

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX030979.D
 Acq On : 31 Aug 2022 15:33
 Operator : JC/MD
 Sample : N4381-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-20

Quant Time: Sep 01 00:57:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

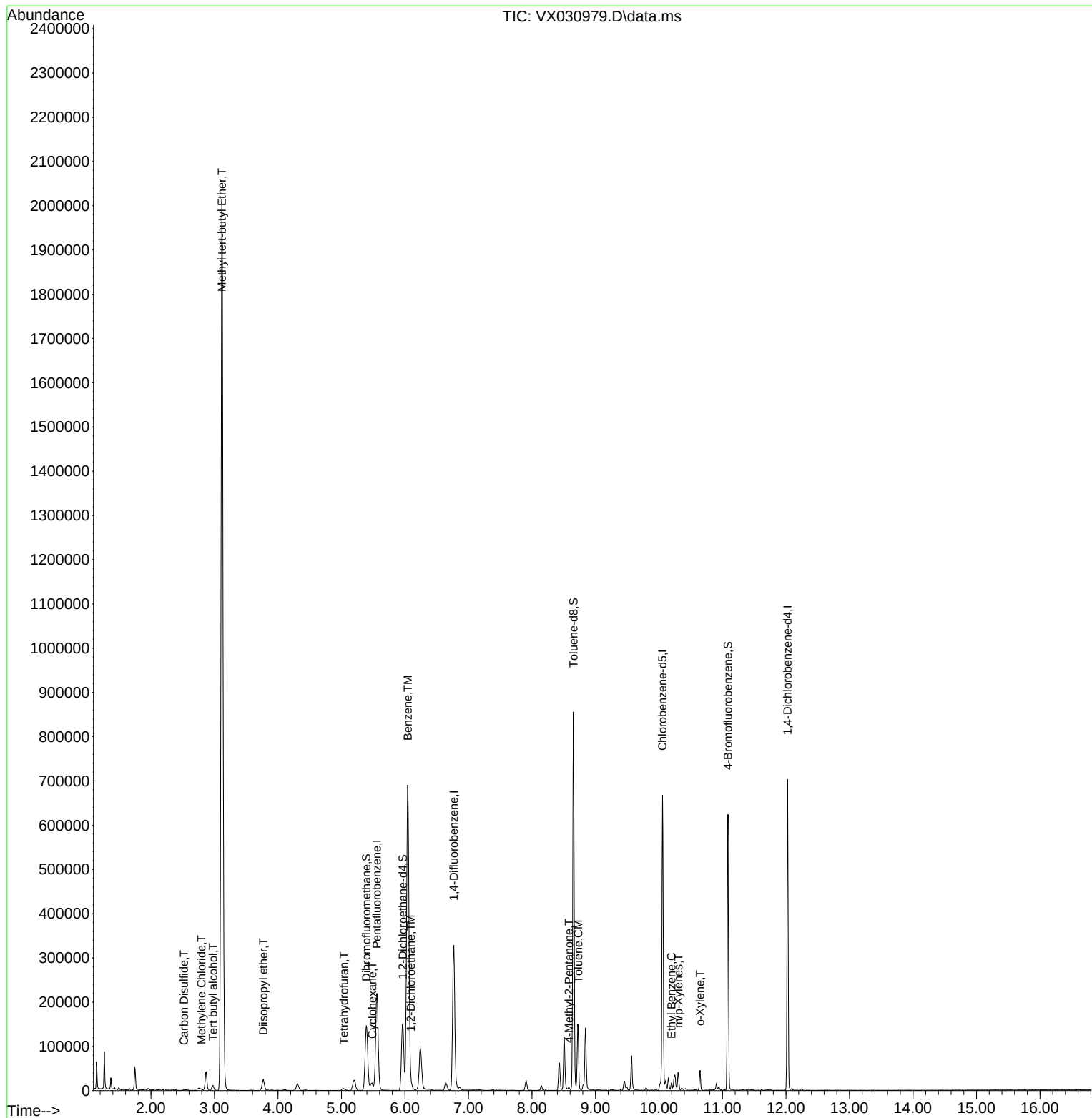
Internal Standards						
1) Pentafluorobenzene	5.556	168	215596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	364939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	323181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	147930	47.839	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.680%
35) Dibromofluoromethane	5.391	113	135088	50.216	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.440%
50) Toluene-d8	8.653	98	521832	52.379	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.760%
62) 4-Bromofluorobenzene	11.085	95	170530	48.067	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	14091	19.234	ug/l #	74
17) Carbon Disulfide	2.520	76	2146	0.310	ug/l #	90
19) Methyl tert-butyl Ether	3.117	73	2348263	275.164	ug/l	95
20) Methylene Chloride	2.794	84	812	0.256	ug/l #	69
22) Diisopropyl ether	3.770	45	25076	2.863	ug/l #	74
29) Tetrahydrofuran	5.038	42	4629	3.167	ug/l #	76
31) Cyclohexane	5.483	56	10924	2.387	ug/l #	91
40) Benzene	6.044	78	879801	76.346	ug/l	97
42) 1,2-Dichloroethane	6.092	62	12791	3.341	ug/l	90
51) 4-Methyl-2-Pentanone	8.580	43	2762	0.642	ug/l #	58
52) Toluene	8.726	92	57047	8.102	ug/l	95
67) Ethyl Benzene	10.195	91	9289	0.685	ug/l	95
68) m/p-Xylenes	10.305	106	10103	1.968	ug/l	99
69) o-Xylene	10.647	106	9546	1.900	ug/l	95

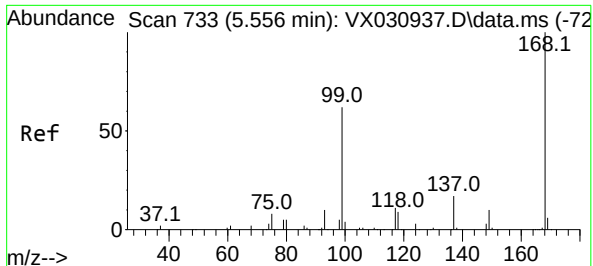
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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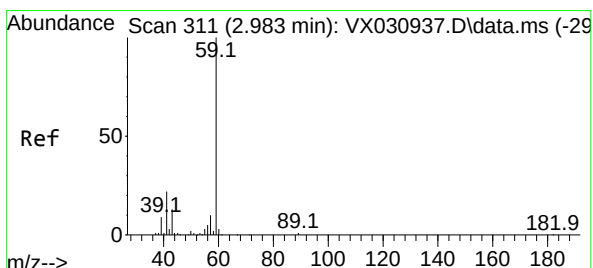
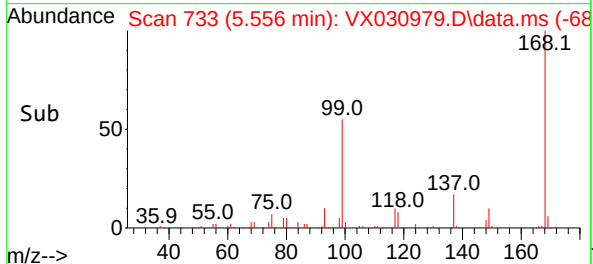
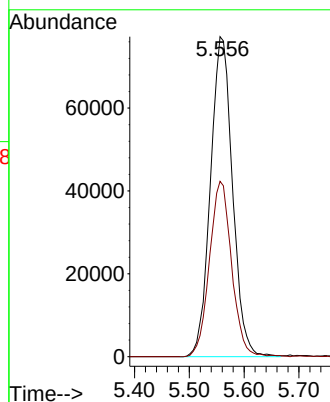
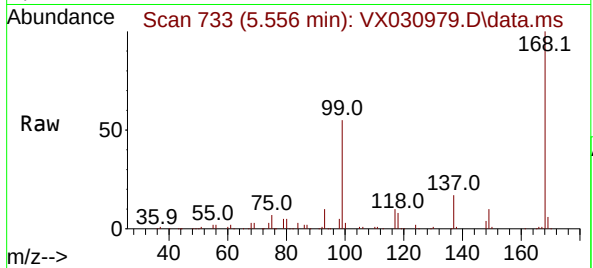




