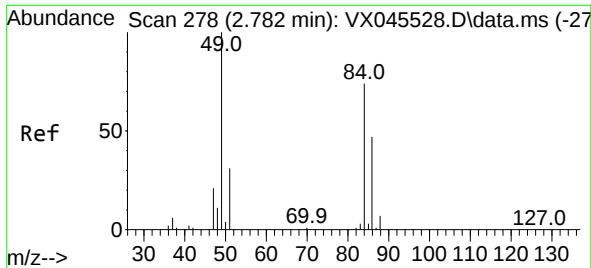
Tgt Ion: 43 Resp: 2118

Ion Ratio Lower Upper

43 100

74 15.0 17.5 26.3#

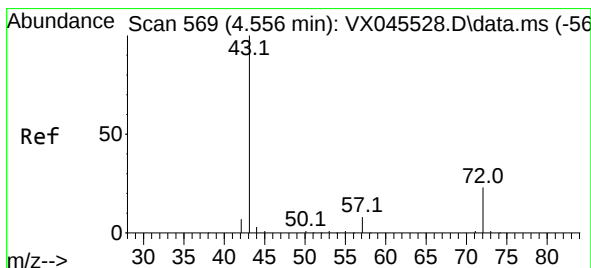
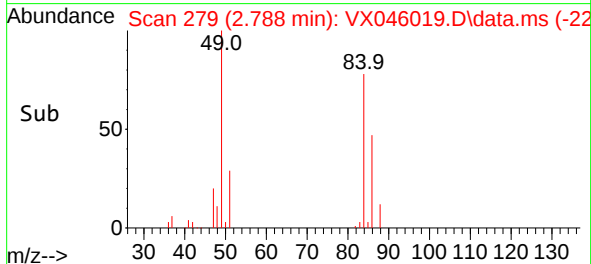
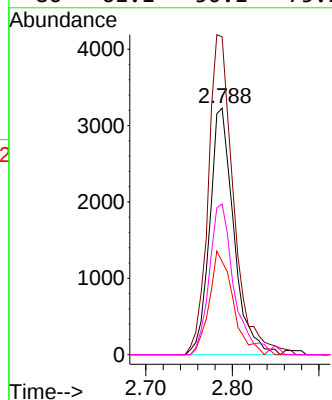
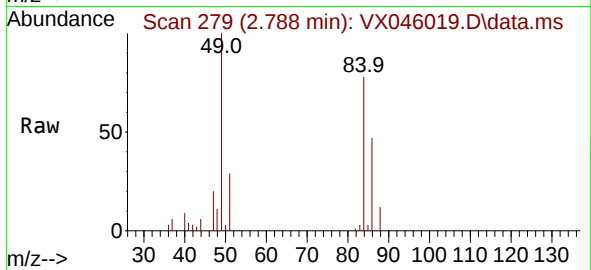




#20
Methylene Chloride
Concen: 6.218 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

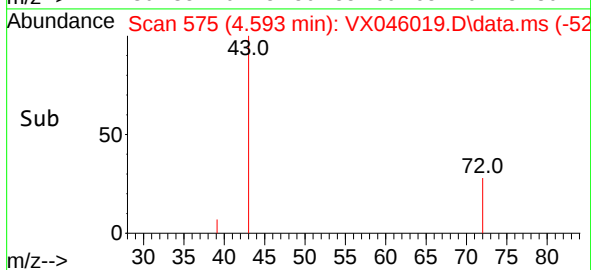
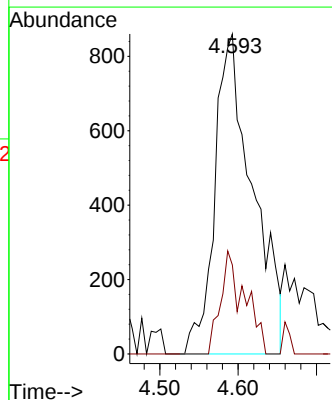
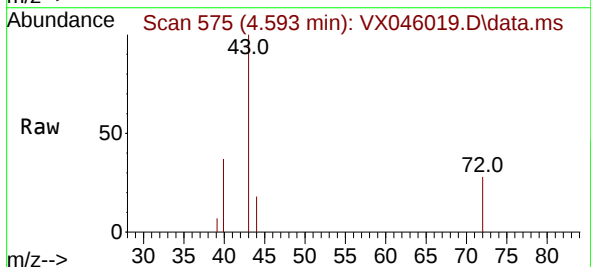
Instrument :
MSVOA_X
ClientSampleId :
WC-12

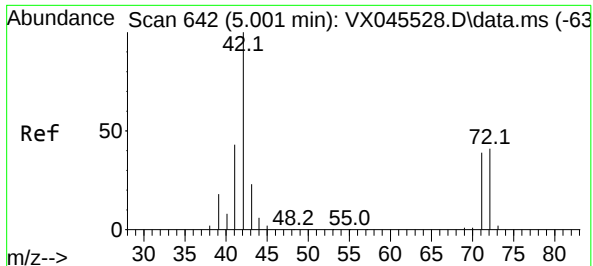
Tgt Ion:	84	Resp:	6243
Ion	Ratio	Lower	Upper
84	100		
49	128.9	107.5	161.3
51	37.7	33.0	49.6
86	61.1	50.1	75.1



#25
2-Butanone
Concen: 3.674 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

Tgt Ion:	43	Resp:	2884
Ion	Ratio	Lower	Upper
43	100		
72	27.8	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.338 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX046019.D

Acq: 02 May 2025 11:55

Instrument :

MSVOA_X

ClientSampleId :

WC-12

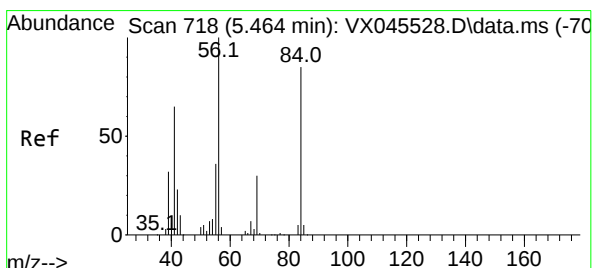
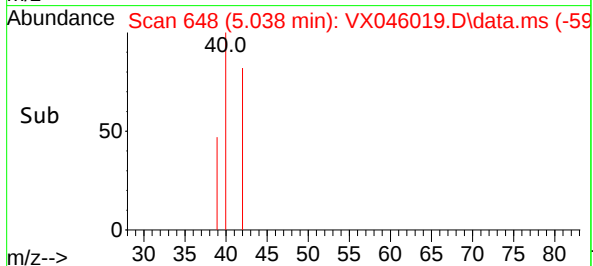
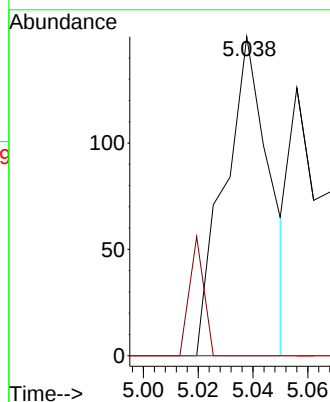
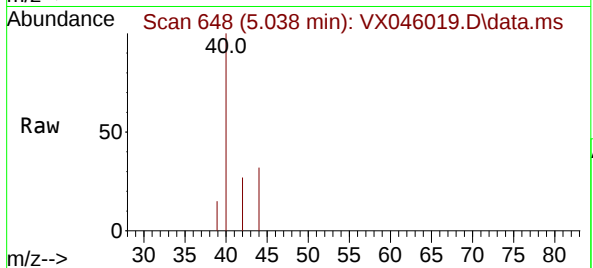
Tgt Ion: 42 Resp: 172

