

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
 Data File : VX029584.D
 Acq On : 18 Jun 2022 20:52
 Operator : JC/MD
 Sample : N3290-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18

Quant Time: Jun 20 01:37:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

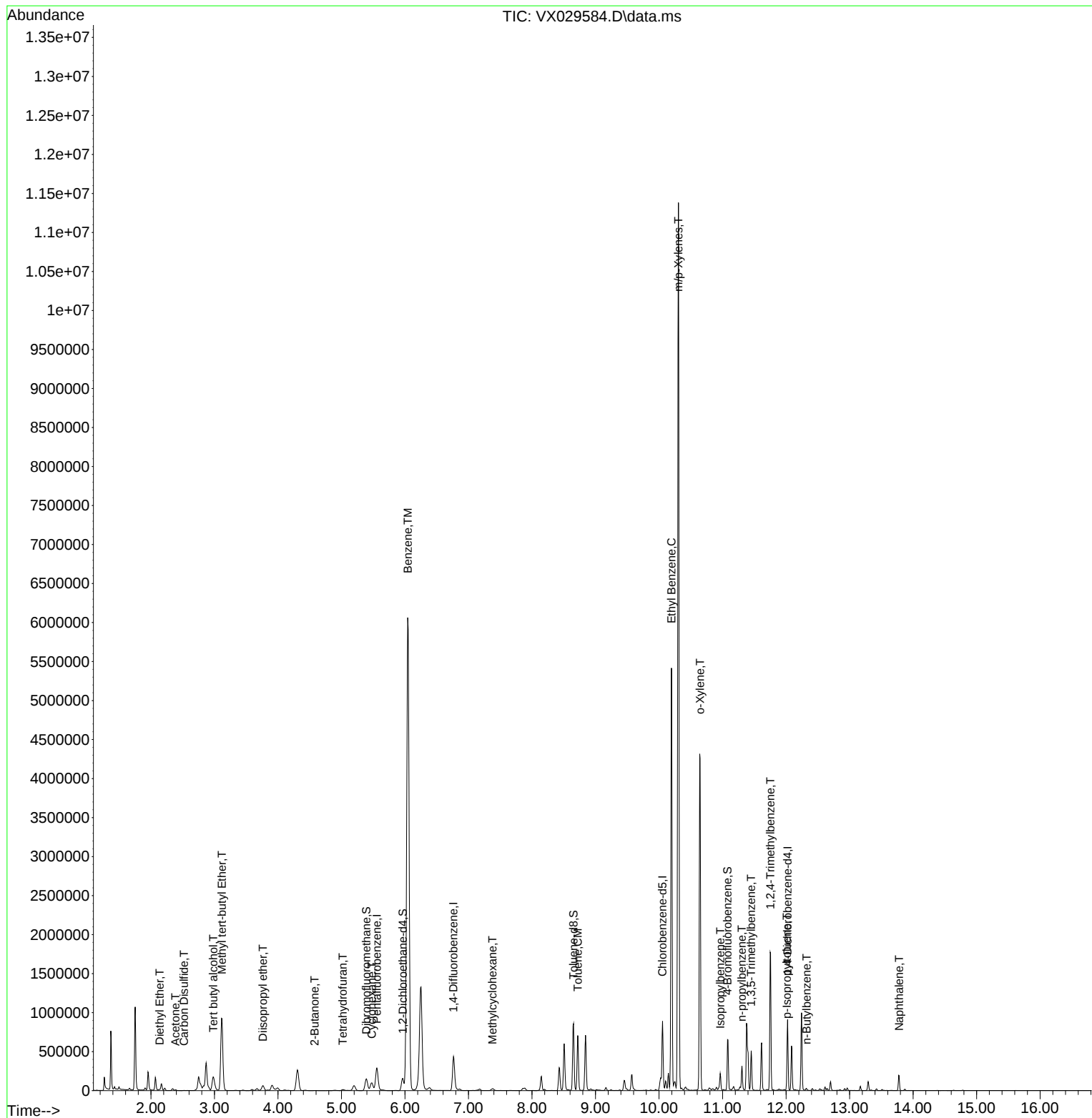
Internal Standards						
1) Pentafluorobenzene	5.556	168	270591	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	455513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	403642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	187926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155285	43.353	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.700%		
35) Dibromofluoromethane	5.391	113	134806	45.412	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.820%		
50) Toluene-d8	8.653	98	524563	48.371	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.740%		
62) 4-Bromofluorobenzene	11.079	95	194125	47.468	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.940%		
Target Compounds						
						Qvalue
8) Diethyl Ether	2.136	74	985	0.552	ug/l	# 13
11) Tert butyl alcohol	2.983	59	298172	387.067	ug/l	99
16) Acetone	2.386	43	11019	7.718	ug/l	93
17) Carbon Disulfide	2.520	76	4629	0.651	ug/l	# 87
19) Methyl tert-butyl Ether	3.117	73	1068775	112.300	ug/l	94
22) Diisopropyl ether	3.764	45	68212	7.790	ug/l	# 83
25) 2-Butanone	4.574	43	2698	1.196	ug/l	# 81
29) Tetrahydrofuran	5.019	42	14006	9.313	ug/l	93
31) Cyclohexane	5.477	56	72550	15.087	ug/l	93
39) Methylcyclohexane	7.379	83	10431	2.082	ug/l	96
40) Benzene	6.044	78	7623759	640.145	ug/l	98
52) Toluene	8.720	92	270334	35.448	ug/l	95
67) Ethyl Benzene	10.195	91	3059788	214.755	ug/l	96
68) m/p-Xylenes	10.305	106	2868670	516.291	ug/l	94
69) o-Xylene	10.646	106	1014952	184.888	ug/l	99
73) Isopropylbenzene	10.963	105	110249	7.824	ug/l	97
78) n-propylbenzene	11.305	91	180975	11.404	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	217545	18.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	822811	69.523	ug/l	100
86) p-Isopropyltoluene	12.012	119	4082	0.340	ug/l	# 74
89) n-Butylbenzene	12.323	91	3521	0.347	ug/l	# 7
95) Naphthalene	13.780	128	129843	9.850	ug/l	100

