

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090822\
 Data File : VX031219.D
 Acq On : 08 Sep 2022 18:14
 Operator : JC/MD
 Sample : N4490-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14-A-SP-GR

Quant Time: Sep 08 18:55:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

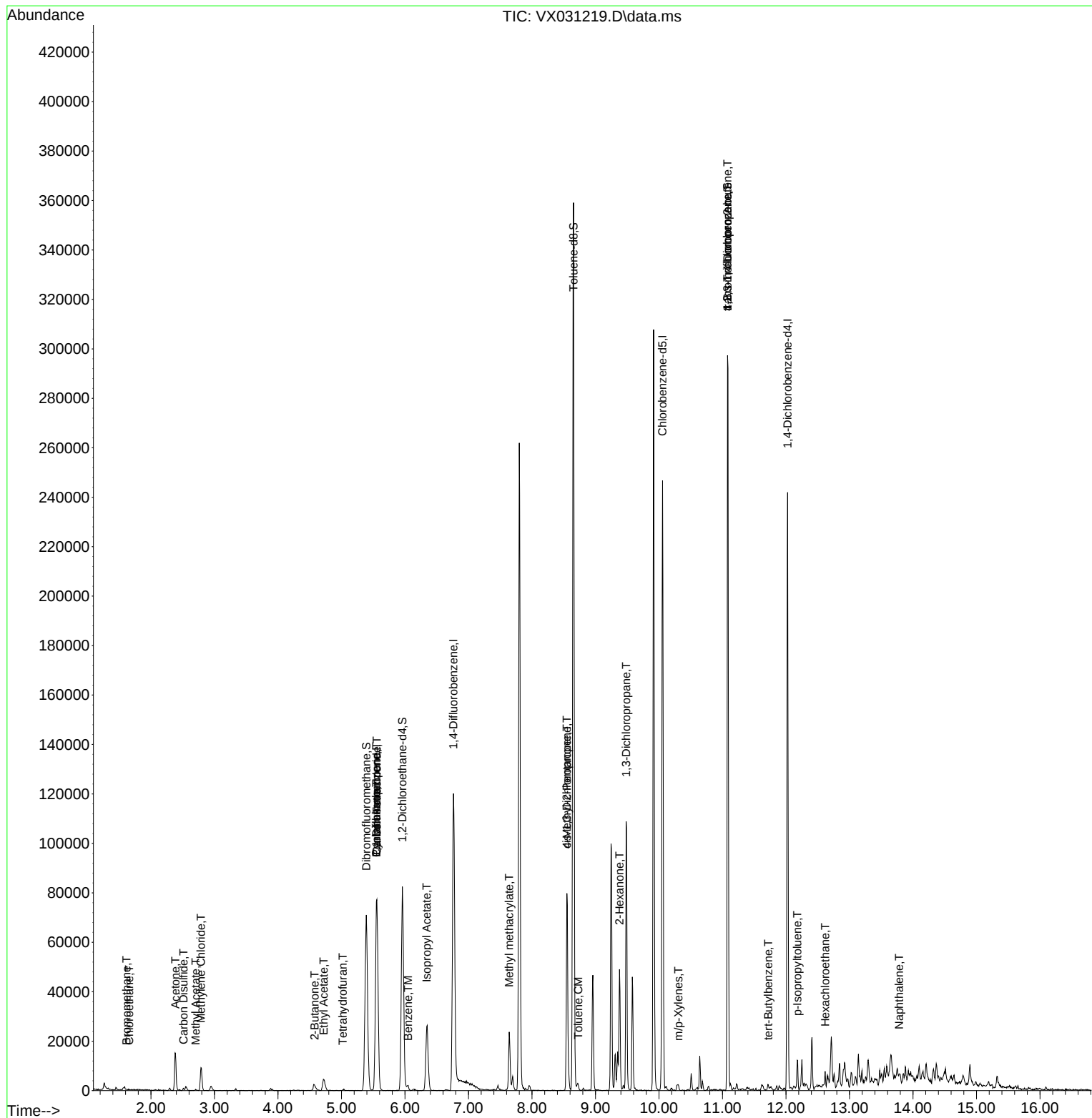
Internal Standards						
1) Pentafluorobenzene	5.550	168	61979	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	113445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87430	59.582	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.160%
35) Dibromofluoromethane	5.391	113	60245	48.732	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.460%
50) Toluene-d8	8.653	98	212794	47.377	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.760%
62) 4-Bromofluorobenzene	11.079	95	82290	49.994	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.980%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	120	0.208	ug/l	# 2
6) Chloroethane	1.654	64	242	0.477	ug/l	# 41
11) Tert butyl alcohol	2.947	59	1568	Below Cal	#	74
16) Acetone	2.386	43	17145	33.745	ug/l	# 86
17) Carbon Disulfide	2.514	76	961	0.374	ug/l	# 74
18) Methyl Acetate	2.703	43	609	0.463	ug/l	# 60
20) Methylene Chloride	2.788	84	4735	3.965	ug/l	# 88
25) 2-Butanone	4.574	43	3879	5.154	ug/l	# 100
29) Tetrahydrofuran	5.019	42	197	0.443	ug/l	# 84
31) Cyclohexane	5.550	56	1817	1.108	ug/l	# 18
36) 1,1-Dichloropropene	5.550	75	6662	3.598	ug/l	# 48
37) Ethyl Acetate	4.721	43	7927	4.826	ug/l	# 95
38) Carbon Tetrachloride	5.556	117	8182	4.200	ug/l	# 18
40) Benzene	6.050	78	2238	0.445	ug/l	# 88
43) Isopropyl Acetate	6.342	43	35020	13.524	ug/l	# 94
48) Methyl methacrylate	7.641	41	805	0.638	ug/l	# 14
51) 4-Methyl-2-Pentanone	8.549	43	28241	17.810	ug/l	# 50
52) Toluene	8.726	92	1194	0.360	ug/l	# 80
54) cis-1,3-Dichloropropene	8.549	75	14169	6.645	ug/l	# 62
57) 1,3-Dichloropropane	9.482	76	984	0.418	ug/l	# 42
59) 2-Hexanone	9.378	43	30808	25.692	ug/l	# 24
68) m/p-Xylenes	10.305	106	493	0.234	ug/l	# 70
76) 1,2,3-Trichloropropane	11.079	75	45767	34.805	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	45767	112.242	ug/l	# 12
83) tert-Butylbenzene	11.720	119	818	0.236	ug/l	# 39
86) p-Isopropyltoluene	12.177	119	5236	1.509	ug/l	# 93
90) Hexachloroethane	12.616	117	252	0.423	ug/l	# 16
95) Naphthalene	13.780	128	1038	0.273	ug/l	# 84

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

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Sample : N4490-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

Quant Time: Sep 08 18:55:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 07 23:22:41 2022
Response via : Initial Calibration

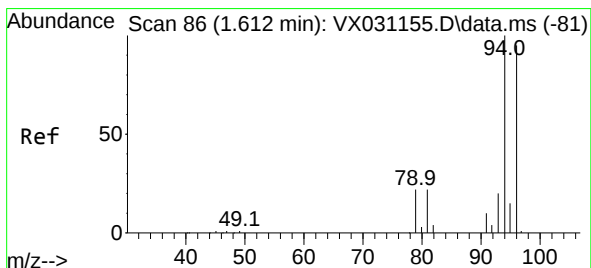
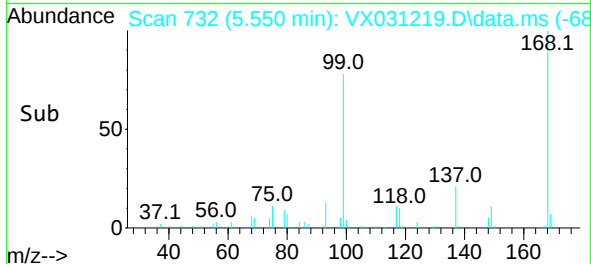
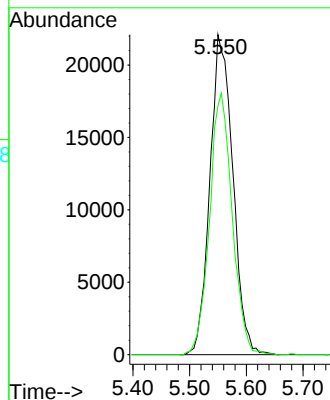
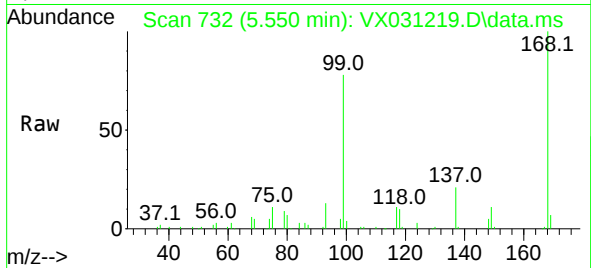




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

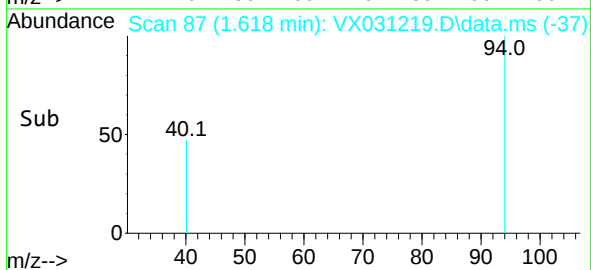
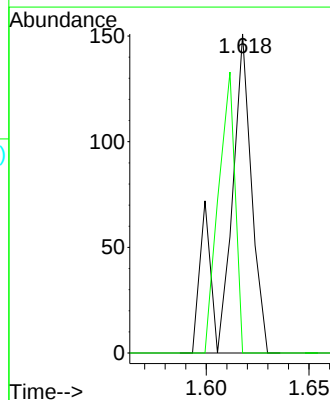
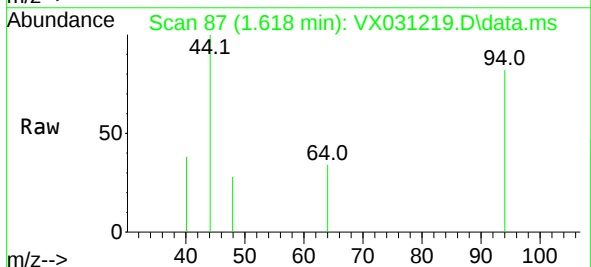
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

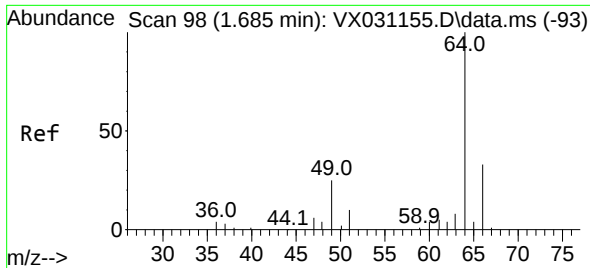
Tgt Ion:168 Resp: 61979
Ion Ratio Lower Upper
168 100
99 77.8 44.0 66.0#



