

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101022\
 Data File : VX032021.D
 Acq On : 10 Oct 2022 18:36
 Operator : JC/MD
 Sample : N4941-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6R

Quant Time: Oct 11 05:13:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

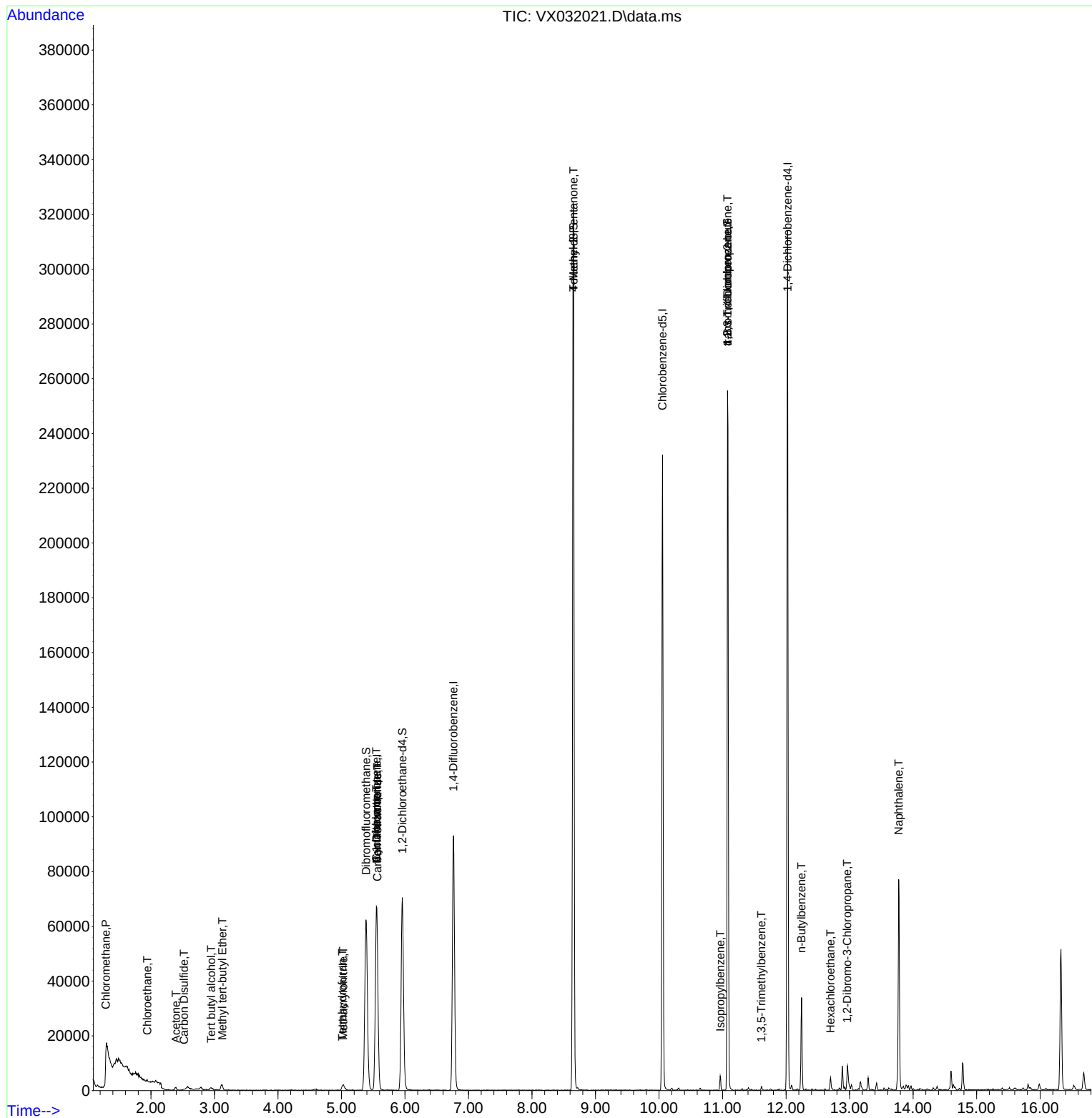
Internal Standards						
1) Pentafluorobenzene	5.556	168	64079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	95021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64873	49.021	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.040%		
35) Dibromofluoromethane	5.385	113	53187	49.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.900%		
50) Toluene-d8	8.653	98	194380	50.223	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.440%		
62) 4-Bromofluorobenzene	11.079	95	63920	46.716	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.440%		
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	432	0.433	ug/l #	41
5) Bromomethane	1.617	94	168	Below Cal	#	76
6) Chloroethane	1.941	64	646	0.650	ug/l #	43
11) Tert butyl alcohol	2.946	59	684	4.154	ug/l #	73
16) Acetone	2.392	43	1209	2.688	ug/l	90
17) Carbon Disulfide	2.520	76	614	0.293	ug/l #	75
19) Methyl tert-butyl Ether	3.123	73	2234	0.682	ug/l	94
29) Tetrahydrofuran	5.013	42	967	2.132	ug/l #	46
31) Cyclohexane	5.550	56	1520	0.961	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	5202	3.647	ug/l #	48
38) Carbon Tetrachloride	5.562	117	6548	4.490	ug/l #	17
41) Methacrylonitrile	5.025	41	1115	1.597	ug/l #	48
51) 4-Methyl-2-Pentanone	8.653	43	776	0.575	ug/l #	1
73) Isopropylbenzene	10.963	105	2752	0.605	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	34826	28.180	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.610	105	880	0.233	ug/l	71
81) trans-1,4-Dichloro-2-b...	11.079	75	34826	96.403	ug/l #	11
89) n-Butylbenzene	12.244	91	2171	0.666	ug/l #	44
90) Hexachloroethane	12.701	117	1976	4.418	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.963	75	214	0.809	ug/l #	3
95) Naphthalene	13.774	128	46514	10.546	ug/l	100

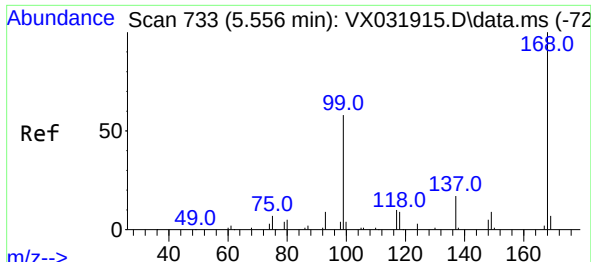
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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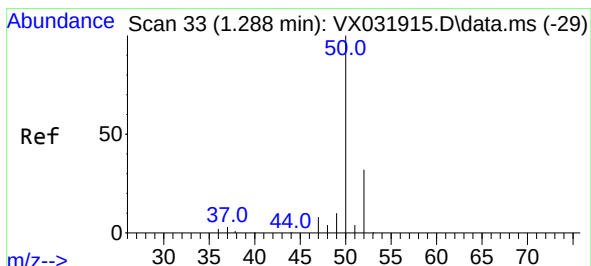
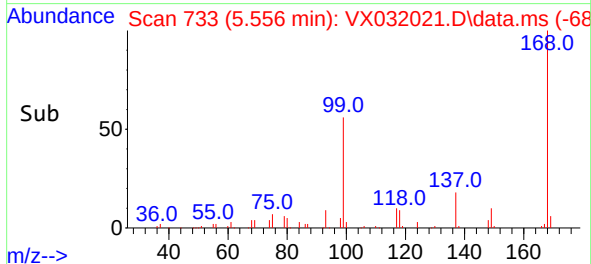
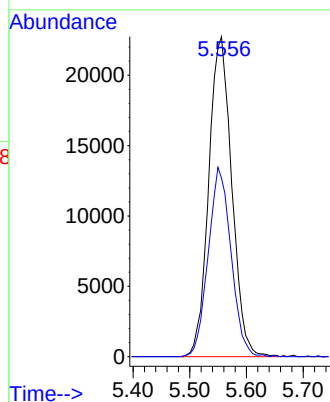
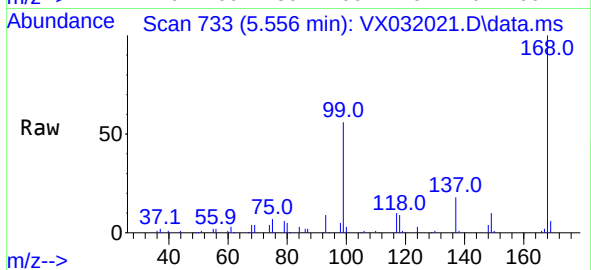