Ion Ratio Lower Upper

42 100

72 11.6 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.290 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.098 min

Lab File: VX046019.D

Acq: 02 May 2025 11:55

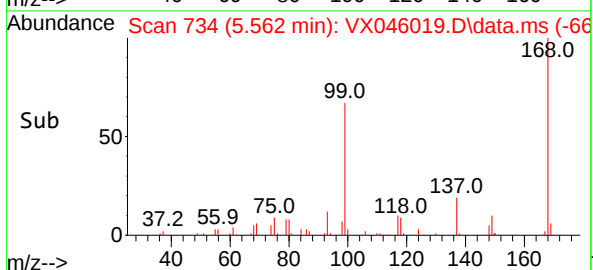
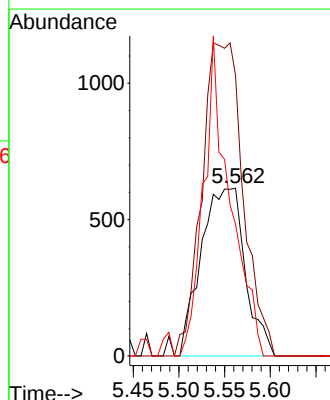
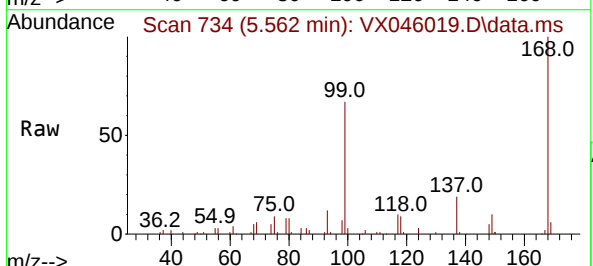
Tgt Ion: 56 Resp: 2067

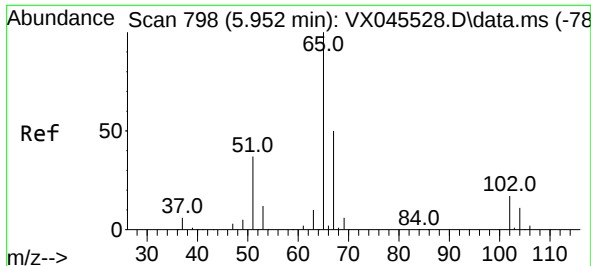
Ion Ratio Lower Upper

56 100

69 167.2 23.6 35.4#

84 78.4 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 53.276 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046019.D

Acq: 02 May 2025 11:55

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MSVOA_X

ClientSampleId :

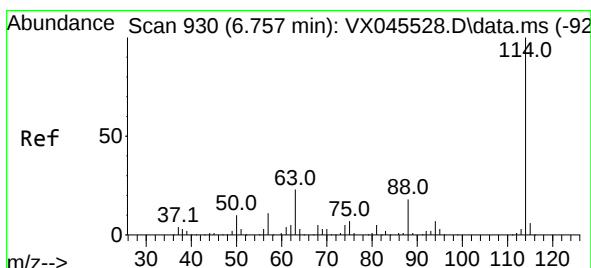
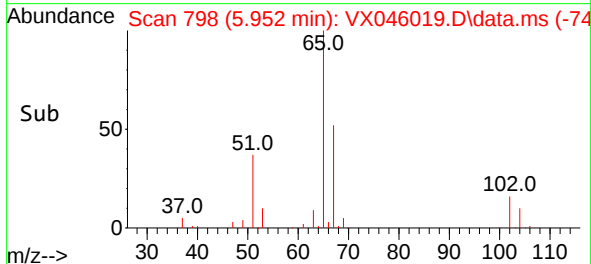
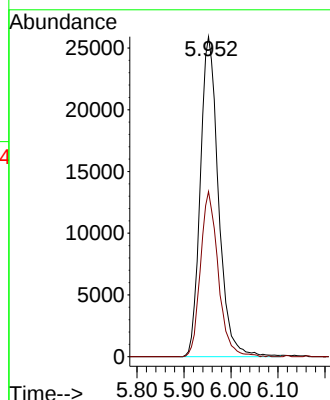
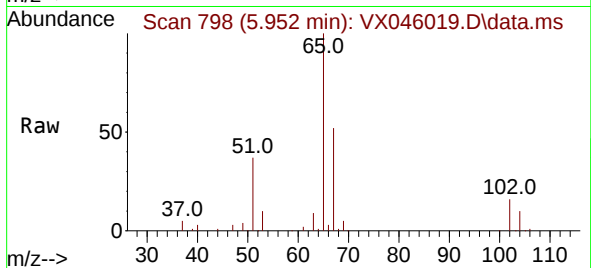
WC-12

Tgt Ion: 65 Resp: 69585

Ion Ratio Lower Upper

65 100

67 50.3 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: VX046019.D

Acq: 02 May 2025 11:55

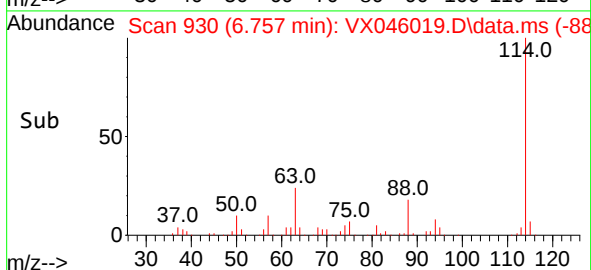
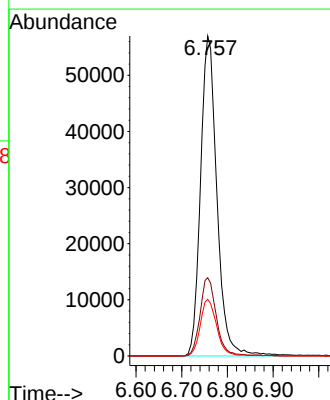
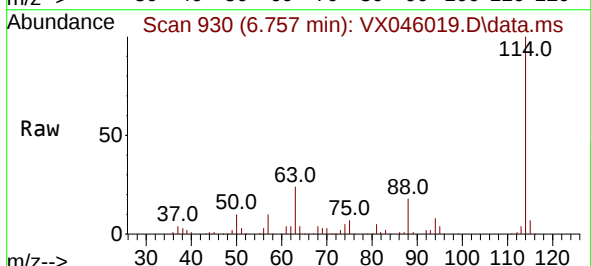
Tgt Ion: 114 Resp: 141540