#5
Bromomethane
Concen: 0.208 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#

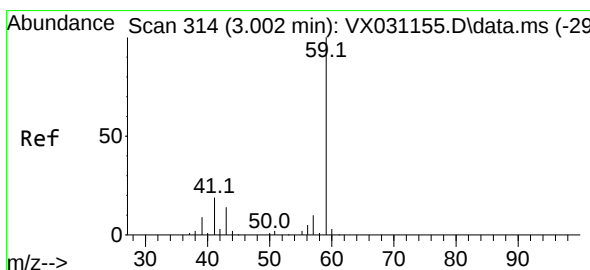
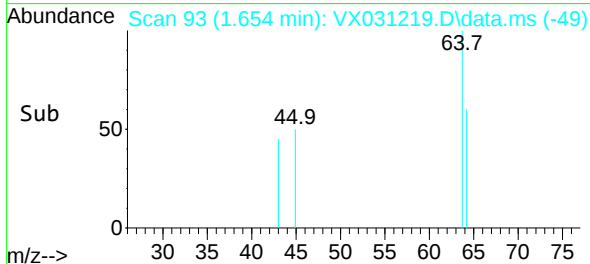
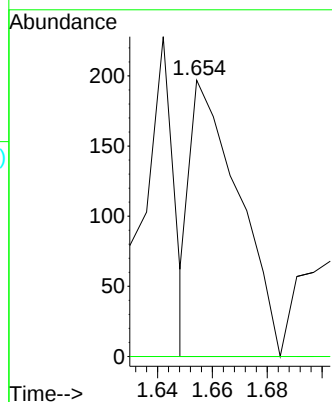
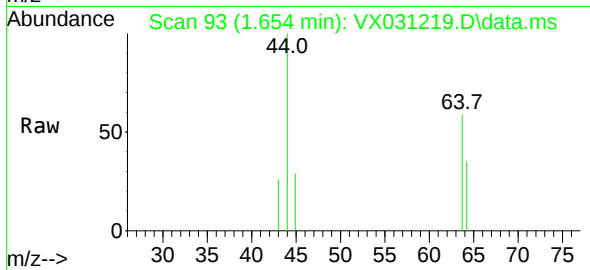




#6
Chloroethane
Concen: 0.477 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.030 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

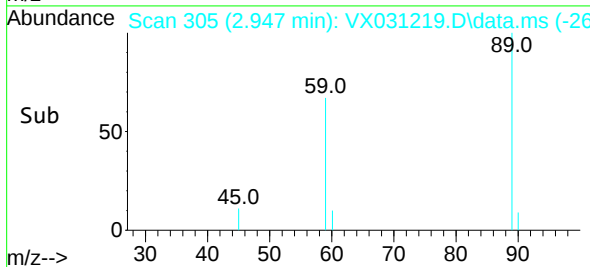
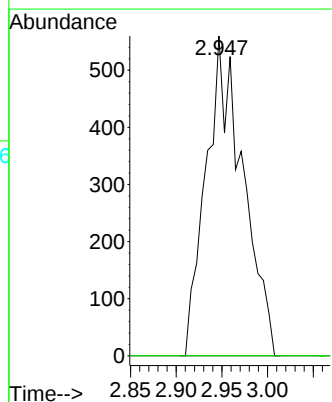
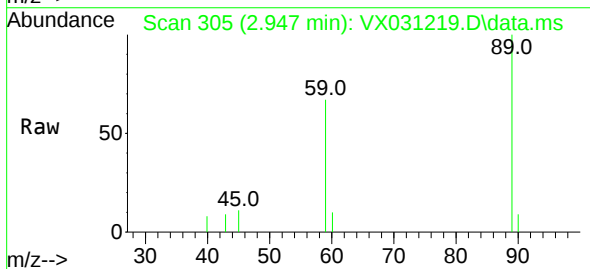
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

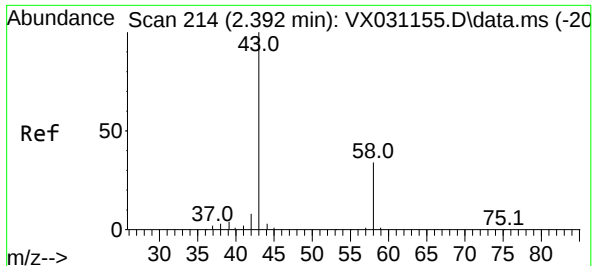
Tgt Ion: 64 Resp: 242
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.055 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 59 Resp: 1568
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

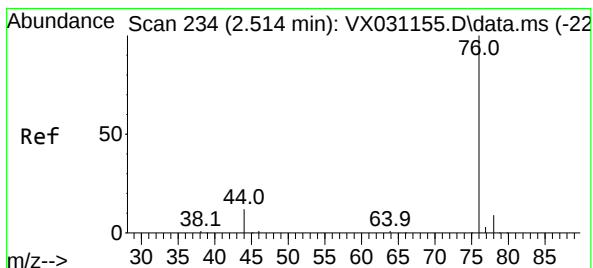
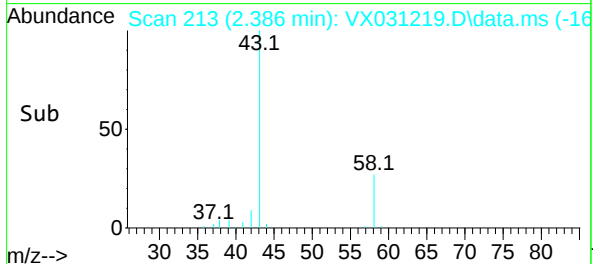
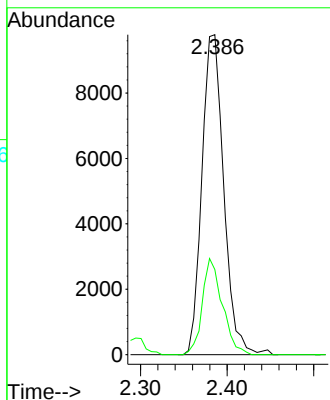
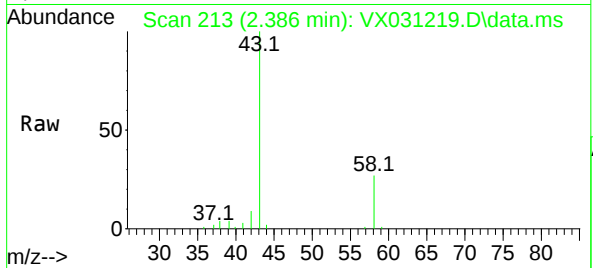




#16
Acetone
Concen: 33.745 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

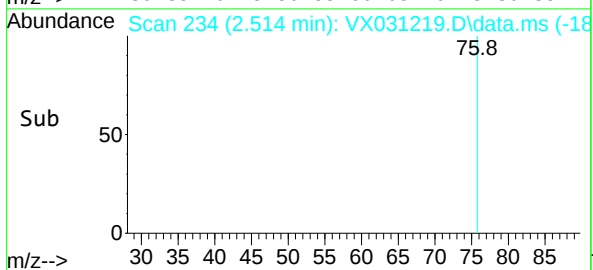
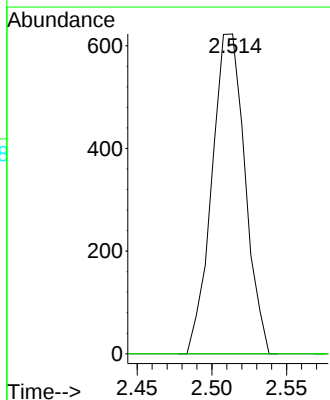
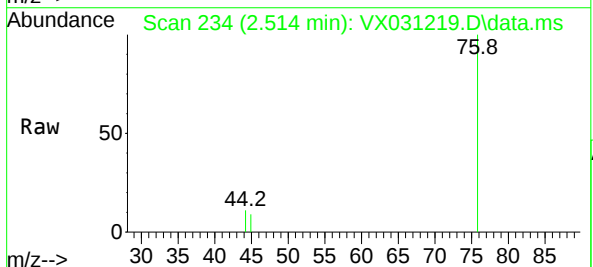
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

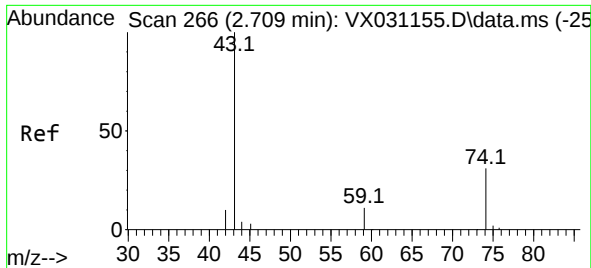
Tgt Ion: 43 Resp: 17145
Ion Ratio Lower Upper
43 100
58 26.6 27.7 41.5#



#17
Carbon Disulfide
Concen: 0.374 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 76 Resp: 961
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

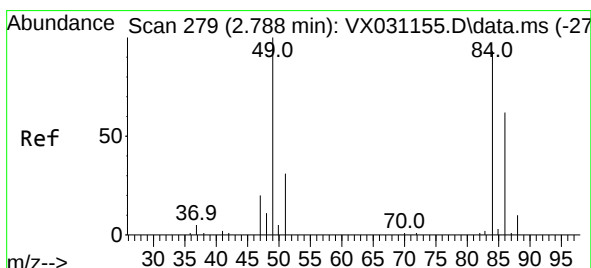
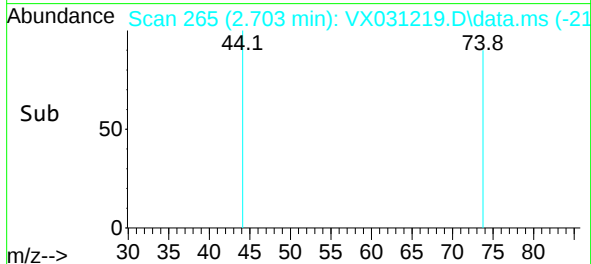
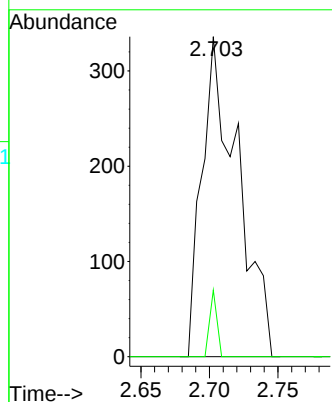
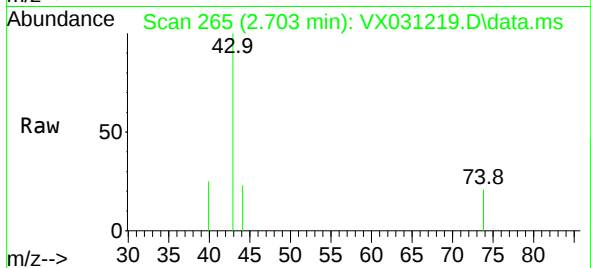