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

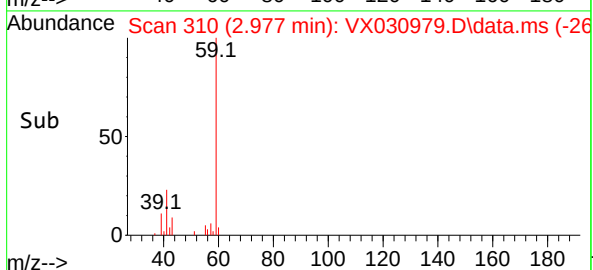
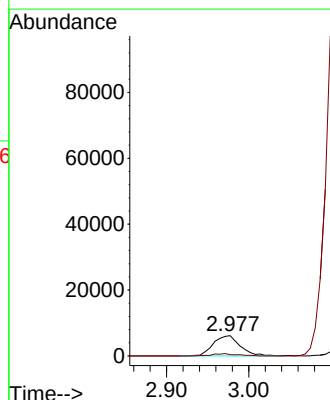
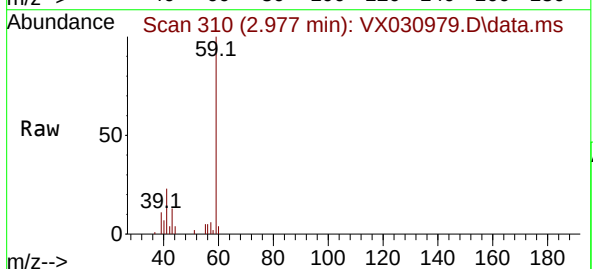
Instrument :
MSVOA_X
ClientSampleId :
MW-20

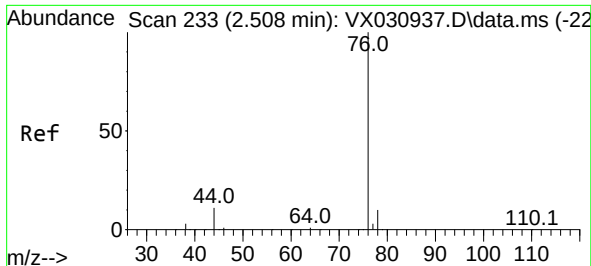
Tgt Ion:168 Resp: 215596
Ion Ratio Lower Upper
168 100
99 54.8 44.0 66.0



#11
Tert butyl alcohol
Concen: 19.234 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

Tgt Ion: 59 Resp: 14091
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#17

Carbon Disulfide

Concen: 0.310 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030979.D

Acq: 31 Aug 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

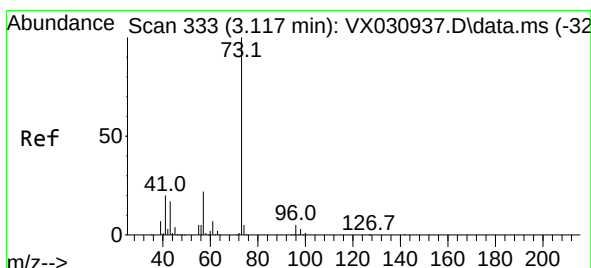
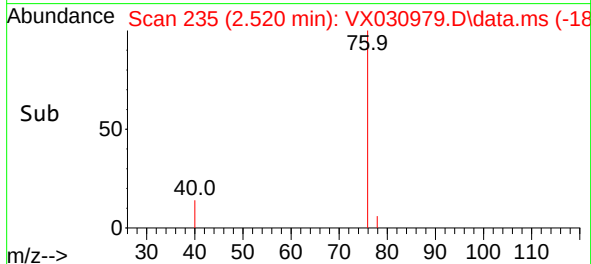
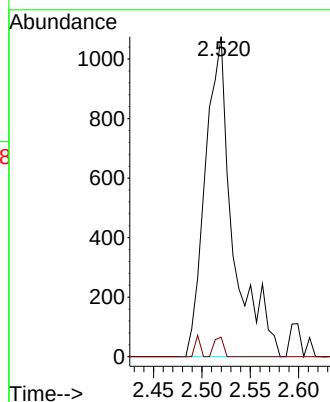
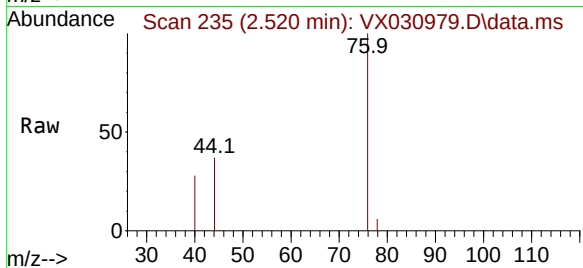
MW-20

Tgt Ion: 76 Resp: 2146

Ion Ratio Lower Upper

76 100

78 6.1 7.8 11.6#



#19

Methyl tert-butyl Ether

Concen: 275.164 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX030979.D

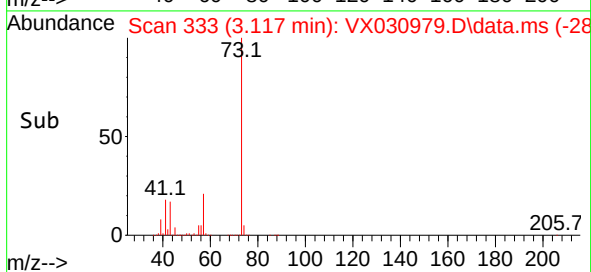
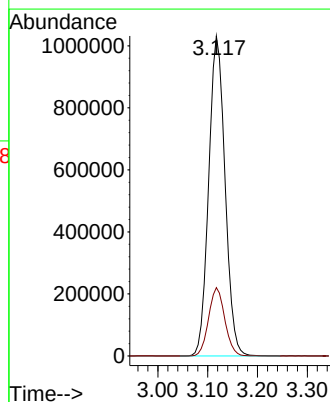
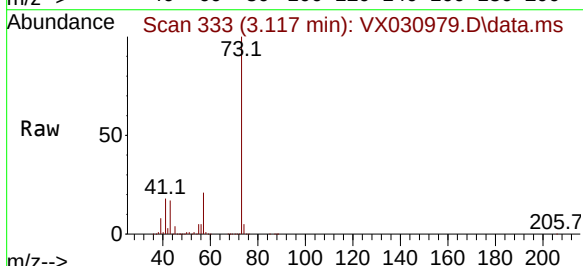
Acq: 31 Aug 2022 15:33