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

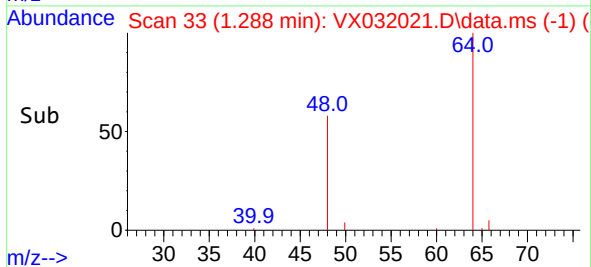
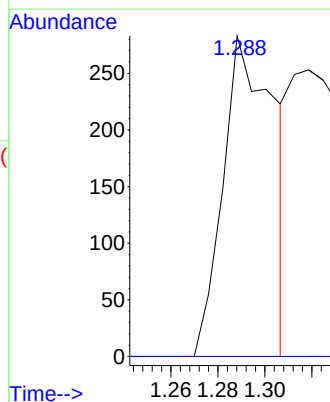
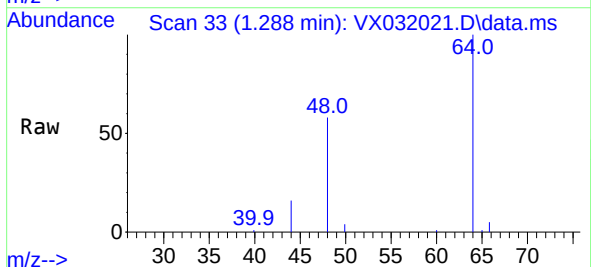
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

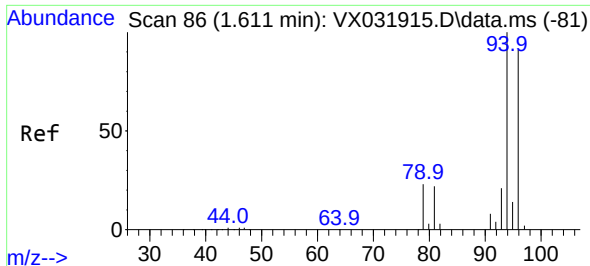
Tgt Ion:168 Resp: 64079
Ion Ratio Lower Upper
168 100
99 55.8 48.8 73.2



#3
Chloromethane
Concen: 0.433 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 50 Resp: 432
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

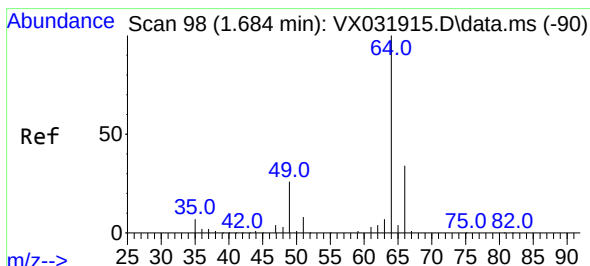
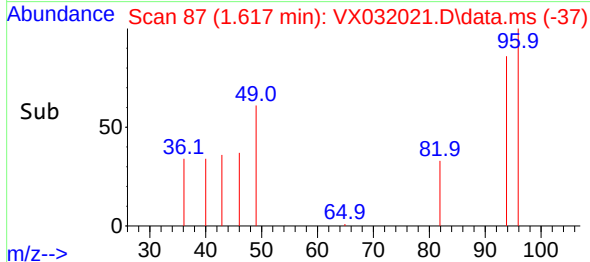
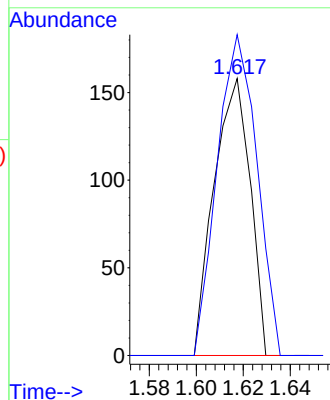
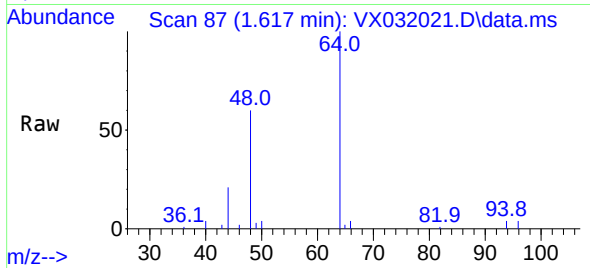




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

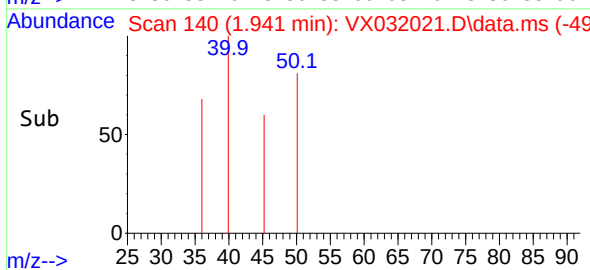
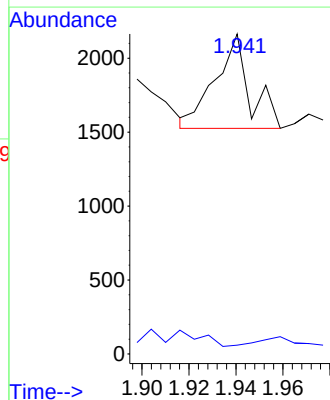
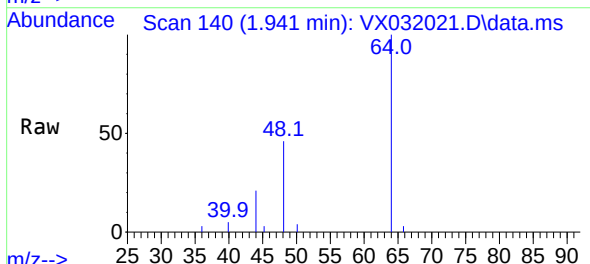
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

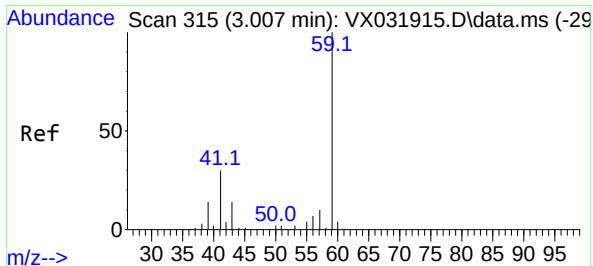
Tgt Ion: 94 Resp: 168
Ion Ratio Lower Upper
94 100
96 115.8 74.4 111.6#



#6
Chloroethane
Concen: 0.650 ug/l
RT: 1.941 min Scan# 140
Delta R.T. 0.257 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 64 Resp: 646
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: 4.154 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.061 min

Lab File: VX032021.D

Acq: 10 Oct 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

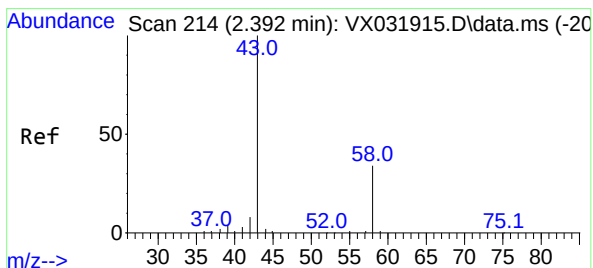
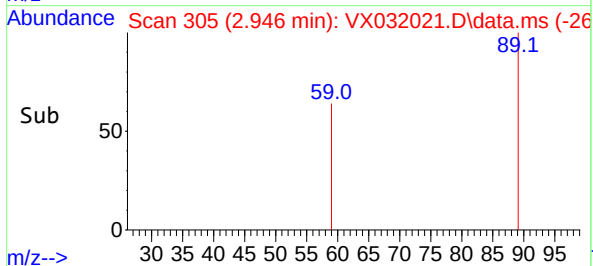
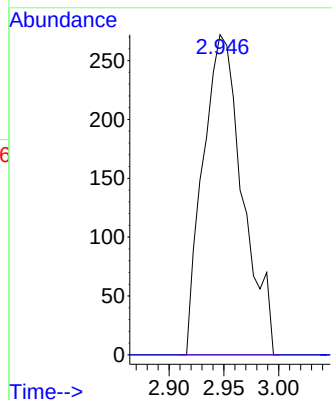
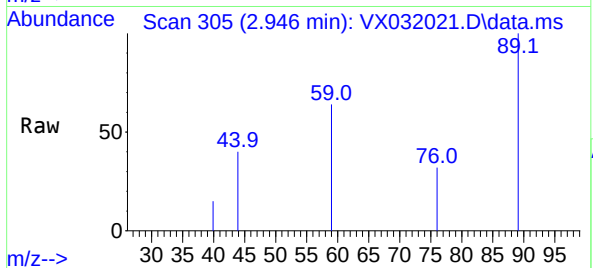
MW-6R

Tgt Ion: 59 Resp: 684

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 2.688 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX032021.D