#18
Methyl Acetate
Concen: 0.463 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

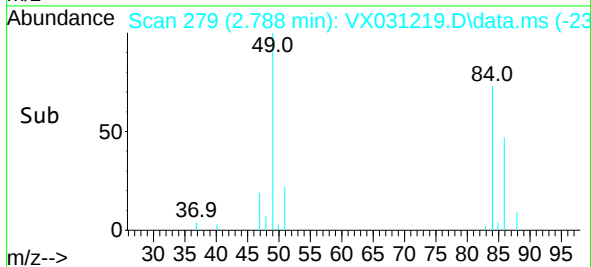
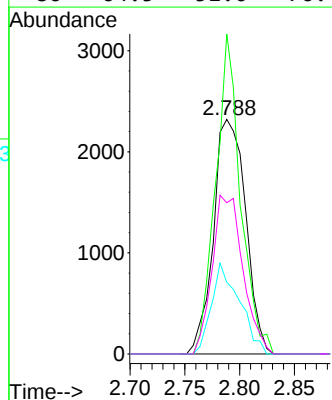
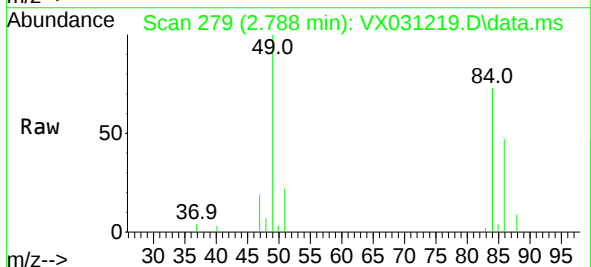
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

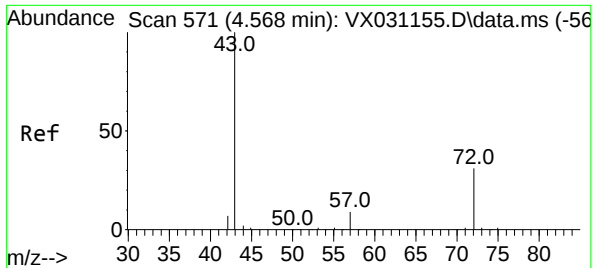
Tgt Ion: 43 Resp: 609
Ion Ratio Lower Upper
43 100
74 4.3 19.4 29.2#



#20
Methylene Chloride
Concen: 3.965 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 84 Resp: 4735
Ion Ratio Lower Upper
84 100
49 136.5 93.8 140.6
51 30.6 29.4 44.0
86 64.5 51.0 76.4





#25

2-Butanone

Concen: 5.154 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX031219.D

Acq: 08 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

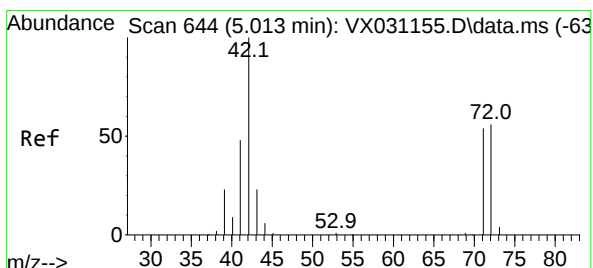
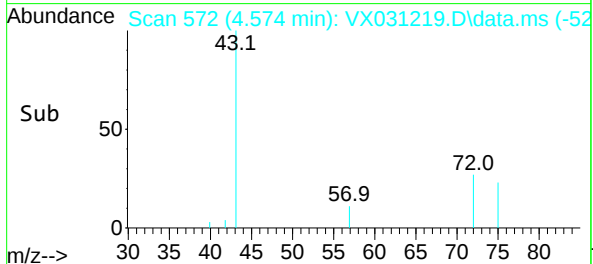
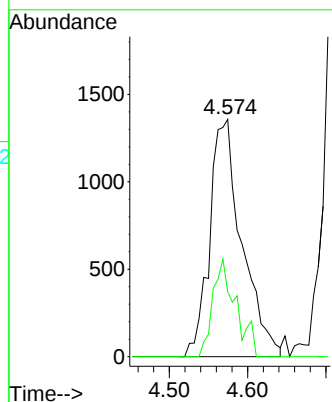
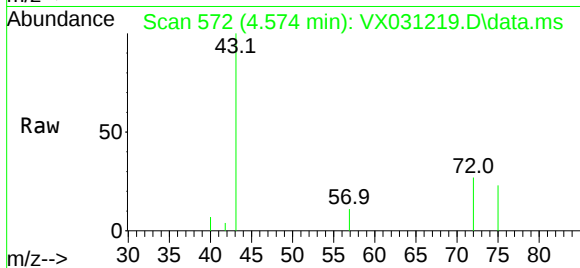
WC-14-A-SP-GR

Tgt Ion: 43 Resp: 3879

Ion Ratio Lower Upper

43 100

72 27.3 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.443 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX031219.D

Acq: 08 Sep 2022 18:14

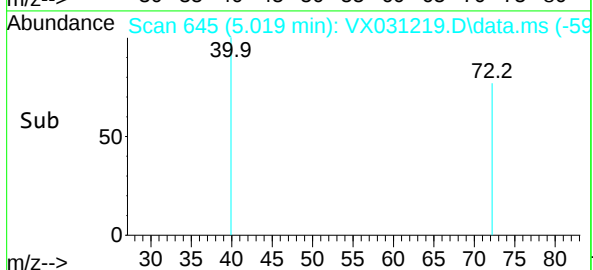
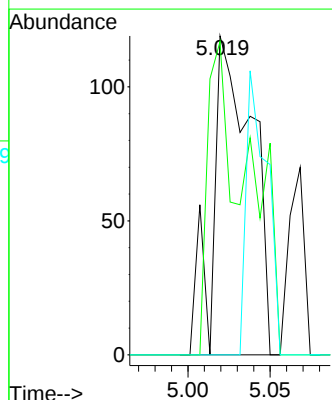
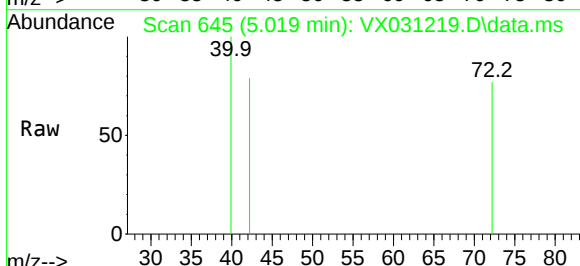
Tgt Ion: 42 Resp: 197

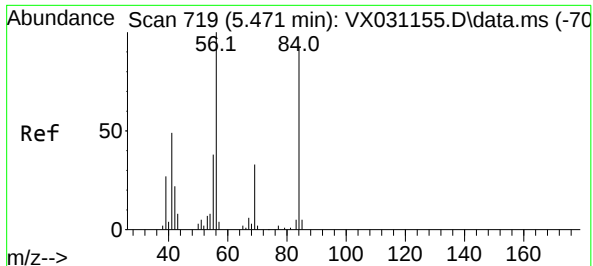
Ion Ratio Lower Upper

42 100

72 61.9 36.5 54.7#

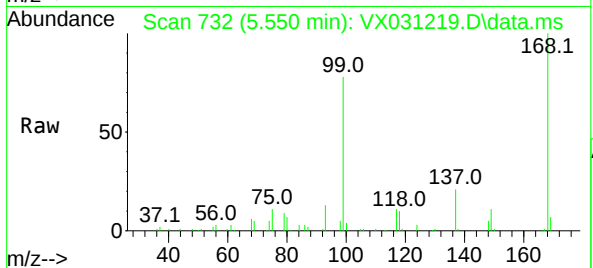
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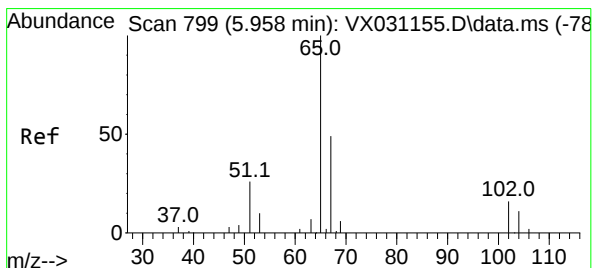
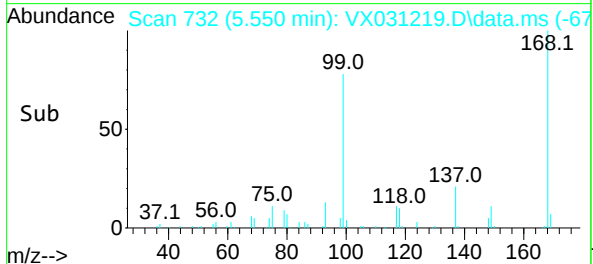
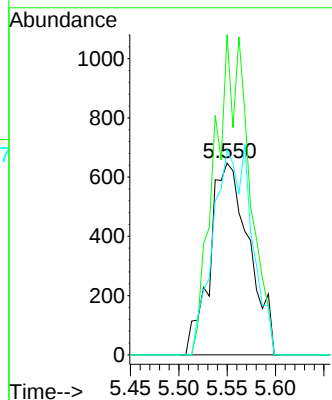


#31
Cyclohexane
Concen: 1.108 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Instrument :
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ClientSampleId :
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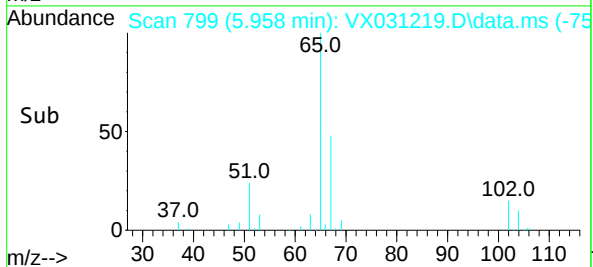
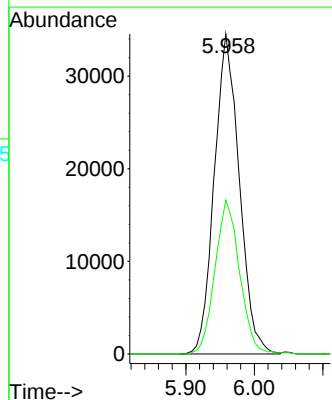
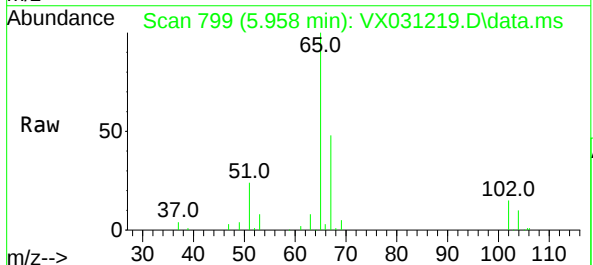