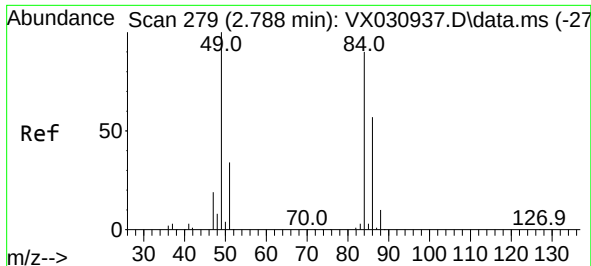
Tgt Ion: 73 Resp: 2348263

Ion Ratio Lower Upper

73 100

57 21.3 19.0 28.6

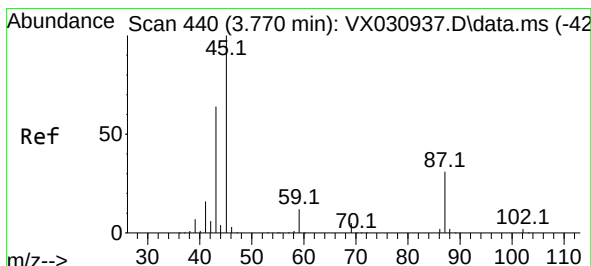
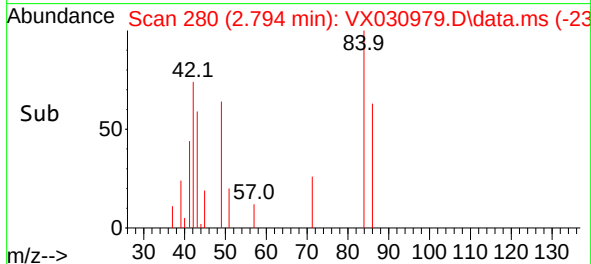
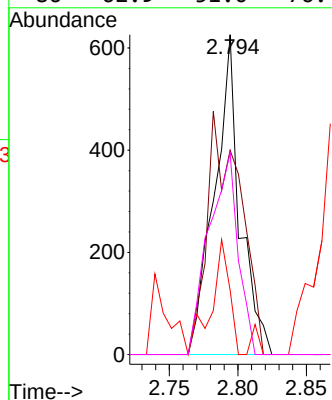
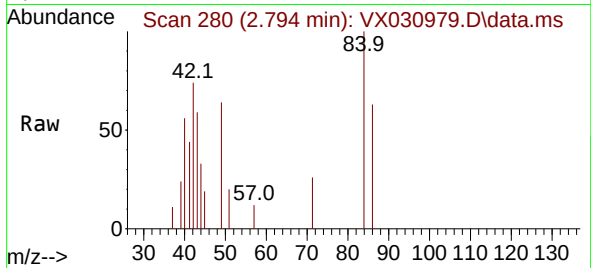




#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

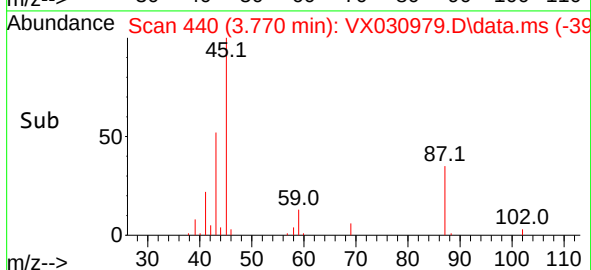
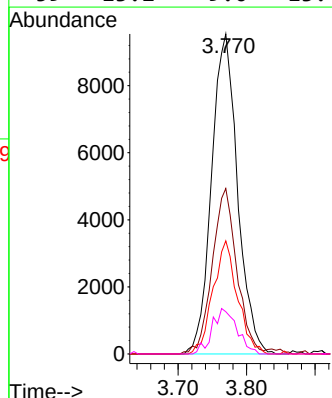
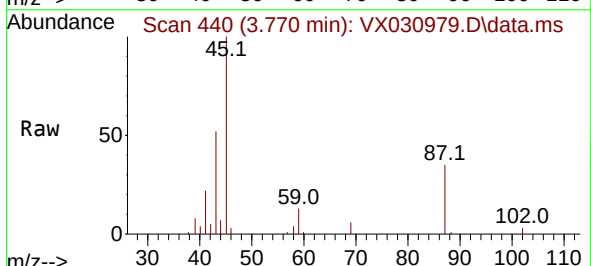
Instrument :
MSVOA_X
ClientSampleId :
MW-20

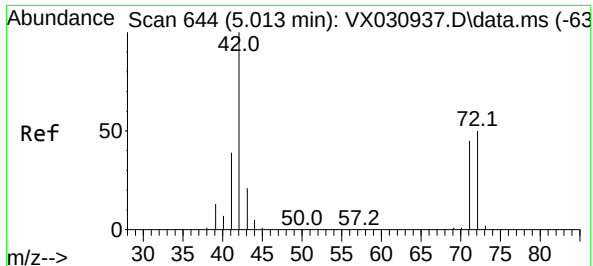
Tgt Ion: 84	Resp: 812
Ion Ratio	Lower Upper
84	100
49	63.9 93.8 140.6#
51	20.1 29.4 44.0#
86	62.9 51.0 76.4



#22
Diisopropyl ether
Concen: 2.863 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

Tgt Ion: 45	Resp: 25076
Ion Ratio	Lower Upper
45	100
43	51.7 65.4 98.0#
87	35.3 22.3 33.5#
59	13.2 9.0 13.4