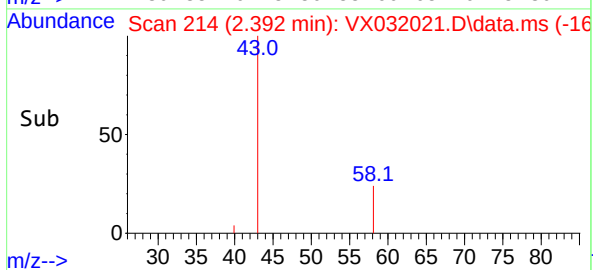
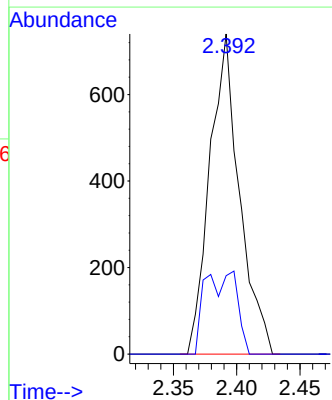
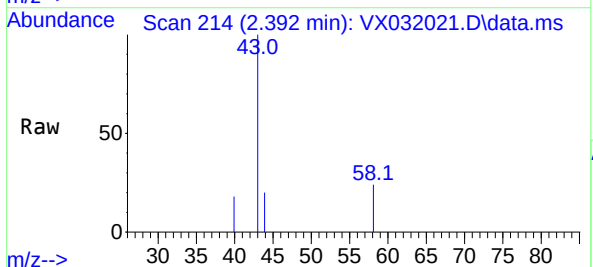
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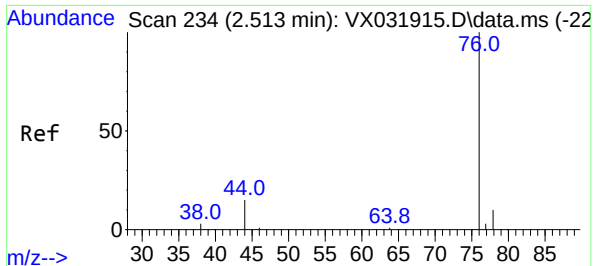
Tgt Ion: 43 Resp: 1209

Ion Ratio Lower Upper

43 100

58 24.5 23.8 35.8

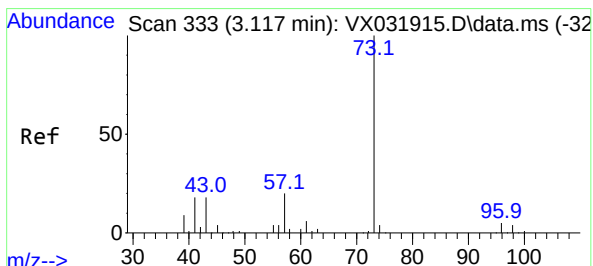
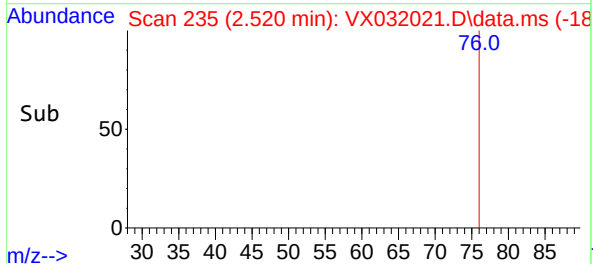
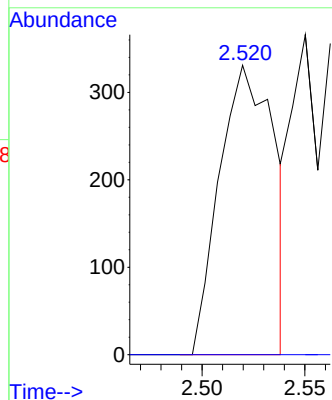
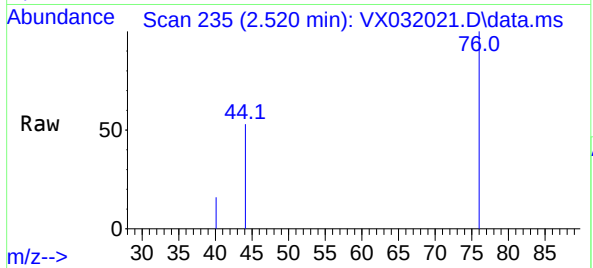




#17
Carbon Disulfide
Concen: 0.293 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

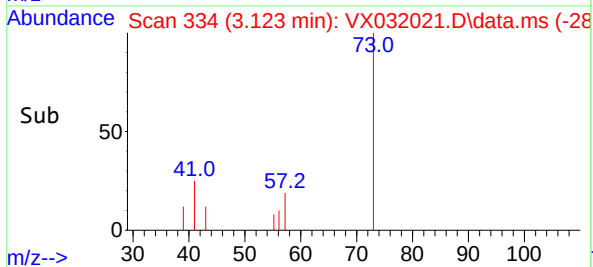
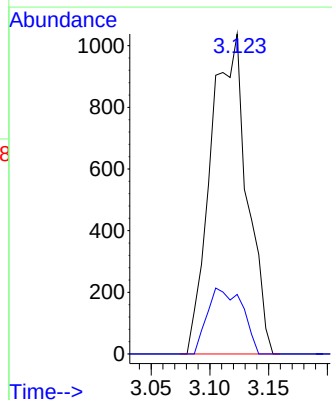
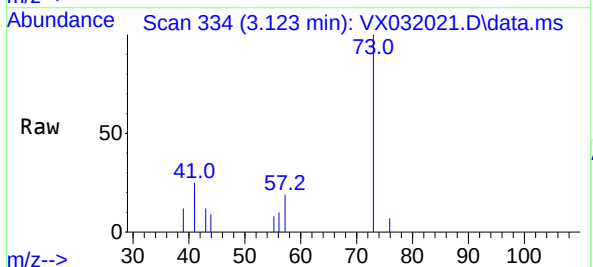
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

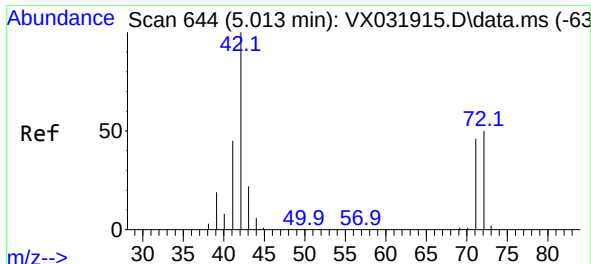
Tgt Ion: 76 Resp: 614
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 0.682 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 73 Resp: 2234
Ion Ratio Lower Upper
73 100
57 18.6 17.2 25.8





#29

Tetrahydrofuran

Concen: 2.132 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX032021.D

Acq: 10 Oct 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-6R

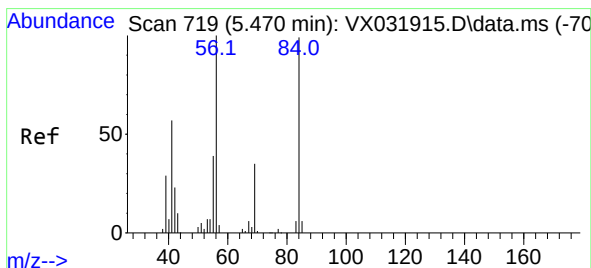
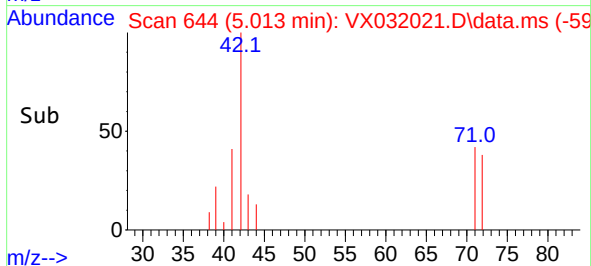
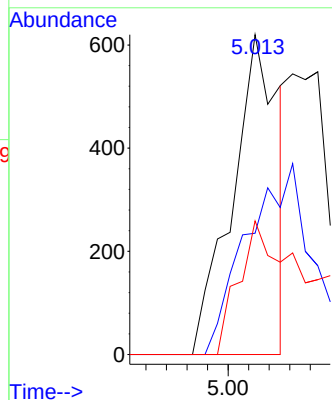
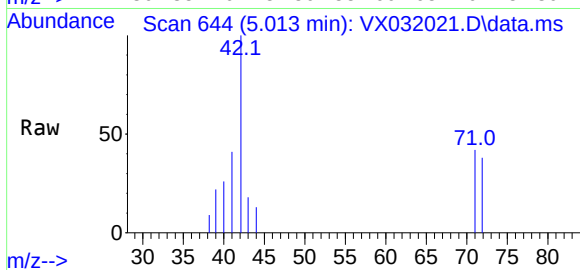
Tgt Ion: 42 Resp: 967