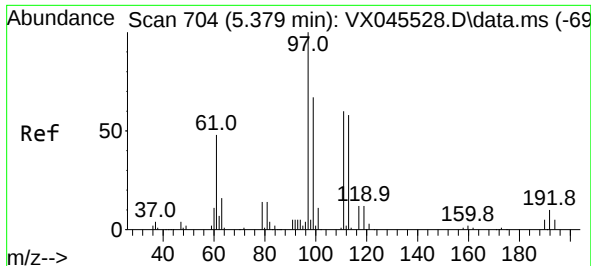
Ion Ratio Lower Upper

114 100

63 24.4 0.0 46.8

88 17.7 0.0 35.4

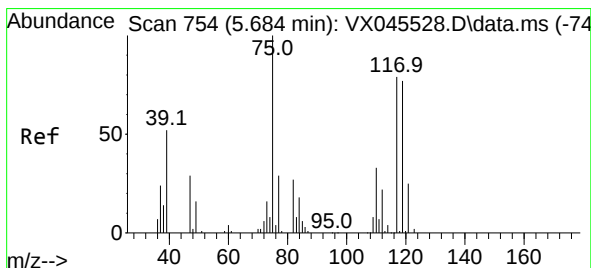
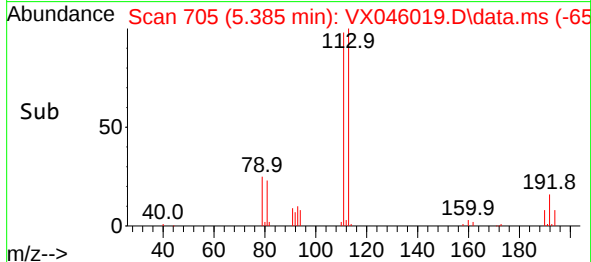
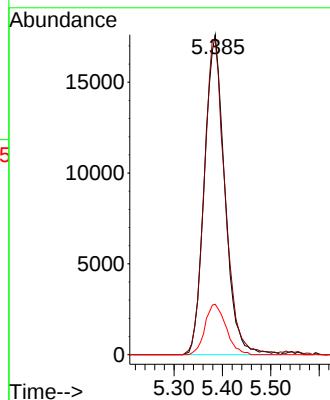
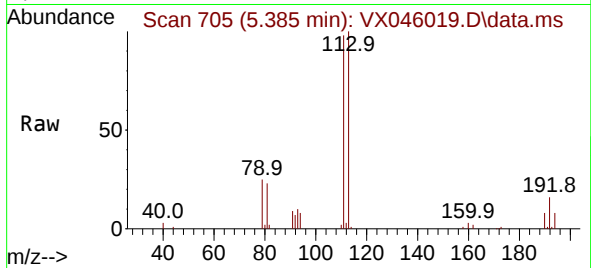




#35
Dibromofluoromethane
Concen: 51.334 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

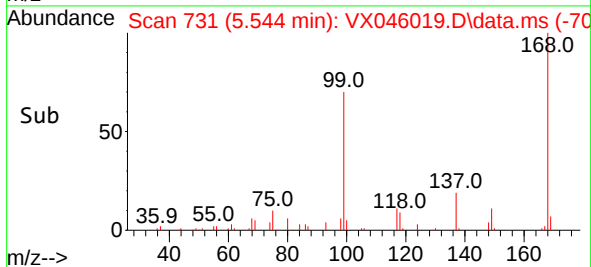
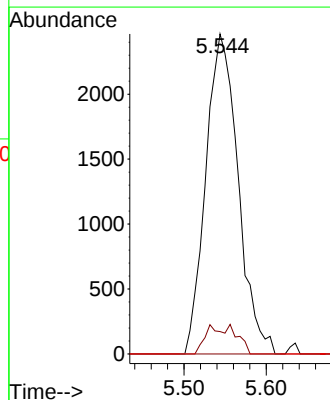
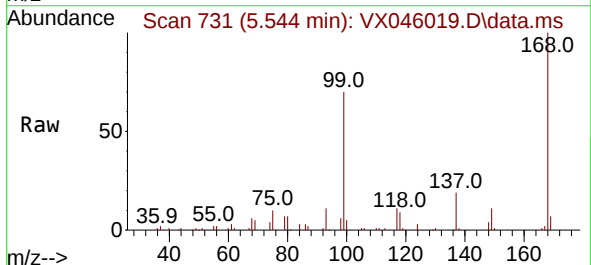
Instrument :
MSVOA_X
ClientSampleId :
WC-12

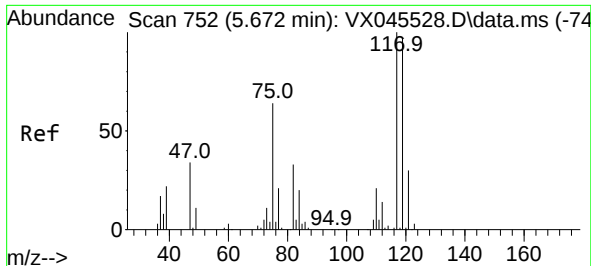
Tgt Ion:113 Resp: 51551
Ion Ratio Lower Upper
113 100
111 100.4 81.8 122.6
192 16.2 13.8 20.6



#36
1,1-Dichloropropene
Concen: 4.961 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

Tgt Ion: 75 Resp: 6727
Ion Ratio Lower Upper
75 100
110 5.1 16.9 50.6#
77 0.0 25.0 37.4#

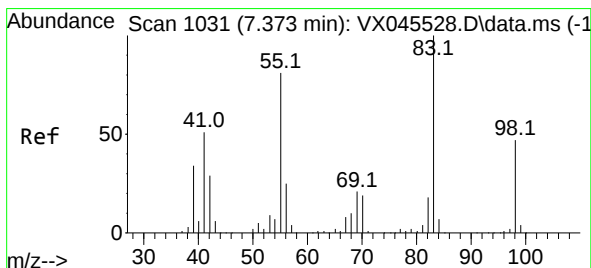
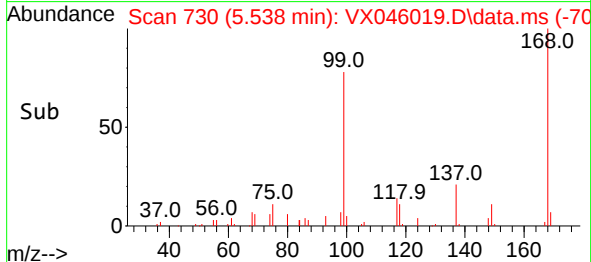
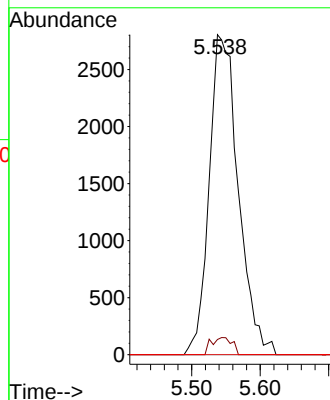
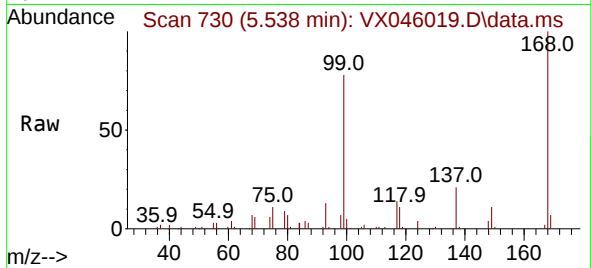