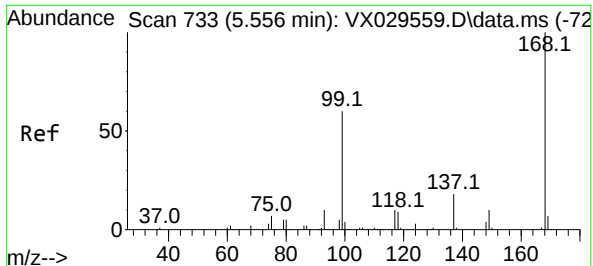
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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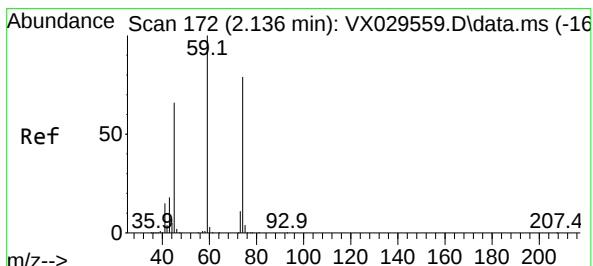
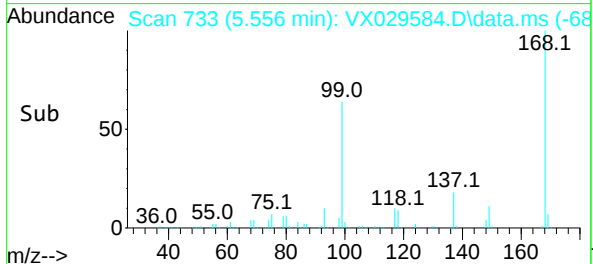
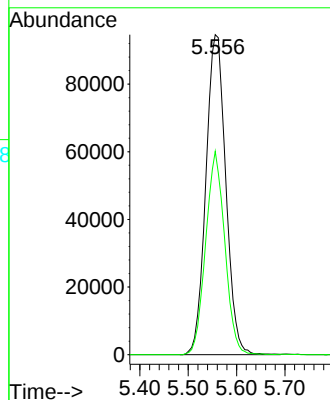
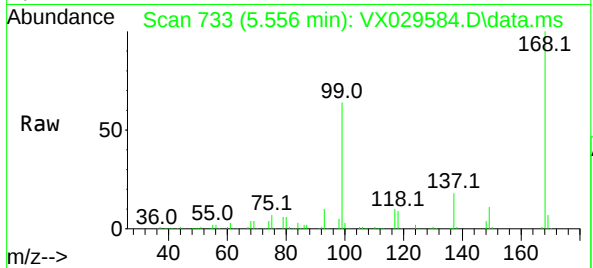




