

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031180.D
 Acq On : 07 Sep 2022 23:29
 Operator : JC/MD
 Sample : N4355-01DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-31DL

Quant Time: Sep 08 00:57:26 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)

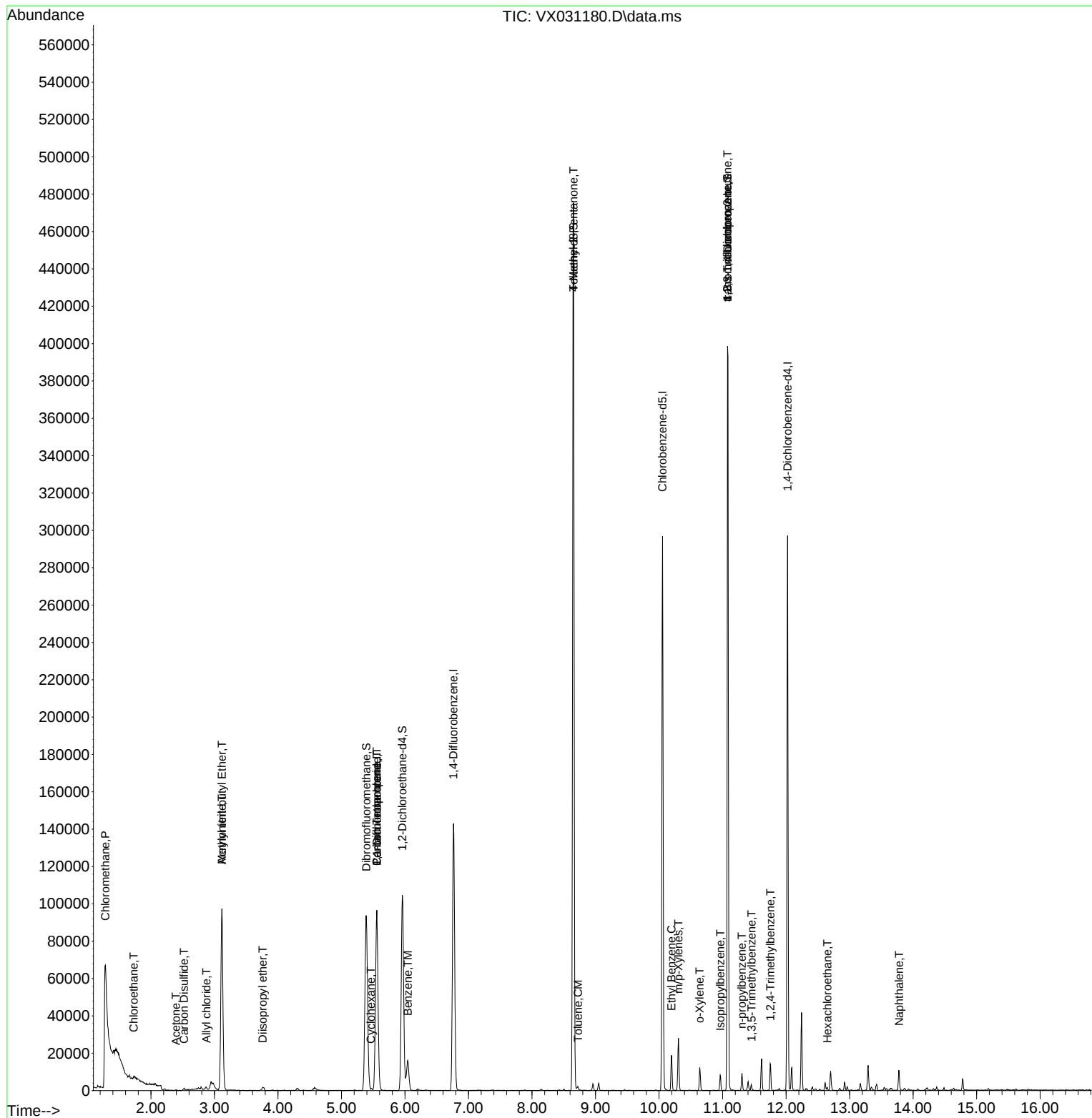
Internal Standards						
1) Pentafluorobenzene	5.556	168	81887	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	144284	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	110771	57.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.280%			
35) Dibromofluoromethane	5.391	113	84815	53.943	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.880%			
50) Toluene-d8	8.653	98	290429	50.841	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	11.079	95	114255	54.577	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.160%			
Target Compounds						Qvalue
3) Chloromethane	1.282	50	4062	4.017	ug/l	# 42
6) Chloroethane	1.727	64	1593	2.379	ug/l	# 41
11) Tert butyl alcohol	2.983	59	6975	Below Cal		# 74
14) Allyl chloride	2.873	41	440	0.237	ug/l	# 68
15) Acrylonitrile	3.117	53	1305	1.768	ug/l	# 28
16) Acetone	2.392	43	500	0.745	ug/l	# 86
17) Carbon Disulfide	2.520	76	1333	0.392	ug/l	# 90
19) Methyl tert-butyl Ether	3.117	73	111527	22.712	ug/l	91
22) Diisopropyl ether	3.757	45	1582	0.406	ug/l	# 58
31) Cyclohexane	5.464	56	465	0.215	ug/l	# 82
36) 1,1-Dichloropropene	5.556	75	6888	2.925	ug/l	# 48
38) Carbon Tetrachloride	5.556	117	9522	3.844	ug/l	# 20
40) Benzene	6.043	78	19801	3.096	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	1180	0.585	ug/l	# 1
52) Toluene	8.726	92	992	0.235	ug/l	88
67) Ethyl Benzene	10.195	91	10800	1.555	ug/l	# 85
68) m/p-Xylenes	10.305	106	6300	2.447	ug/l	91
69) o-Xylene	10.640	106	2615	1.018	ug/l	90
73) Isopropylbenzene	10.963	105	4216	0.855	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	60511	39.030	ug/l	# 37
78) n-propylbenzene	11.305	91	5650	1.005	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	1816	0.438	ug/l	88
81) trans-1,4-Dichloro-2-b...	11.079	75	60511	125.869	ug/l	# 13
84) 1,2,4-Trimethylbenzene	11.756	105	6395	1.586	ug/l	89
90) Hexachloroethane	12.652	117	960	1.366	ug/l	# 16
95) Naphthalene	13.780	128	7571	1.691	ug/l	98

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

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Quant Time: Sep 08 00:57:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 07 23:22:41 2022
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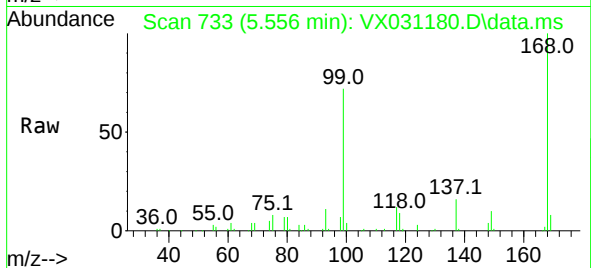
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Instrument :

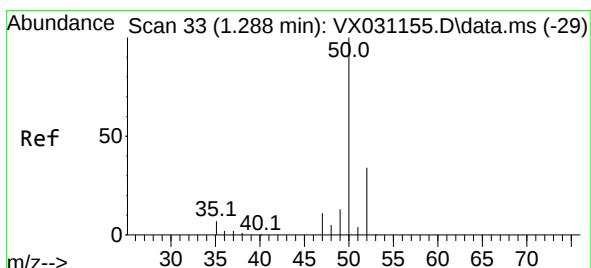
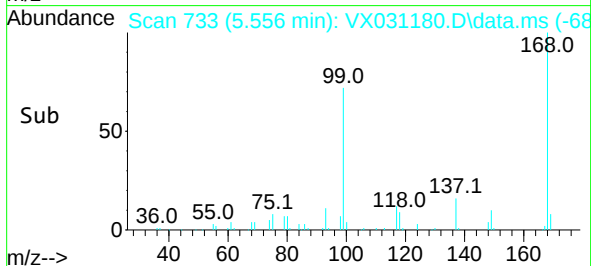
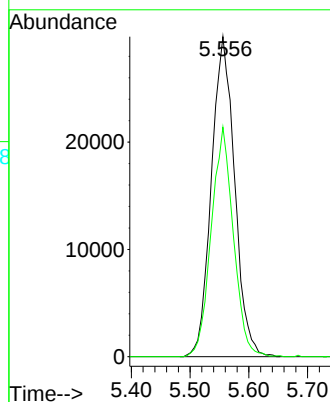
MSVOA_X

ClientSampleId :

MW-31DL

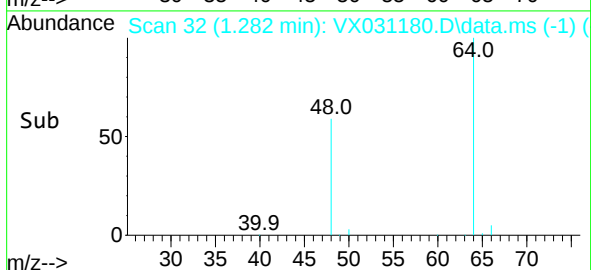
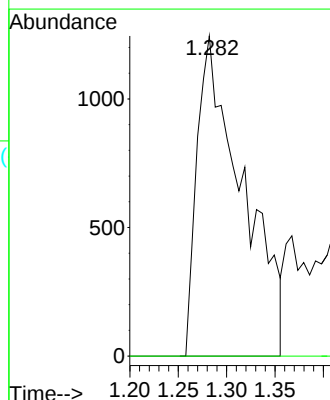
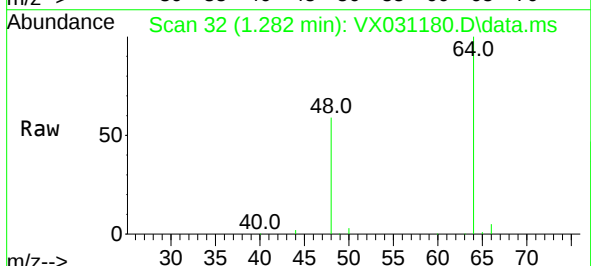


