

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030723\
 Data File : VX034365.D
 Acq On : 07 Mar 2023 12:14
 Operator : JC/MD
 Sample : 01821-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-IDW-S-1

Quant Time: Mar 08 01:01:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

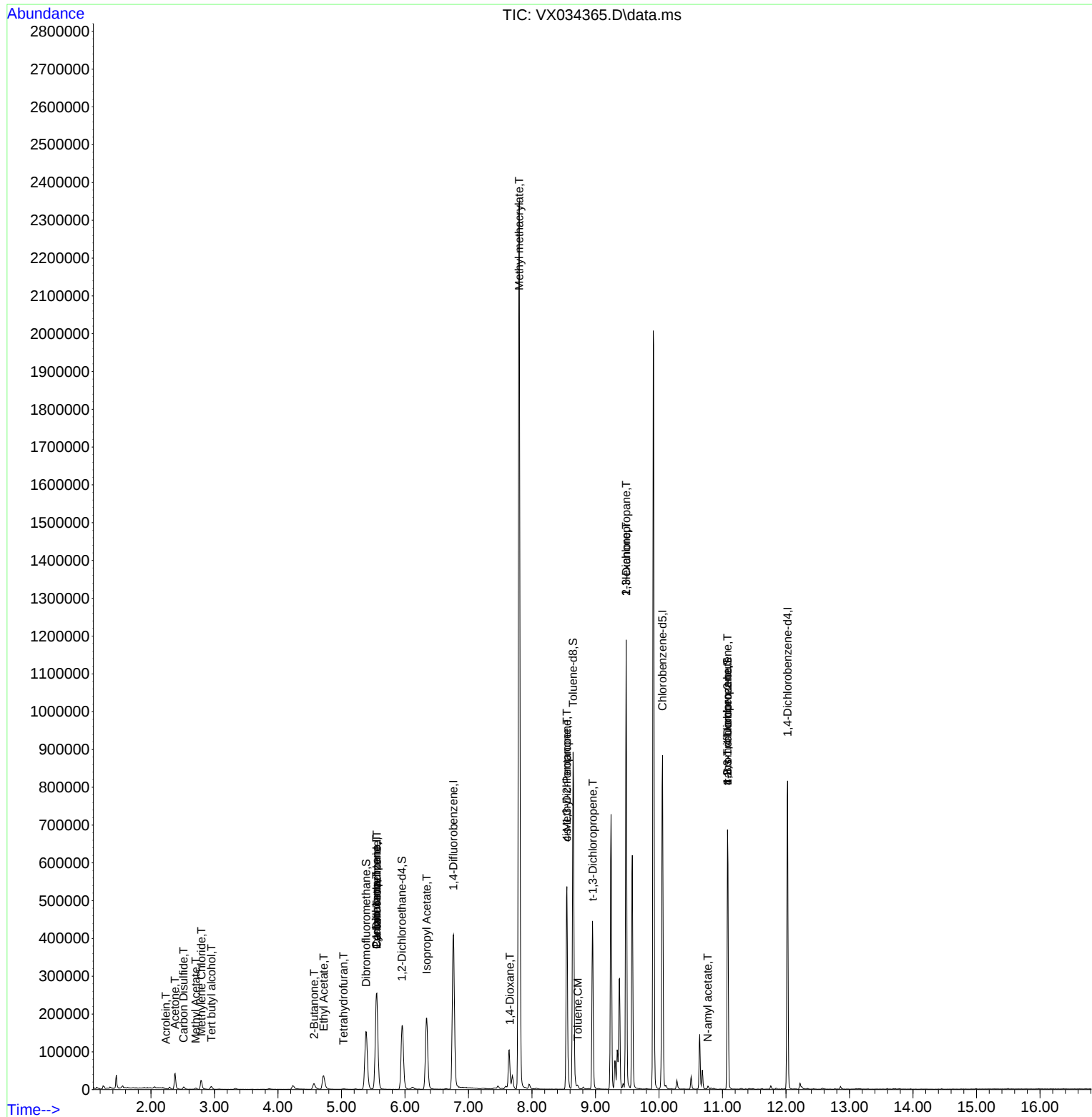
Internal Standards						
1) Pentafluorobenzene	5.556	168	250710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	428573	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	160156	47.433	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.860%		
35) Dibromofluoromethane	5.385	113	134499	48.200	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.400%		
50) Toluene-d8	8.647	98	515140	51.418	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.840%		
62) 4-Bromofluorobenzene	11.079	95	180308	47.051	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.100%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	227	Below Cal	#	80
11) Tert butyl alcohol	2.953	59	6967	9.225	ug/l #	92
13) Acrolein	2.233	56	451	1.308	ug/l #	62
16) Acetone	2.380	43	44519	25.560	ug/l	92
17) Carbon Disulfide	2.514	76	6104	0.783	ug/l	97
18) Methyl Acetate	2.703	43	4678	0.868	ug/l	98
20) Methylene Chloride	2.794	84	11769	3.750	ug/l	93
25) 2-Butanone	4.568	43	24251	9.623	ug/l	98
29) Tetrahydrofuran	5.032	42	1636	1.064	ug/l #	69
31) Cyclohexane	5.550	56	5571	1.105	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	19480	4.720	ug/l #	48
37) Ethyl Acetate	4.721	43	65864	14.281	ug/l	99
38) Carbon Tetrachloride	5.556	117	24787	5.837	ug/l #	14
43) Isopropyl Acetate	6.342	43	271821	33.398	ug/l	99
48) Methyl methacrylate	7.799	41	201536	52.172	ug/l #	46
49) 1,4-Dioxane	7.653	88	53	0.688	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	190016	42.435	ug/l #	50
52) Toluene	8.720	92	2383	0.322	ug/l	84
53) t-1,3-Dichloropropene	8.958	75	1038	0.205	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	86789	16.018	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	9575	1.840	ug/l #	43
59) 2-Hexanone	9.482	43	137775	40.373	ug/l #	50
74) N-amyl acetate	10.768	43	4536	0.703	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	92466	21.804	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	92466	56.011	ug/l #	8

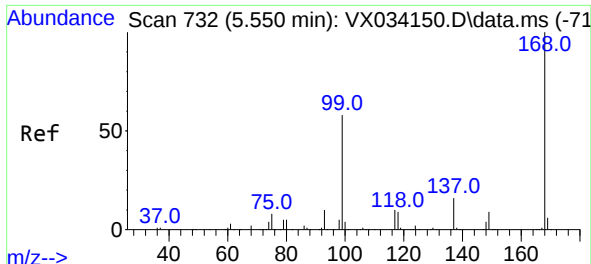
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 17 12:33:35 2023
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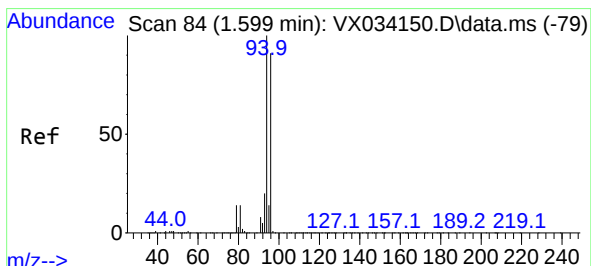
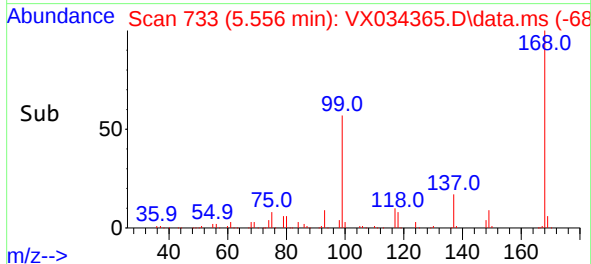
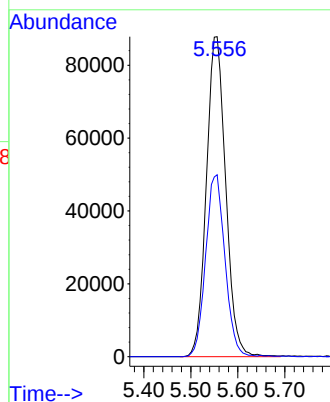
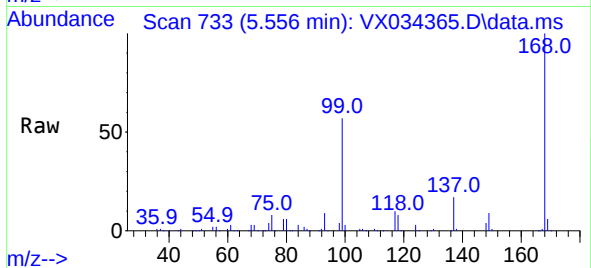




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

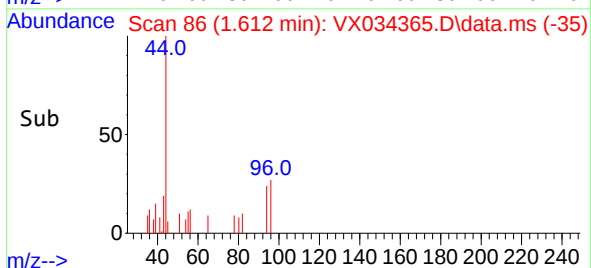
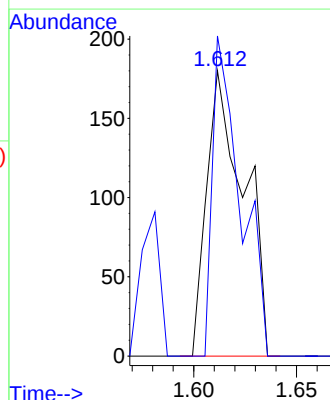
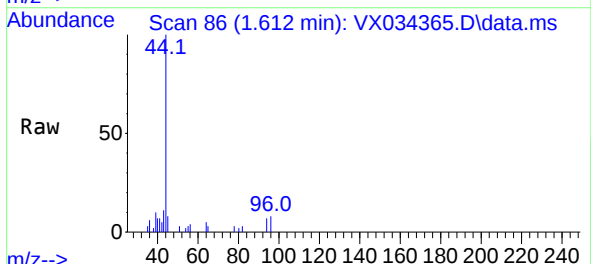
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