#29

Tetrahydrofuran

Concen: 3.167 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.025 min

Lab File: VX030979.D

Acq: 31 Aug 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

MW-20

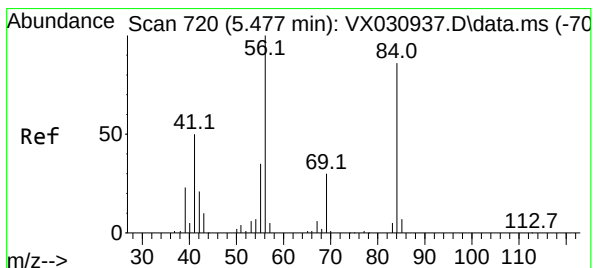
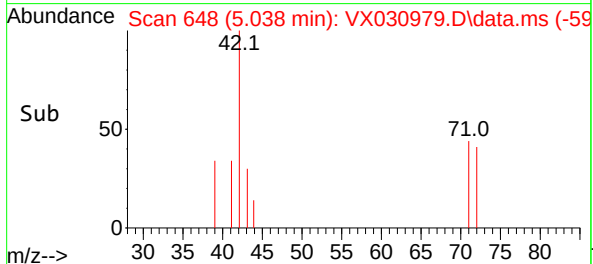
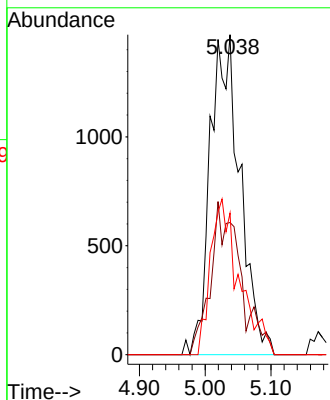
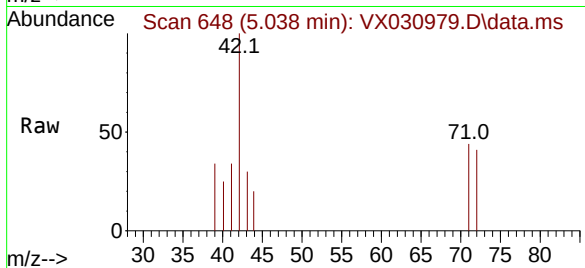
Tgt Ion: 42 Resp: 4629

Ion Ratio Lower Upper

42 100

72 20.2 36.5 54.7#

71 47.1 33.9 50.9



#31

Cyclohexane

Concen: 2.387 ug/l

RT: 5.483 min Scan# 721

Delta R.T. 0.006 min

Lab File: VX030979.D

Acq: 31 Aug 2022 15:33

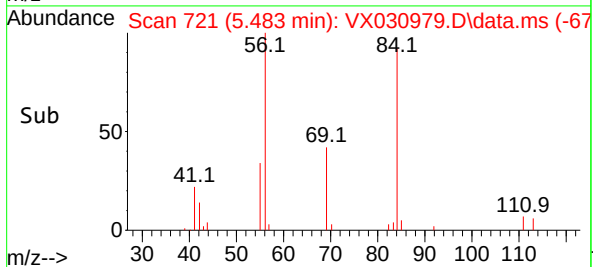
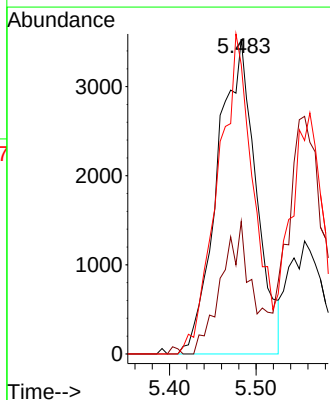
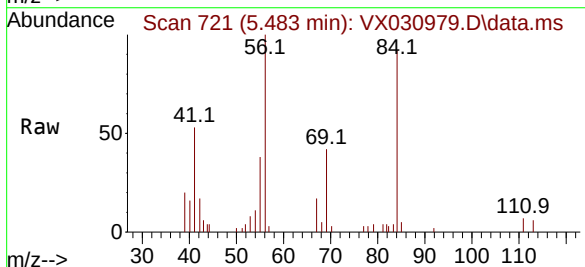
Tgt Ion: 56 Resp: 10924

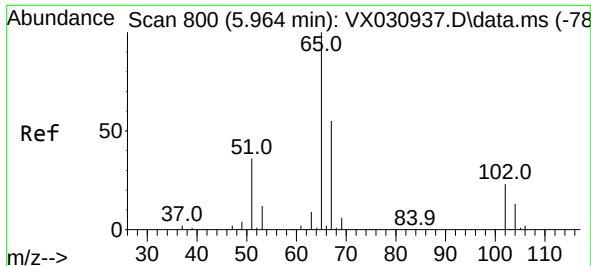
Ion Ratio Lower Upper

56 100

69 40.5 25.4 38.0#

84 91.9 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 47.839 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030979.D

Acq: 31 Aug 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

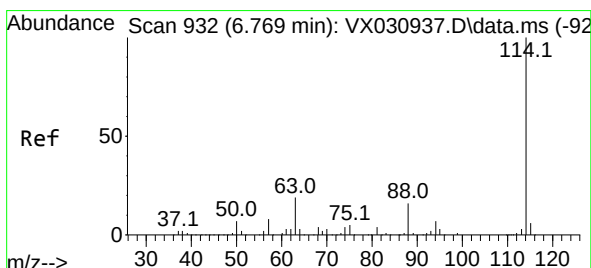
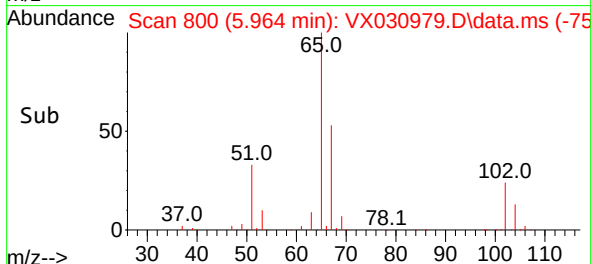
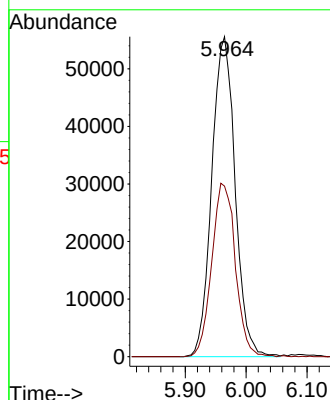
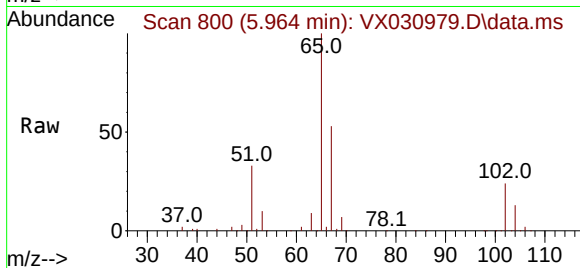
MW-20