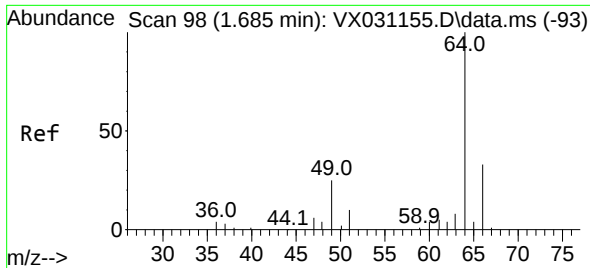
Tgt Ion:168 Resp: 81887
Ion Ratio Lower Upper
168 100
99 71.7 44.0 66.0#



#3
Chloromethane
Concen: 4.017 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 50 Resp: 4062
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

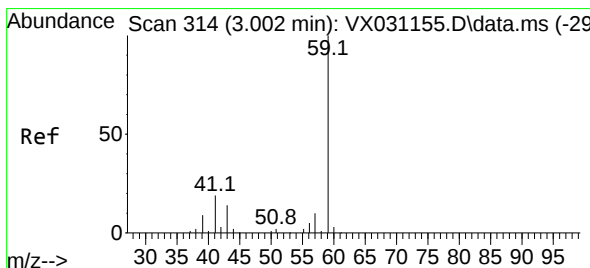
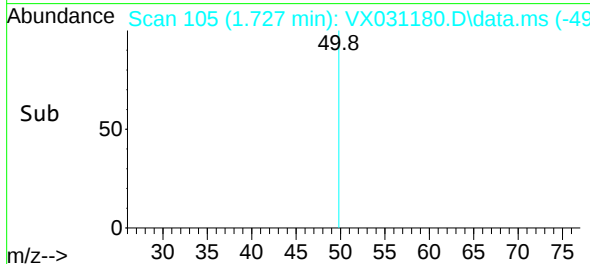
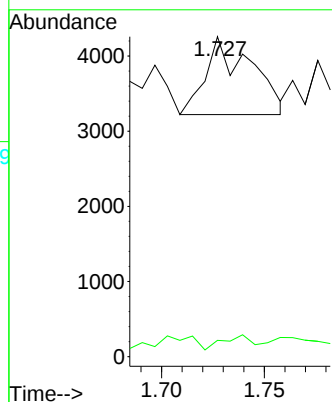
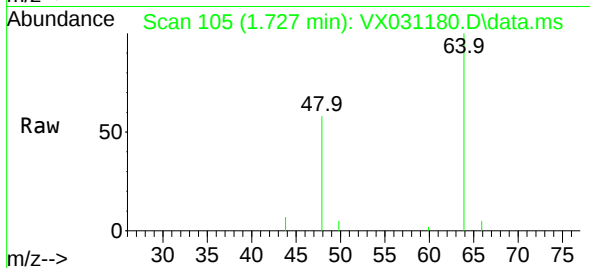




#6
Chloroethane
Concen: 2.379 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.042 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

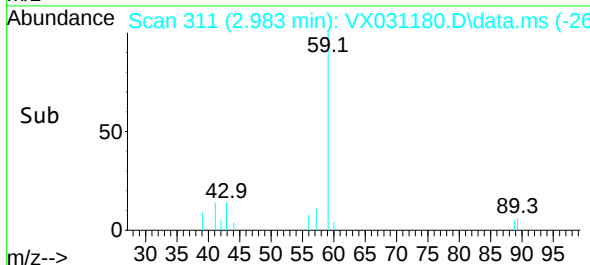
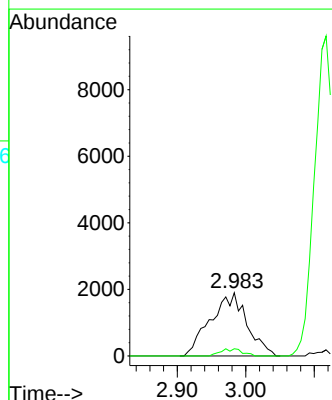
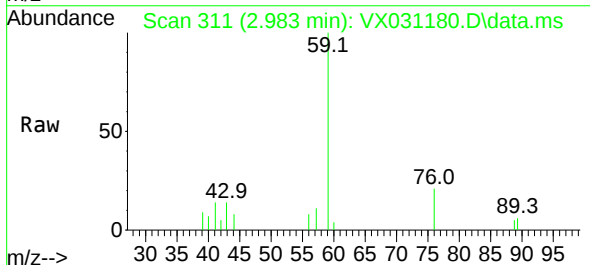
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

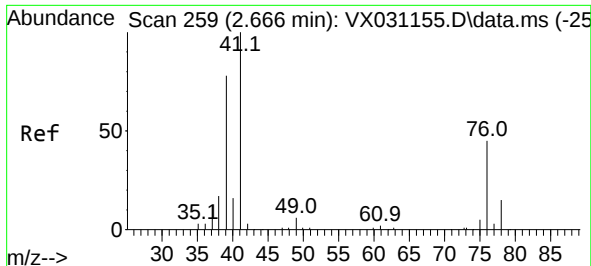
Tgt Ion: 64 Resp: 1593
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.983 min Scan# 311
Delta R.T. -0.019 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 59 Resp: 6975
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#14

Allyl chloride

Concen: 0.237 ug/l

RT: 2.873 min Scan# 21

Delta R.T. 0.207 min

Lab File: VX031180.D

Acq: 07 Sep 2022 23:29

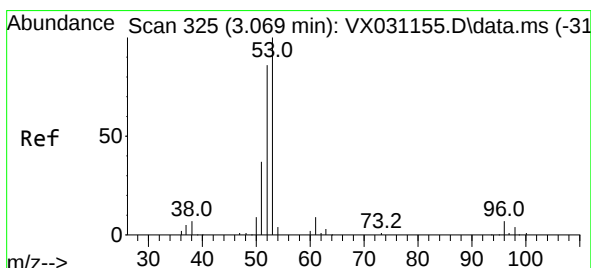
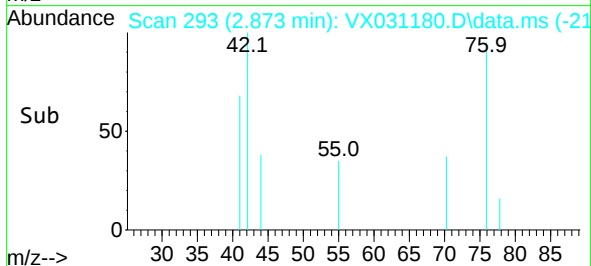
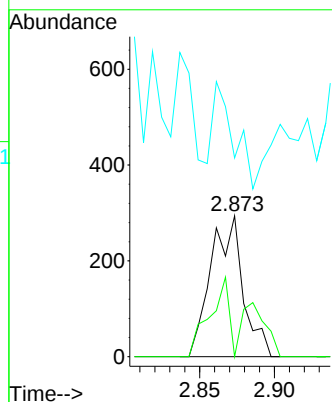
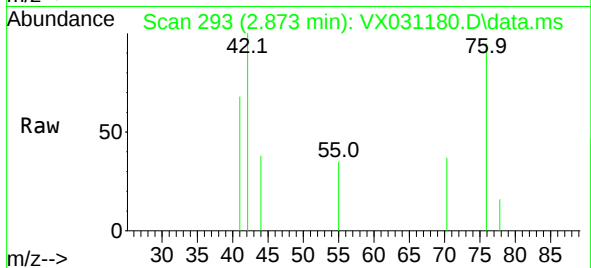
Instrument :

MSVOA_X

ClientSampleId :

MW-31DL

Tgt Ion:	41	Resp:	440
Ion	Ratio	Lower	Upper
41	100		
39	33.9	48.9	73.3#
76	48.6	26.9	40.3#



#15

Acrylonitrile

Concen: 1.768 ug/l

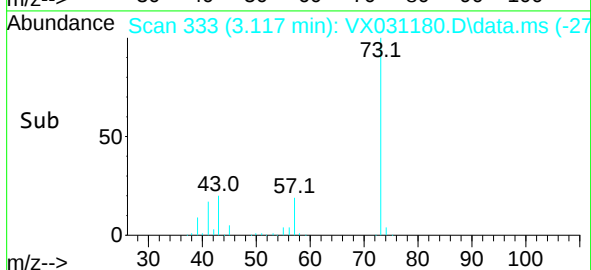
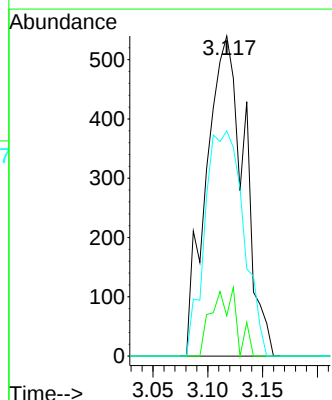
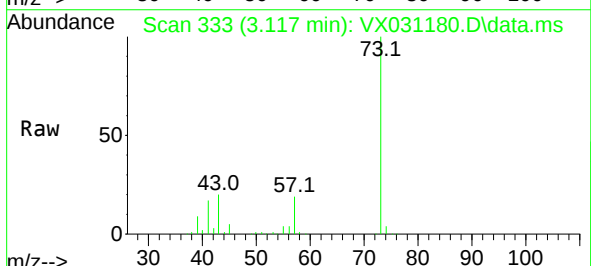
RT: 3.117 min Scan# 333

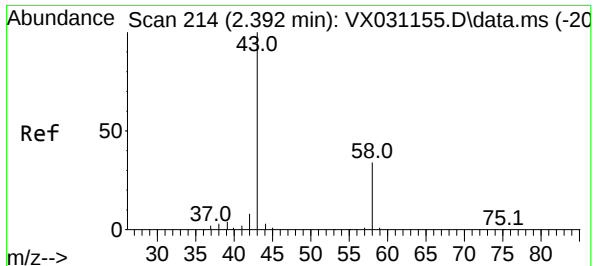
Delta R.T. 0.049 min

Lab File: VX031180.D

Acq: 07 Sep 2022 23:29

Tgt Ion:	53	Resp:	1305
Ion	Ratio	Lower	Upper
53	100		
52	13.8	65.4	98.0#
51	71.3	27.7	41.5#