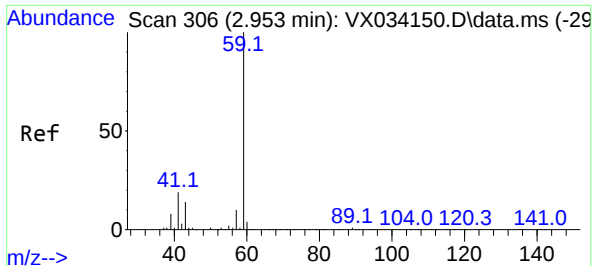
Tgt Ion:168 Resp: 250710
Ion Ratio Lower Upper
168 100
99 56.9 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 94 Resp: 227
Ion Ratio Lower Upper
94 100
96 112.2 74.3 111.5#

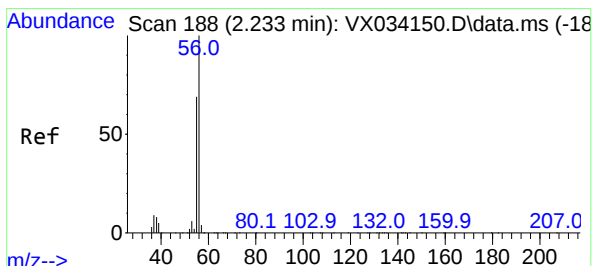
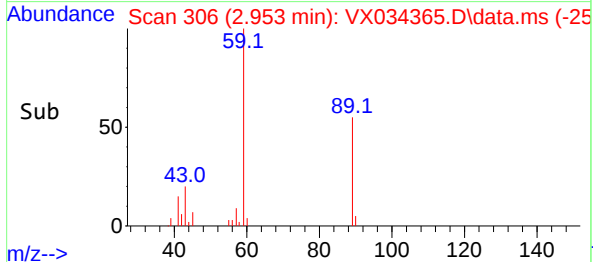
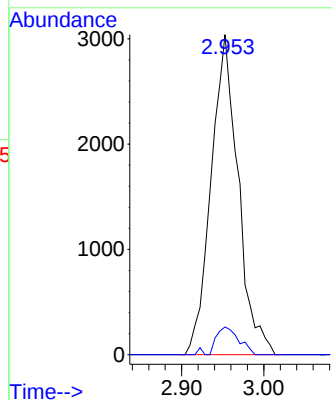
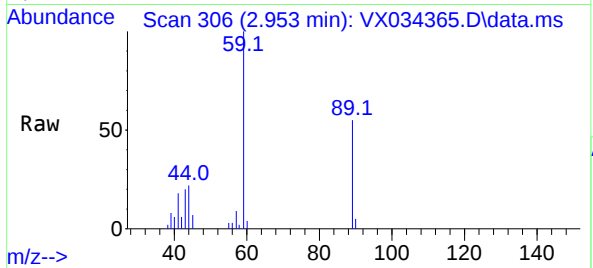




#11
Tert butyl alcohol
Concen: 9.225 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

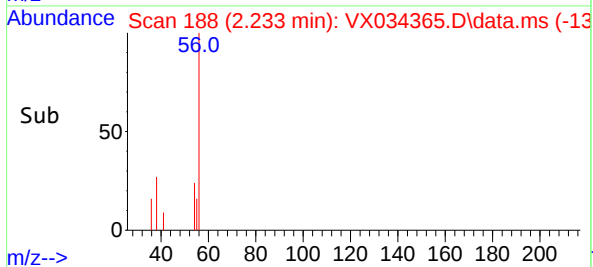
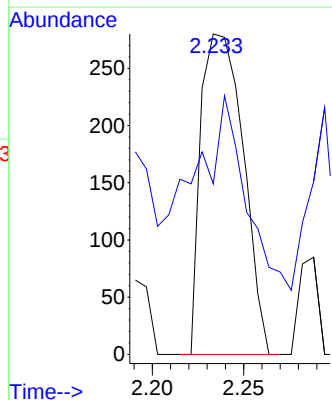
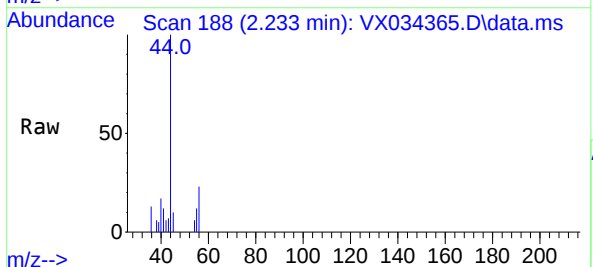
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

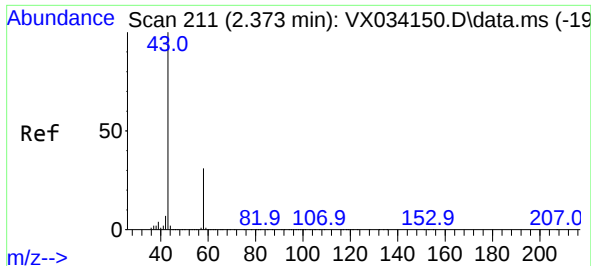
Tgt Ion: 59 Resp: 6967
Ion Ratio Lower Upper
59 100
57 7.1 3.7 5.5#



#13
Acrolein
Concen: 1.308 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 56 Resp: 451
Ion Ratio Lower Upper
56 100
55 101.8 56.3 84.5#

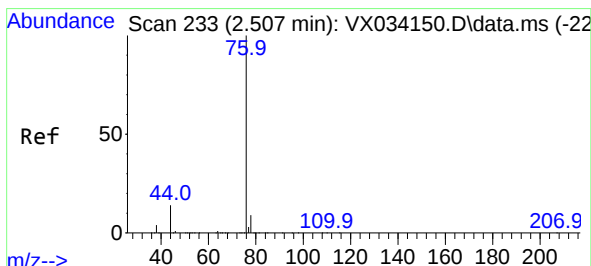
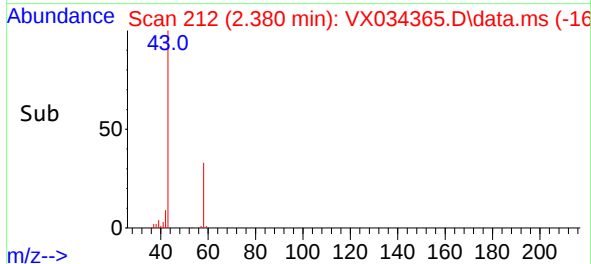
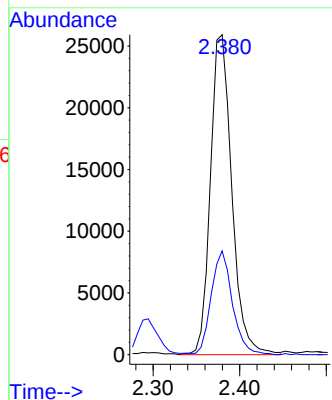
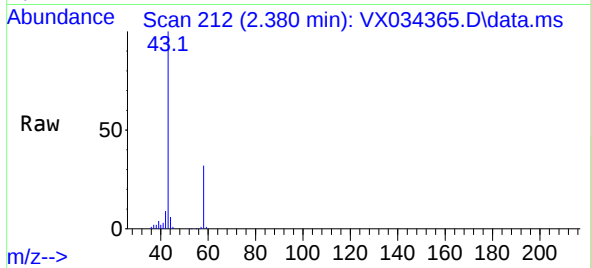




#16
Acetone
Concen: 25.560 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

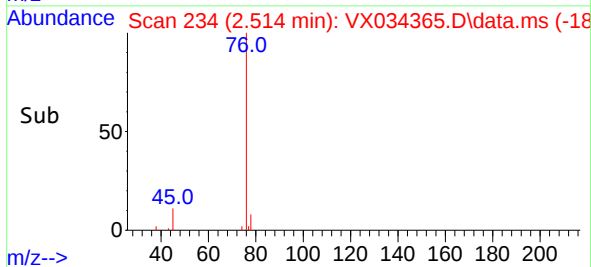
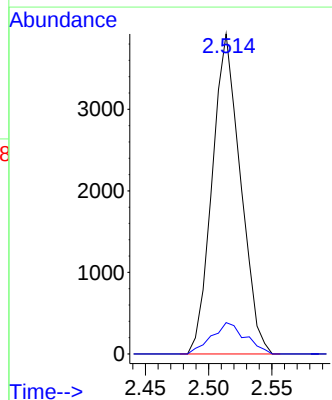
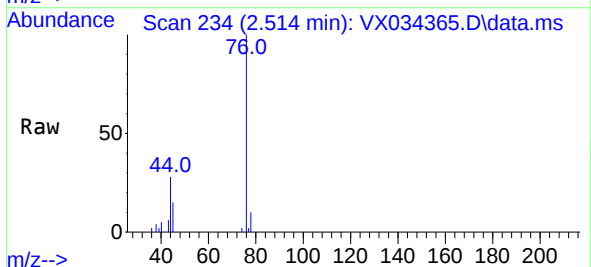
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

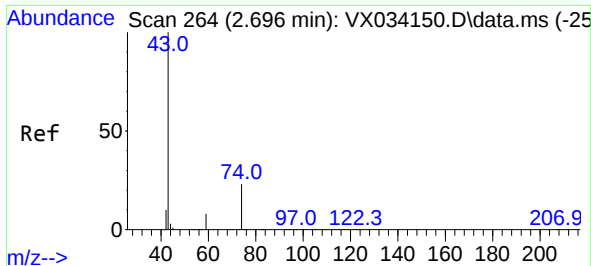
Tgt Ion: 43 Resp: 44519
Ion Ratio Lower Upper
43 100
58 32.4 22.6 33.8