Tgt Ion: 65 Resp: 147930

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030979.D

Acq: 31 Aug 2022 15:33

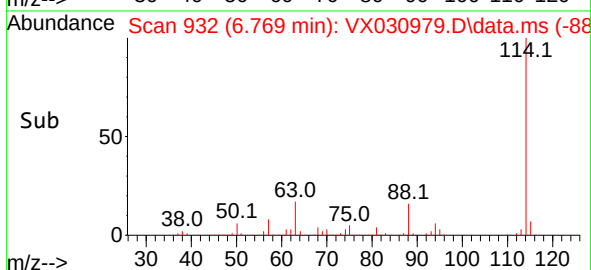
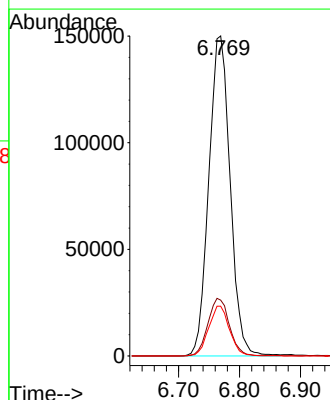
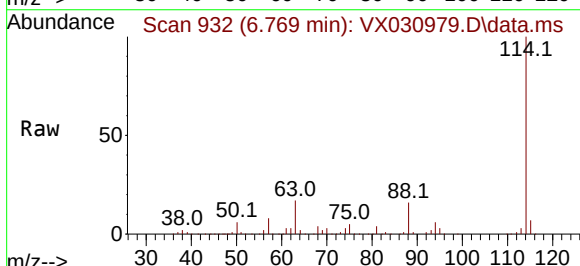
Tgt Ion: 114 Resp: 364939

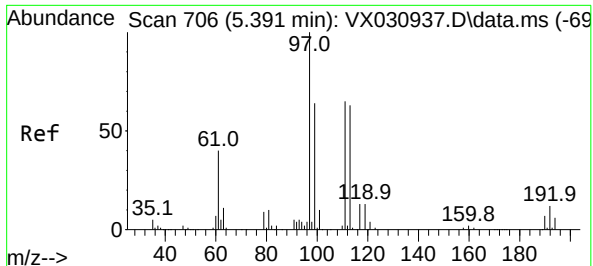
Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.216 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030979.D

Acq: 31 Aug 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

MW-20

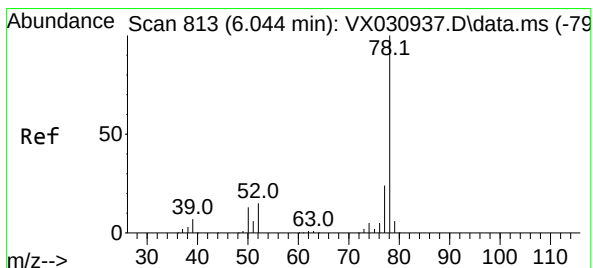
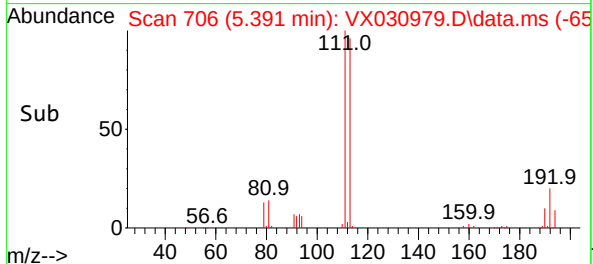
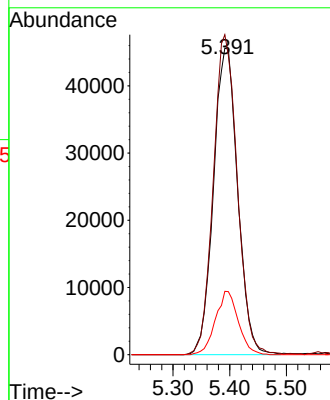
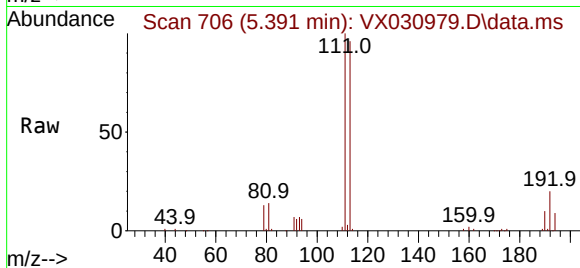
Tgt Ion:113 Resp: 135088

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

192 19.5 14.8 22.2



#40

Benzene

Concen: 76.346 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX030979.D

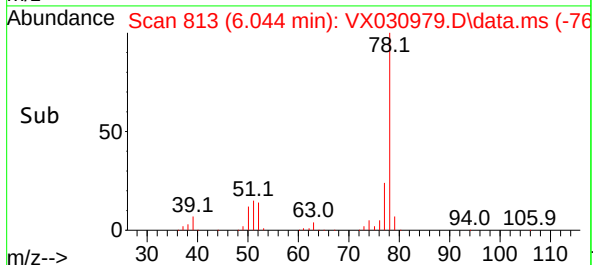
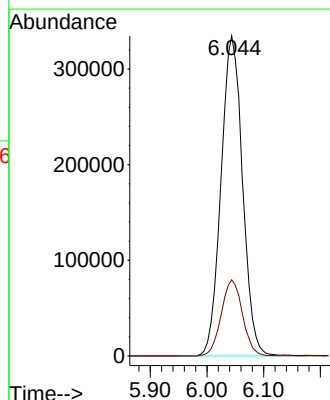
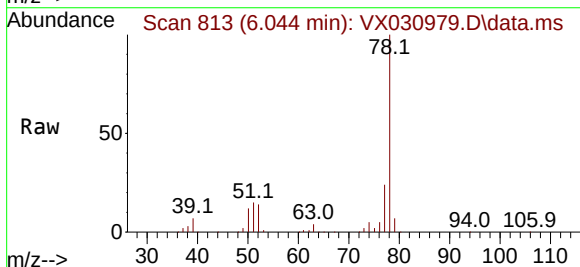
Acq: 31 Aug 2022 15:33