Ion Ratio Lower Upper

42 100

72 94.1 36.4 54.6#

71 61.7 33.5 50.3#



#31

Cyclohexane

Concen: 0.961 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX032021.D

Acq: 10 Oct 2022 18:36

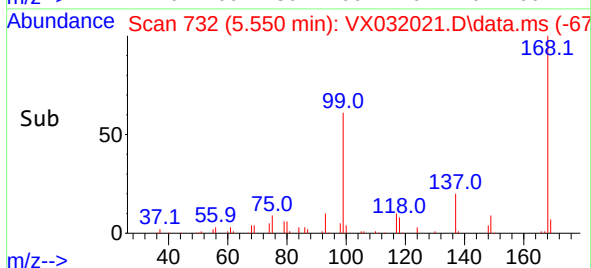
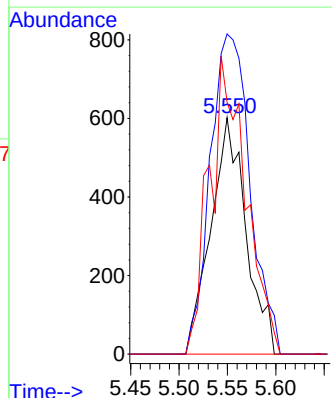
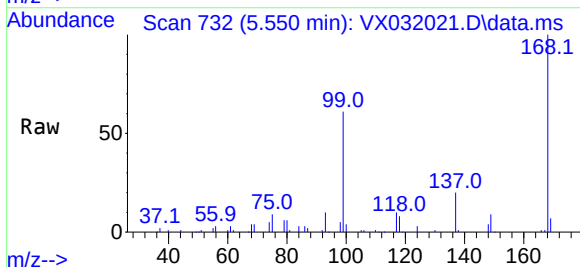
Tgt Ion: 56 Resp: 1520

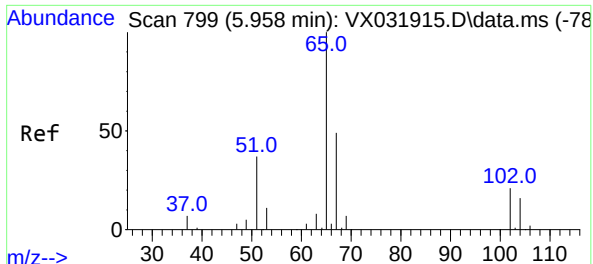
Ion Ratio Lower Upper

56 100

69 135.4 25.1 37.7#

84 106.5 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 49.021 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032021.D

Acq: 10 Oct 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

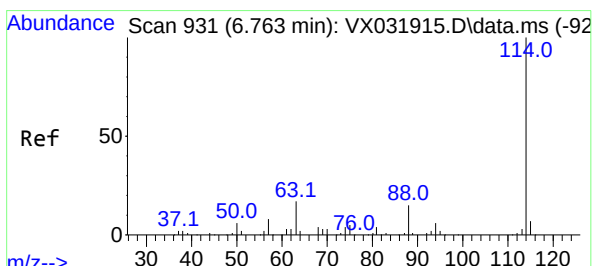
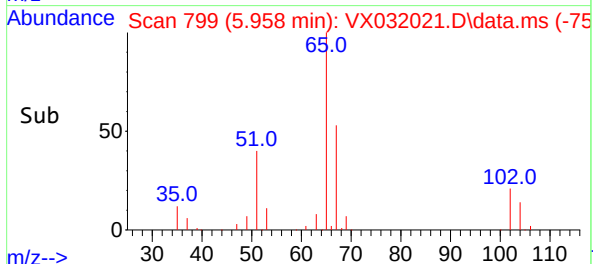
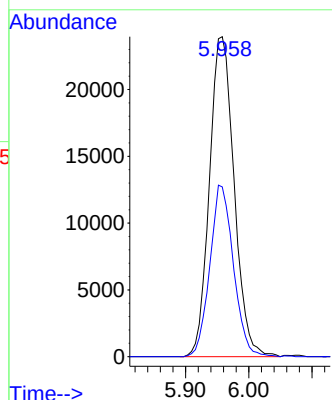
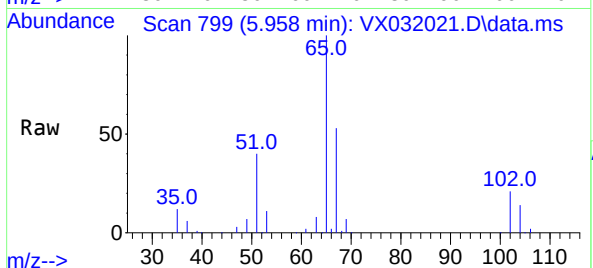
MW-6R

Tgt Ion: 65 Resp: 64873

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032021.D

Acq: 10 Oct 2022 18:36

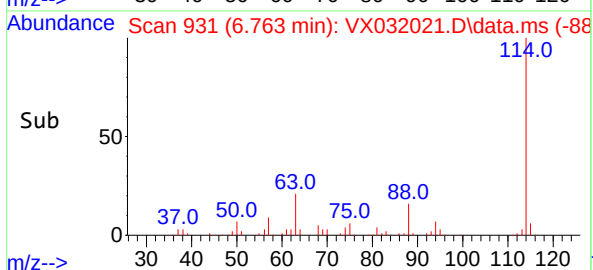
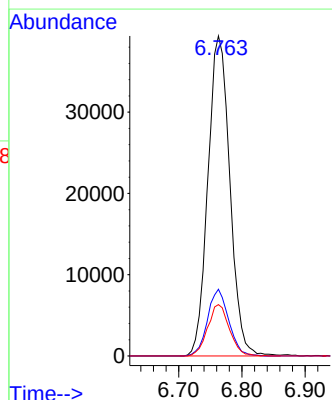
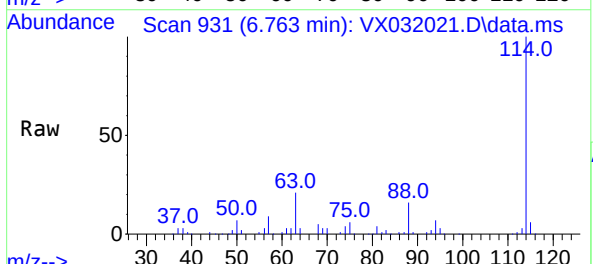
Tgt Ion: 114 Resp: 95021

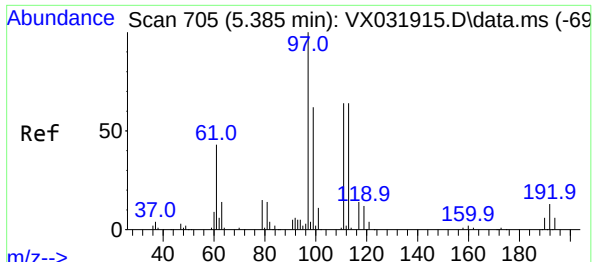
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 16.1 0.0 33.0

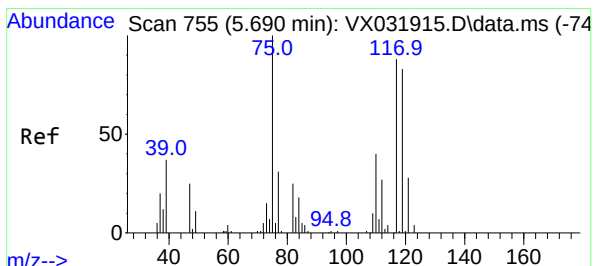
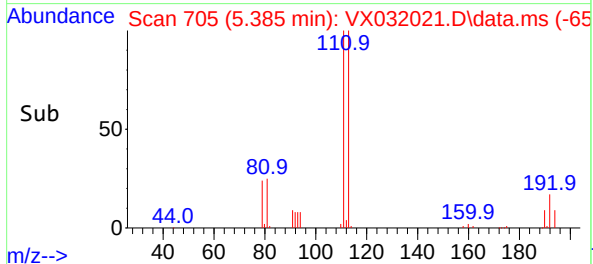
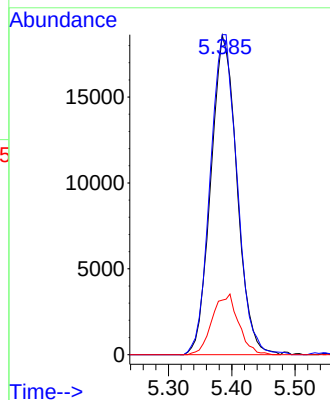
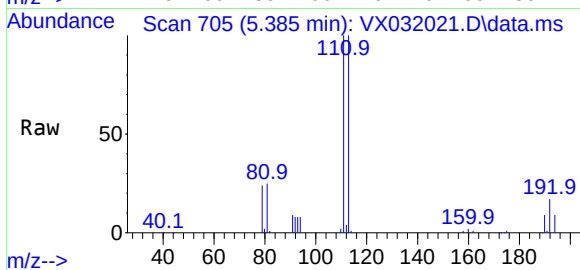