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

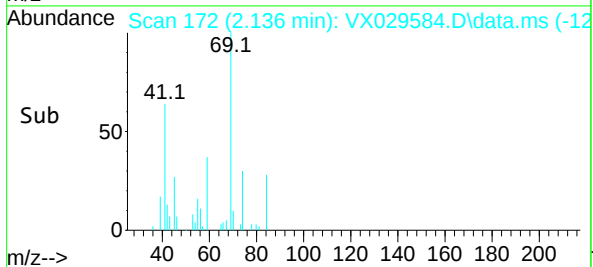
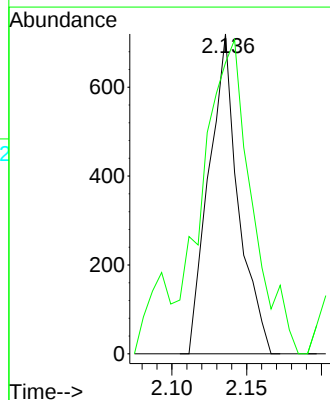
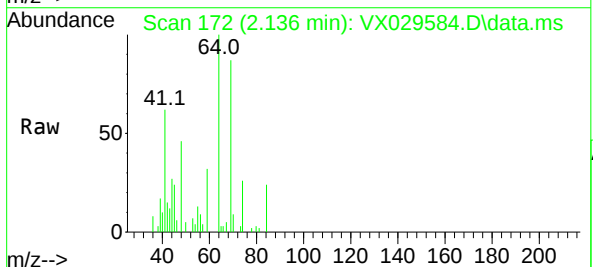
Instrument :
MSVOA_X
Client Sample Id :
MW-18

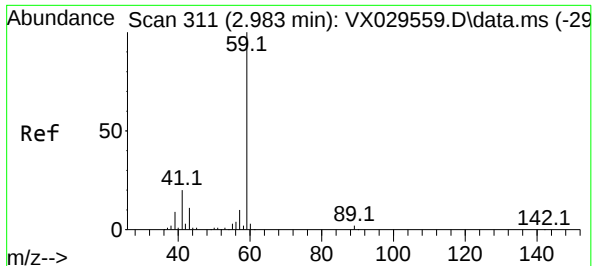
Tgt Ion:168 Resp: 270591
Ion Ratio Lower Upper
168 100
99 63.5 41.7 62.5#



#8
Diethyl Ether
Concen: 0.552 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion: 74 Resp: 985
Ion Ratio Lower Upper
74 100
45 162.5 42.0 126.0#