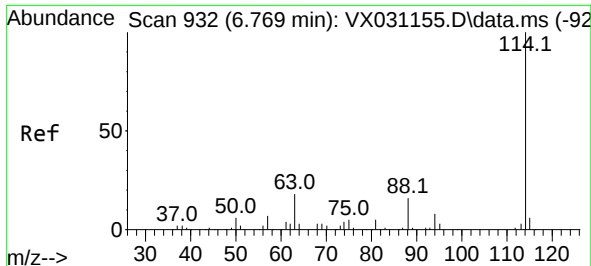
Tgt Ion: 56 Resp: 1817
Ion Ratio Lower Upper
56 100
69 167.1 25.4 38.0#
84 107.0 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 59.582 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 65 Resp: 87430
Ion Ratio Lower Upper
65 100
67 47.5 0.0 109.6

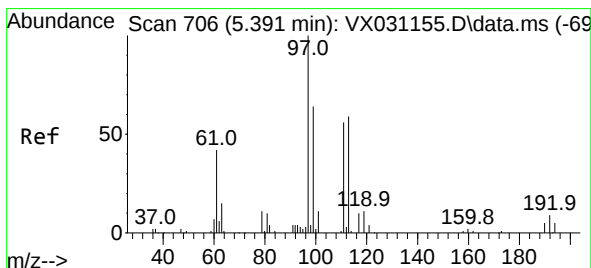
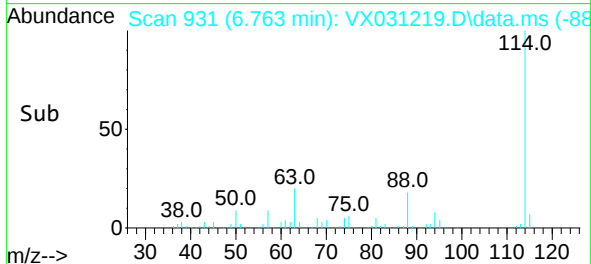
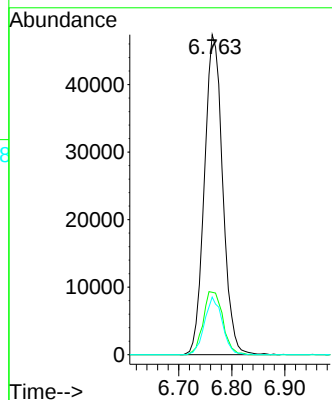
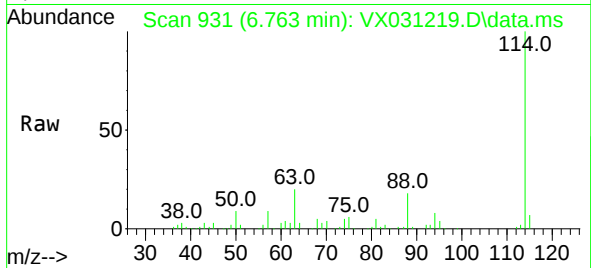




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

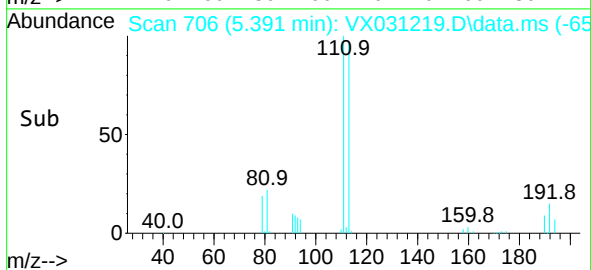
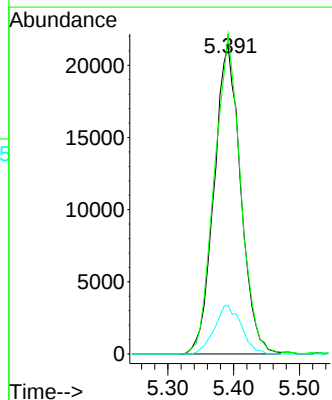
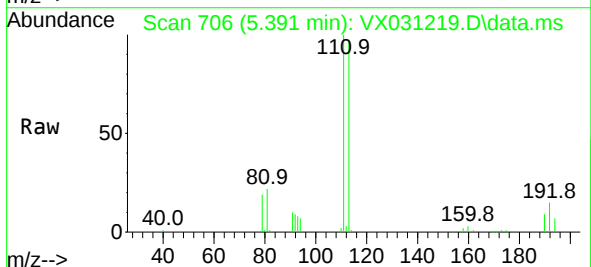
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

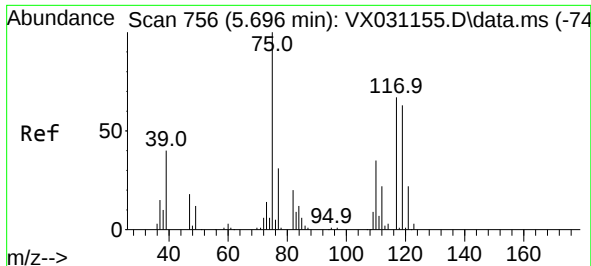
Tgt Ion:114 Resp: 113445
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.4
88 18.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.732 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion:113 Resp: 60245
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 15.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 3.598 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX031219.D

Acq: 08 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

WC-14-A-SP-GR

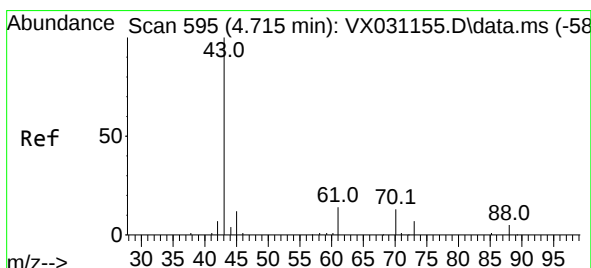
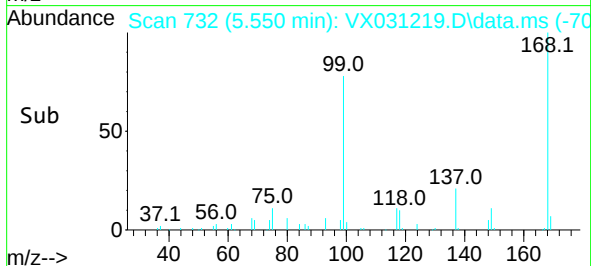
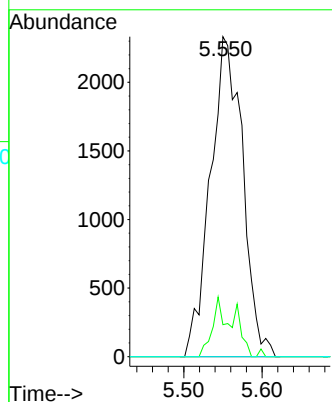
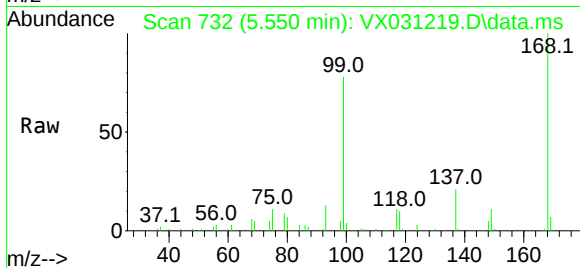
Tgt Ion: 75 Resp: 6662

Ion Ratio Lower Upper

75 100

110 8.4 19.3 57.9#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 4.826 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX031219.D

Acq: 08 Sep 2022 18:14

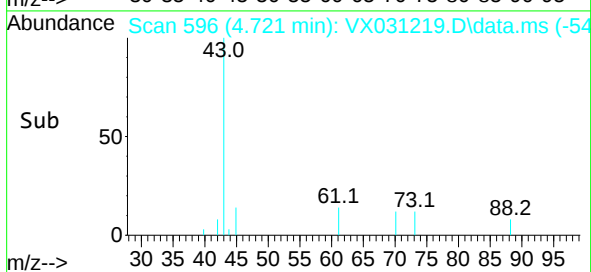
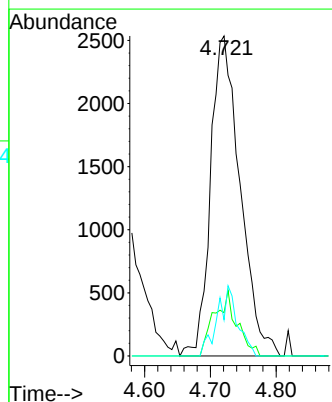
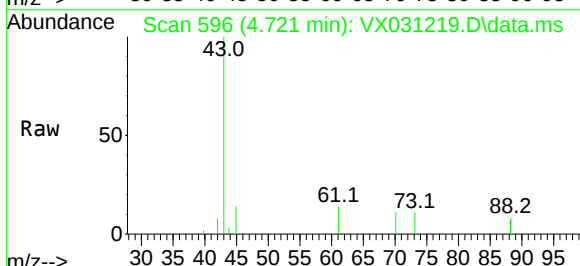
Tgt Ion: 43 Resp: 7927