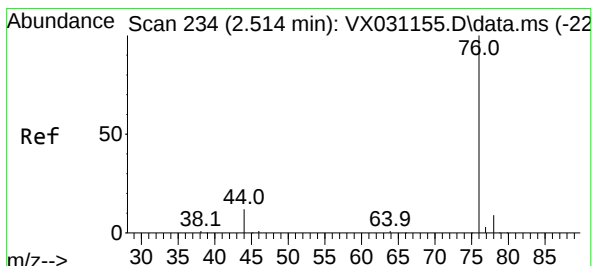
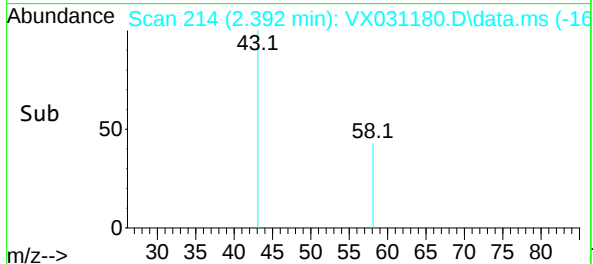
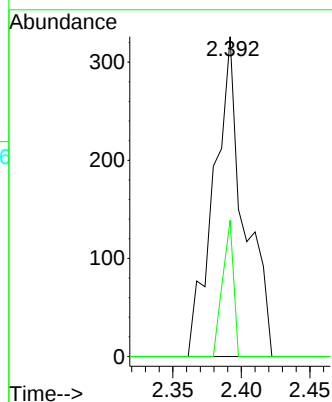
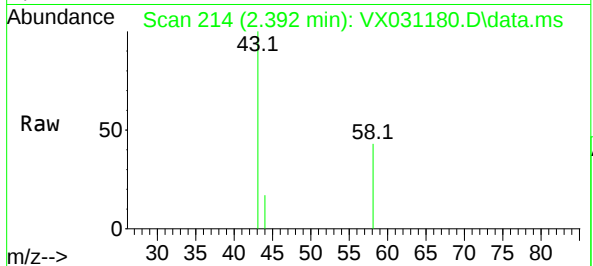




#16
Acetone
Concen: 0.745 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

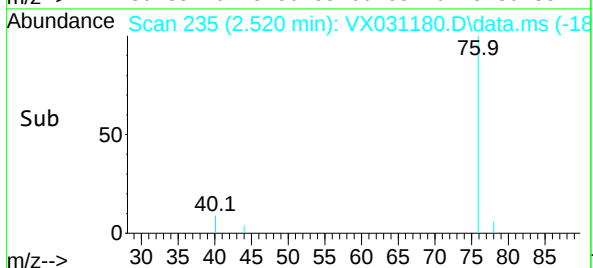
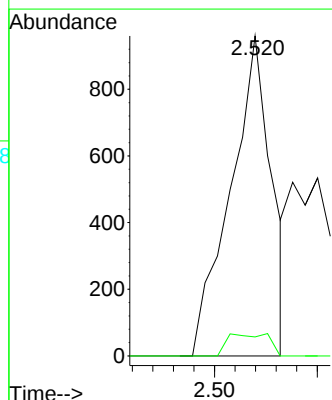
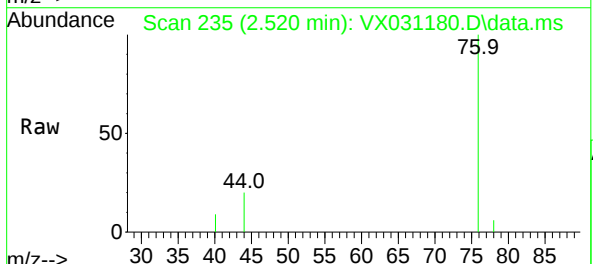
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

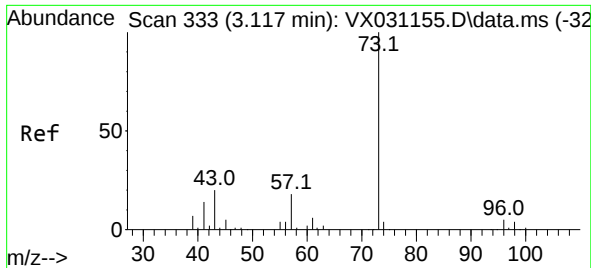
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
58 42.6 27.7 41.5#



#17
Carbon Disulfide
Concen: 0.392 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 76 Resp: 1333
Ion Ratio Lower Upper
76 100
78 5.9 7.8 11.6#

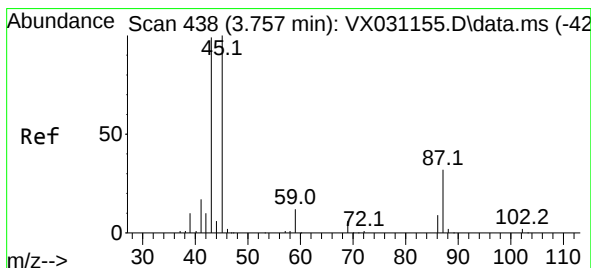
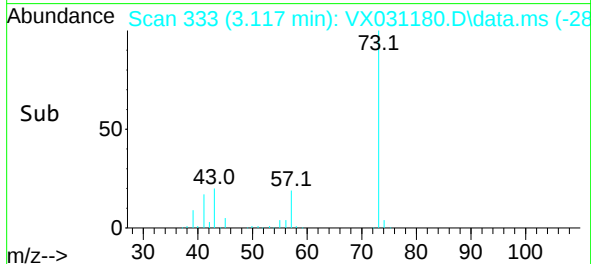
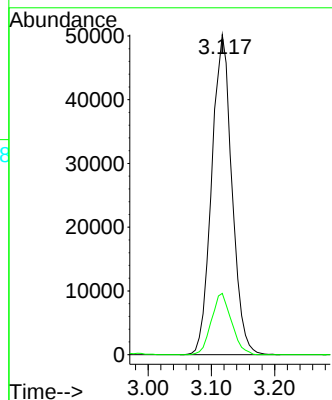
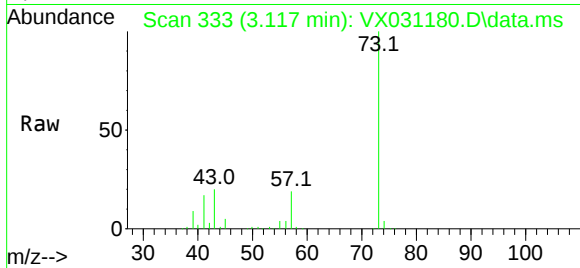




#19
Methyl tert-butyl Ether
Concen: 22.712 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

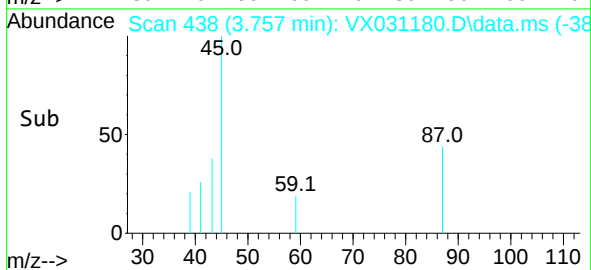
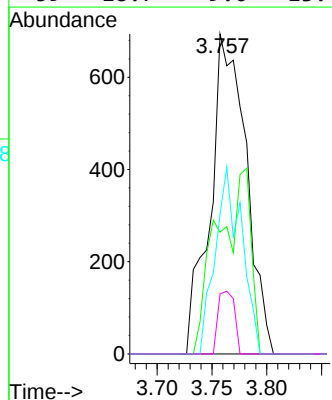
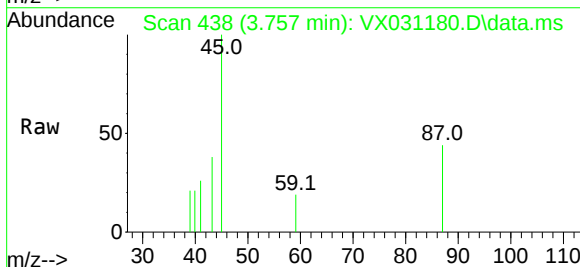
Instrument :
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ClientSampleId :
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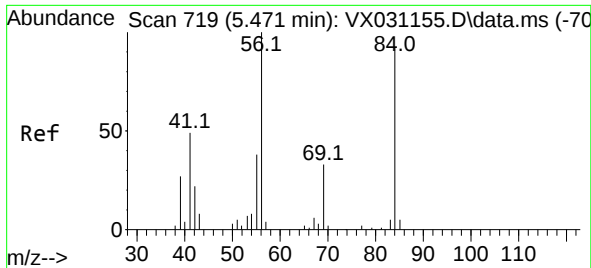
Tgt Ion: 73 Resp: 111527
Ion Ratio Lower Upper
73 100
57 19.1 19.0 28.6



#22
Diisopropyl ether
Concen: 0.406 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 45 Resp: 1582
Ion Ratio Lower Upper
45 100
43 38.0 65.4 98.0#
87 43.7 22.3 33.5#
59 18.7 9.0 13.4#

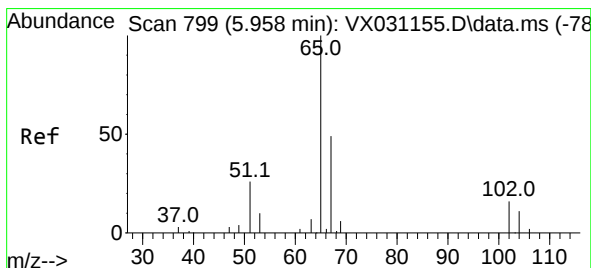
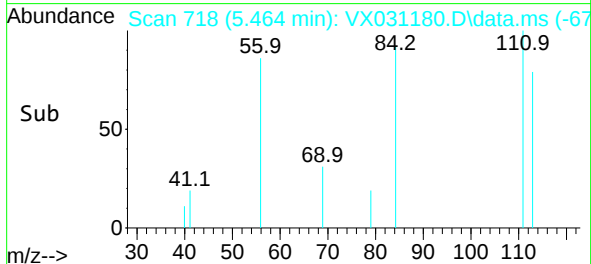
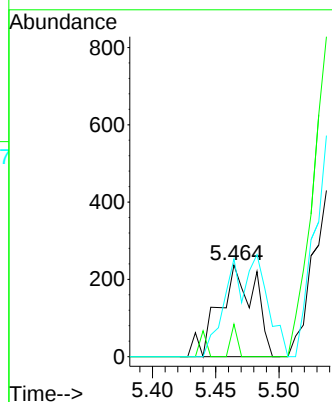
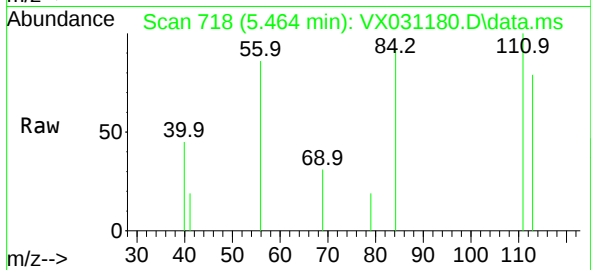