#38
Carbon Tetrachloride
Concen: 5.641 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

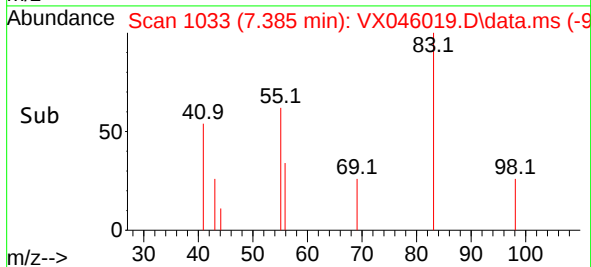
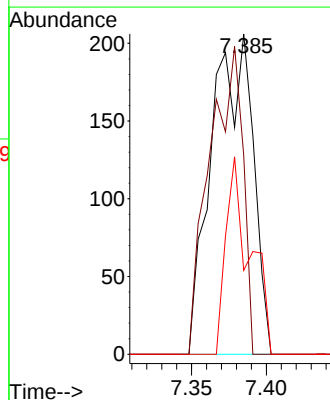
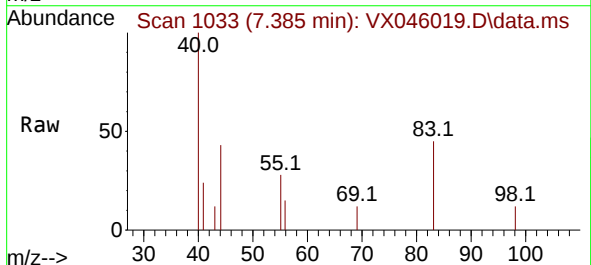
Instrument :
MSVOA_X
ClientSampleId :
WC-12

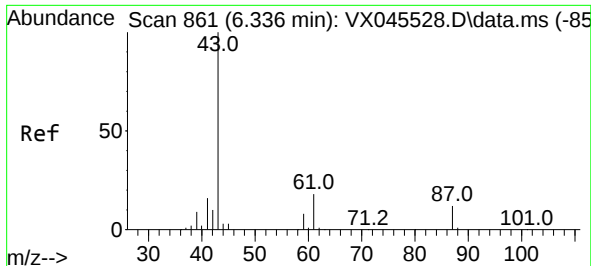
Tgt Ion:117 Resp: 8267
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.239 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

Tgt Ion: 83 Resp: 397
Ion Ratio Lower Upper
83 100
55 62.1 64.9 97.3#
98 26.2 37.4 56.0#

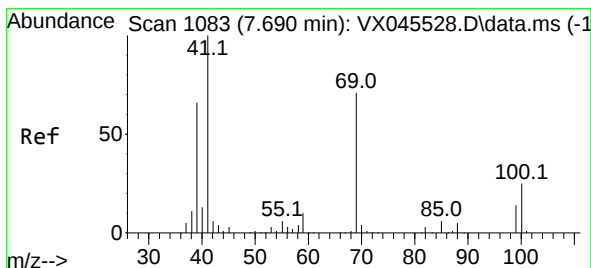
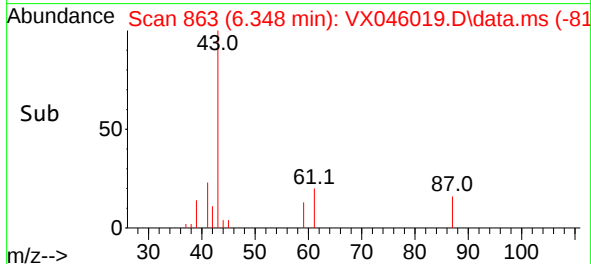
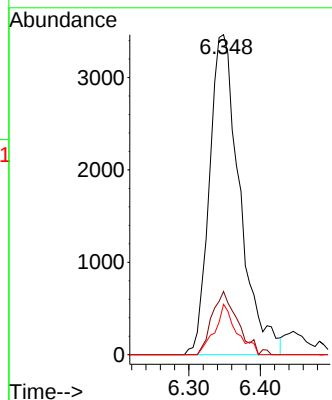
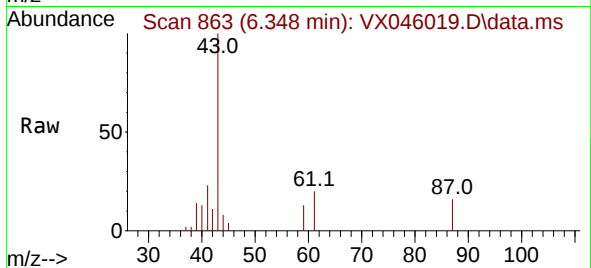




#43
Isopropyl Acetate
Concen: 3.929 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

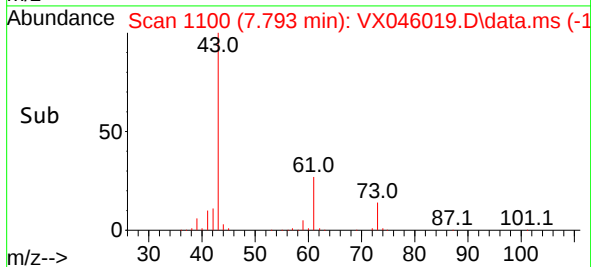
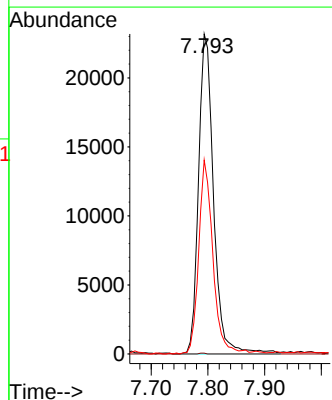
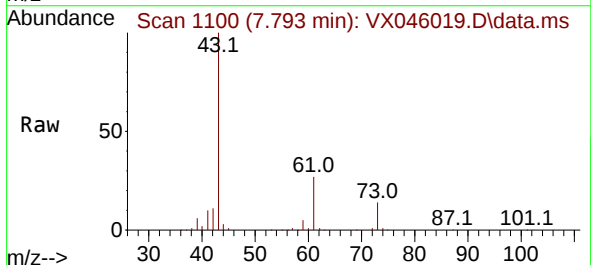
Instrument :
MSVOA_X
ClientSampleId :
WC-12