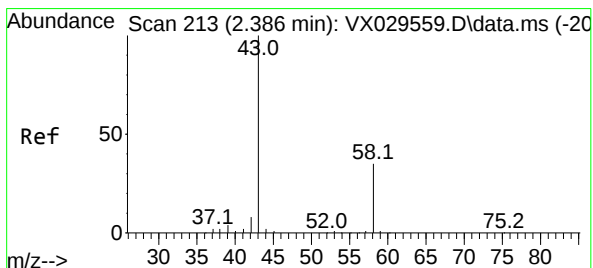
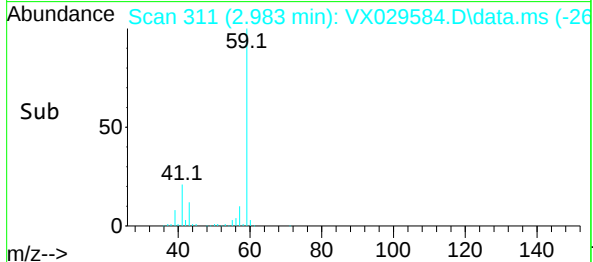
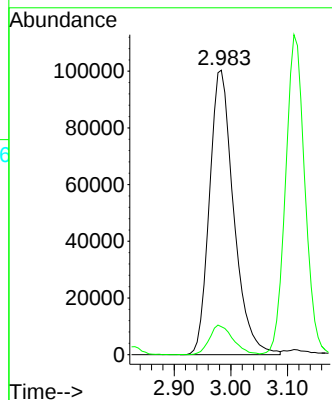
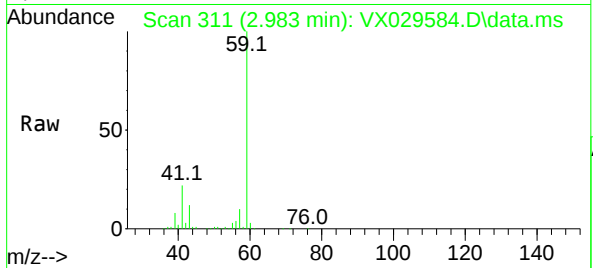




#11
Tert butyl alcohol
Concen: 387.067 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

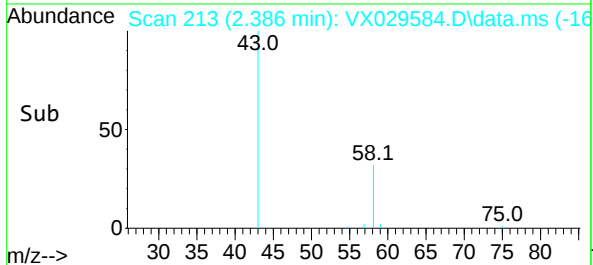
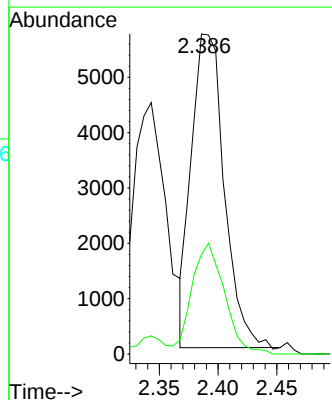
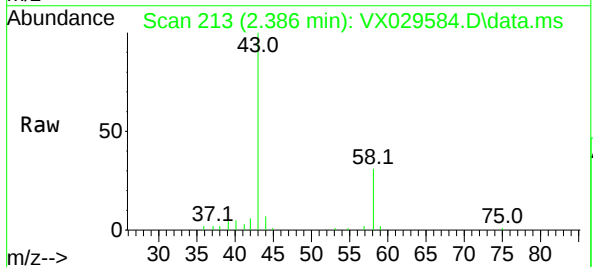
Instrument :
MSVOA_X
ClientSampleId :
MW-18

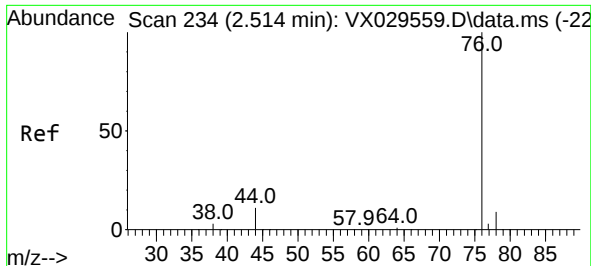
Tgt Ion: 59 Resp: 298172
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#16
Acetone
Concen: 7.718 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion: 43 Resp: 11019
Ion Ratio Lower Upper
43 100
58 31.7 28.8 43.2