#31
Cyclohexane
Concen: 0.215 ug/l
RT: 5.464 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

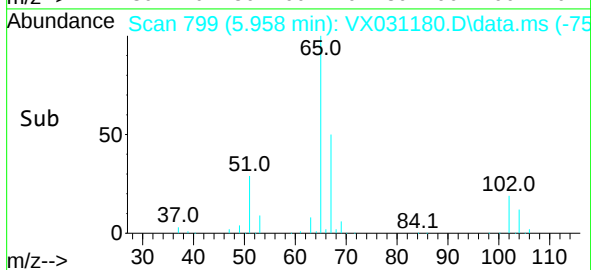
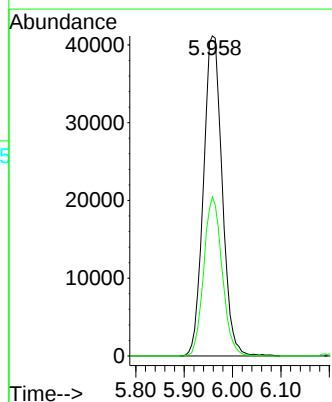
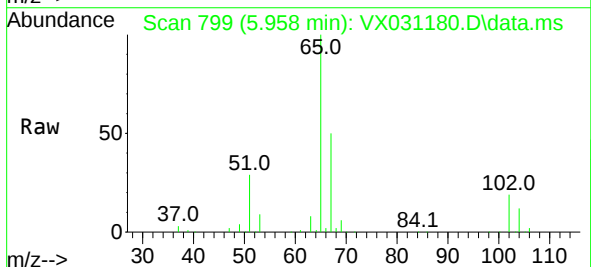
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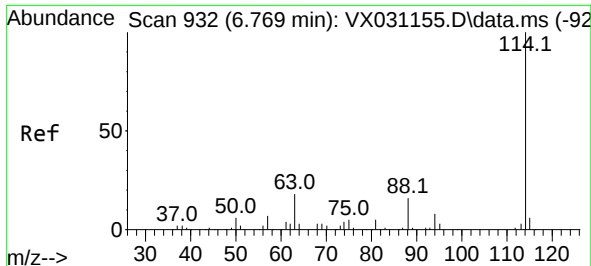
Tgt Ion: 56 Resp: 465
Ion Ratio Lower Upper
56 100
69 35.4 25.4 38.0
84 106.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 57.136 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 65 Resp: 110771
Ion Ratio Lower Upper
65 100
67 48.7 0.0 109.6

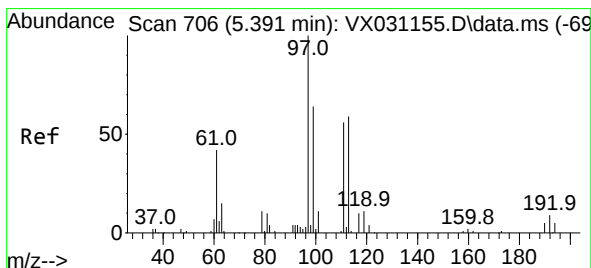
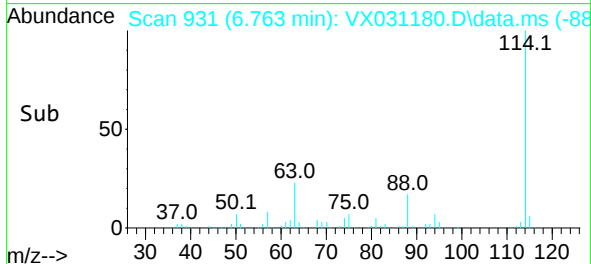
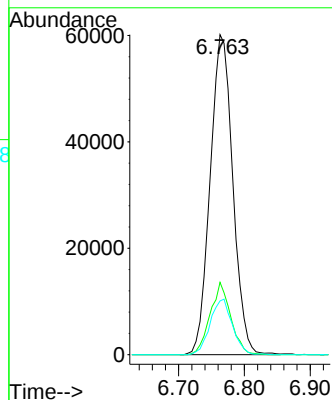
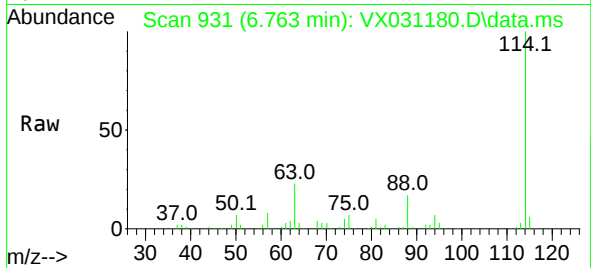




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

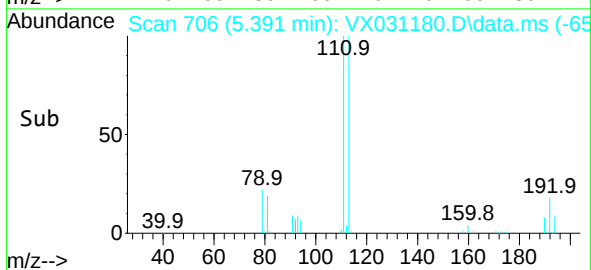
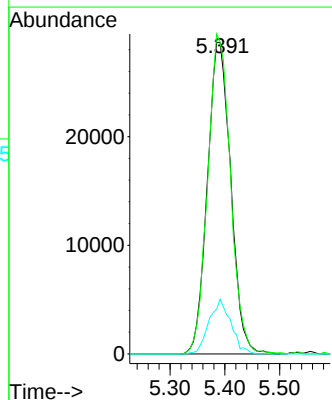
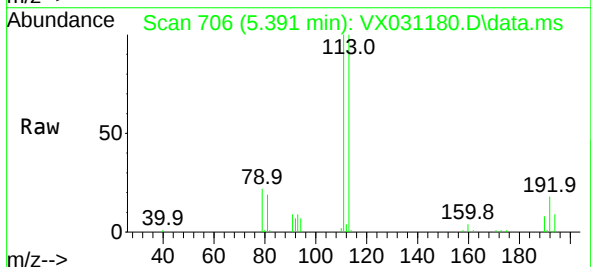
Instrument :
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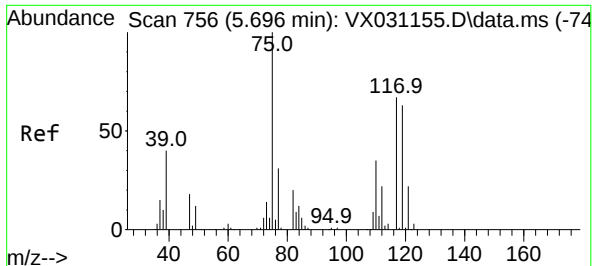
Tgt Ion:114 Resp: 144284
Ion Ratio Lower Upper
114 100
63 22.6 0.0 38.4
88 16.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.943 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion:113 Resp: 84815
Ion Ratio Lower Upper
113 100
111 100.5 83.2 124.8
192 16.4 14.8 22.2





#36

1,1-Dichloropropene

Concen: 2.925 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031180.D

Acq: 07 Sep 2022 23:29

Instrument :

MSVOA_X

ClientSampleId :

MW-31DL

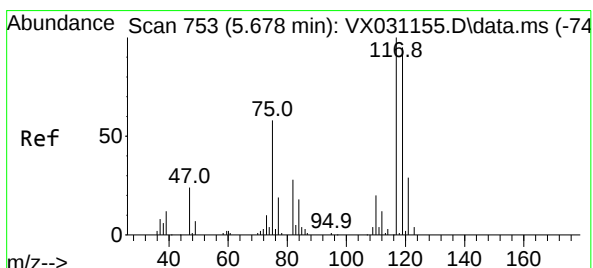
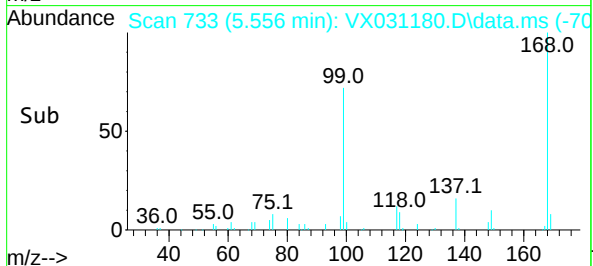
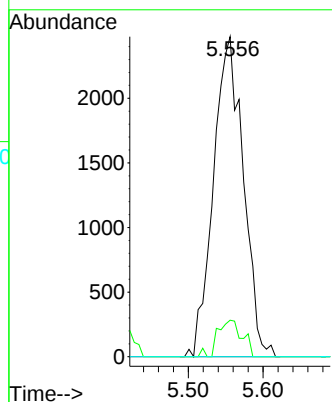
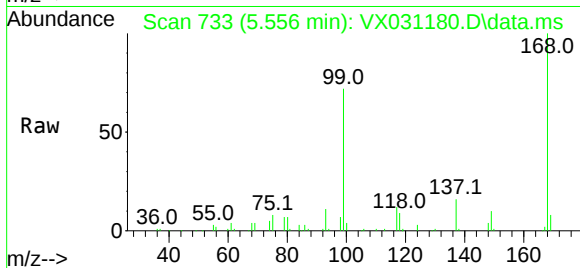
Tgt Ion: 75 Resp: 6888

Ion Ratio Lower Upper

75 100

110 9.4 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 3.844 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX031180.D