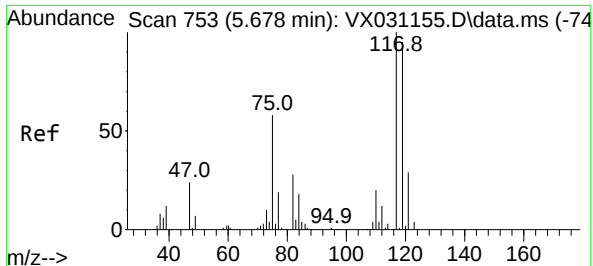
Ion Ratio Lower Upper

43 100

61 15.7 11.7 17.5

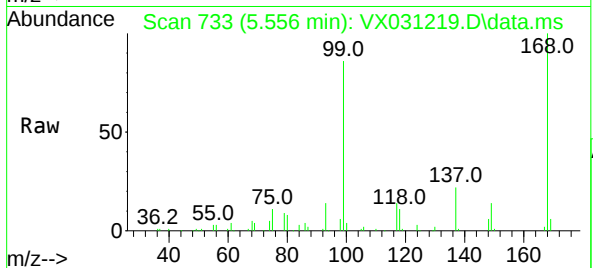
70 15.0 9.3 13.9#



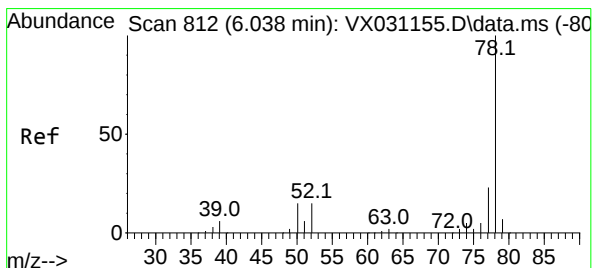
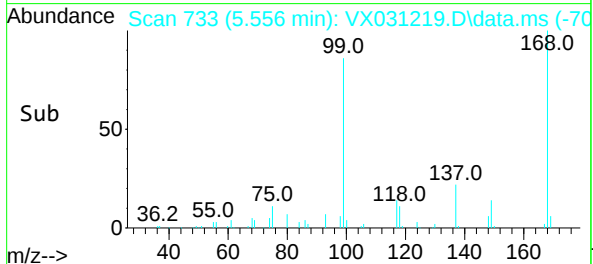
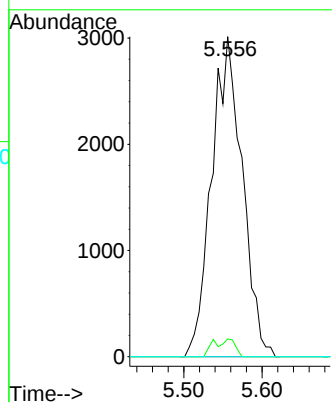


#38
Carbon Tetrachloride
Concen: 4.200 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

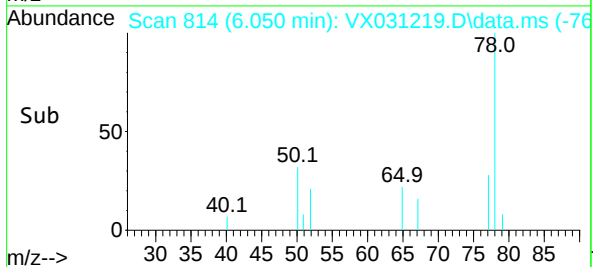
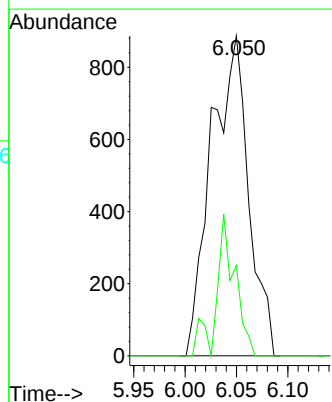
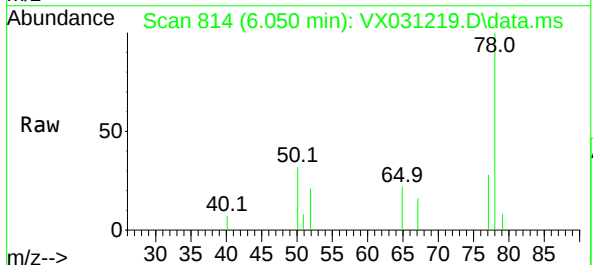


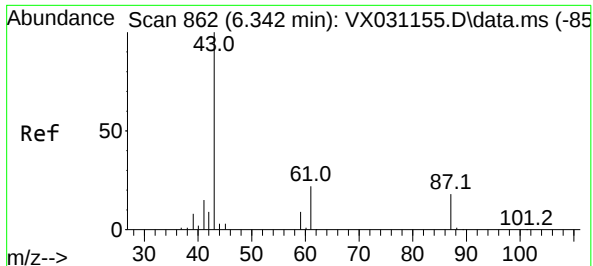
Tgt Ion:117 Resp: 8182
Ion Ratio Lower Upper
117 100
119 5.6 74.1 111.1#
121 0.0 25.8 38.8#



#40
Benzene
Concen: 0.445 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 78 Resp: 2238
Ion Ratio Lower Upper
78 100
77 28.3 18.0 27.0#

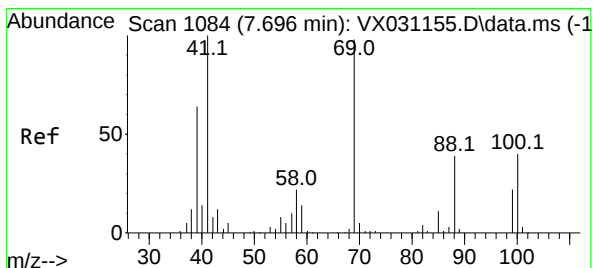
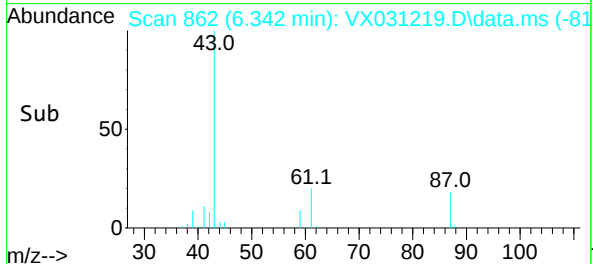
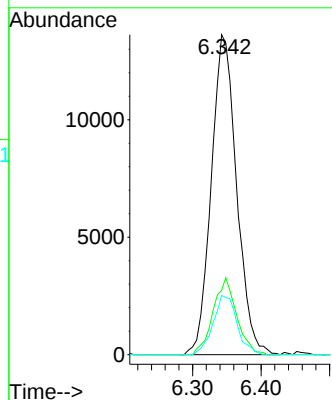
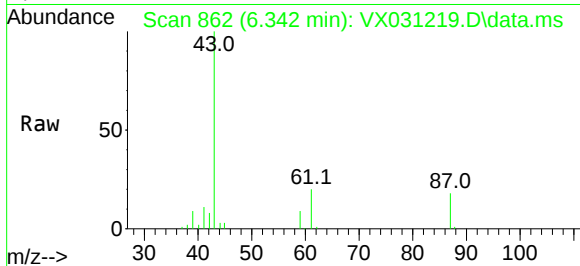




#43
Isopropyl Acetate
Concen: 13.524 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

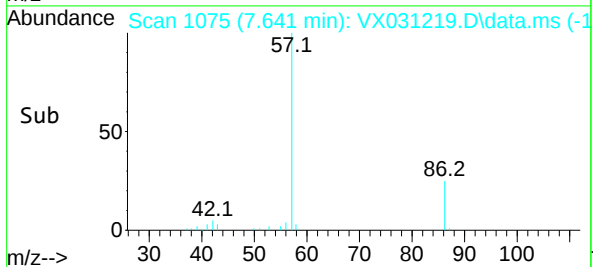
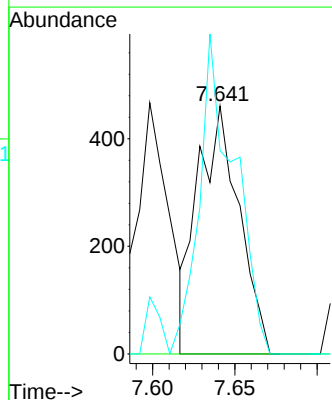
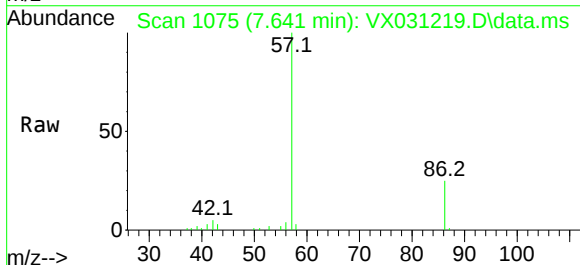
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

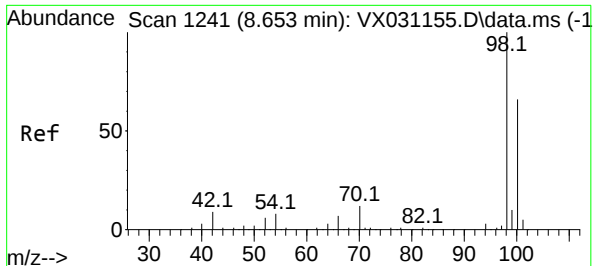
Tgt Ion: 43 Resp: 35020
Ion Ratio Lower Upper
43 100
61 22.2 16.5 24.7
87 17.5 11.1 16.7#



#48
Methyl methacrylate
Concen: 0.638 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.055 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 41 Resp: 805
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 109.4 44.6 66.8#

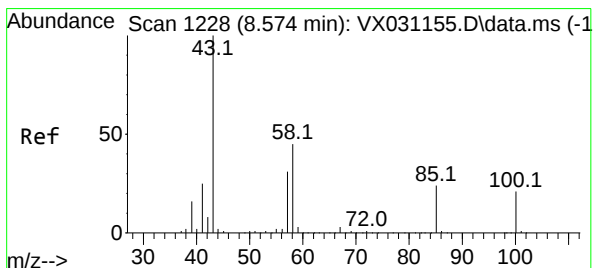
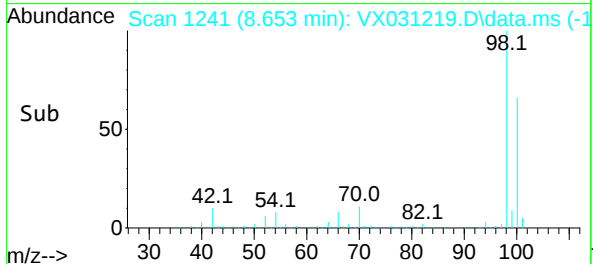
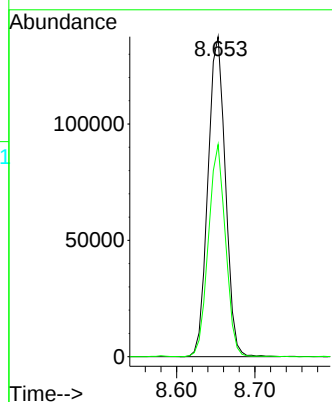
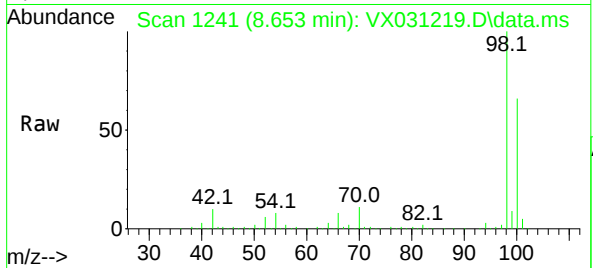




#50
Toluene-d8
Concen: 47.377 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