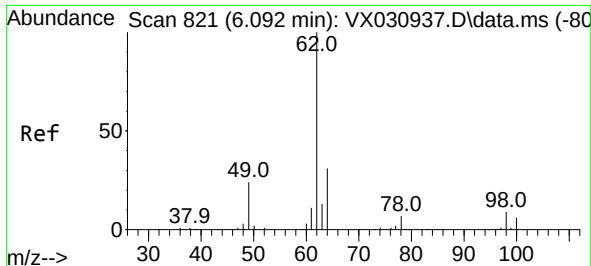
Tgt Ion: 78 Resp: 879801

Ion Ratio Lower Upper

78 100

77 23.8 18.0 27.0





#42

1,2-Dichloroethane

Concen: 3.341 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.000 min

Lab File: VX030979.D

Acq: 31 Aug 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

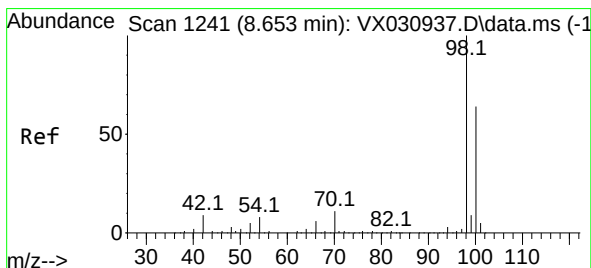
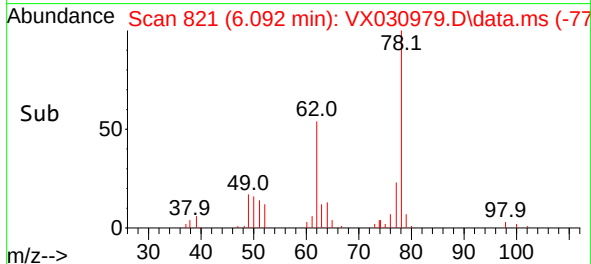
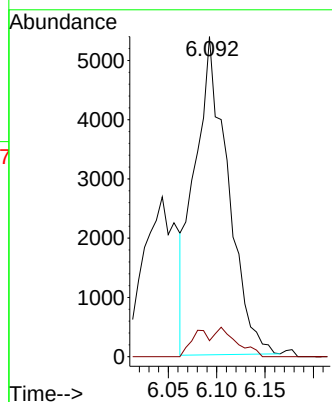
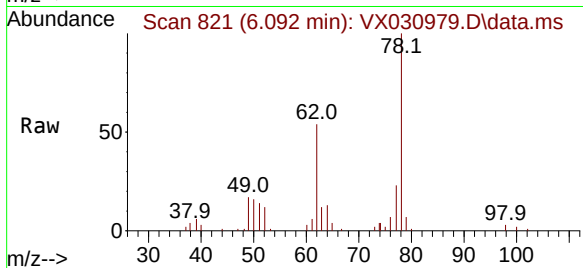
MW-20

Tgt Ion: 62 Resp: 12791

Ion Ratio Lower Upper

62 100

98 6.2 0.0 20.2



#50

Toluene-d8

Concen: 52.379 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030979.D

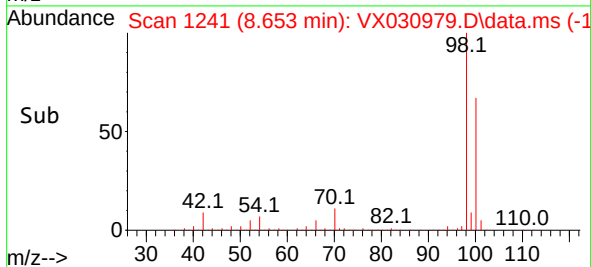
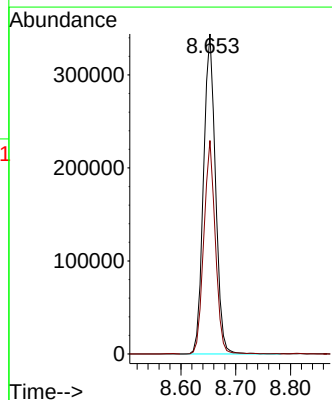
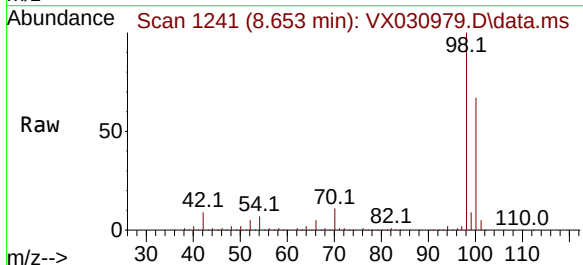
Acq: 31 Aug 2022 15:33

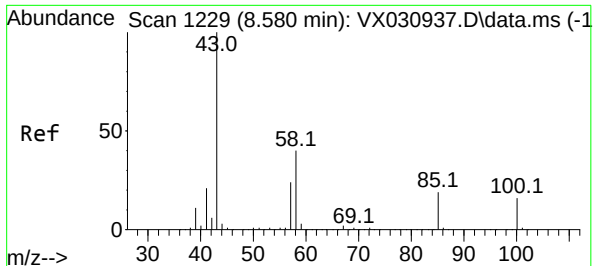
Tgt Ion: 98 Resp: 521832

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5

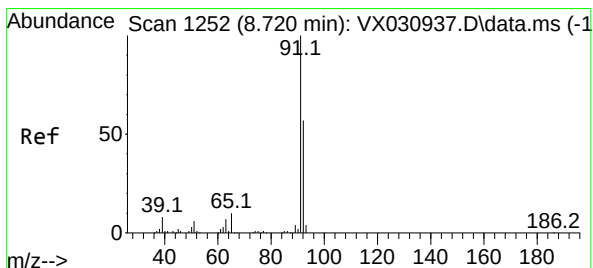
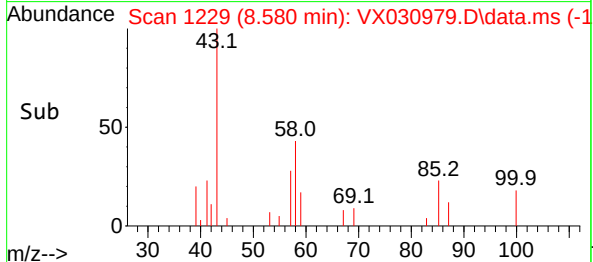
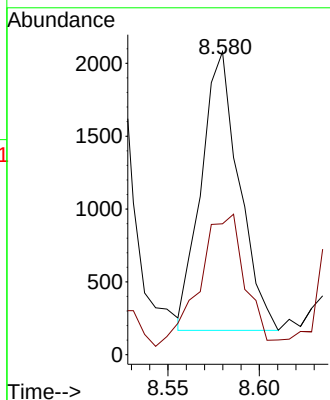
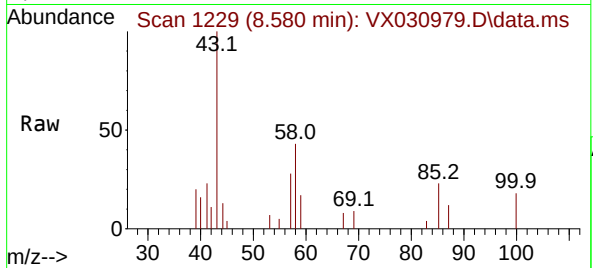




#51
4-Methyl-2-Pentanone
Concen: 0.642 ug/l
RT: 8.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