#35
Dibromofluoromethane
Concen: 49.449 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

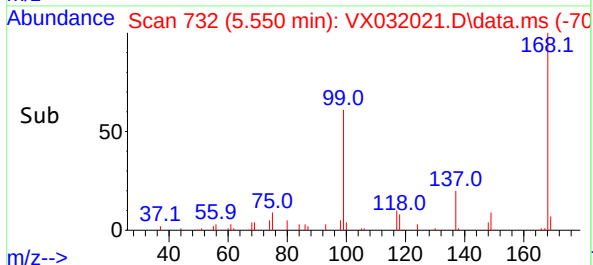
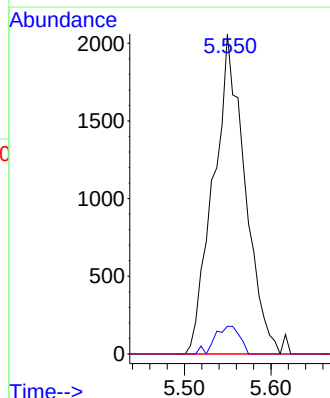
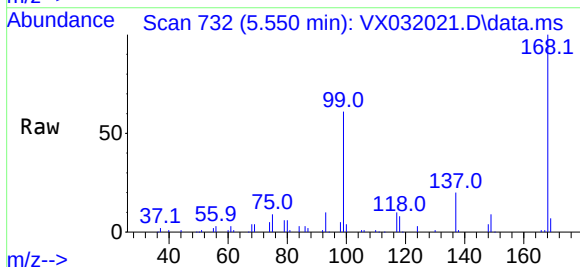
Instrument :
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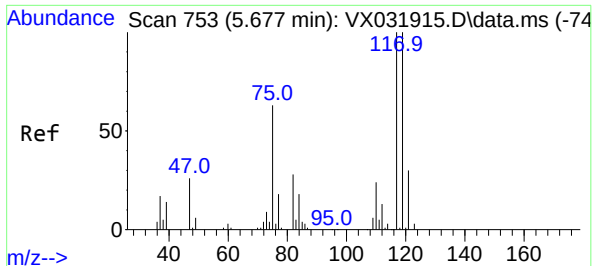
Tgt Ion:113 Resp: 53187
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 19.0 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.647 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 75 Resp: 5202
Ion Ratio Lower Upper
75 100
110 6.8 17.5 52.5#
77 0.0 24.9 37.3#

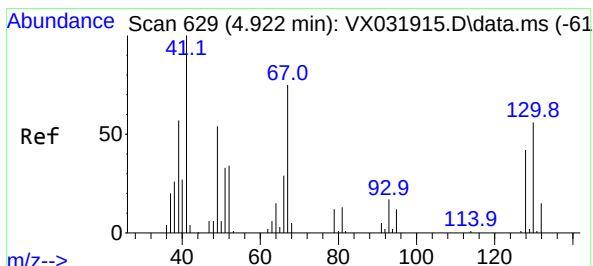
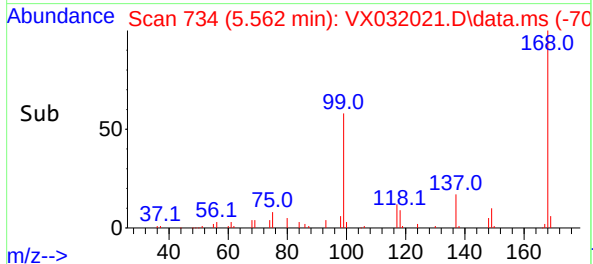
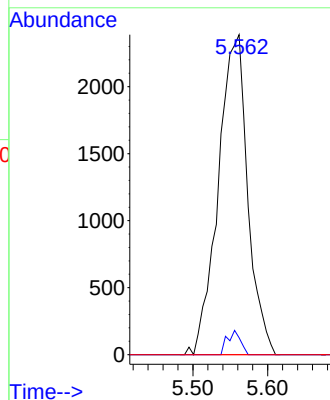
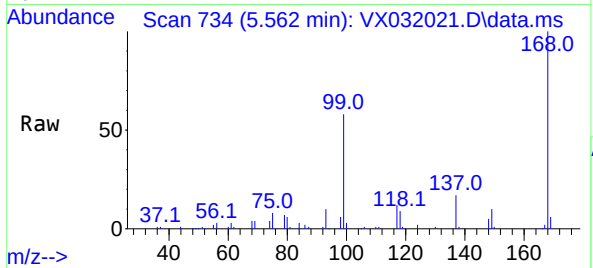




#38
Carbon Tetrachloride
Concen: 4.490 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.115 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

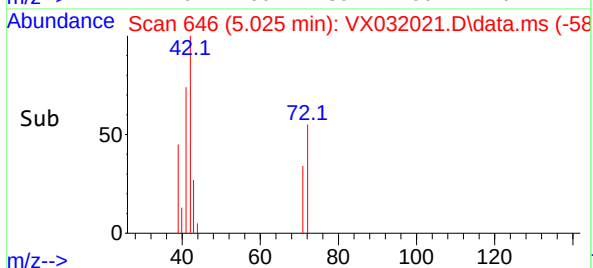
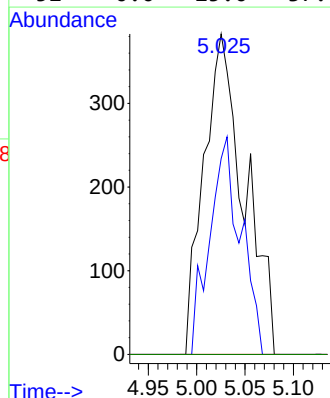
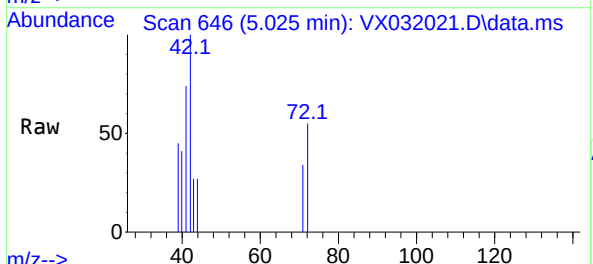
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

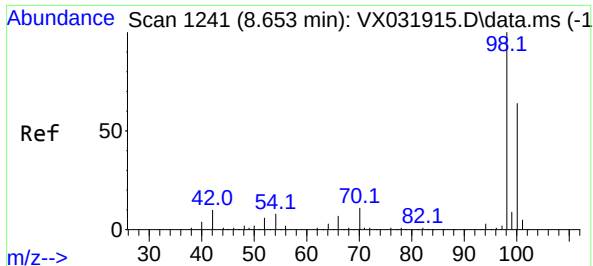
Tgt Ion:117 Resp: 6548
Ion Ratio Lower Upper
117 100
119 5.3 74.6 112.0#
121 0.0 25.3 37.9#



#41
Methacrylonitrile
Concen: 1.597 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 41 Resp: 1115
Ion Ratio Lower Upper
41 100
39 52.3 45.0 67.6
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#

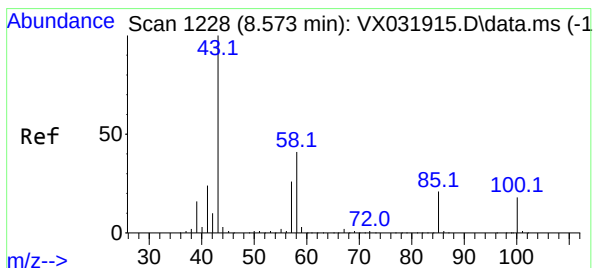
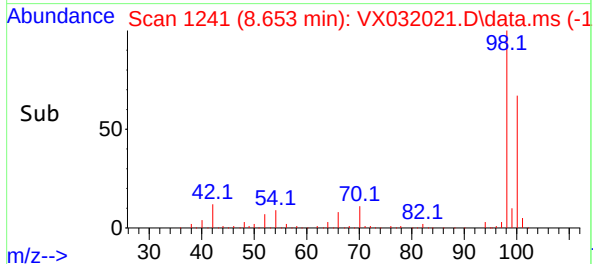
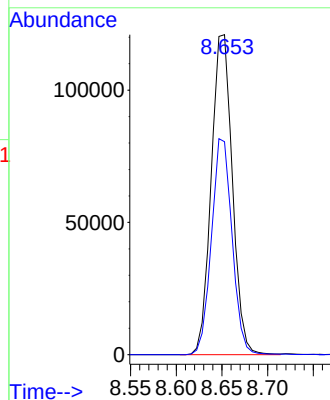
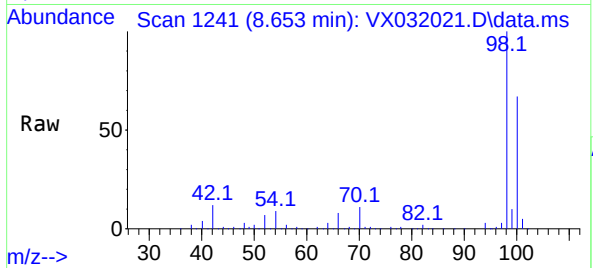