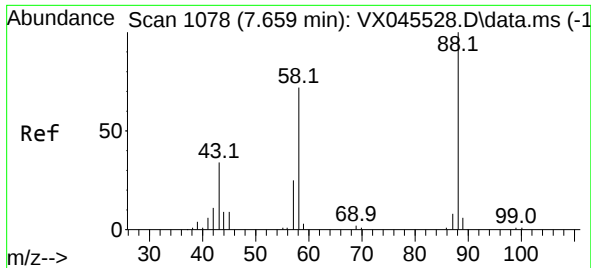
Tgt Ion: 43 Resp: 10175
Ion Ratio Lower Upper
43 100
61 16.8 14.1 21.1
87 11.3 9.2 13.8



#48
Methyl methacrylate
Concen: 31.962 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

Tgt Ion: 41 Resp: 42739
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 57.5 53.6 80.4

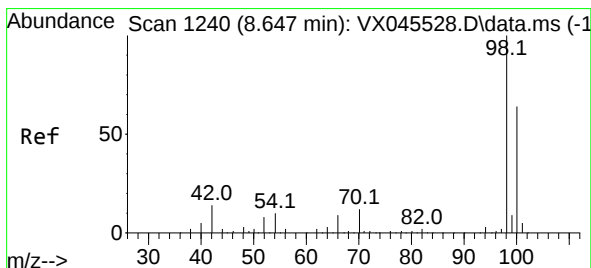
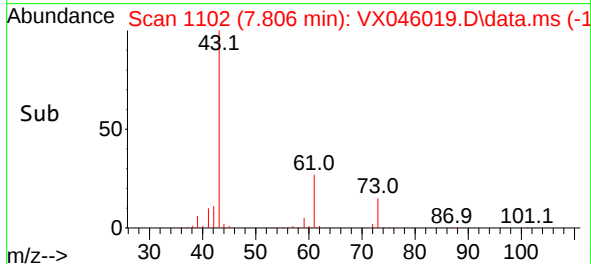
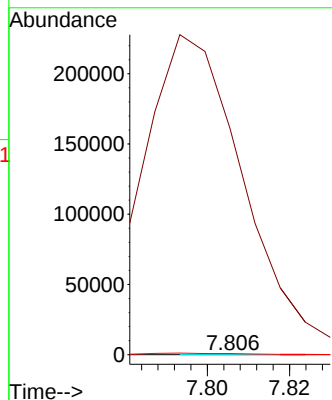
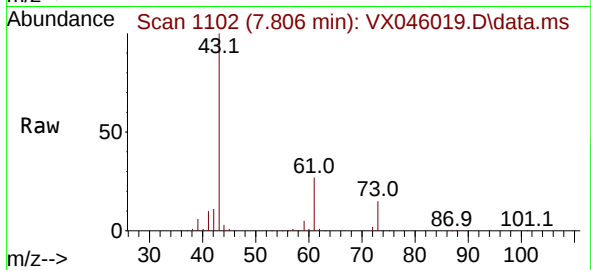




#49
1,4-Dioxane
Concen: 0.785 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

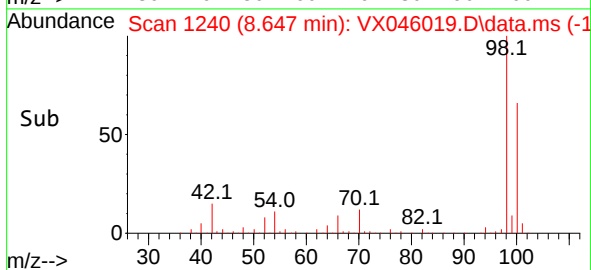
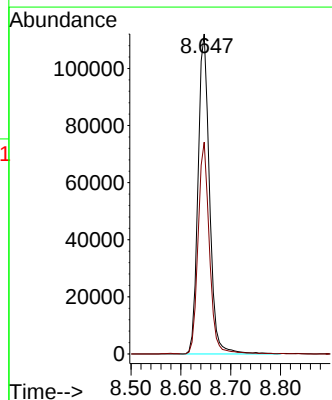
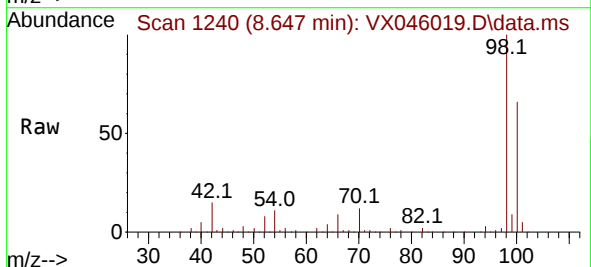
Instrument :
MSVOA_X
ClientSampleId :
WC-12

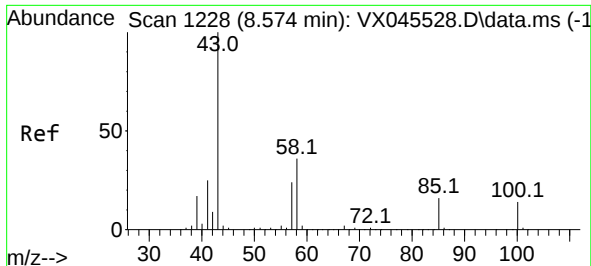
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 2173231.6 32.2 48.4#
58 9957.9 58.6 88.0#



#50
Toluene-d8
Concen: 51.096 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

Tgt Ion: 98 Resp: 179100
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4

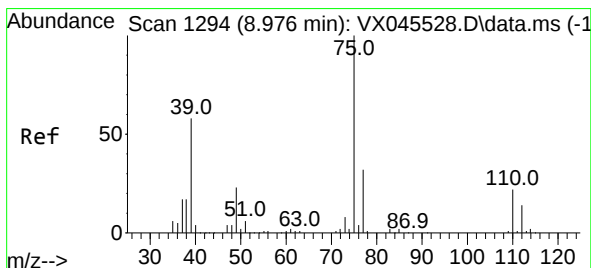
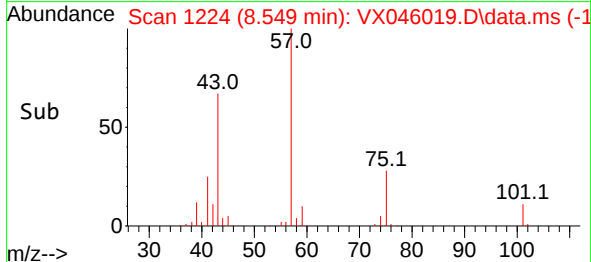
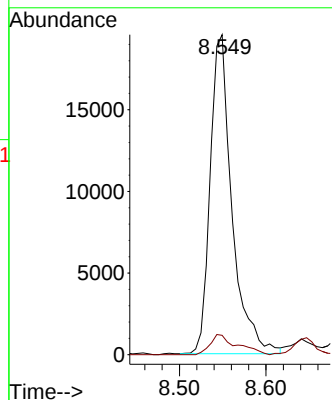
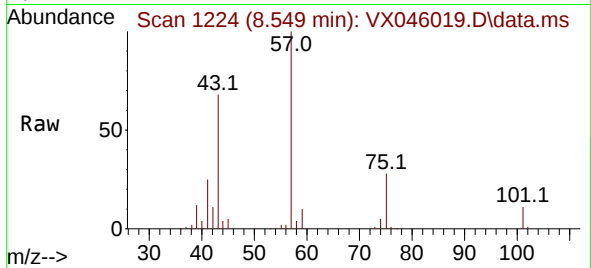