Acq: 07 Sep 2022 23:29

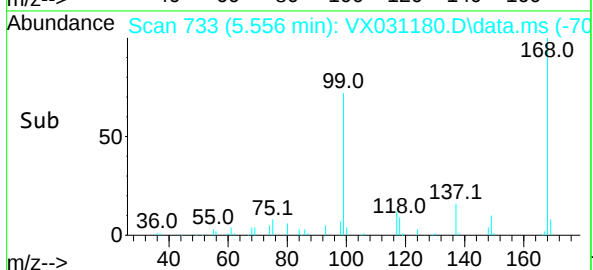
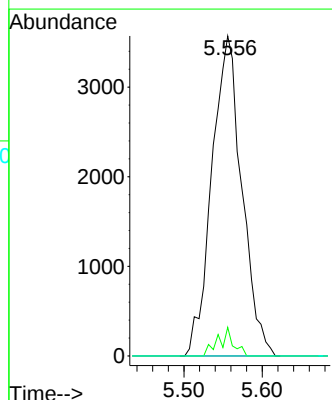
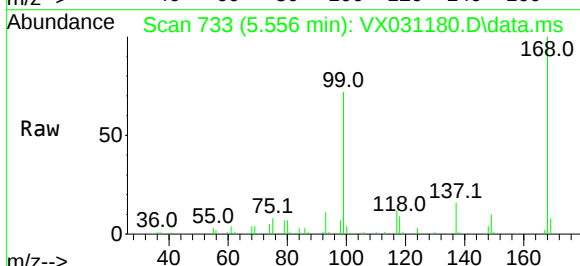
Tgt Ion: 117 Resp: 9522

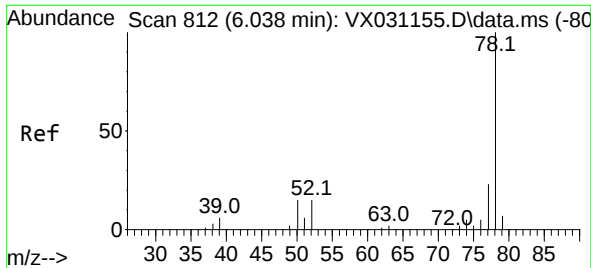
Ion Ratio Lower Upper

117 100

119 9.0 74.1 111.1#

121 0.0 25.8 38.8#

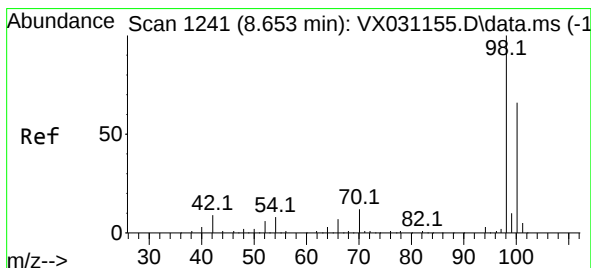
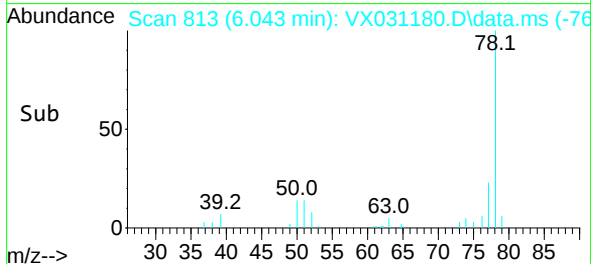
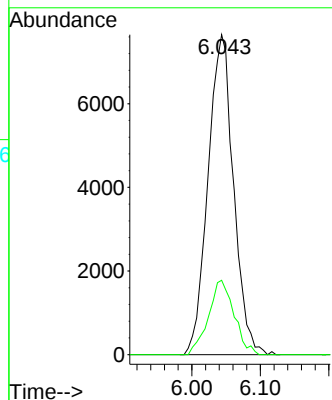
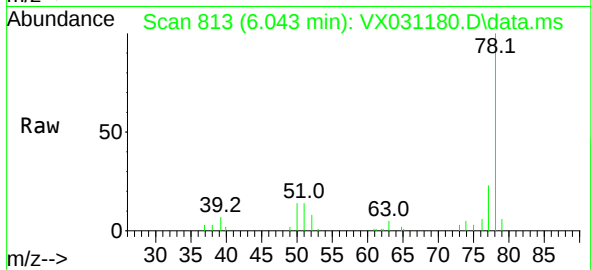




#40
Benzene
Concen: 3.096 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

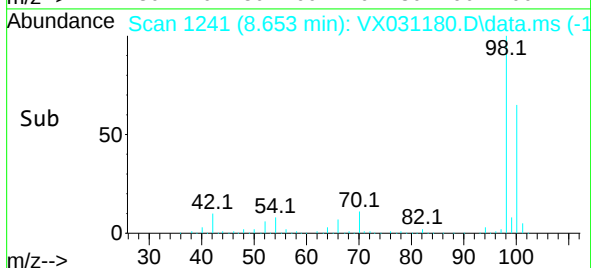
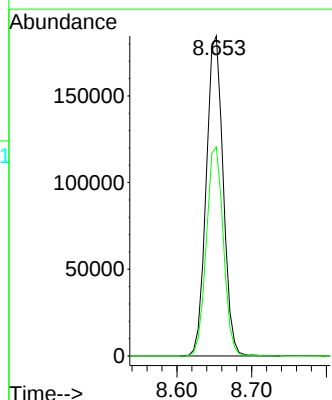
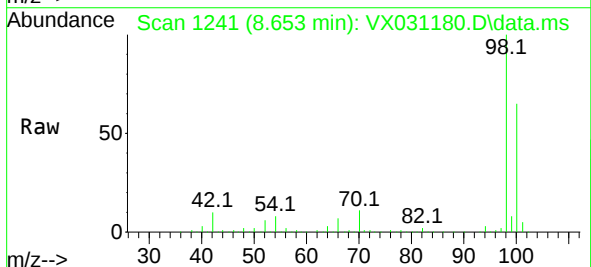
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

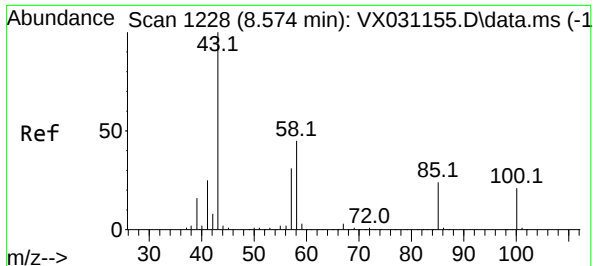
Tgt Ion: 78 Resp: 19801
Ion Ratio Lower Upper
78 100
77 23.3 18.0 27.0



#50
Toluene-d8
Concen: 50.841 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 98 Resp: 290429
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

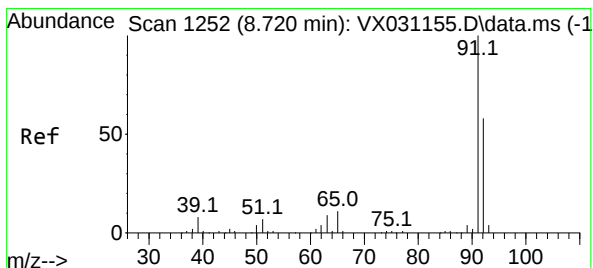
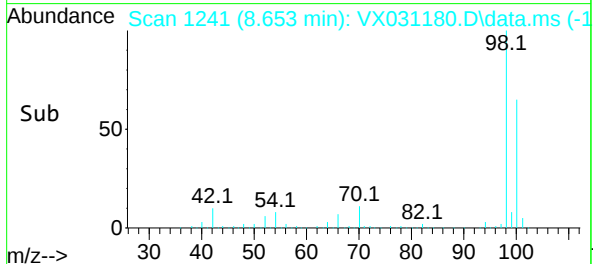
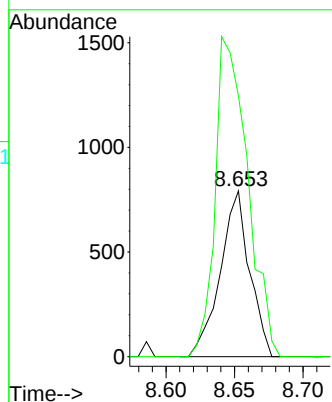
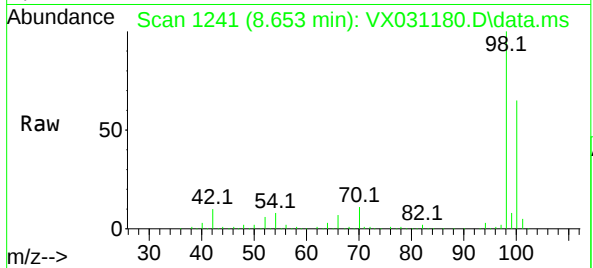




#51
4-Methyl-2-Pentanone
Concen: 0.585 ug/l
RT: 8.653 min Scan# 1180
Delta R.T. 0.079 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

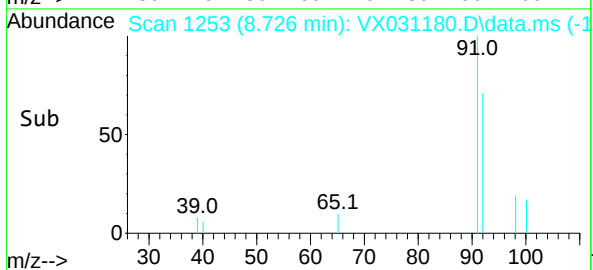
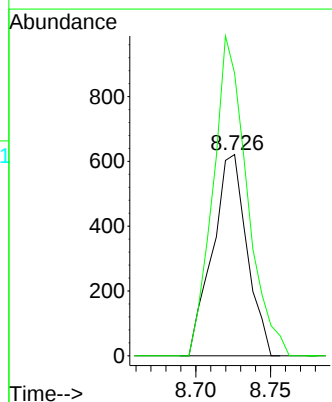
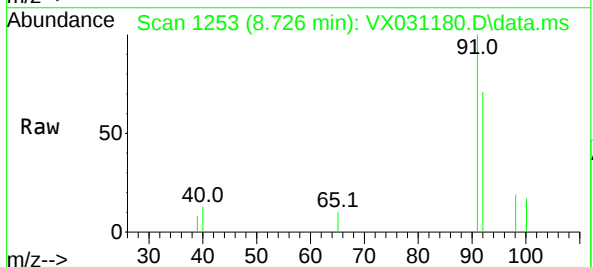
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