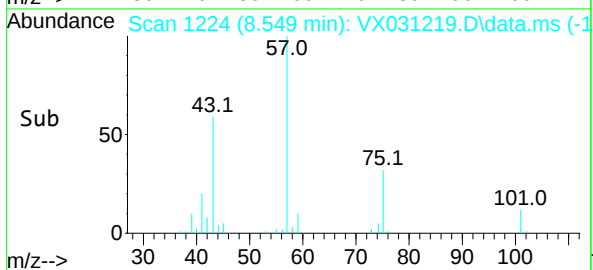
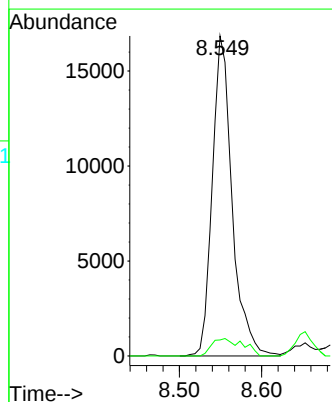
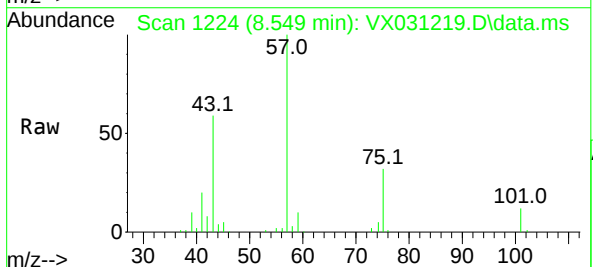
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

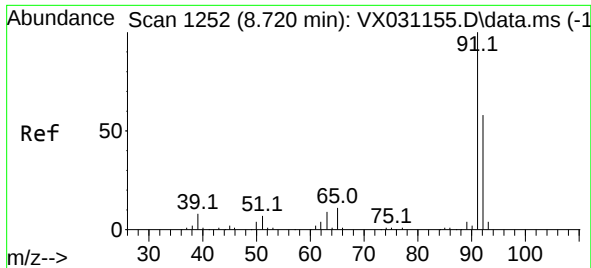
Tgt Ion: 98 Resp: 212794
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 17.810 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 43 Resp: 28241
Ion Ratio Lower Upper
43 100
58 8.6 31.4 47.2#





#52

Toluene

Concen: 0.360 ug/l

RT: 8.726 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX031219.D

Acq: 08 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

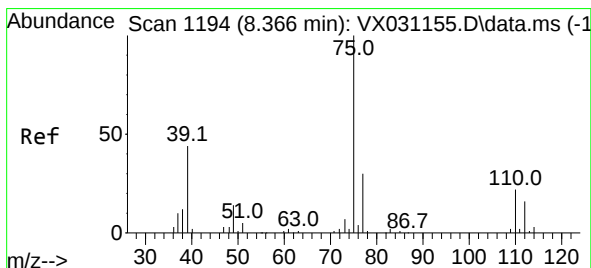
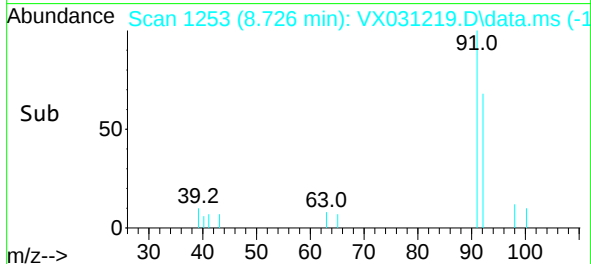
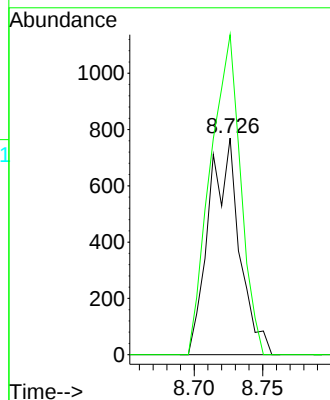
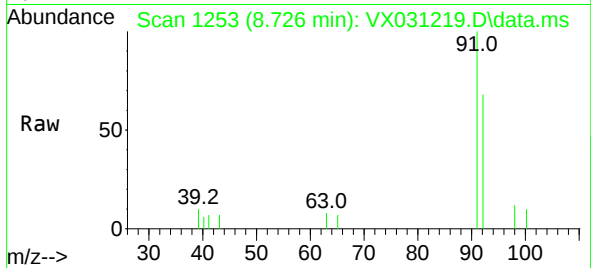
WC-14-A-SP-GR

Tgt Ion: 92 Resp: 1194

Ion Ratio Lower Upper

92 100

91 146.1 139.2 208.8



#54

cis-1,3-Dichloropropene

Concen: 6.645 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031219.D

Acq: 08 Sep 2022 18:14

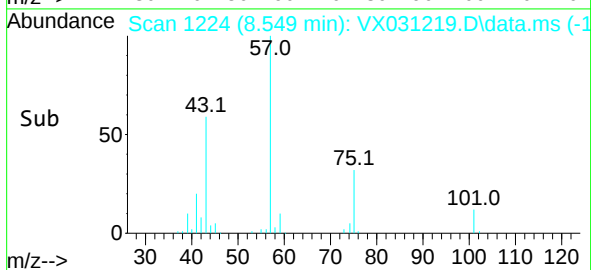
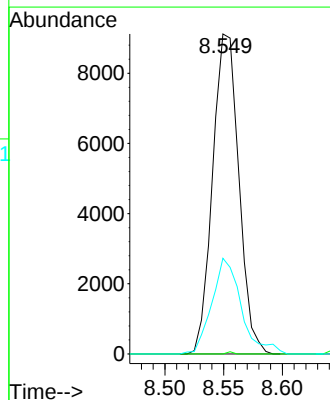
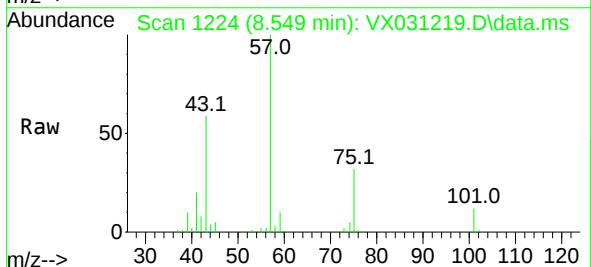
Tgt Ion: 75 Resp: 14169

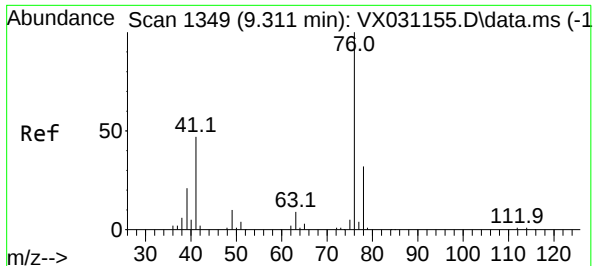
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 29.9 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 0.418 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX031219.D

Acq: 08 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

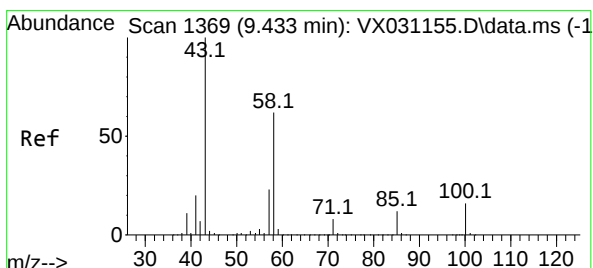
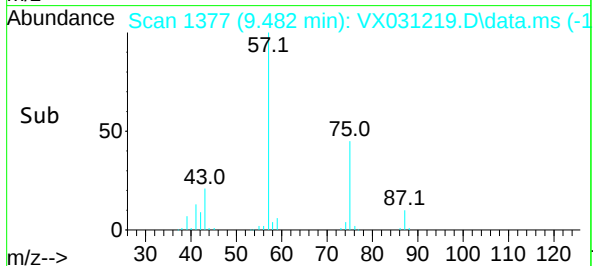
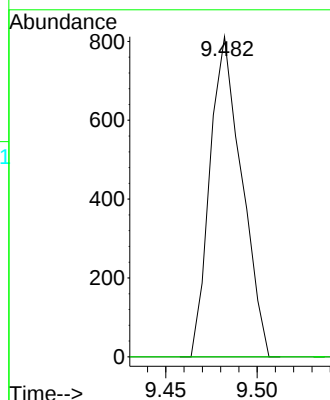
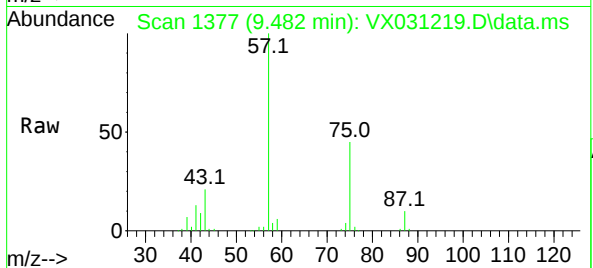
WC-14-A-SP-GR

Tgt Ion: 76 Resp: 984

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 25.692 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX031219.D

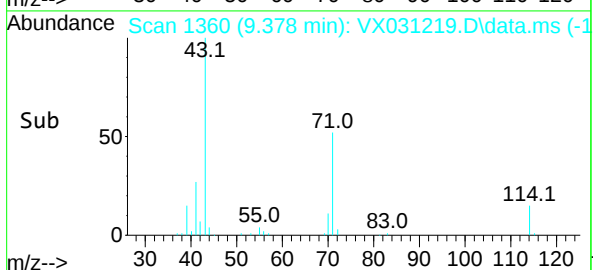
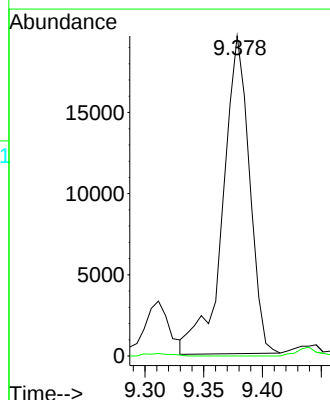
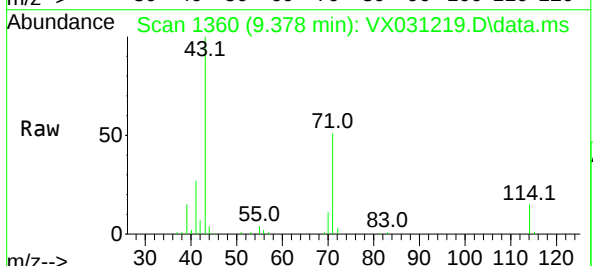
Acq: 08 Sep 2022 18:14