#17
Carbon Disulfide
Concen: 0.783 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 76 Resp: 6104
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6

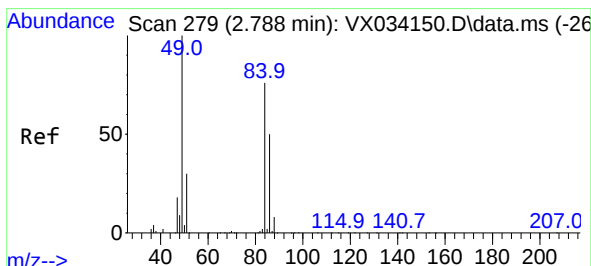
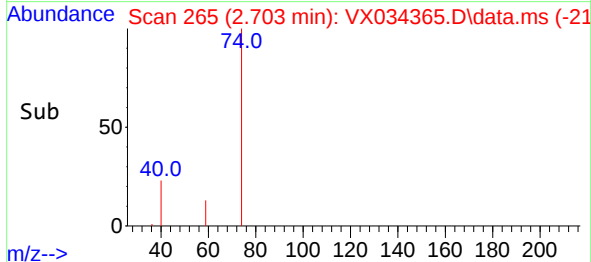
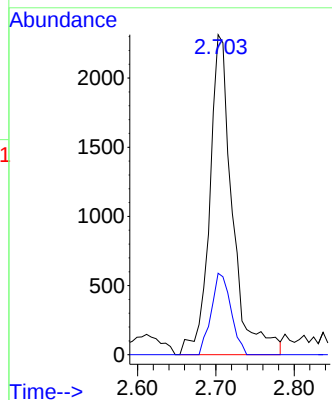
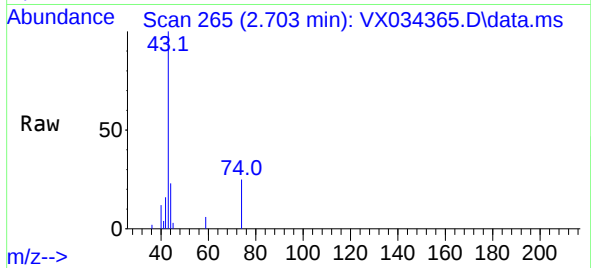




#18
Methyl Acetate
Concen: 0.868 ug/l
RT: 2.703 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

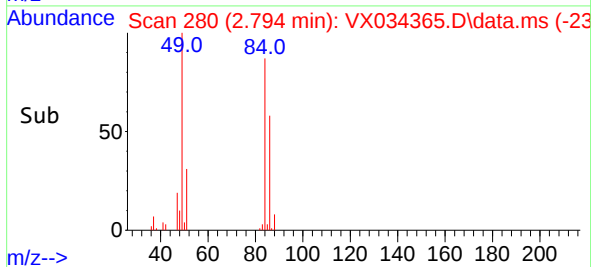
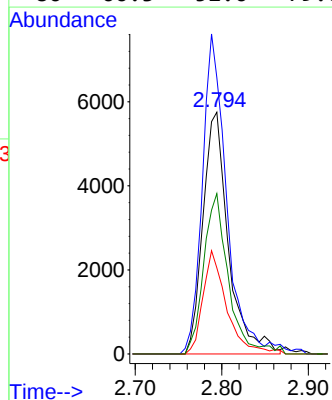
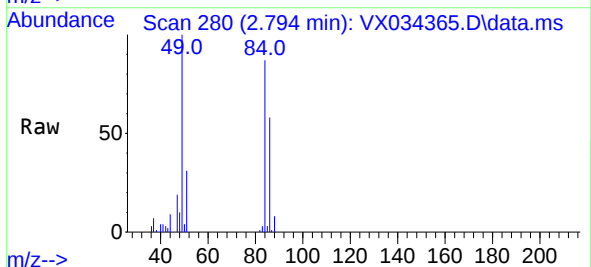
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

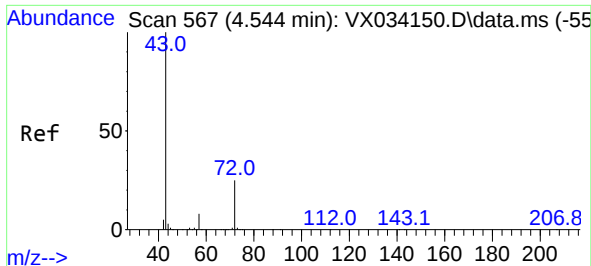
Tgt Ion: 43 Resp: 4678
Ion Ratio Lower Upper
43 100
74 21.9 18.2 27.4



#20
Methylene Chloride
Concen: 3.750 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 84 Resp: 11769
Ion Ratio Lower Upper
84 100
49 114.3 101.1 151.7
51 35.6 31.0 46.6
86 66.3 52.6 79.0

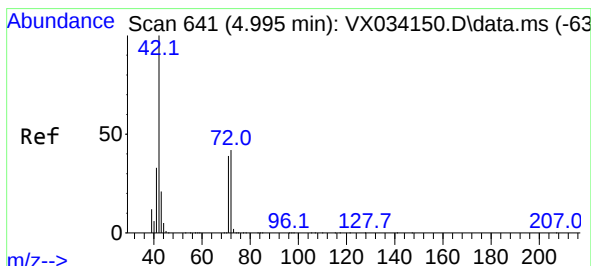
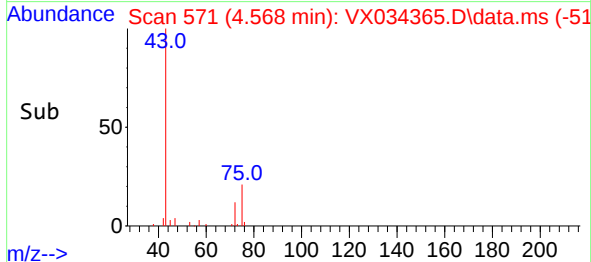
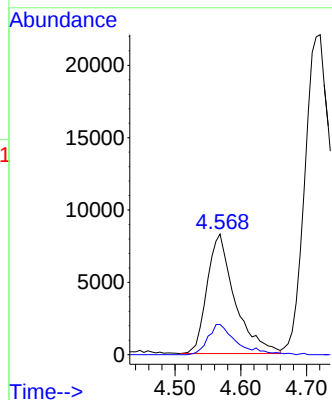
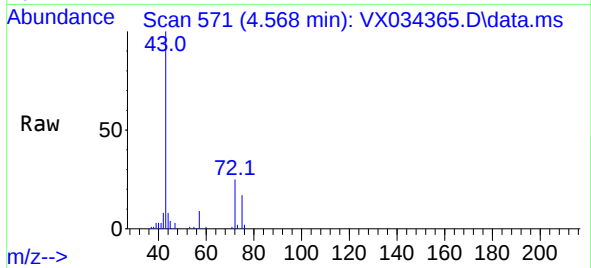




#25
2-Butanone
Concen: 9.623 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

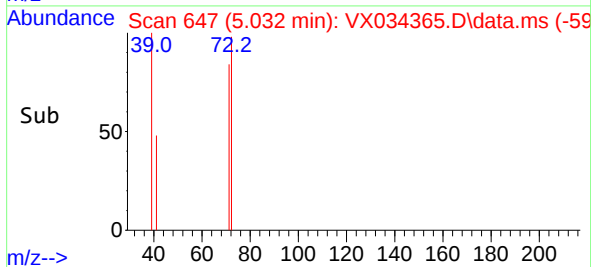
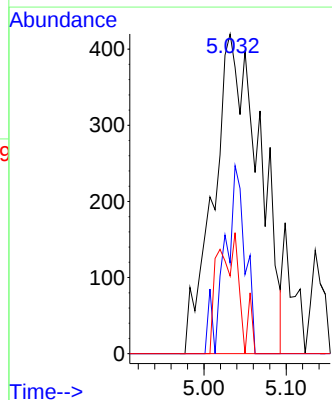
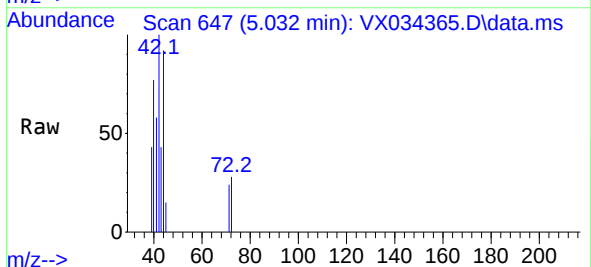
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ClientSampleId :
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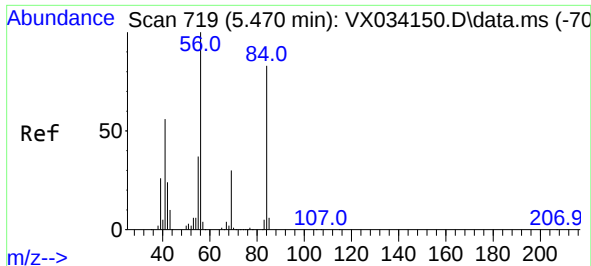
Tgt Ion: 43 Resp: 24251
Ion Ratio Lower Upper
43 100
72 25.3 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.064 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.037 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 42 Resp: 1636
Ion Ratio Lower Upper
42 100
72 25.9 34.8 52.2#
71 17.9 32.2 48.2#