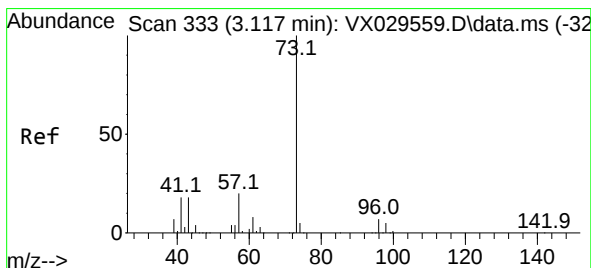
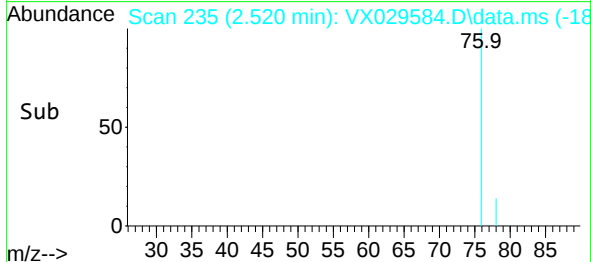
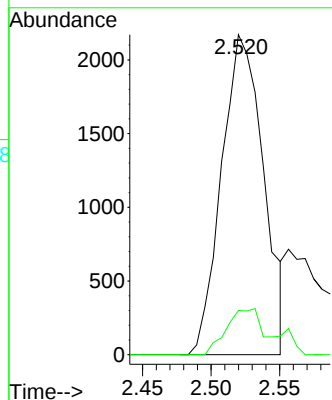
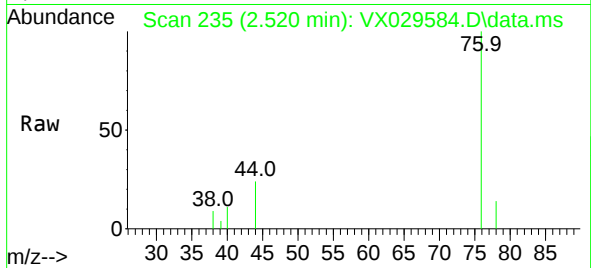




#17
Carbon Disulfide
Concen: 0.651 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

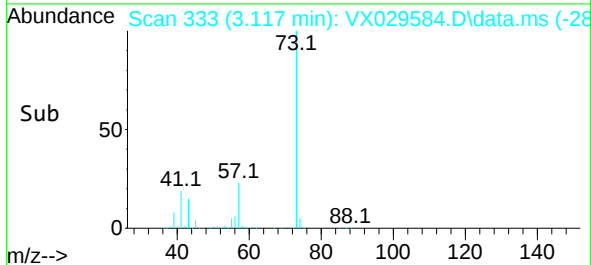
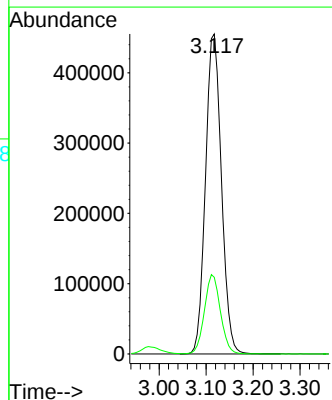
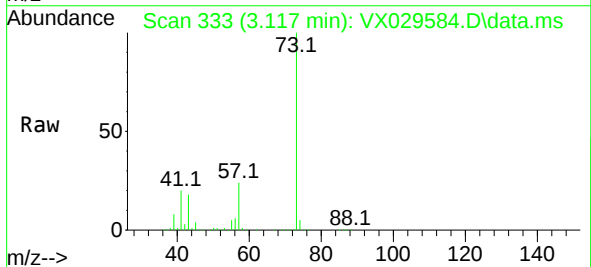
Instrument :
MSVOA_X
ClientSampleId :
MW-18