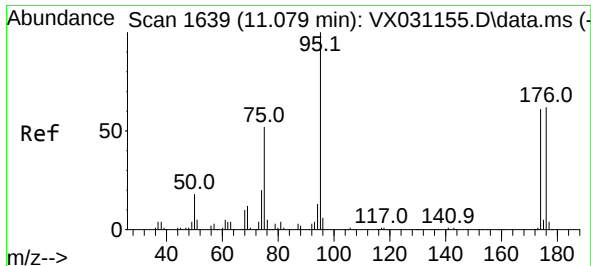
Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
58 213.0 31.4 47.2#



#52
Toluene
Concen: 0.235 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 92 Resp: 992
Ion Ratio Lower Upper
92 100
91 157.2 139.2 208.8

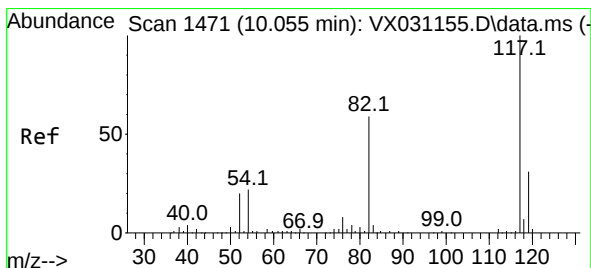
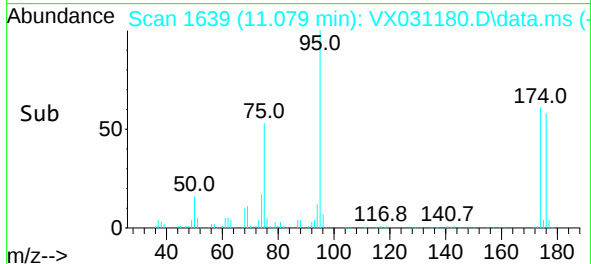
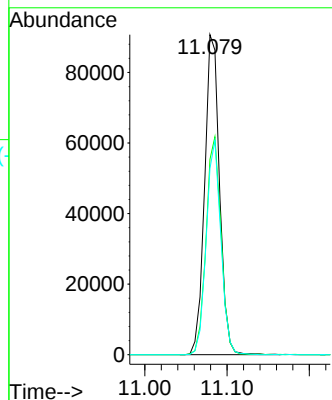
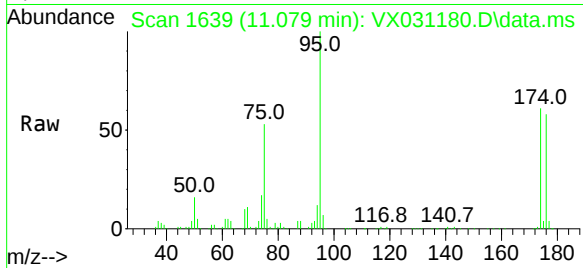




#62
4-Bromofluorobenzene
Concen: 54.577 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

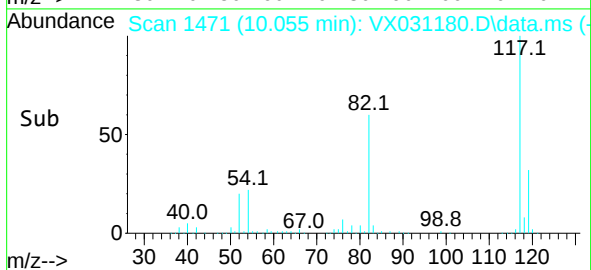
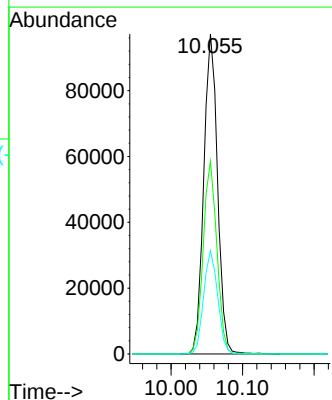
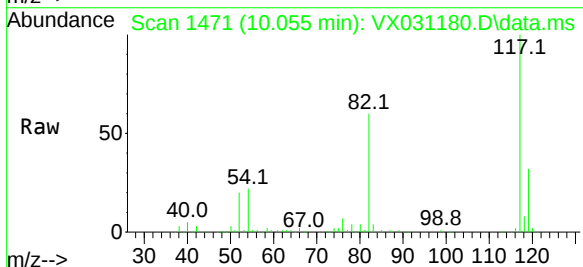
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

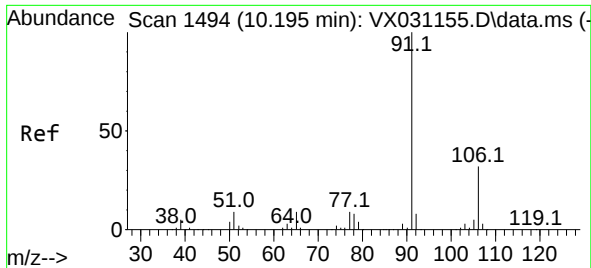
Tgt Ion: 95 Resp: 114255
Ion Ratio Lower Upper
95 100
174 68.2 0.0 149.0
176 65.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 117 Resp: 130171
Ion Ratio Lower Upper
117 100
82 60.3 42.7 64.1
119 32.3 25.4 38.2

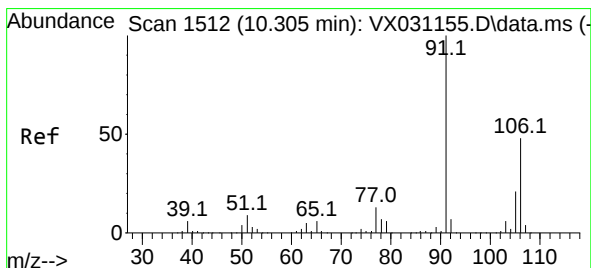
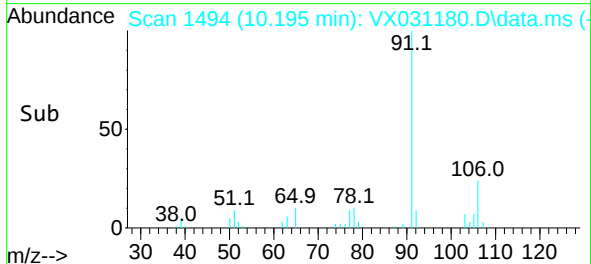
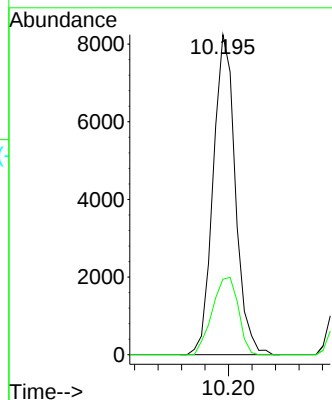
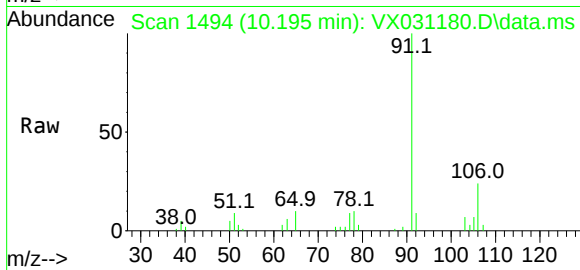




#67
Ethyl Benzene
Concen: 1.555 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

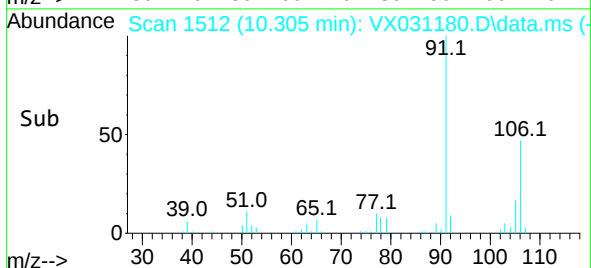
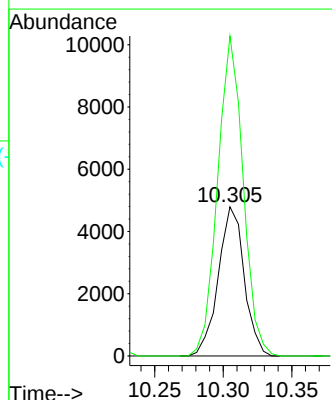
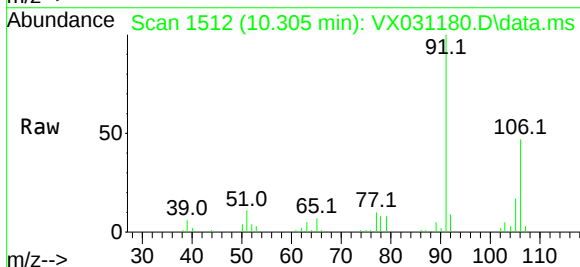
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

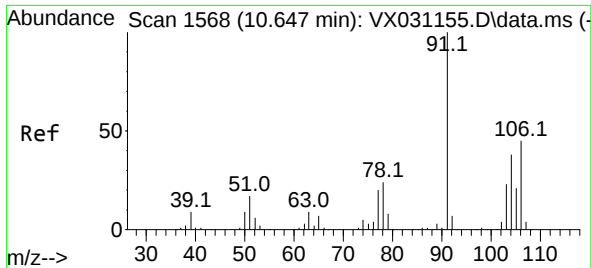
Tgt Ion: 91 Resp: 10800
Ion Ratio Lower Upper
91 100
106 23.6 25.5 38.3#



#68
m/p-Xylenes
Concen: 2.447 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 106 Resp: 6300
Ion Ratio Lower Upper
106 100
91 210.9 158.2 237.4