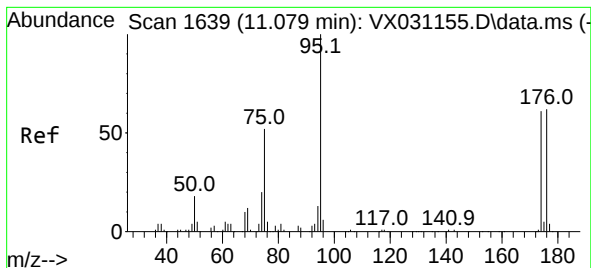
Tgt Ion: 43 Resp: 30808

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#

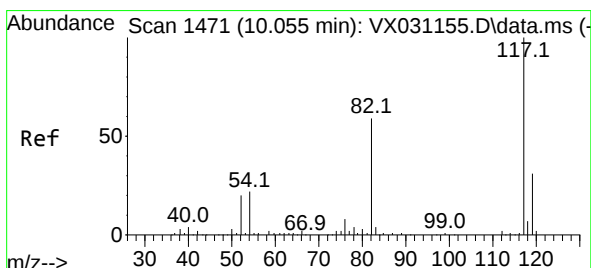
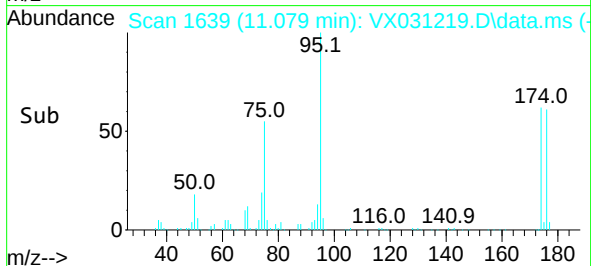
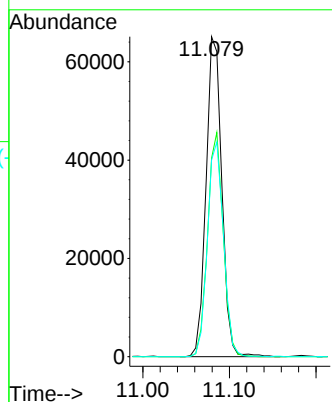
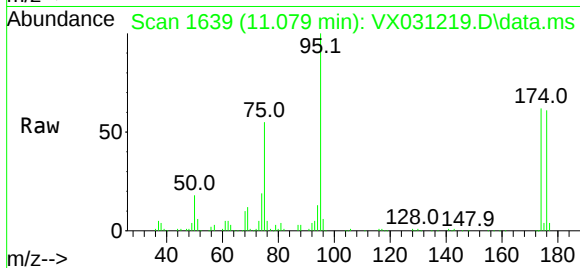




#62
4-Bromofluorobenzene
Concen: 49.994 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

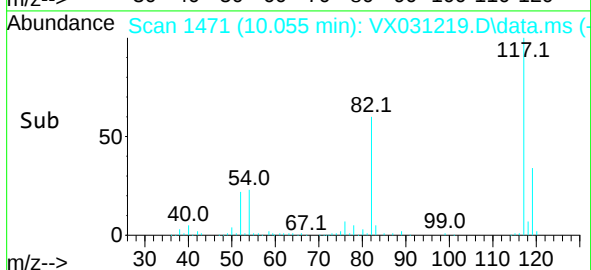
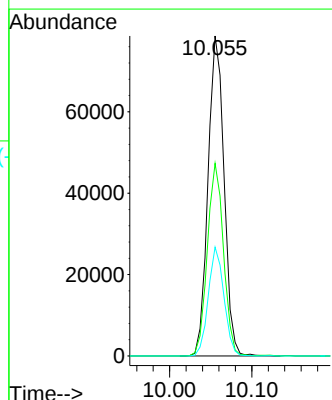
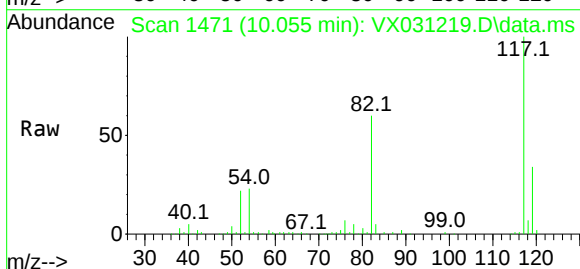
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

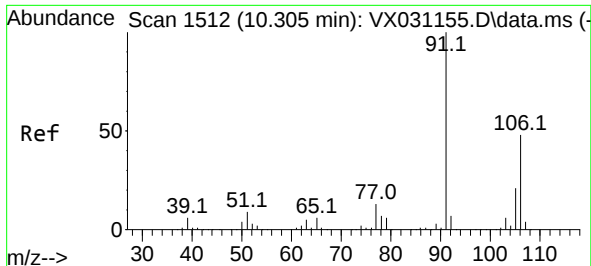
Tgt Ion: 95 Resp: 82290
Ion Ratio Lower Upper
95 100
174 69.3 0.0 149.0
176 68.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 117 Resp: 106513
Ion Ratio Lower Upper
117 100
82 60.2 42.7 64.1
119 34.0 25.4 38.2

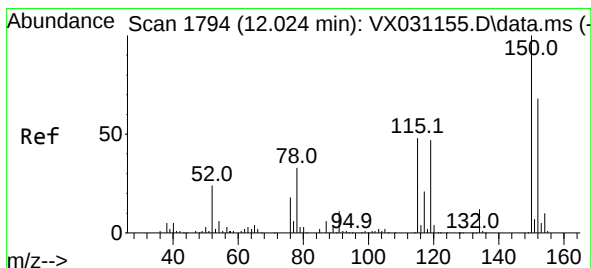
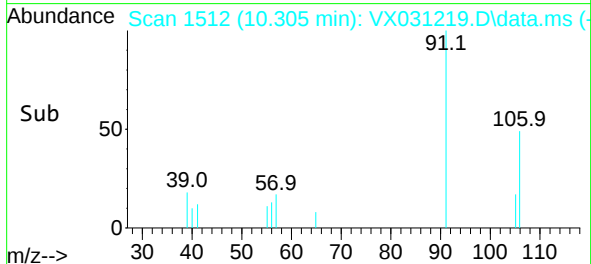
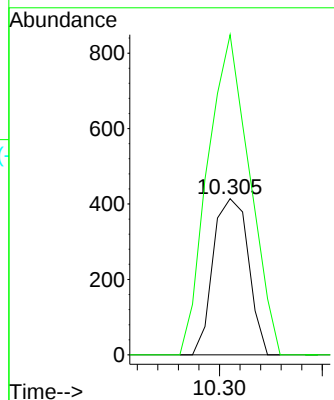
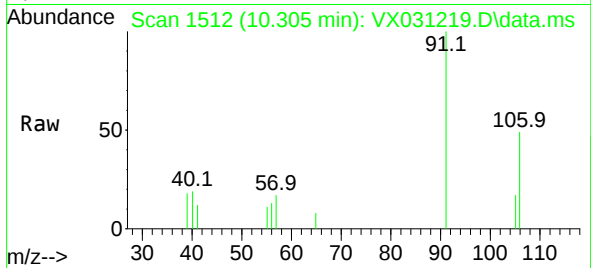




#68
m/p-Xylenes
Concen: 0.234 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

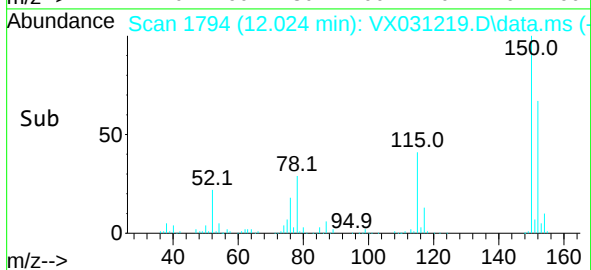
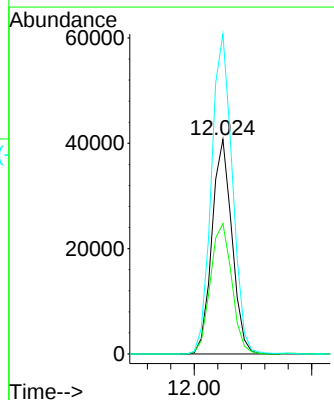
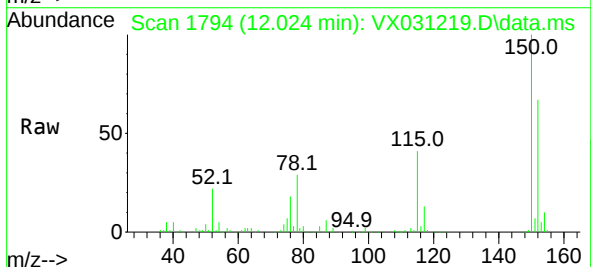
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

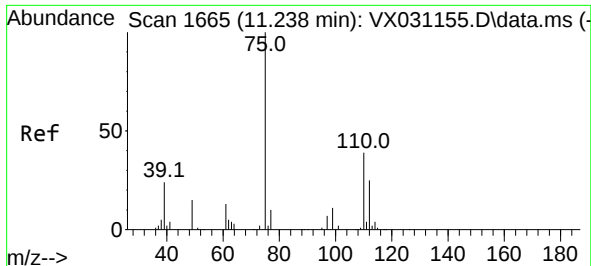
Tgt Ion:106 Resp: 493
Ion Ratio Lower Upper
106 100
91 243.6 158.2 237.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion:152 Resp: 48182
Ion Ratio Lower Upper
152 100
115 65.1 40.5 121.5
150 156.0 0.0 347.0

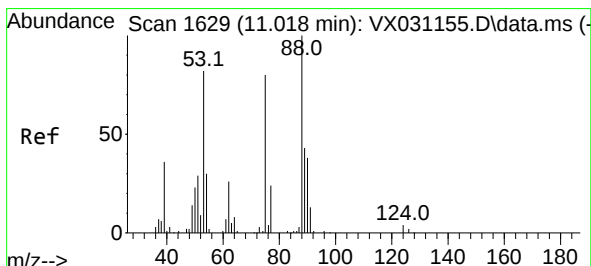
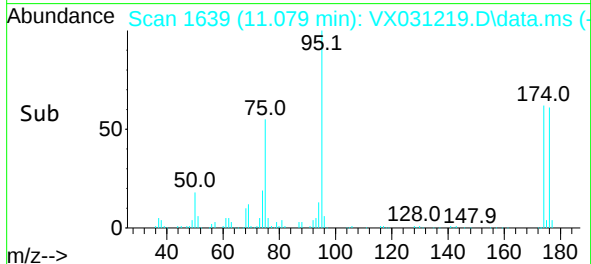
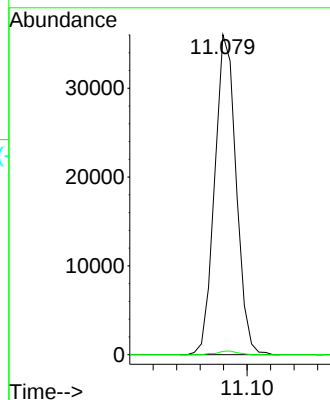
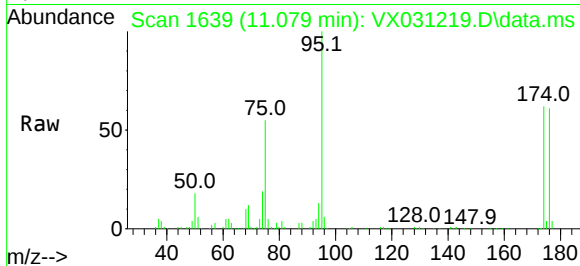