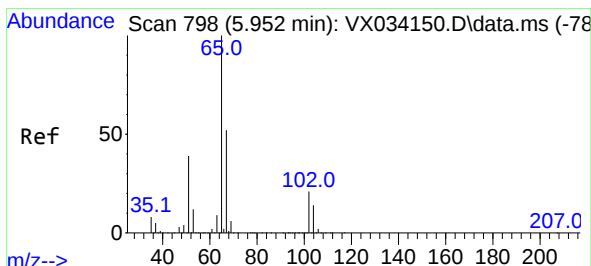
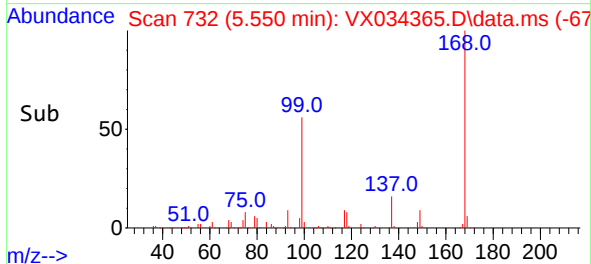
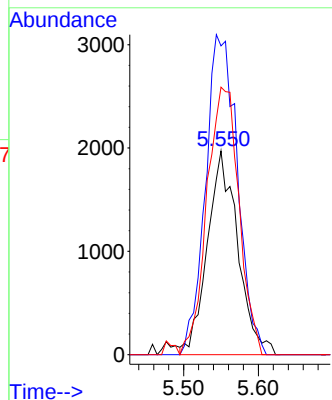
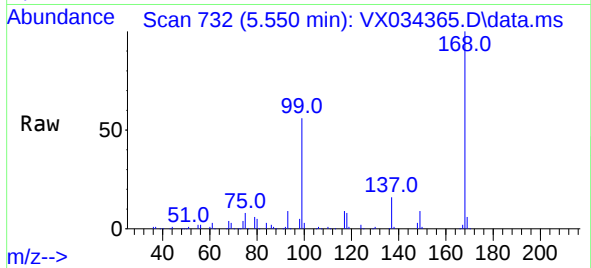




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

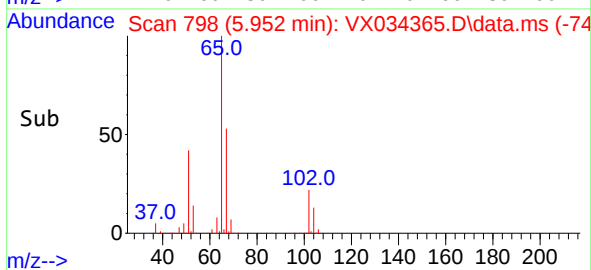
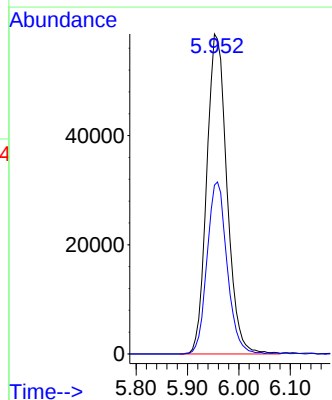
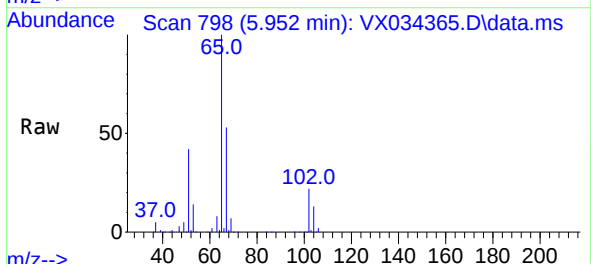
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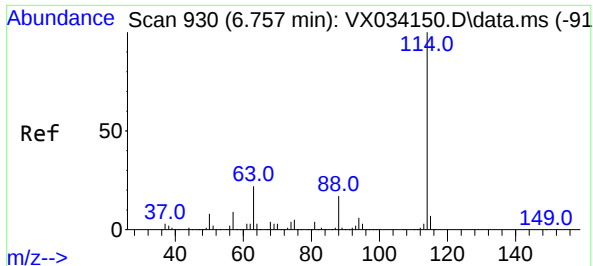
Tgt Ion: 56 Resp: 5571
Ion Ratio Lower Upper
56 100
69 151.6 24.6 37.0#
84 131.4 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 47.433 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 65 Resp: 160156
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8

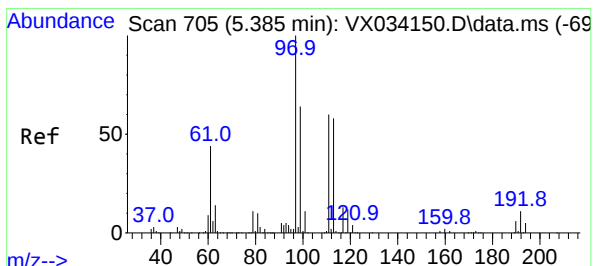
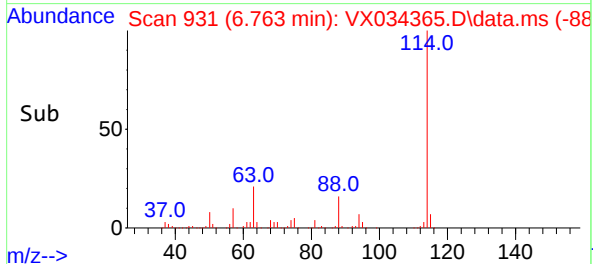
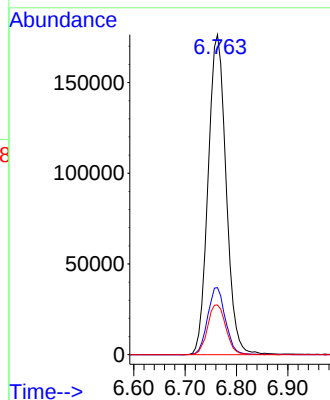
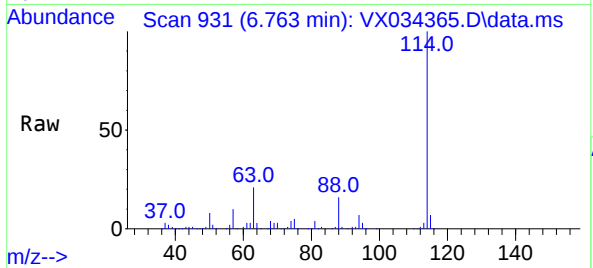




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

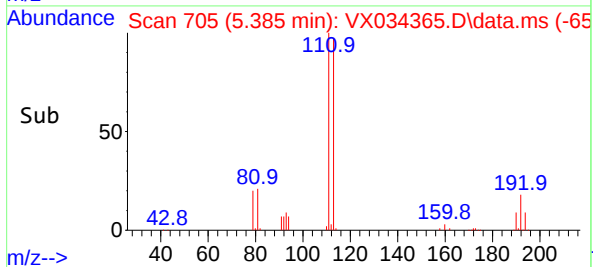
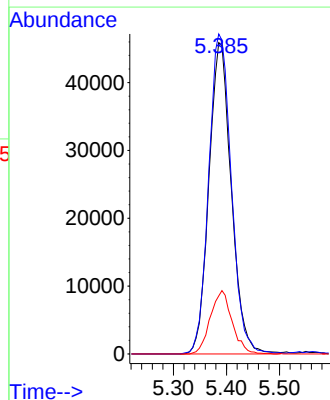
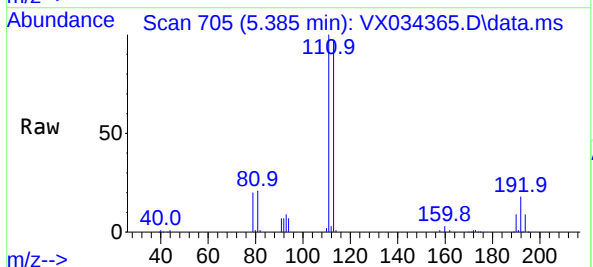
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

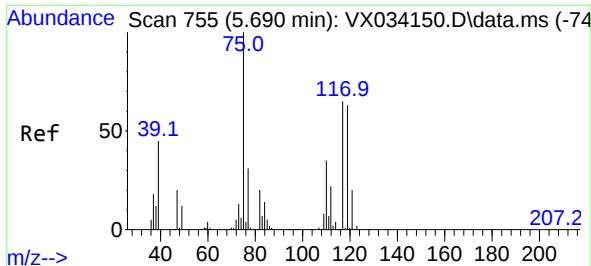
Tgt Ion:114 Resp: 428573
Ion Ratio Lower Upper
114 100
63 21.0 0.0 37.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.200 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion:113 Resp: 134499
Ion Ratio Lower Upper
113 100
111 103.9 83.0 124.6
192 19.8 19.0 28.4

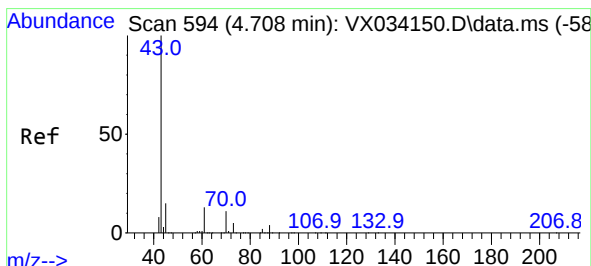
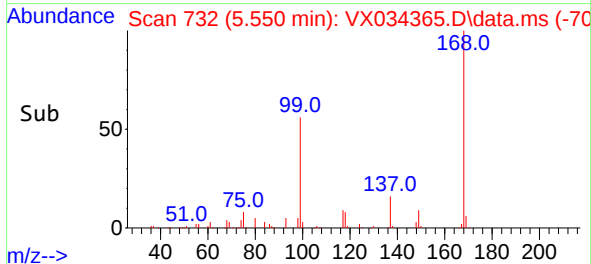
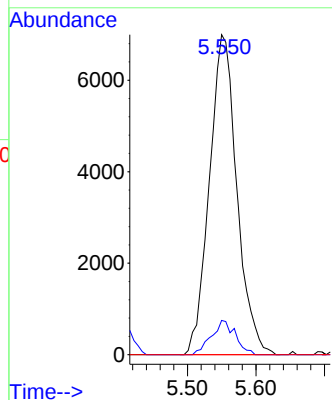
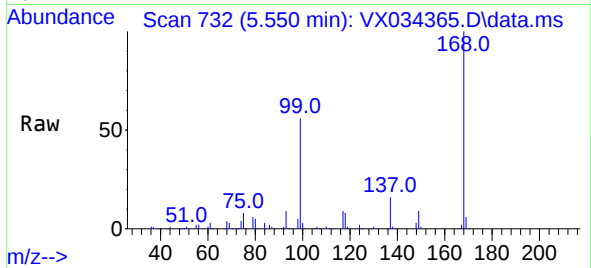