#51
4-Methyl-2-Pentanone
Concen: 19.904 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

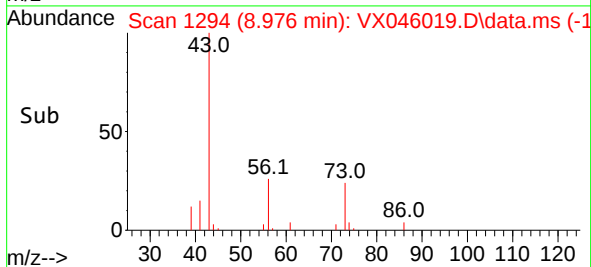
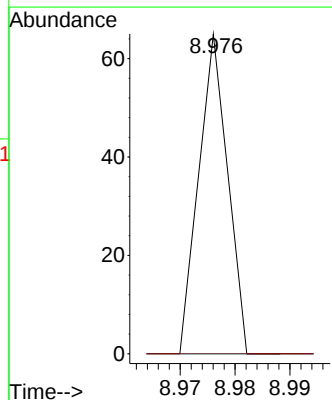
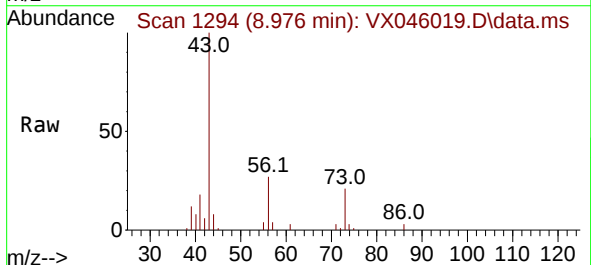
Instrument :
MSVOA_X
ClientSampleId :
WC-12

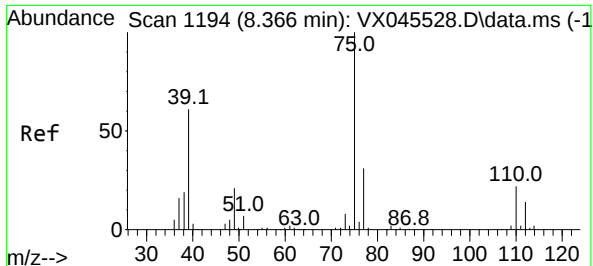
Tgt Ion: 43 Resp: 34171
Ion Ratio Lower Upper
43 100
58 7.8 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.304 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

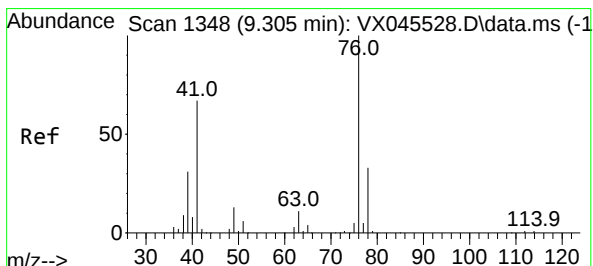
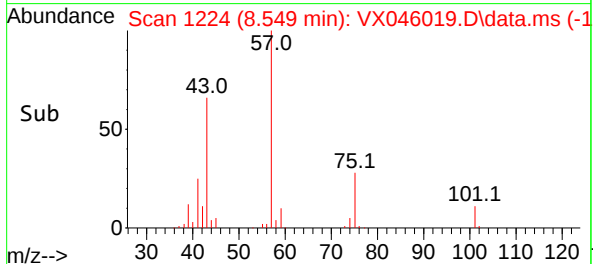
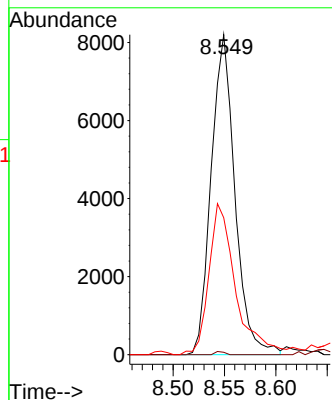
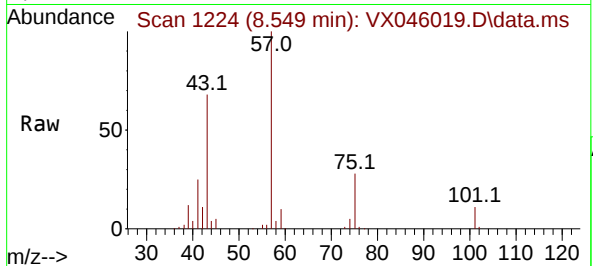




#54
 cis-1,3-Dichloropropene
 Concen: 8.867 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX046019.D
 Acq: 02 May 2025 11:55

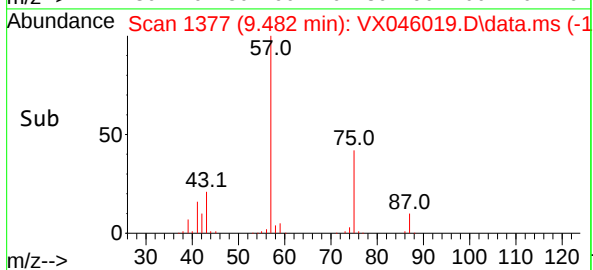
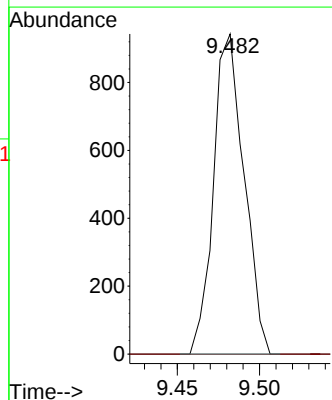
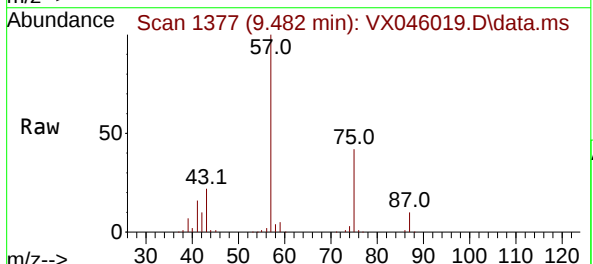
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12

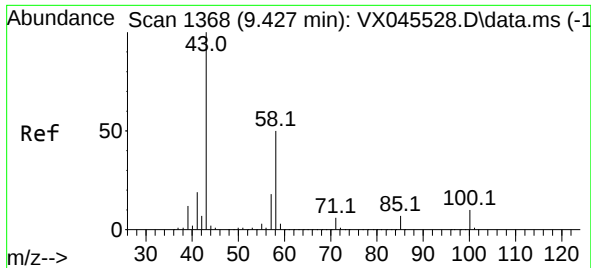
Tgt Ion: 75 Resp: 13198
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.6 36.8#
 39 42.8 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.700 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046019.D
 Acq: 02 May 2025 11:55