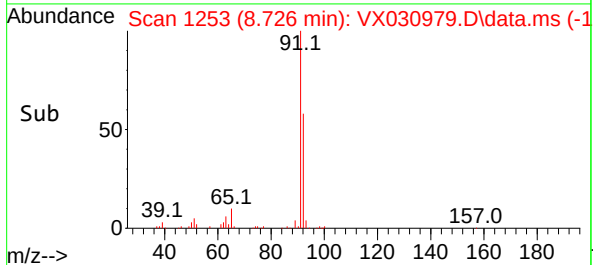
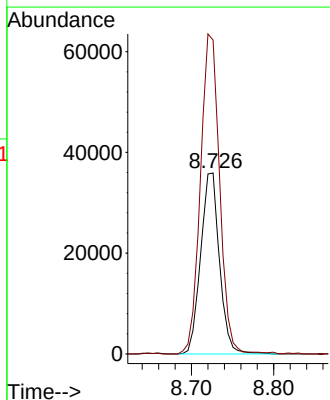
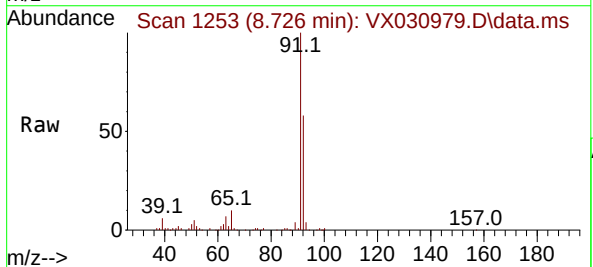
Instrument :
MSVOA_X
ClientSampleId :
MW-20

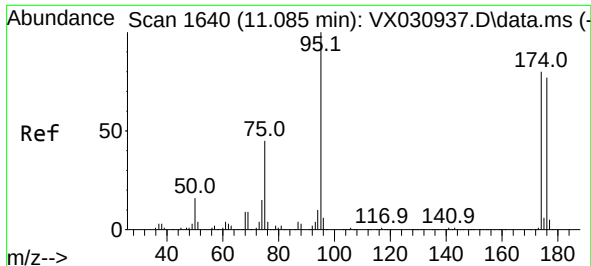
Tgt Ion: 43 Resp: 2762
Ion Ratio Lower Upper
43 100
58 65.2 31.4 47.2#



#52
Toluene
Concen: 8.102 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

Tgt Ion: 92 Resp: 57047
Ion Ratio Lower Upper
92 100
91 180.9 139.2 208.8

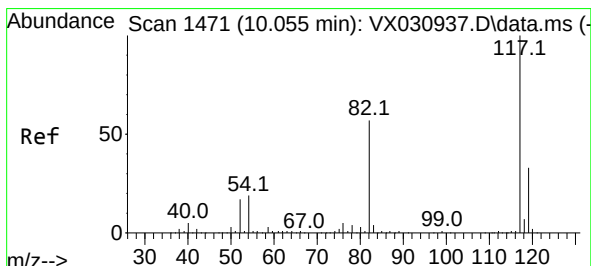
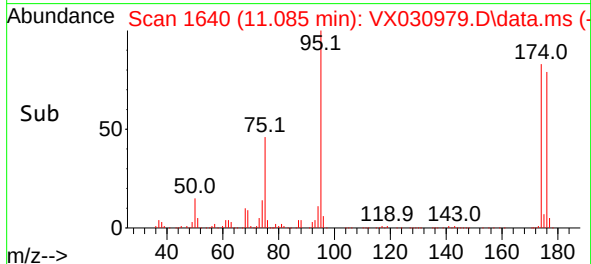
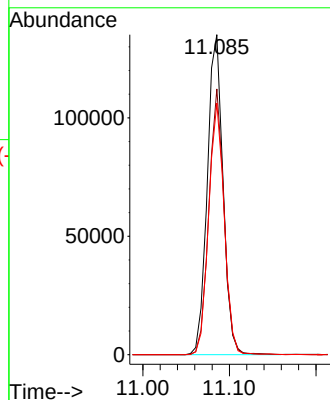
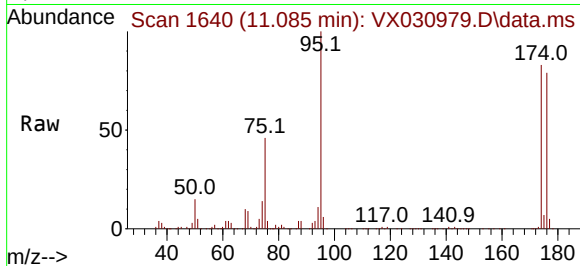




#62
4-Bromofluorobenzene
Concen: 48.067 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

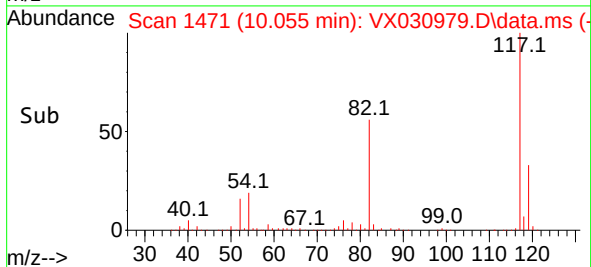
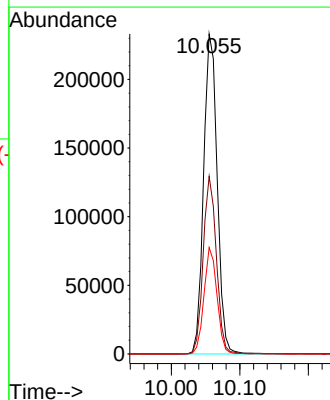
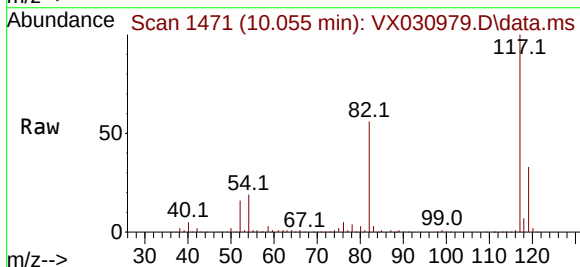
Instrument :
MSVOA_X
ClientSampleId :
MW-20

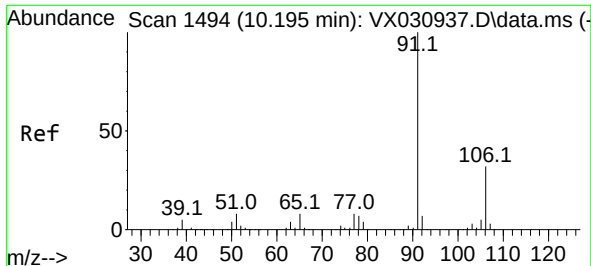
Tgt Ion: 95 Resp: 170530
Ion Ratio Lower Upper
95 100
174 80.0 0.0 149.0
176 77.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

Tgt Ion: 117 Resp: 323181
Ion Ratio Lower Upper
117 100
82 55.5 42.7 64.1
119 33.2 25.4 38.2