#36
1,1-Dichloropropene
Concen: 4.720 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

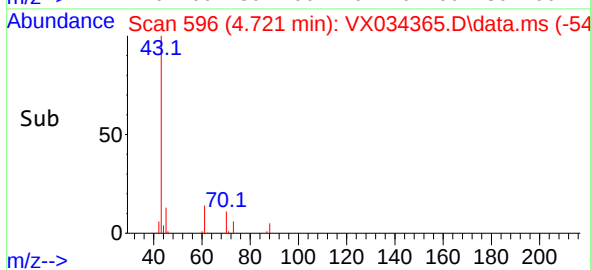
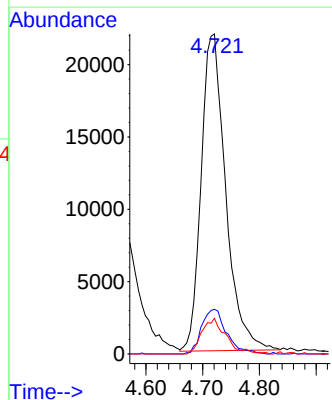
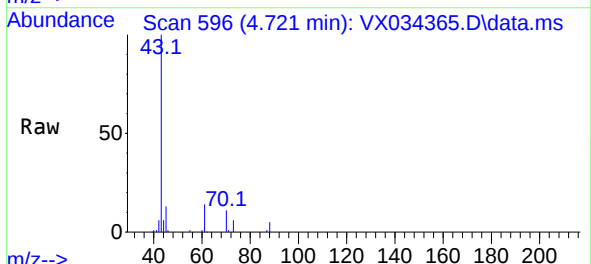
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

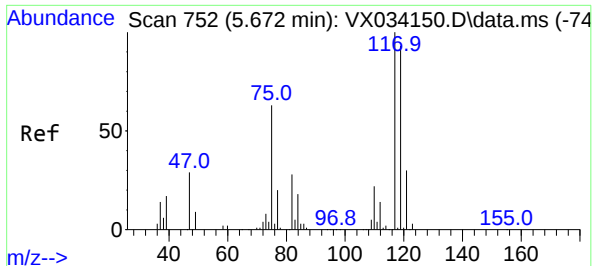
Tgt Ion: 75 Resp: 19480
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 14.281 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.012 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

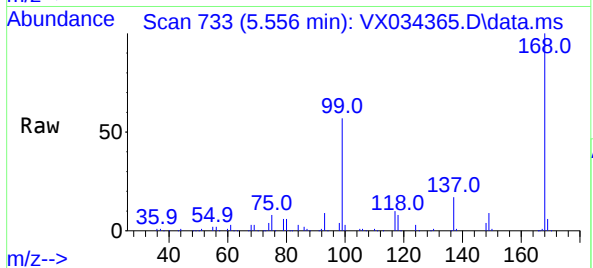
Tgt Ion: 43 Resp: 65864
Ion Ratio Lower Upper
43 100
61 14.3 11.1 16.7
70 11.1 8.5 12.7



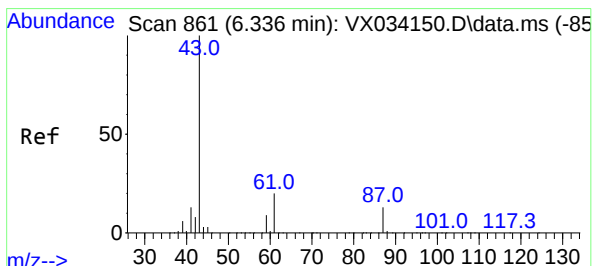
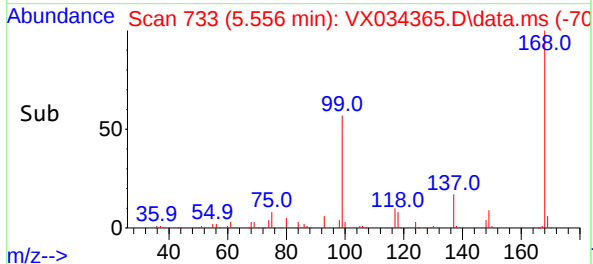
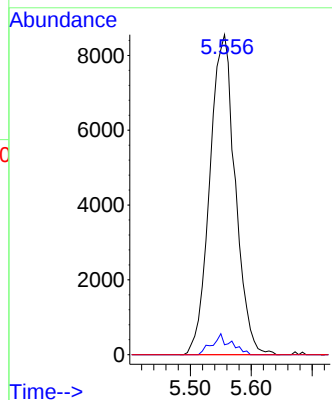


#38
Carbon Tetrachloride
Concen: 5.837 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

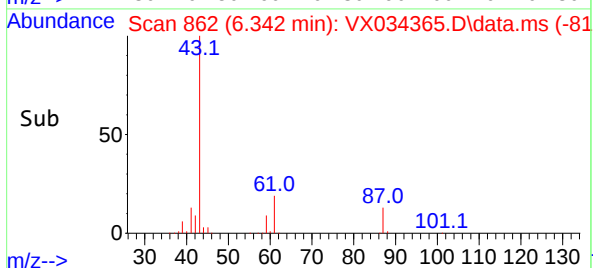
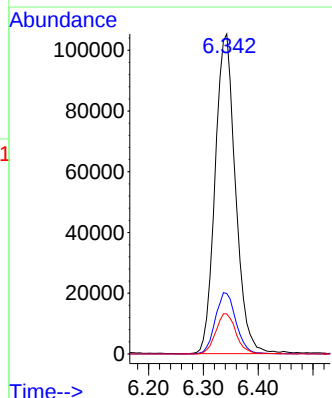
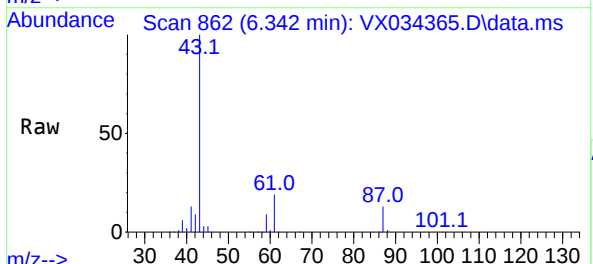


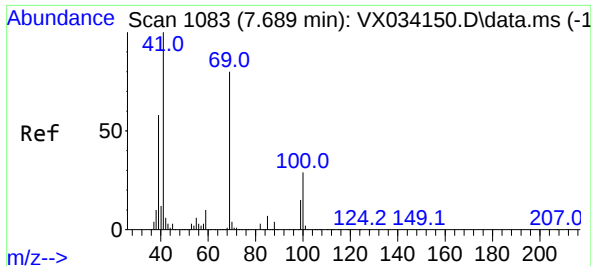
Tgt Ion:117 Resp: 24787
Ion Ratio Lower Upper
117 100
119 3.1 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 33.398 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 43 Resp: 271821
Ion Ratio Lower Upper
43 100
61 19.5 15.7 23.5
87 12.6 10.6 15.8

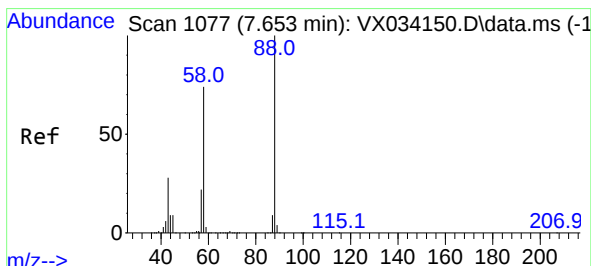
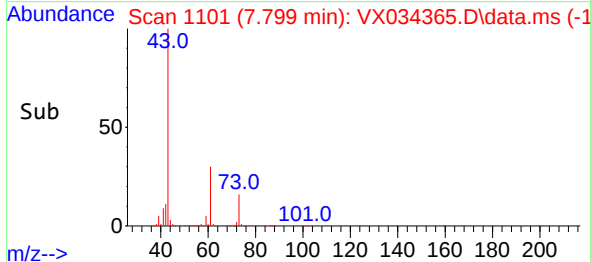
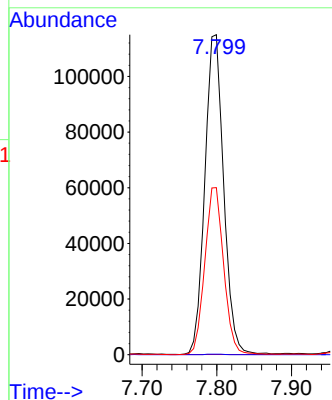
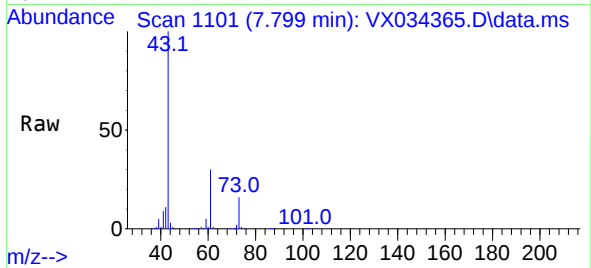




#48
Methyl methacrylate
Concen: 52.172 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