Tgt Ion: 76 Resp: 1218
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

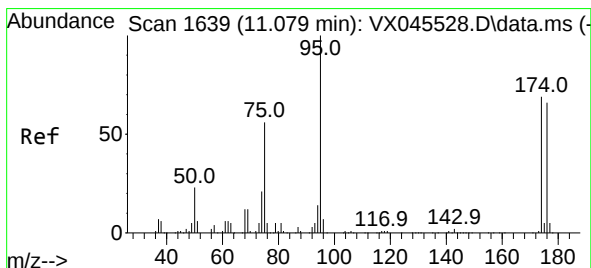
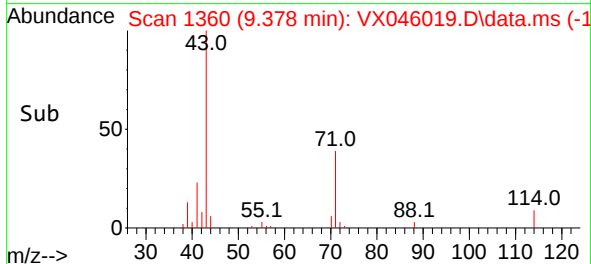
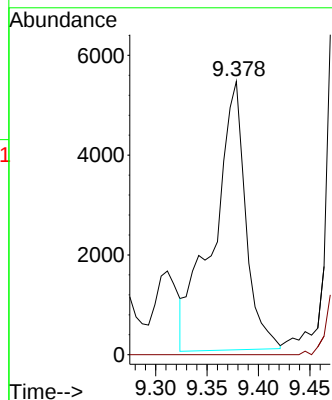
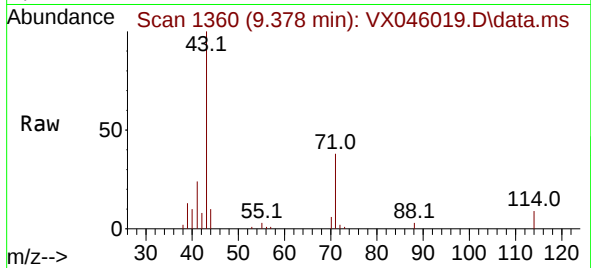




#59
2-Hexanone
Concen: 9.167 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

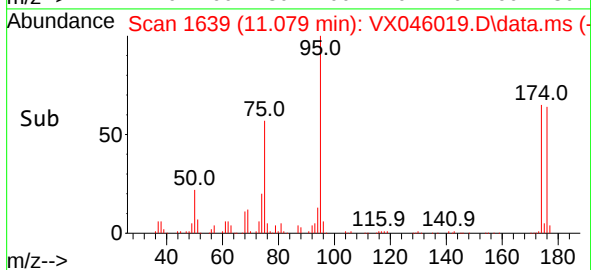
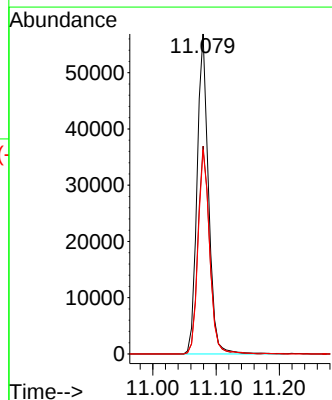
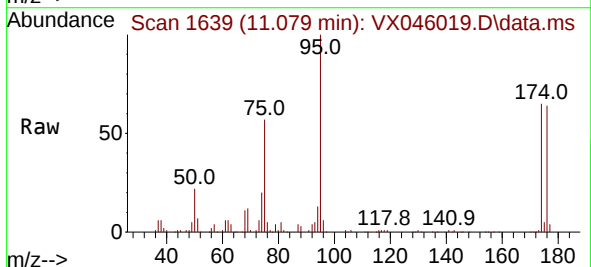
Instrument :
MSVOA_X
ClientSampleId :
WC-12

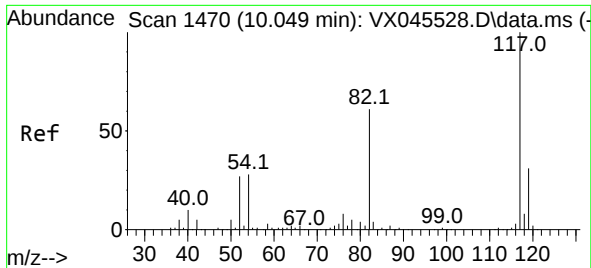
Tgt Ion: 43 Resp: 11654
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 55.915 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

Tgt Ion: 95 Resp: 71389
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.8
176 64.6 0.0 131.4

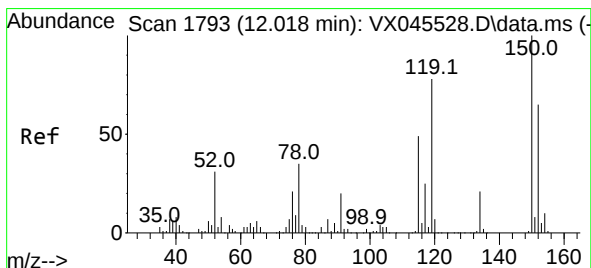
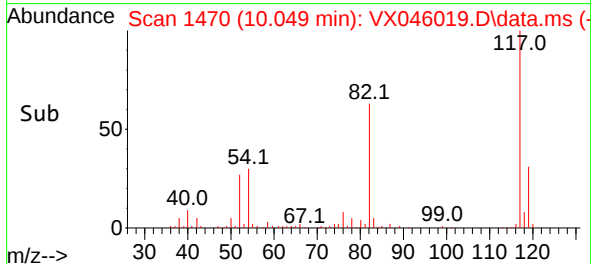
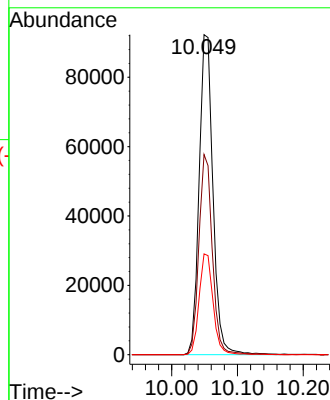
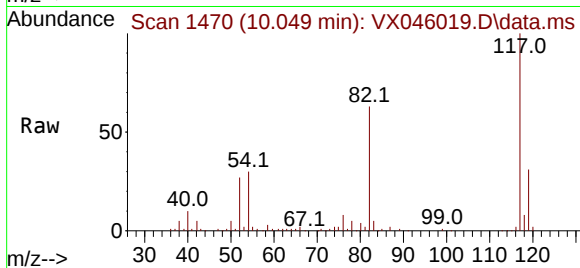