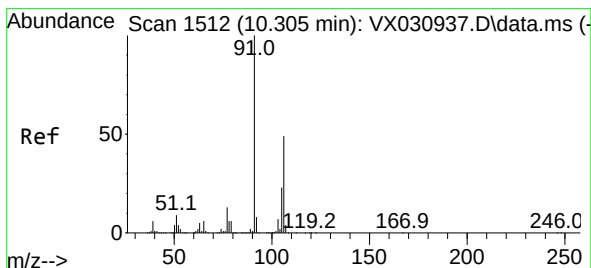
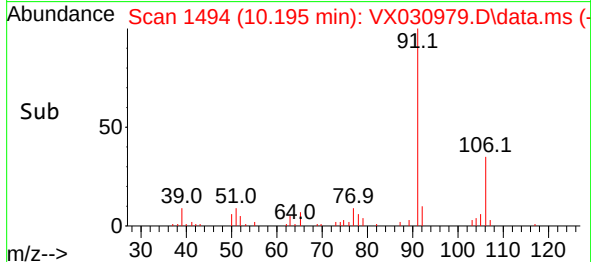
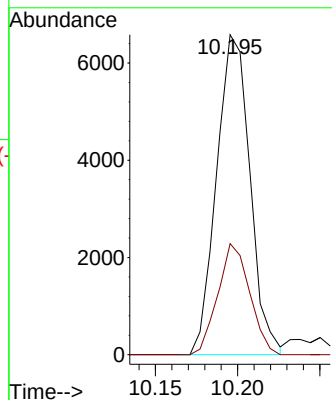
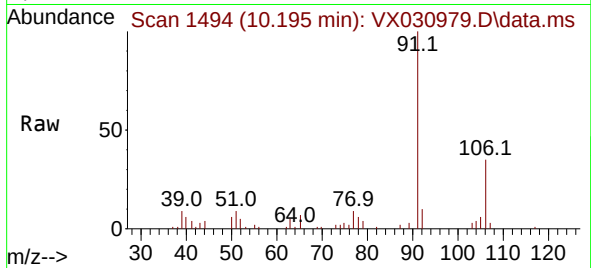




#67
Ethyl Benzene
Concen: 0.685 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

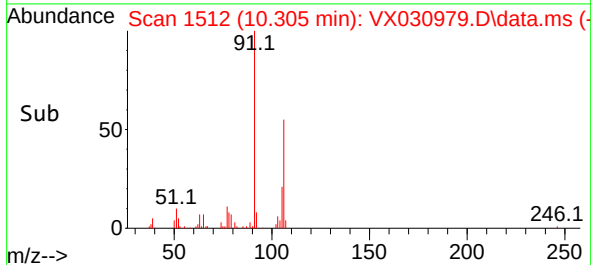
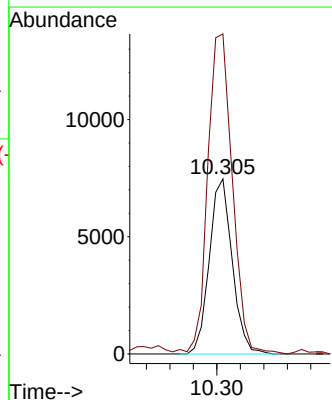
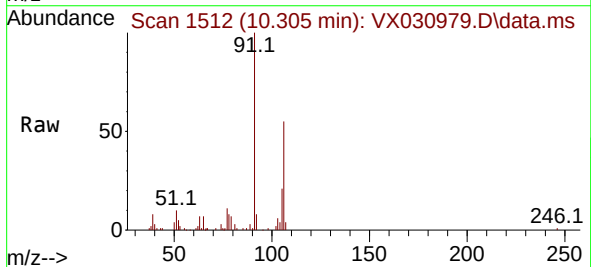
Instrument :
MSVOA_X
ClientSampleId :
MW-20

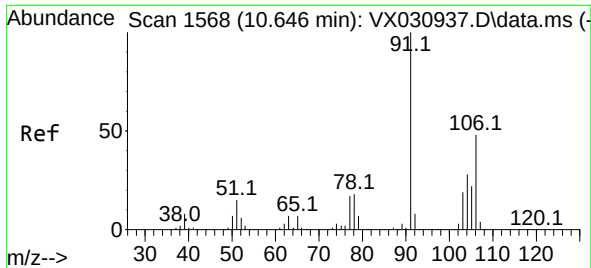
Tgt Ion: 91 Resp: 9289
Ion Ratio Lower Upper
91 100
106 34.7 25.5 38.3



#68
m/p-Xylenes
Concen: 1.968 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

Tgt Ion: 106 Resp: 10103
Ion Ratio Lower Upper
106 100
91 196.9 158.2 237.4

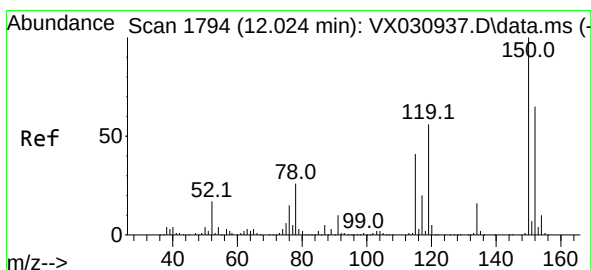
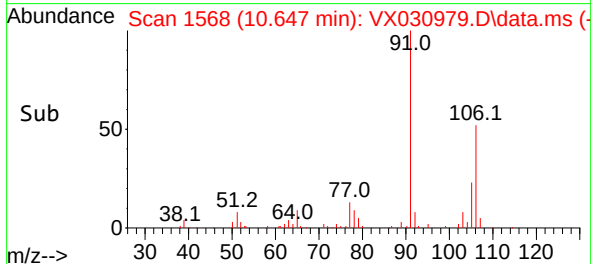
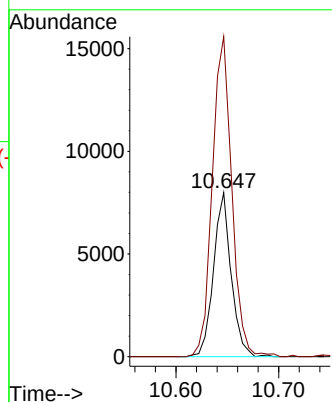
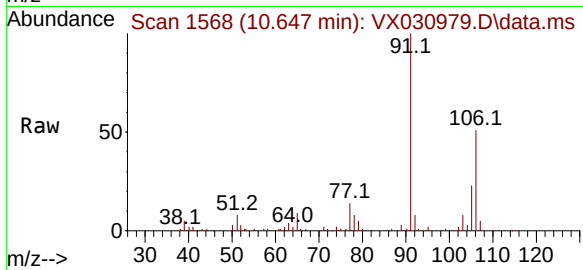




#69
o-Xylene
Concen: 1.900 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

Instrument :
MSVOA_X
ClientSampleId :
MW-20

Tgt Ion:106 Resp: 9546
Ion Ratio Lower Upper
106 100
91 215.2 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030979.D
Acq: 31 Aug 2022 15:33

Tgt Ion:152 Resp: 150170
Ion Ratio Lower Upper
152 100
115 58.0 40.5 121.5
150 159.9 0.0 347.0