#50
Toluene-d8
Concen: 50.223 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

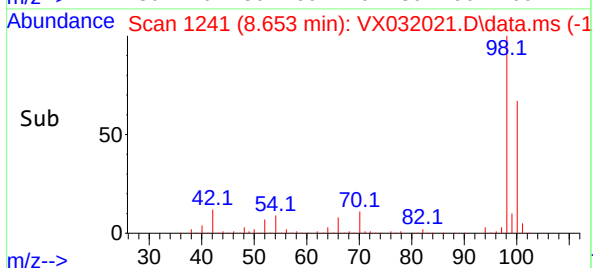
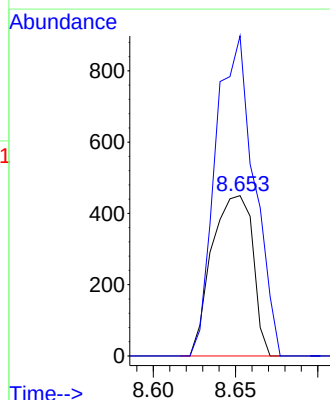
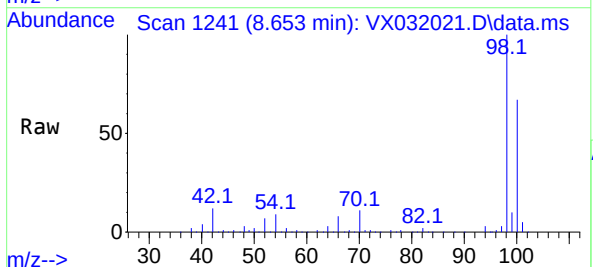
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

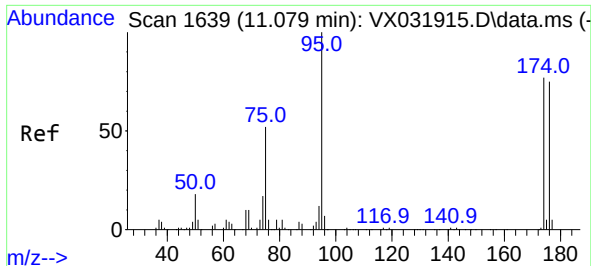
Tgt Ion: 98 Resp: 194380
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.575 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
58 189.2 30.6 46.0#

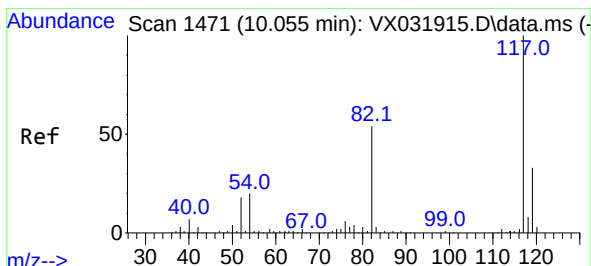
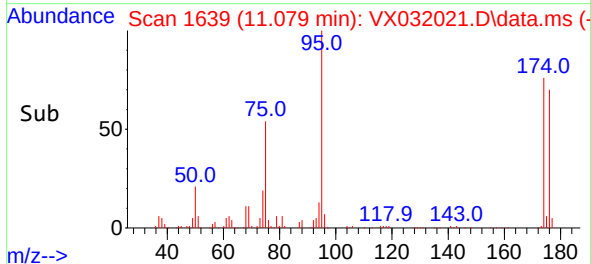
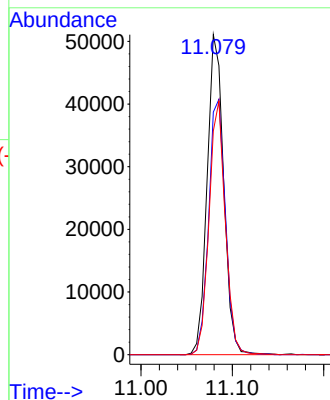
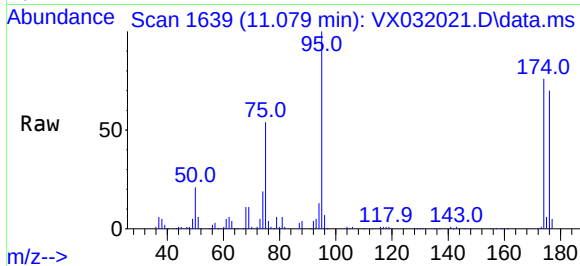




#62
4-Bromofluorobenzene
Concen: 46.716 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

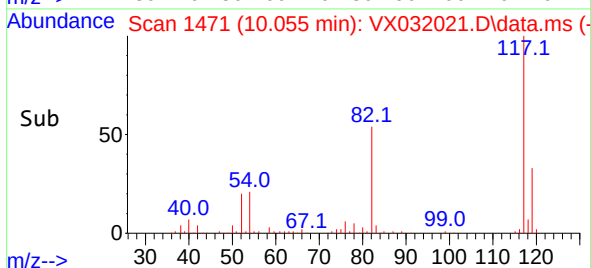
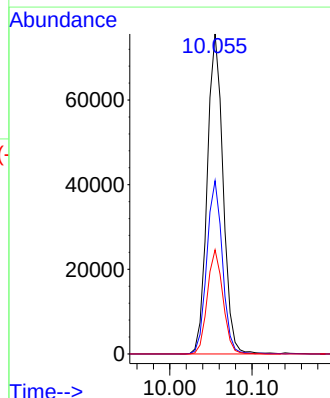
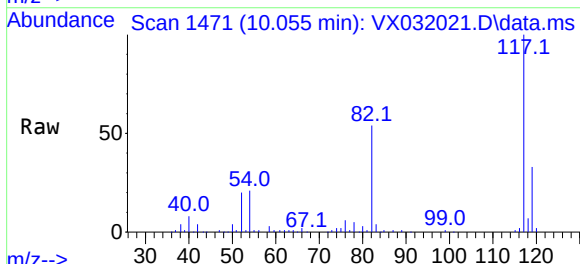
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

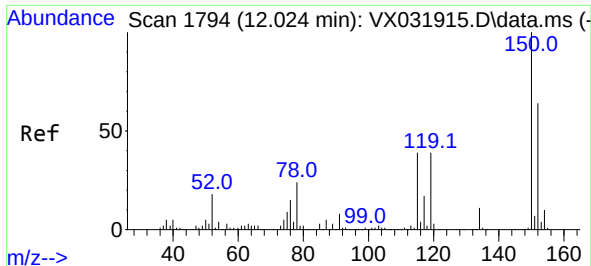
Tgt Ion: 95 Resp: 63920
Ion Ratio Lower Upper
95 100
174 81.2 0.0 153.2
176 77.9 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 117 Resp: 101098
Ion Ratio Lower Upper
117 100
82 54.1 46.8 70.2
119 32.6 26.4 39.6

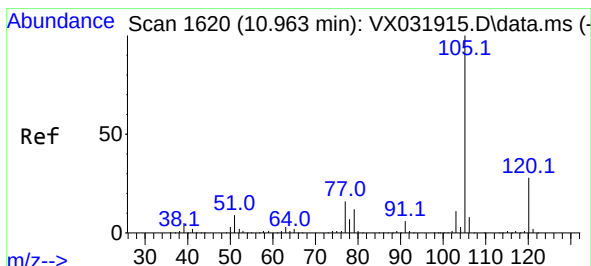
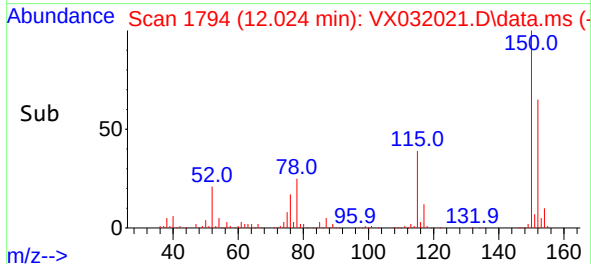
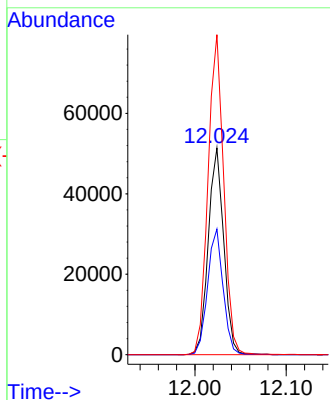
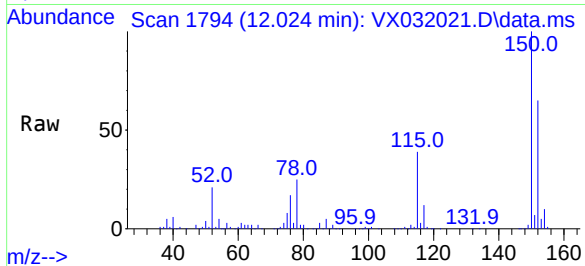