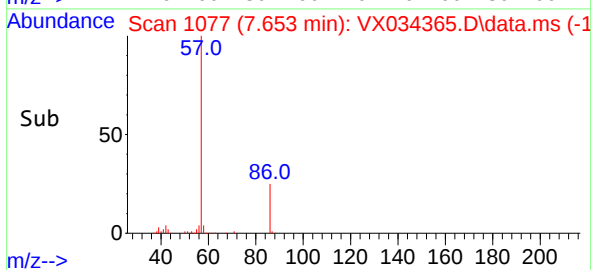
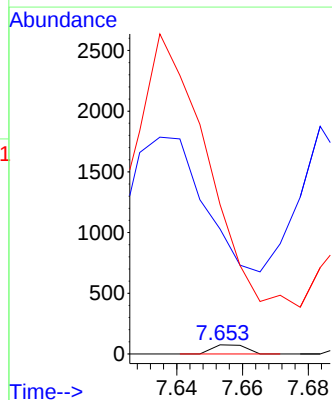
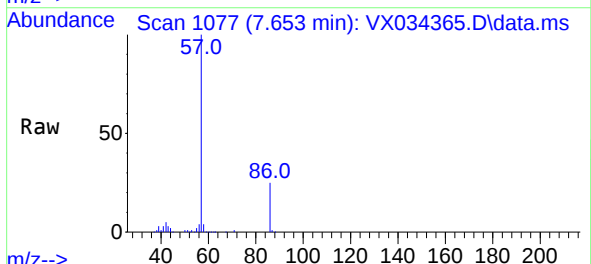
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

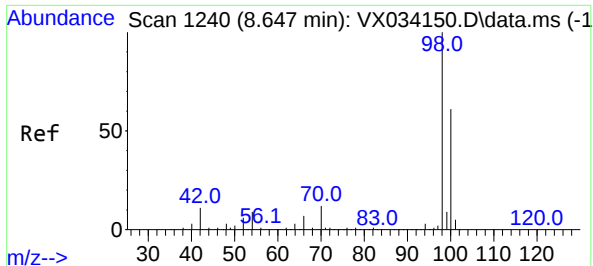
Tgt Ion: 41 Resp: 201536
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 52.5 43.2 64.8



#49
1,4-Dioxane
Concen: 0.688 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 9071.7 56.5 84.7#

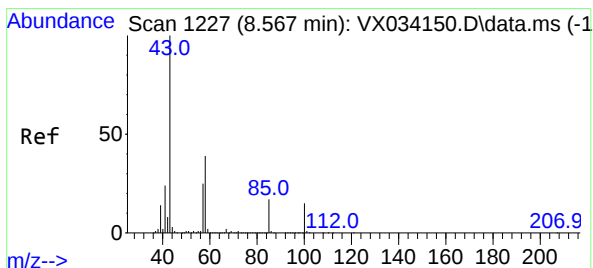
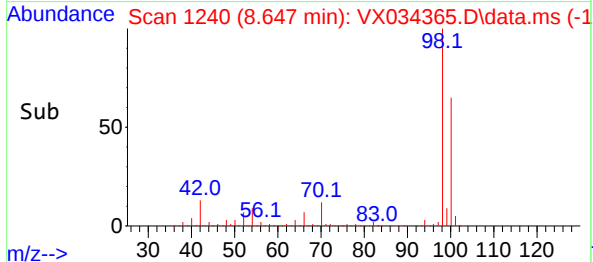
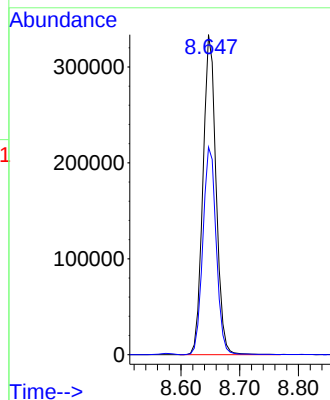
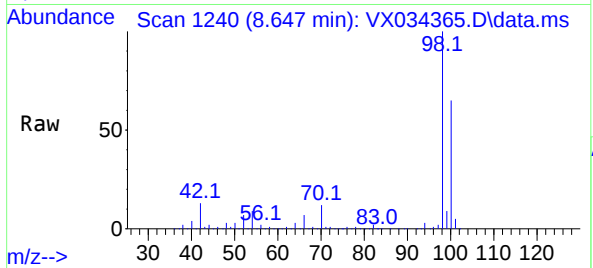




#50
Toluene-d8
Concen: 51.418 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

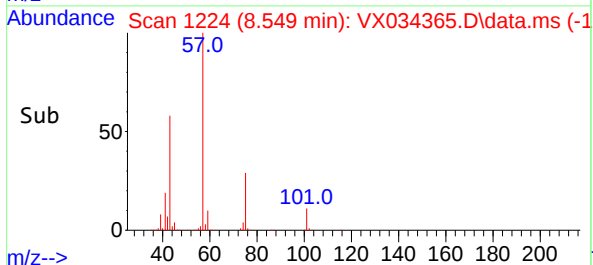
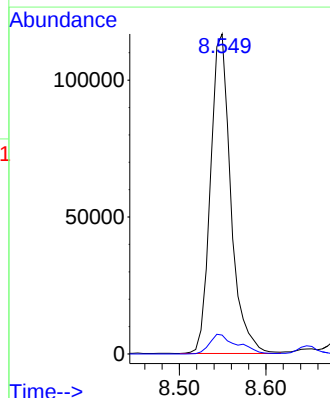
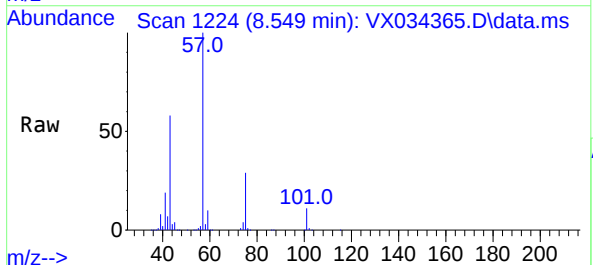
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

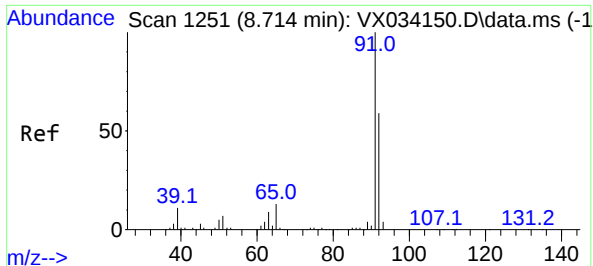
Tgt Ion: 98 Resp: 515140
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 42.435 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 43 Resp: 190016
Ion Ratio Lower Upper
43 100
58 8.4 31.2 46.8#

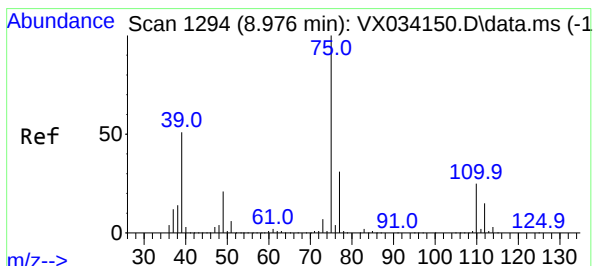
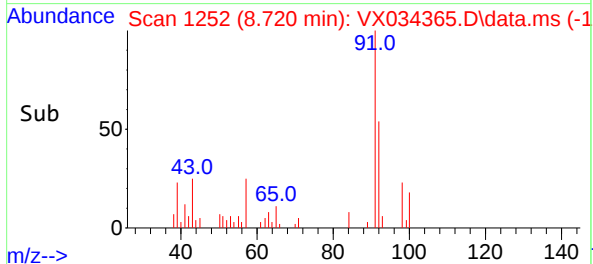
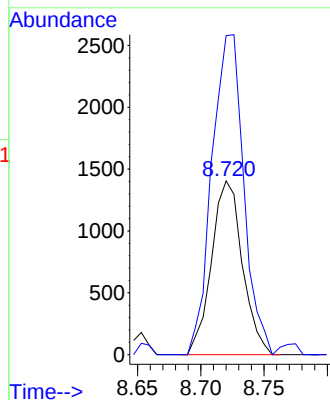
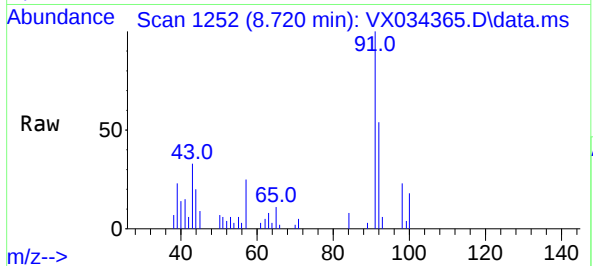




#52
Toluene
Concen: 0.322 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

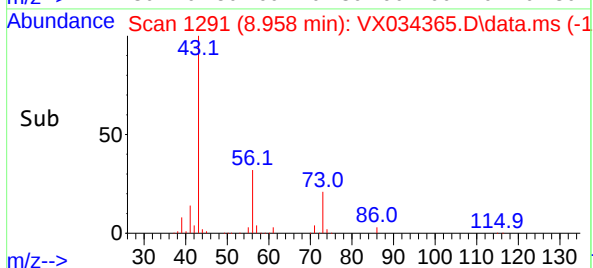
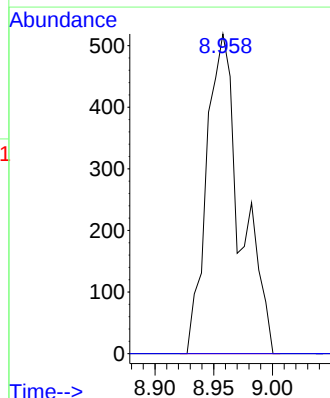
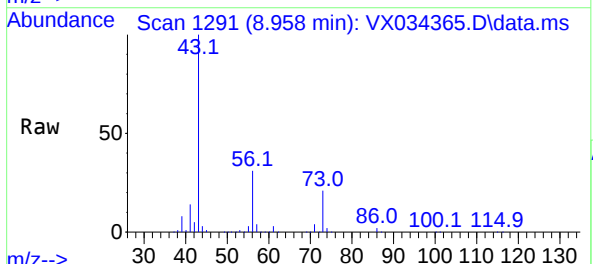
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