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

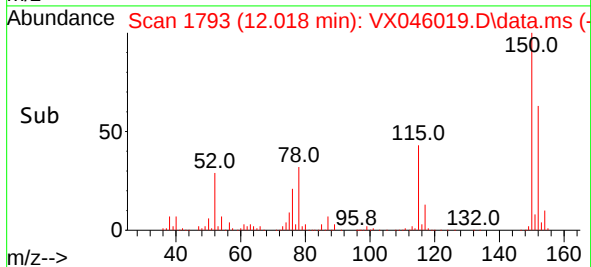
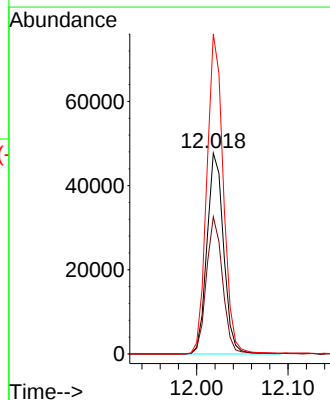
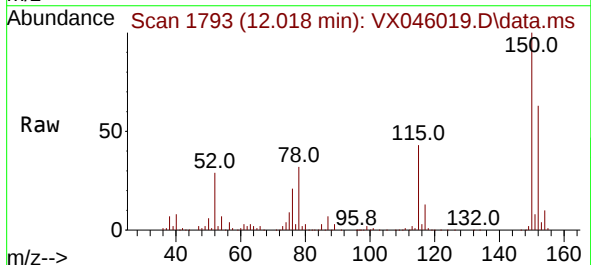
Instrument :
MSVOA_X
ClientSampleId :
WC-12

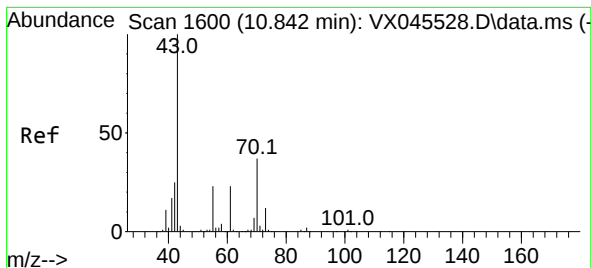
Tgt Ion:117 Resp: 134737
Ion Ratio Lower Upper
117 100
82 62.6 49.2 73.8
119 31.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046019.D
Acq: 02 May 2025 11:55

Tgt Ion:152 Resp: 60022
Ion Ratio Lower Upper
152 100
115 66.8 46.9 140.7
150 158.1 0.0 349.4





#74

N-amy1 acetate

Concen: 0.267 ug/l

RT: 10.872 min Scan# 1

Delta R.T. 0.031 min

Lab File: VX046019.D

Acq: 02 May 2025 11:55

Instrument :

MSVOA_X

ClientSampleId :

WC-12

Tgt Ion: 43 Resp: 614

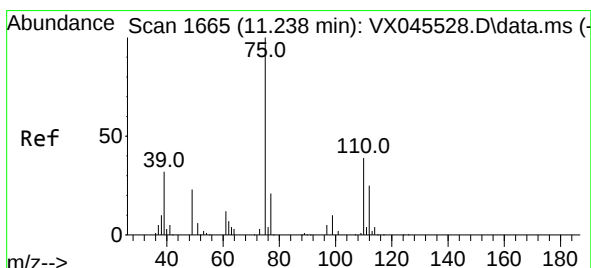
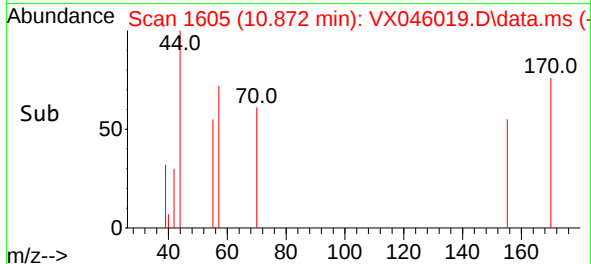
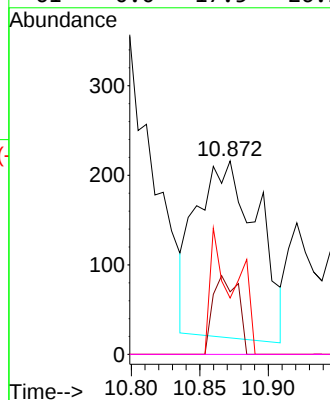
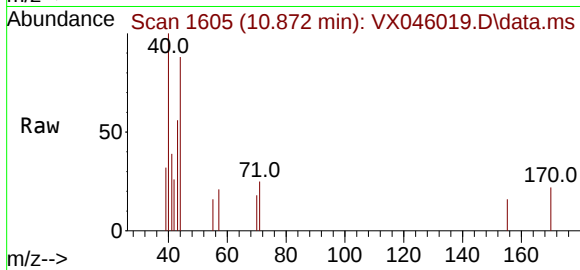
Ion Ratio Lower Upper

43 100

70 18.1 30.1 45.1#

55 17.1 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 27.804 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX046019.D

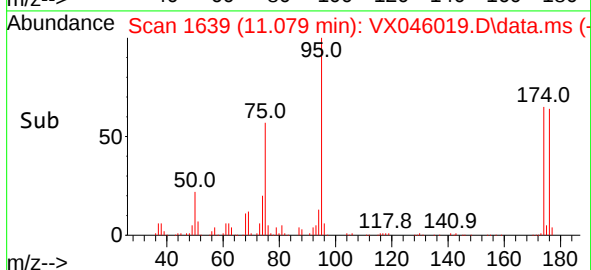
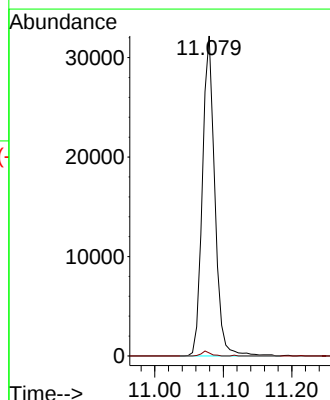
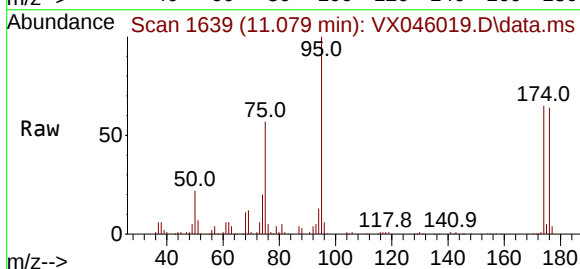
Acq: 02 May 2025 11:55

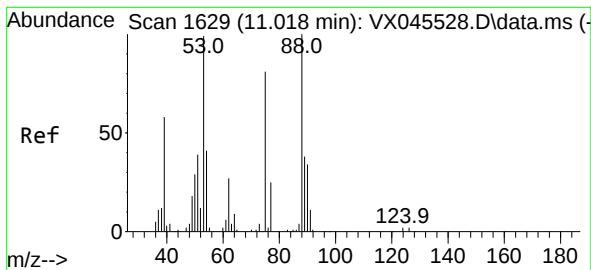
Tgt Ion: 75 Resp: 40707

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.363 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046019.D
 Acq: 02 May 2025 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12

Tgt Ion: 75 Resp: 40707
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