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

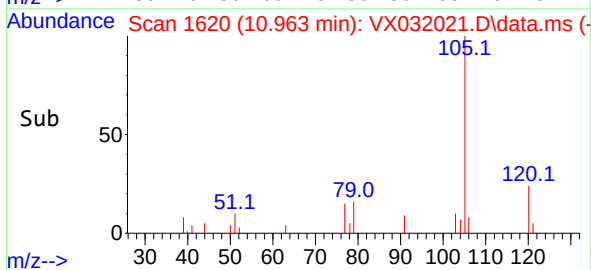
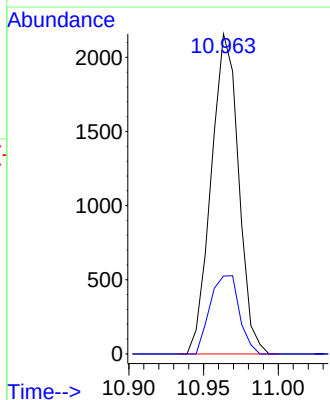
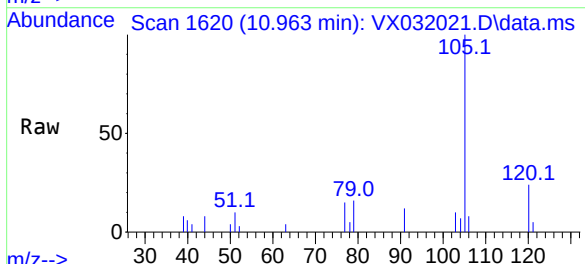
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

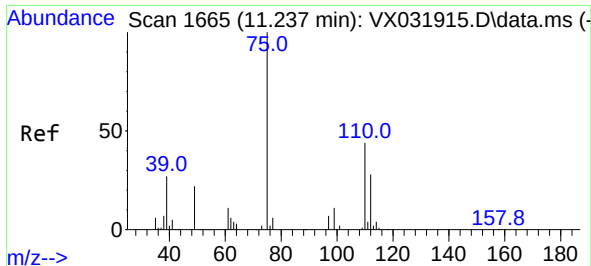
Tgt Ion:152 Resp: 60300
Ion Ratio Lower Upper
152 100
115 61.3 43.4 130.1
150 157.0 0.0 346.8



#73
Isopropylbenzene
Concen: 0.605 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion:105 Resp: 2752
Ion Ratio Lower Upper
105 100
120 26.0 13.7 41.0

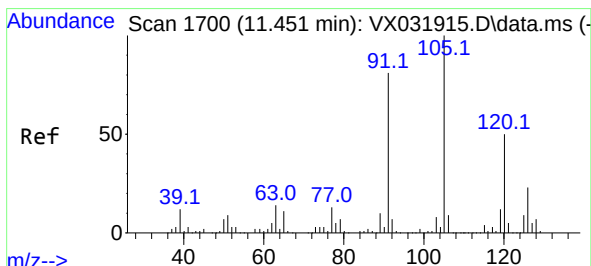
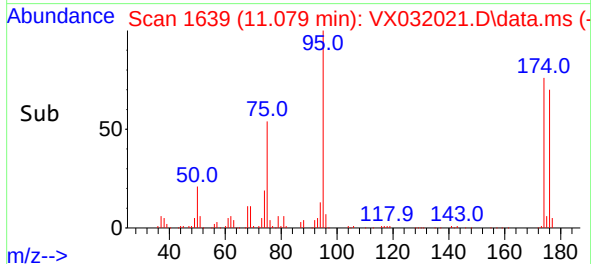
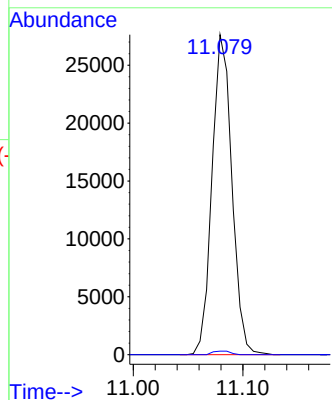
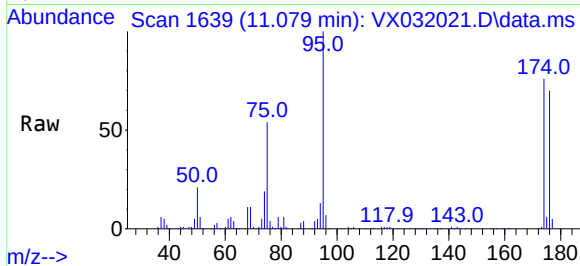




#76
1,2,3-Trichloropropane
Concen: 28.180 ug/l
RT: 11.079 min Scan# 11079
Delta R.T. -0.158 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

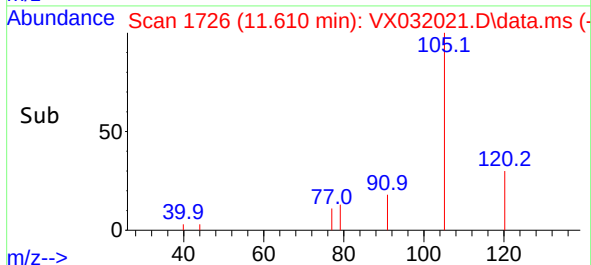
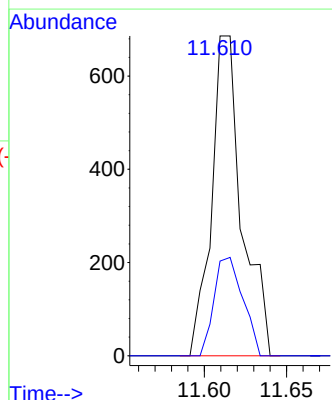
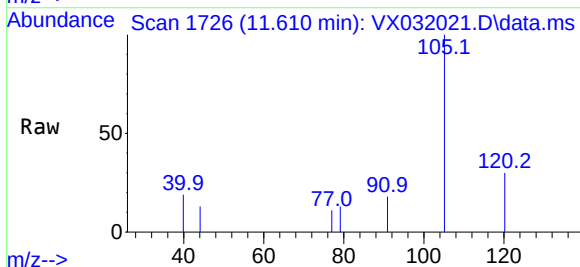
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

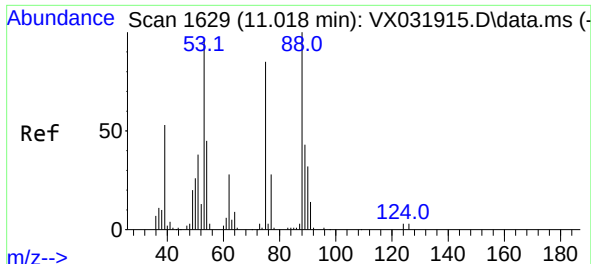
Tgt Ion: 75 Resp: 34826
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.233 ug/l
RT: 11.610 min Scan# 1726
Delta R.T. 0.159 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 105 Resp: 880
Ion Ratio Lower Upper
105 100
120 29.2 24.5 73.5

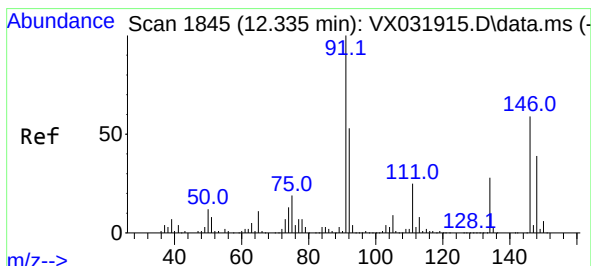
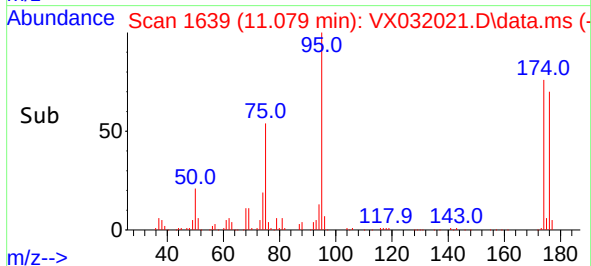
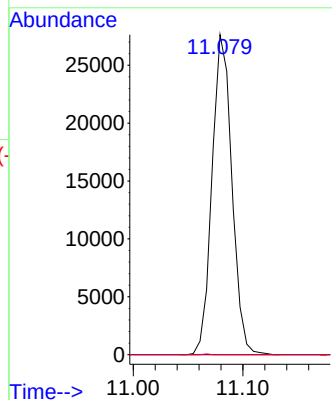
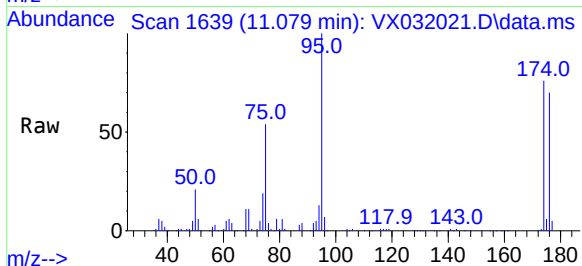