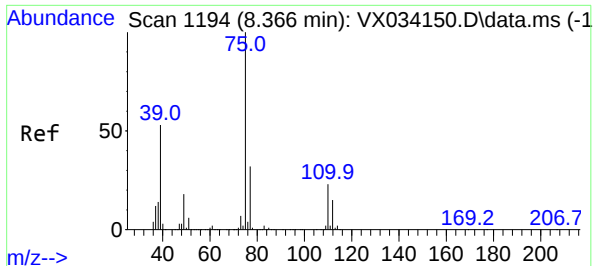
Tgt Ion: 92 Resp: 2383
Ion Ratio Lower Upper
92 100
91 191.1 135.5 203.3



#53
t-1,3-Dichloropropene
Concen: 0.205 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 75 Resp: 1038
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

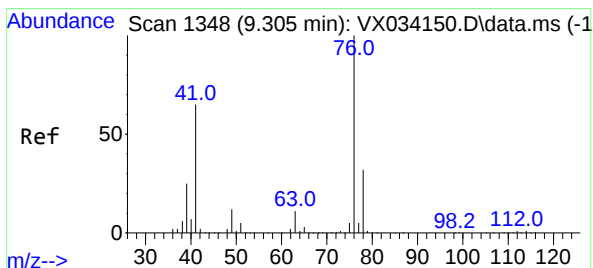
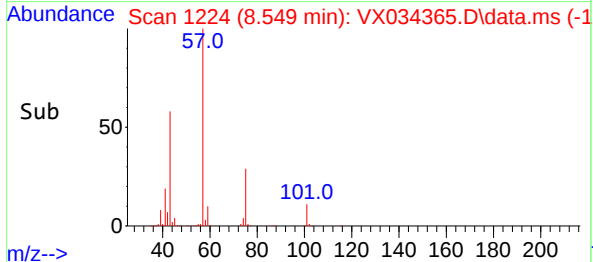
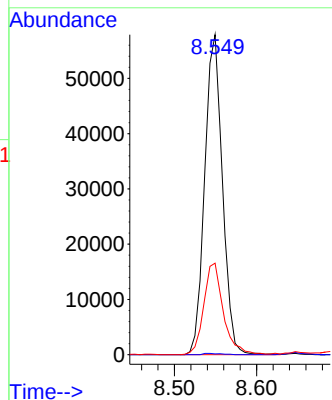
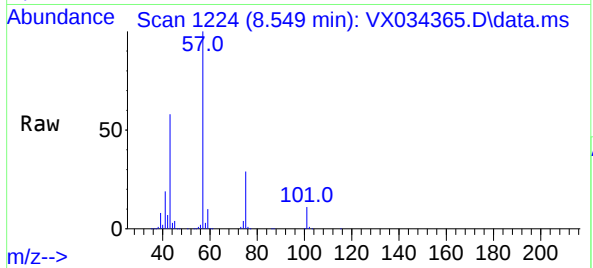




#54
cis-1,3-Dichloropropene
Concen: 16.018 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

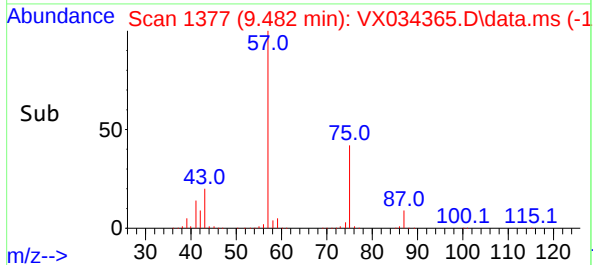
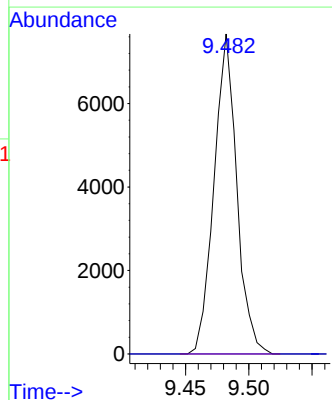
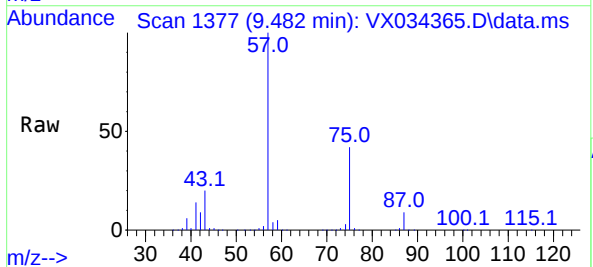
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

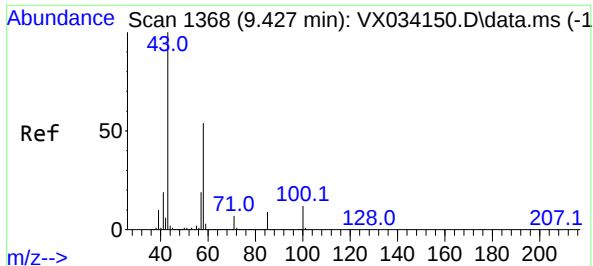
Tgt Ion: 75 Resp: 86789
Ion Ratio Lower Upper
75 100
77 0.3 25.0 37.6#
39 28.6 38.6 58.0#



#57
1,3-Dichloropropane
Concen: 1.840 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion: 76 Resp: 9575
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 40.373 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034365.D

Acq: 07 Mar 2023 12:14

Instrument :

MSVOA_X

ClientSampleId :

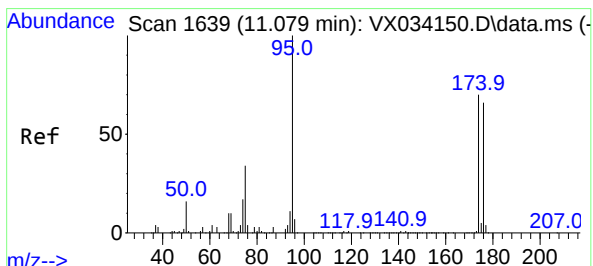
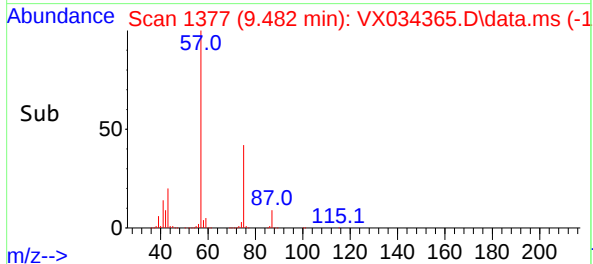
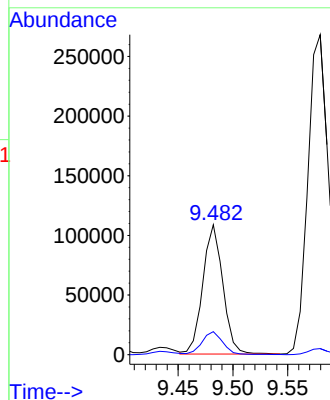
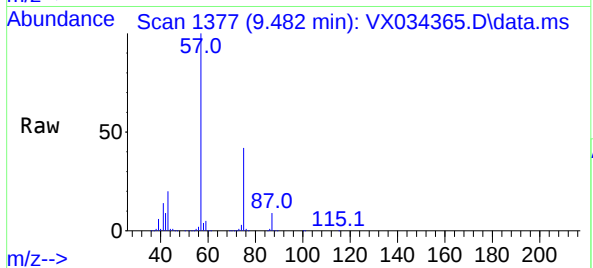
WC-IDW-S-1

Tgt Ion: 43 Resp: 137775

Ion Ratio Lower Upper

43 100

58 18.6 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 47.051 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034365.D

Acq: 07 Mar 2023 12:14

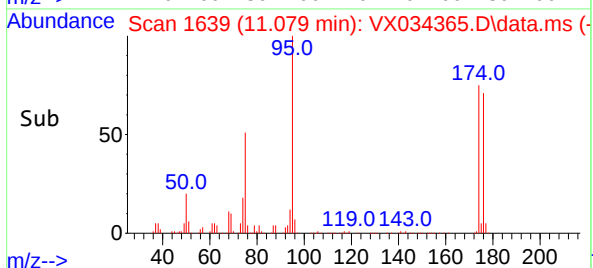
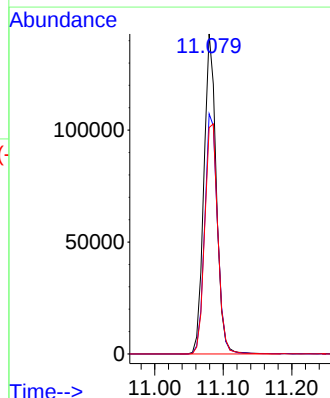
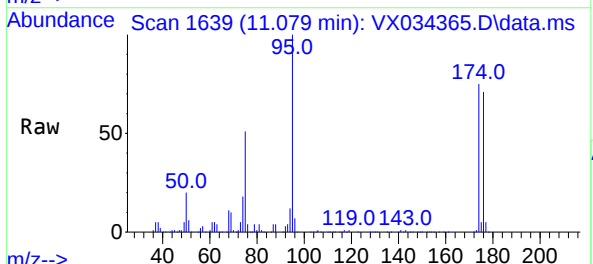
Tgt Ion: 95 Resp: 180308