#76
1,2,3-Trichloropropane
Concen: 34.805 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

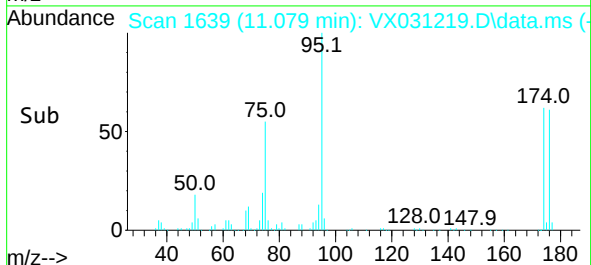
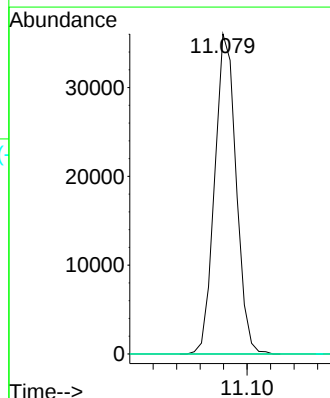
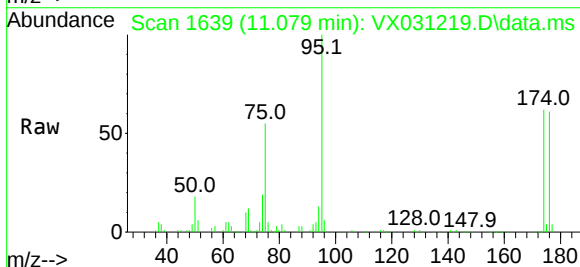
Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

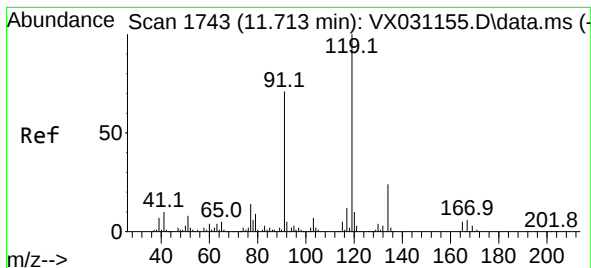
Tgt Ion: 75 Resp: 45767
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.242 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion: 75 Resp: 45767
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#83

tert-Butylbenzene

Concen: 0.236 ug/l

RT: 11.720 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX031219.D

Acq: 08 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

WC-14-A-SP-GR

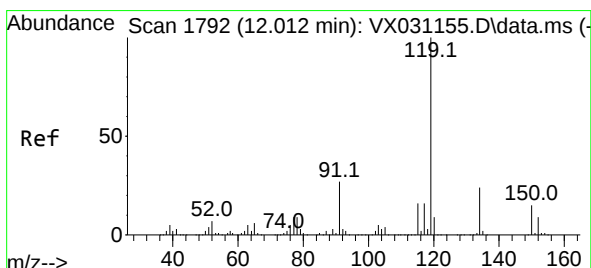
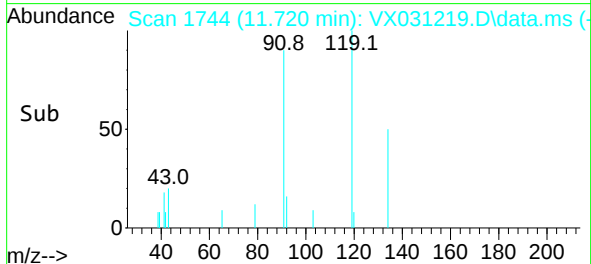
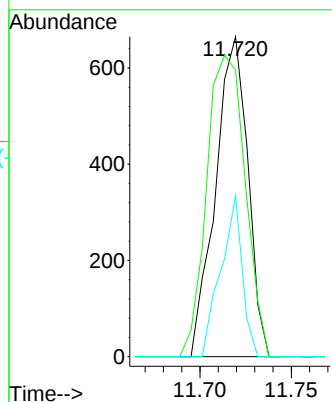
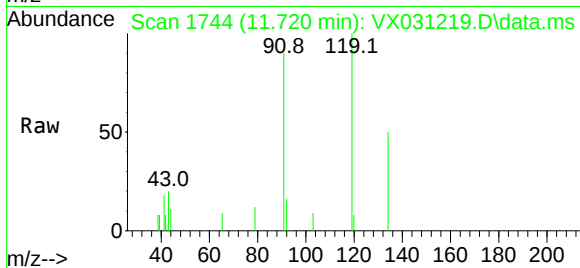
Tgt Ion:119 Resp: 818

Ion Ratio Lower Upper

119 100

91 112.3 28.3 84.9#

134 33.5 11.2 33.5#



#86

p-Isopropyltoluene

Concen: 1.509 ug/l

RT: 12.177 min Scan# 1819

Delta R.T. 0.165 min

Lab File: VX031219.D

Acq: 08 Sep 2022 18:14

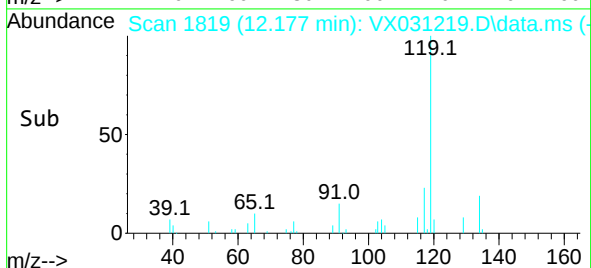
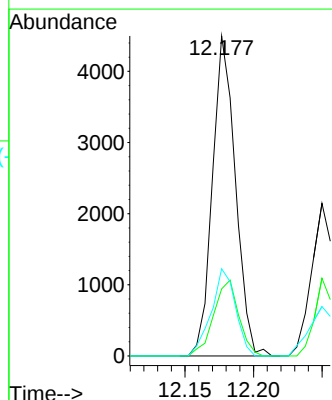
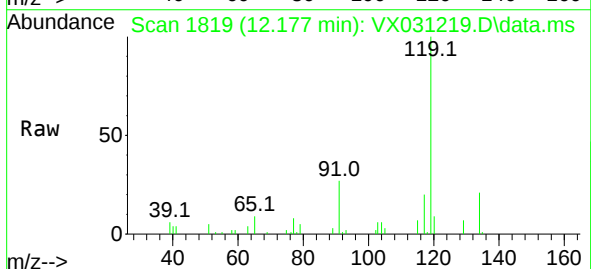
Tgt Ion:119 Resp: 5236

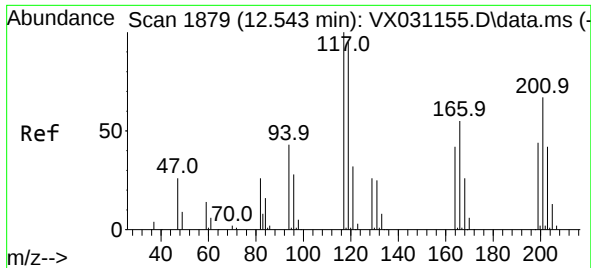
Ion Ratio Lower Upper

119 100

134 25.9 13.9 41.6

91 28.7 11.8 35.3

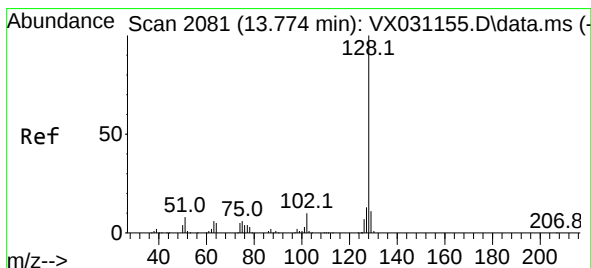
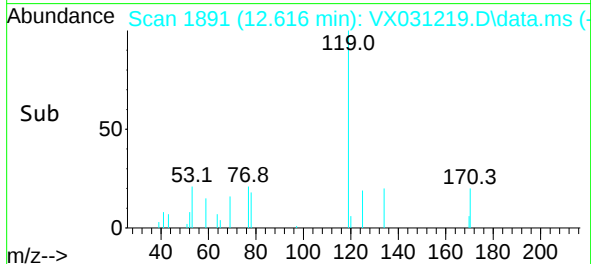
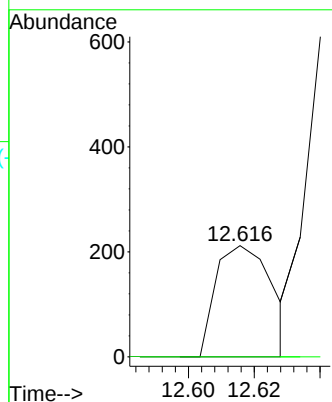
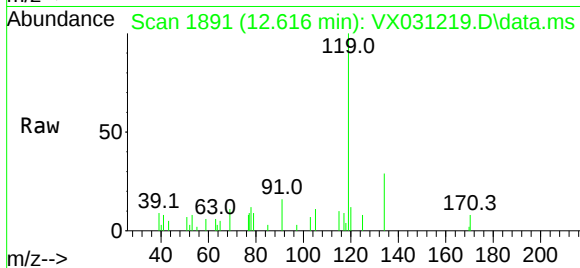




#90
Hexachloroethane
Concen: 0.423 ug/l
RT: 12.616 min Scan# 1879
Delta R.T. 0.073 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Instrument :
MSVOA_X
ClientSampleId :
WC-14-A-SP-GR

Tgt Ion:117 Resp: 252
Ion Ratio Lower Upper
117 100
201 0.0 34.2 102.5#



#95
Naphthalene
Concen: 0.273 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031219.D
Acq: 08 Sep 2022 18:14

Tgt Ion:128 Resp: 1038
Ion Ratio Lower Upper
128 100
127 4.6 10.2 15.2#
129 7.0 8.6 13.0#