#81
trans-1,4-Dichloro-2-butene
Concen: 96.403 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

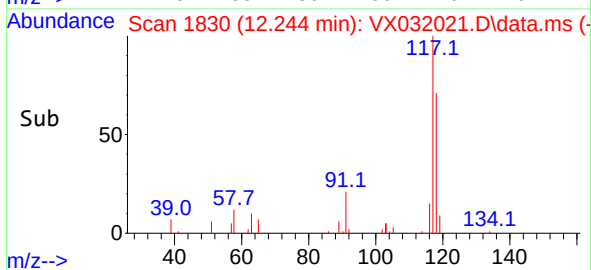
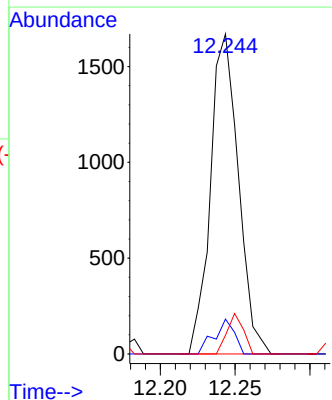
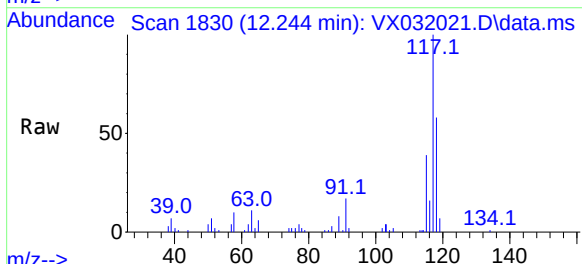
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

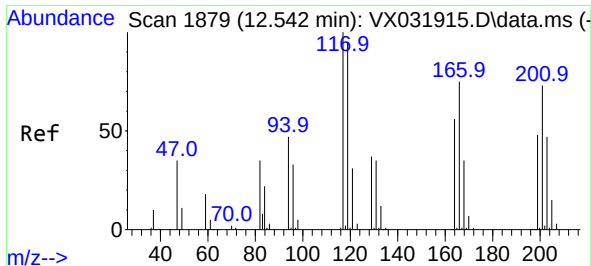
Tgt Ion: 75 Resp: 34826
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.1 37.4 56.0#



#89
n-Butylbenzene
Concen: 0.666 ug/l
RT: 12.244 min Scan# 1830
Delta R.T. -0.091 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 91 Resp: 2171
Ion Ratio Lower Upper
91 100
92 7.8 27.0 81.0#
134 7.3 13.3 39.9#

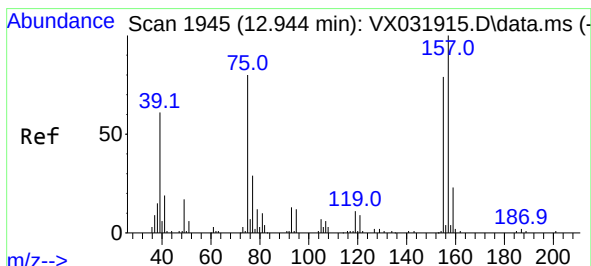
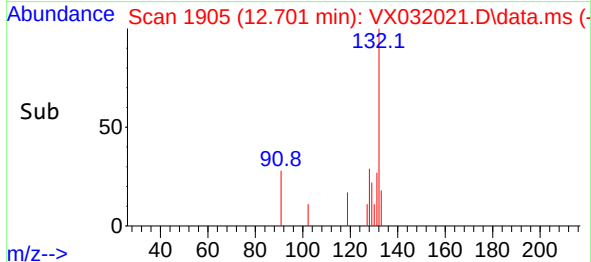
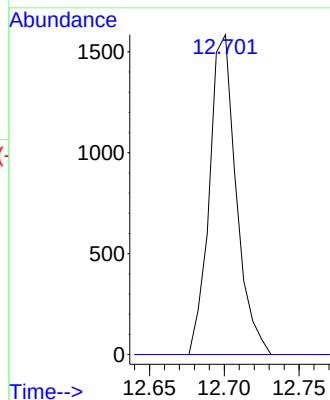
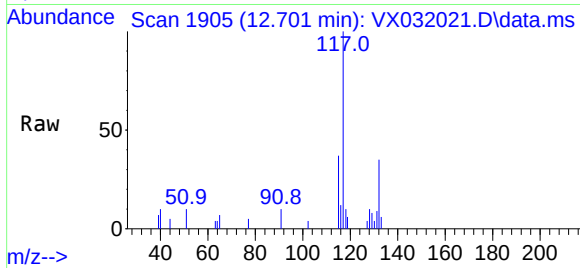




#90
Hexachloroethane
Concen: 4.418 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

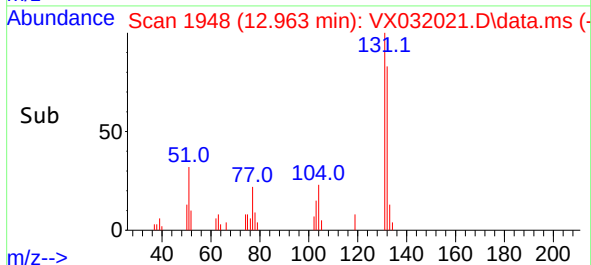
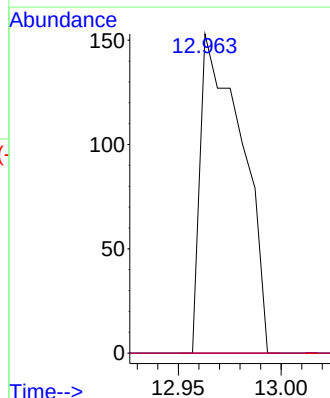
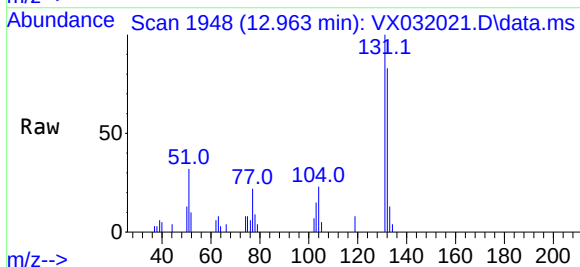
Instrument :
MSVOA_X
ClientSampleId :
MW-6R

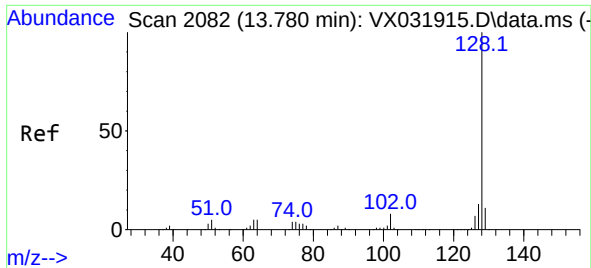
Tgt Ion:117 Resp: 1976
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.809 ug/l
RT: 12.963 min Scan# 1948
Delta R.T. 0.019 min
Lab File: VX032021.D
Acq: 10 Oct 2022 18:36

Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.5 154.5#





#95

Naphthalene

Concen: 10.546 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX032021.D

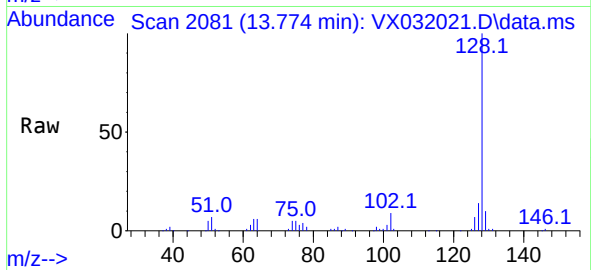
Acq: 10 Oct 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-6R



Tgt Ion:128 Resp: 46514

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.8 8.8 13.2