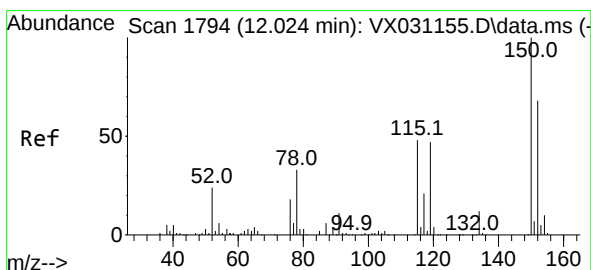
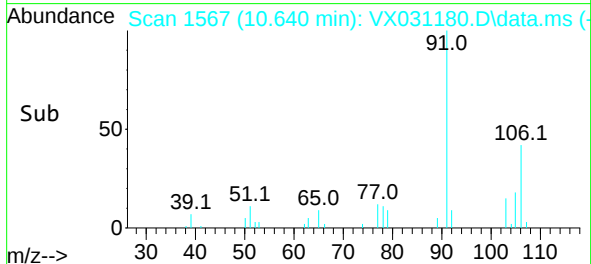
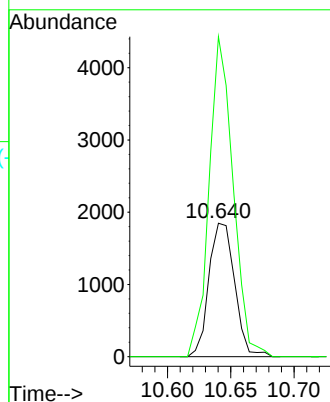
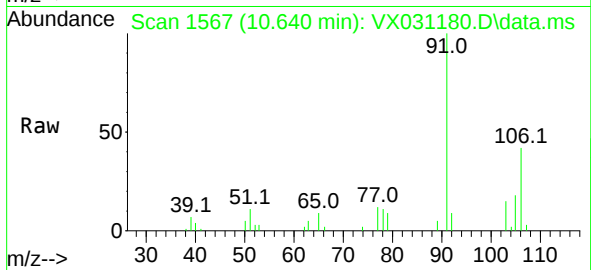




#69
o-Xylene
Concen: 1.018 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

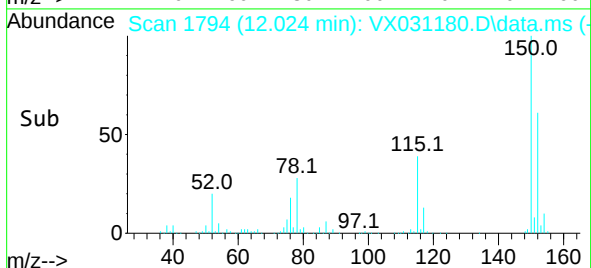
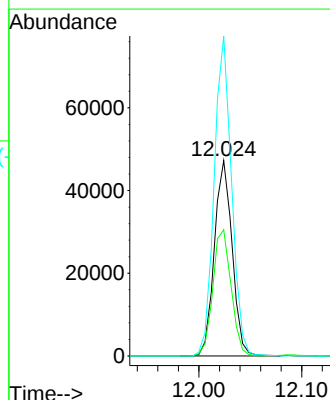
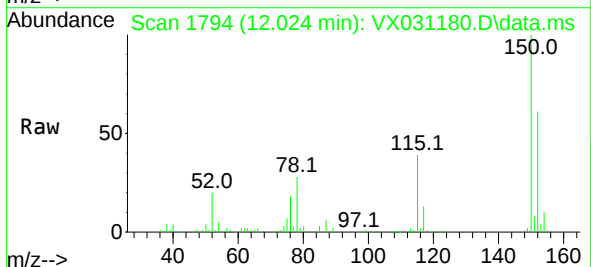
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

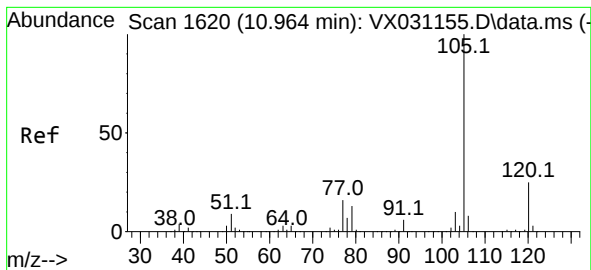
Tgt Ion:106 Resp: 2615
Ion Ratio Lower Upper
106 100
91 223.1 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion:152 Resp: 56807
Ion Ratio Lower Upper
152 100
115 66.4 40.5 121.5
150 159.9 0.0 347.0





#73

Isopropylbenzene

Concen: 0.855 ug/l

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX031180.D

Acq: 07 Sep 2022 23:29

Instrument :

MSVOA_X

ClientSampleId :

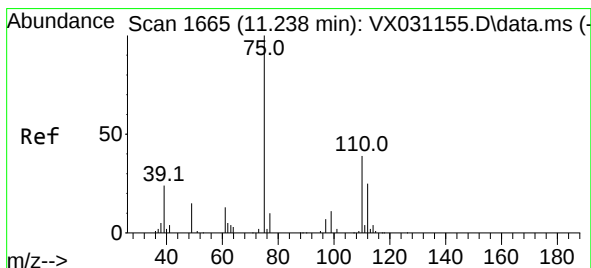
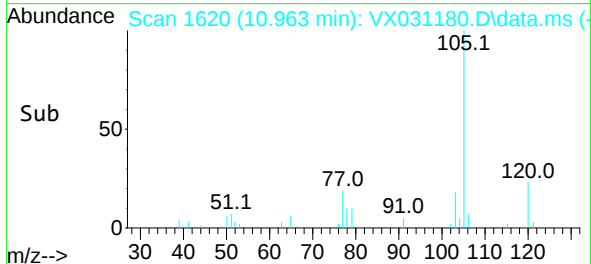
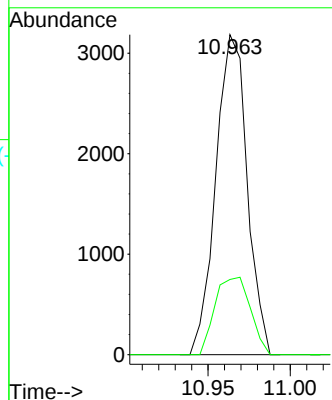
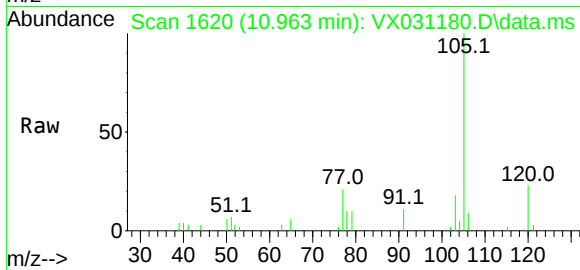
MW-31DL

Tgt Ion:105 Resp: 4216

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



#76

1,2,3-Trichloropropane

Concen: 39.030 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX031180.D

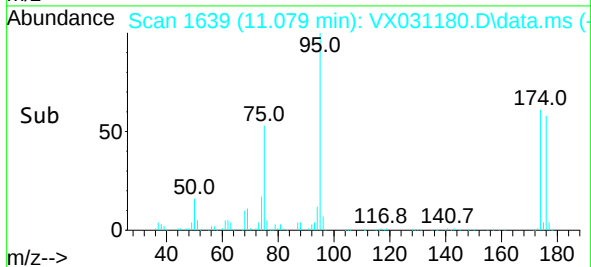
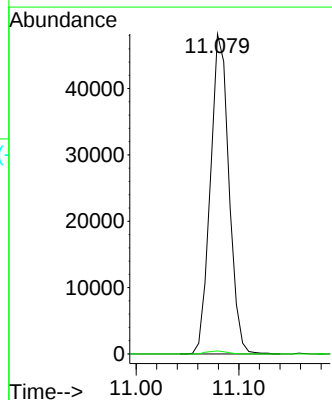
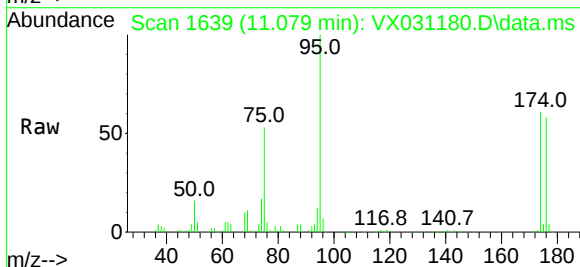
Acq: 07 Sep 2022 23:29

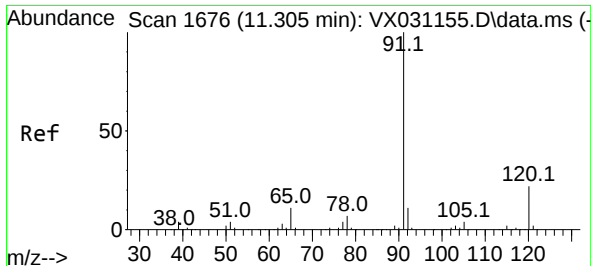
Tgt Ion: 75 Resp: 60511

Ion Ratio Lower Upper

75 100

77 1.0 19.8 59.3#

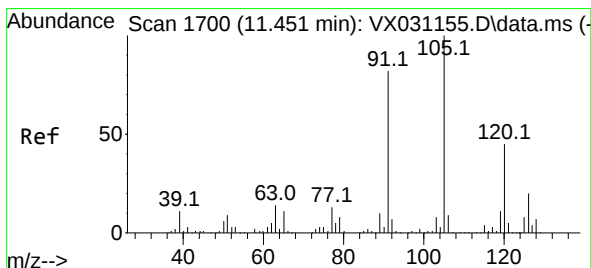
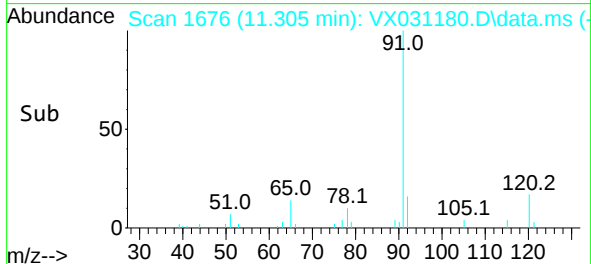
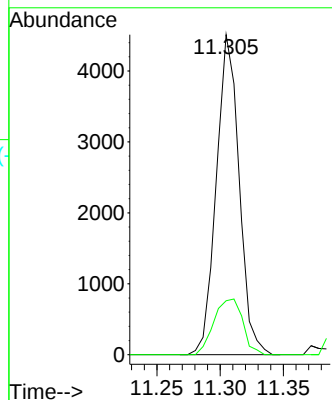
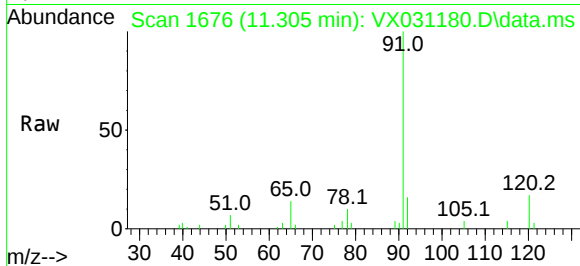