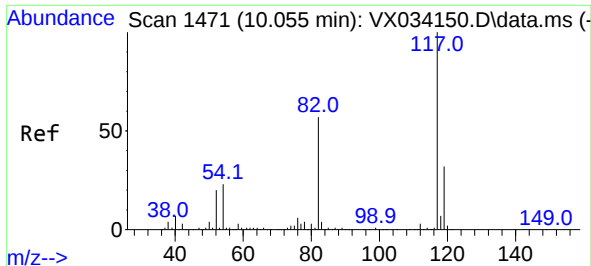
Ion Ratio Lower Upper

95 100

174 77.8 0.0 184.4

176 76.0 0.0 178.8

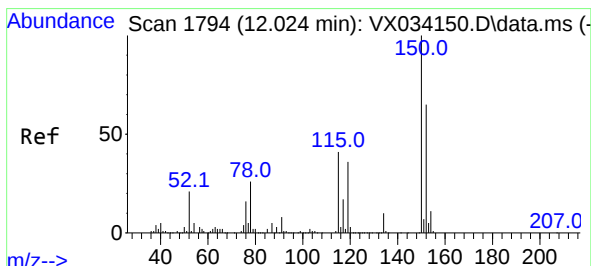
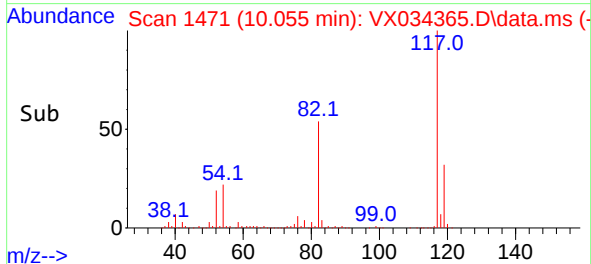
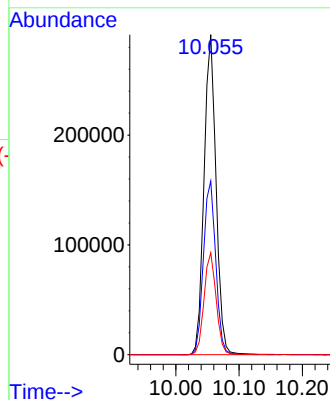
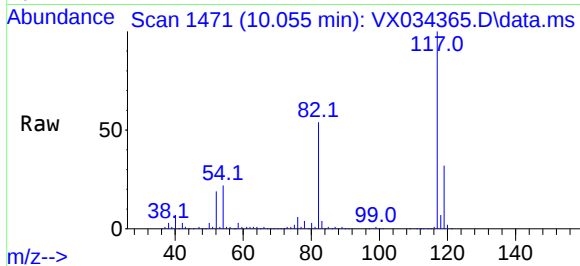




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

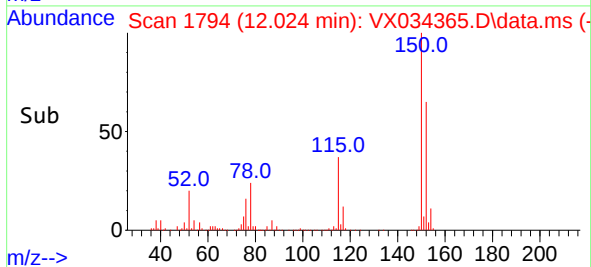
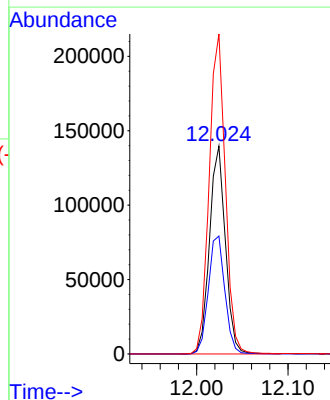
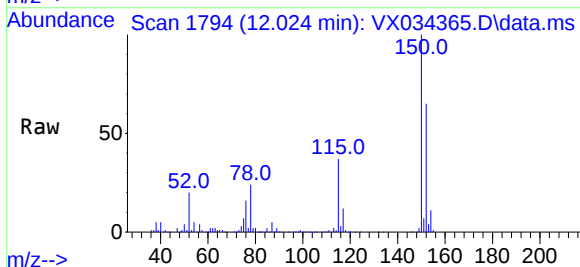
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

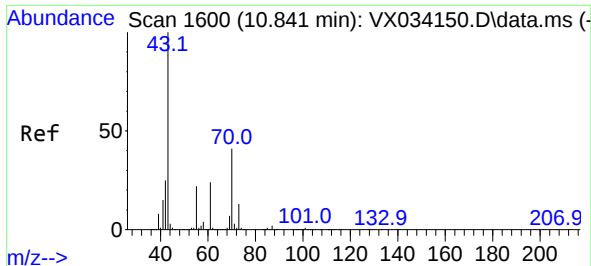
Tgt Ion:117 Resp: 386301
Ion Ratio Lower Upper
117 100
82 54.2 40.6 60.8
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

Tgt Ion:152 Resp: 168537
Ion Ratio Lower Upper
152 100
115 59.2 38.7 116.1
150 156.2 0.0 348.2

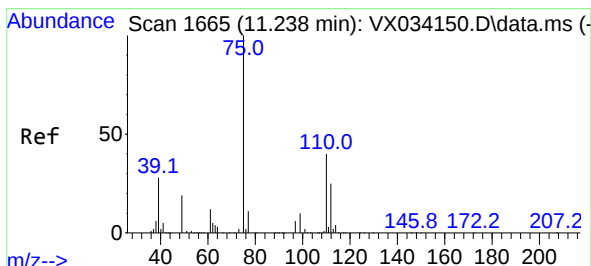
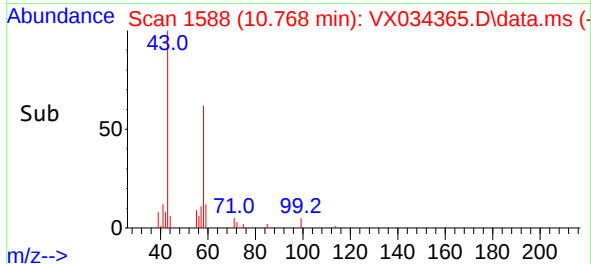
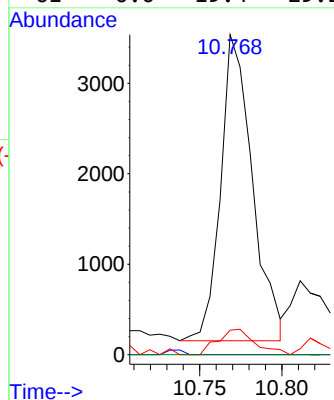
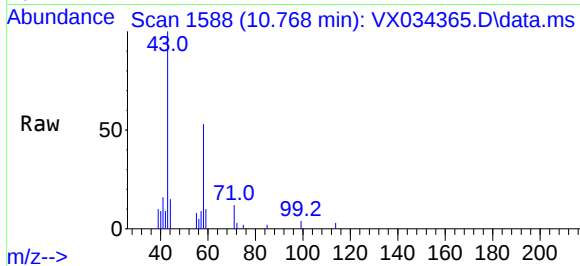




#74
N-amy1 acetate
Concen: 0.703 ug/l
RT: 10.768 min Scan# 1639
Delta R.T. -0.073 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

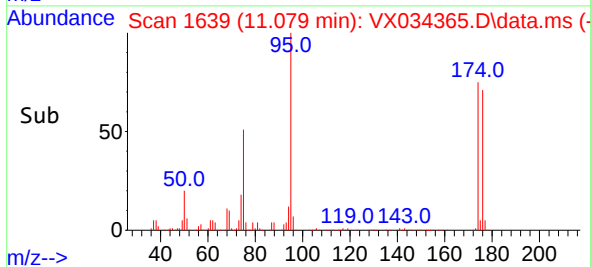
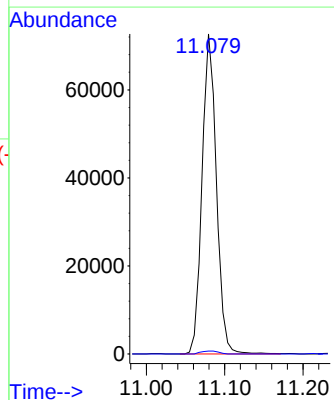
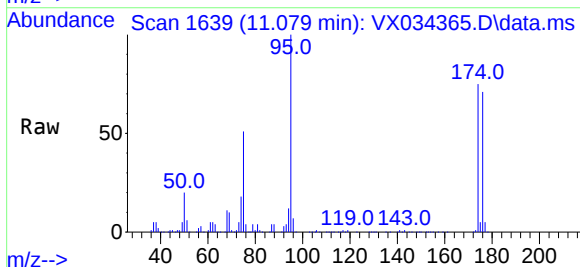
Instrument :
MSVOA_X
ClientSampleId :
WC-IDW-S-1

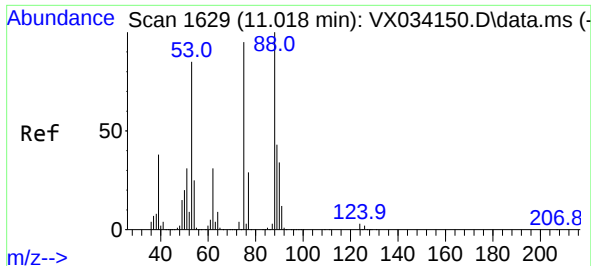
Tgt Ion:	43	Resp:	4536
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.8	52.2#
55	9.8	19.4	29.0#
61	0.0	19.4	29.2#



#76
1,2,3-Trichloropropane
Concen: 21.804 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034365.D
Acq: 07 Mar 2023 12:14

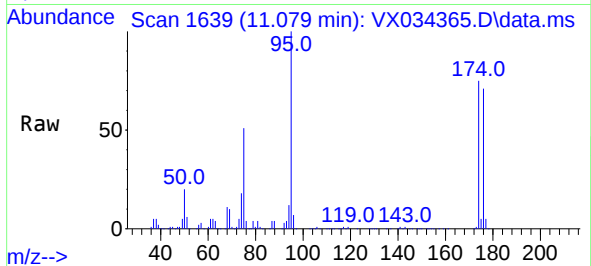
Tgt Ion:	75	Resp:	92466
Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.8	65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.011 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034365.D
 Acq: 07 Mar 2023 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-IDW-S-1



Tgt Ion: 75 Resp: 92466
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