#78
n-propylbenzene
Concen: 1.005 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

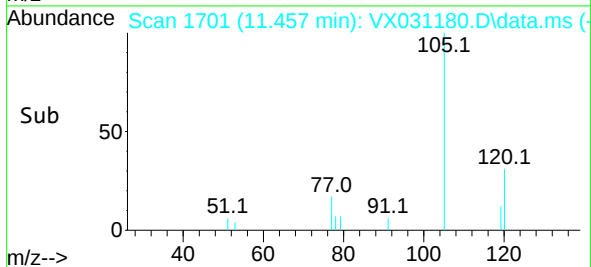
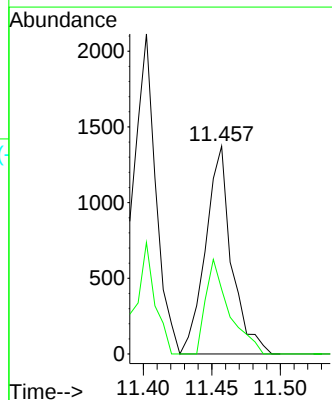
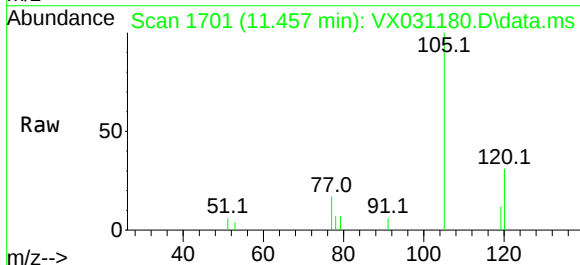
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

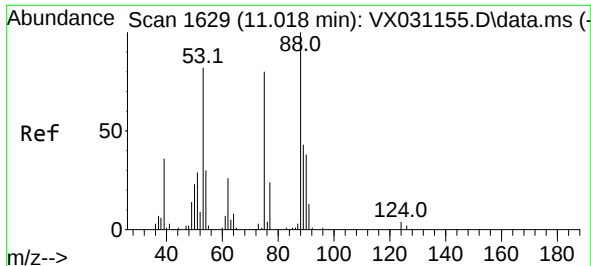
Tgt Ion: 91 Resp: 5650
Ion Ratio Lower Upper
91 100
120 22.0 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 0.438 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 105 Resp: 1816
Ion Ratio Lower Upper
105 100
120 40.9 24.4 73.2

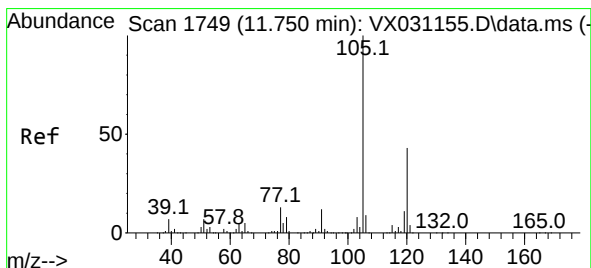
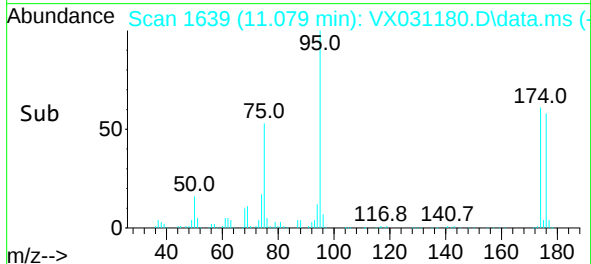
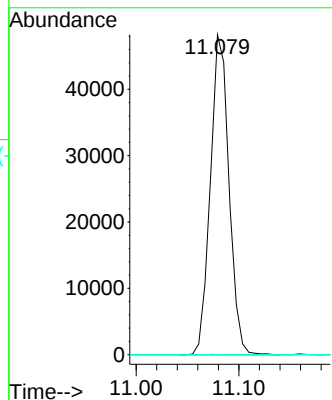
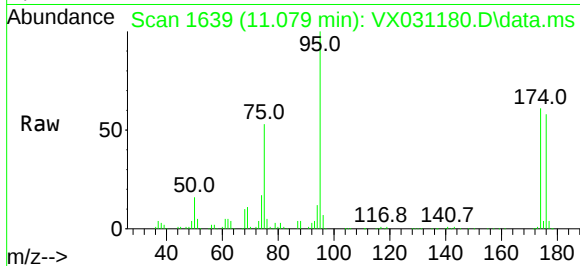




#81
trans-1,4-Dichloro-2-butene
Concen: 125.869 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

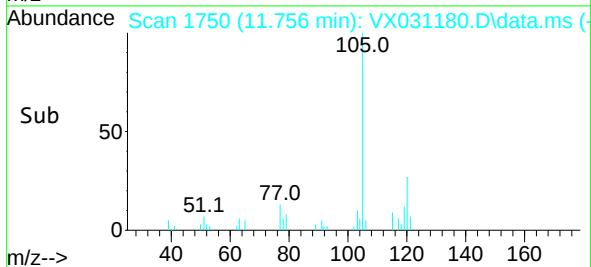
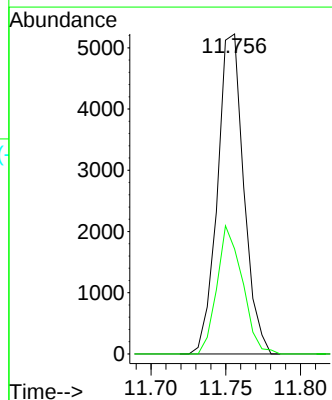
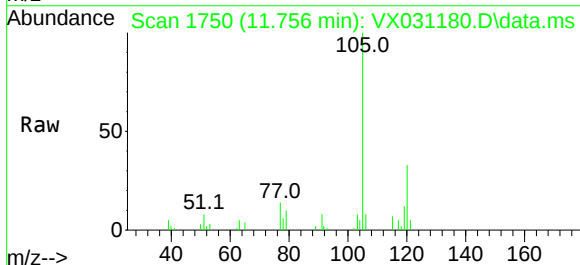
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

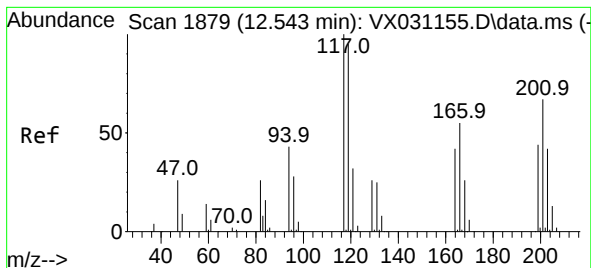
Tgt Ion: 75 Resp: 60511
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.586 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX031180.D
Acq: 07 Sep 2022 23:29

Tgt Ion: 105 Resp: 6395
Ion Ratio Lower Upper
105 100
120 38.7 22.9 68.8





#90

Hexachloroethane

Concen: 1.366 ug/l

RT: 12.652 min Scan# 1879

Delta R.T. 0.110 min

Lab File: VX031180.D

Acq: 07 Sep 2022 23:29

Instrument :

MSVOA_X

ClientSampleId :

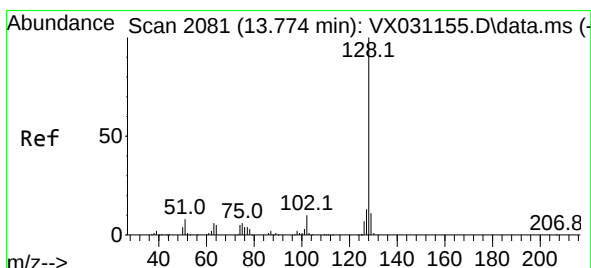
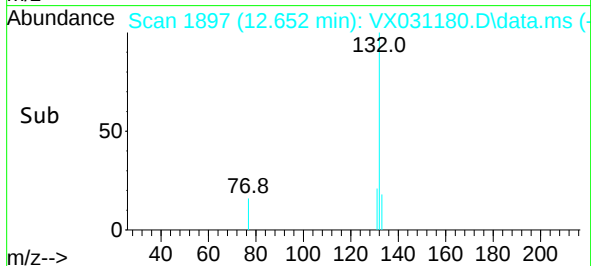
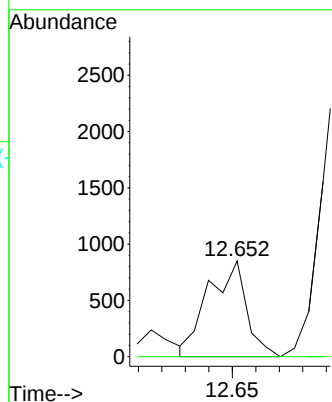
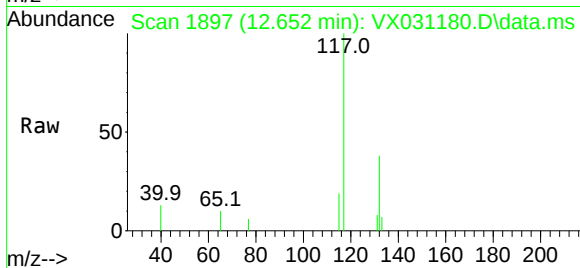
MW-31DL

Tgt Ion:117 Resp: 960

Ion Ratio Lower Upper

117 100

201 0.0 34.2 102.5#



#95

Naphthalene

Concen: 1.691 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX031180.D

Acq: 07 Sep 2022 23:29

Tgt Ion:128 Resp: 7571

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

129 11.7 8.6 13.0