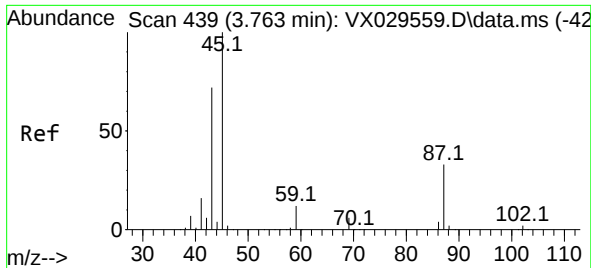
Tgt Ion: 76 Resp: 4629
Ion Ratio Lower Upper
76 100
78 13.8 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 112.300 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion: 73 Resp: 1068775
Ion Ratio Lower Upper
73 100
57 23.9 16.8 25.2

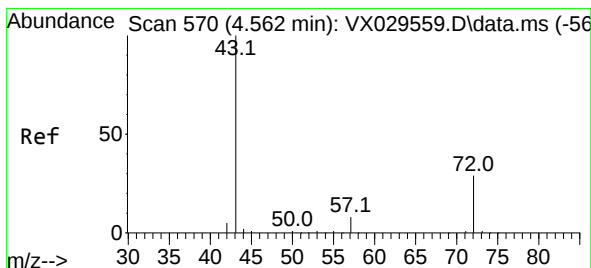
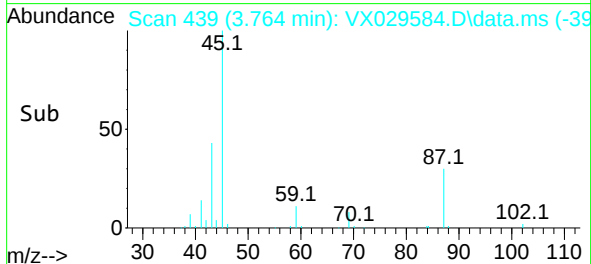
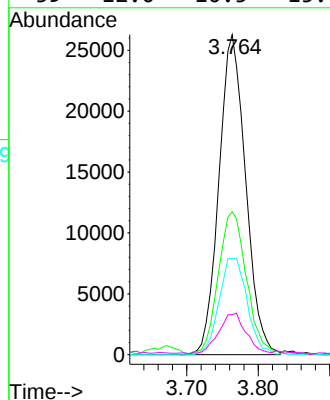
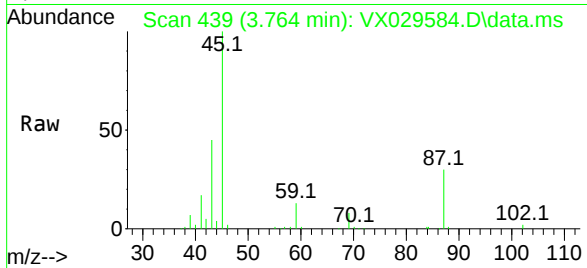




#22
Diisopropyl ether
Concen: 7.790 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.001 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

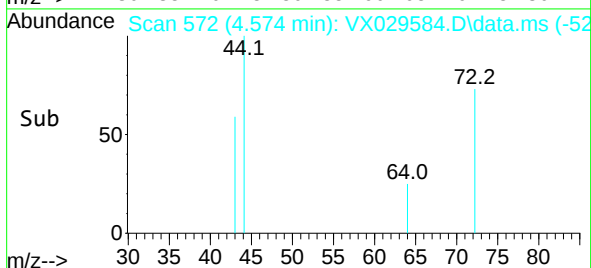
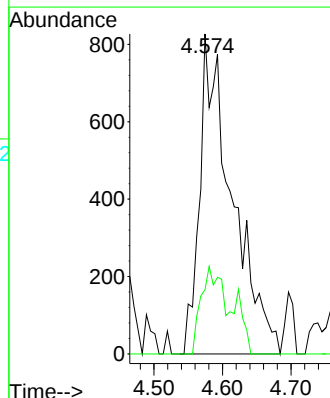
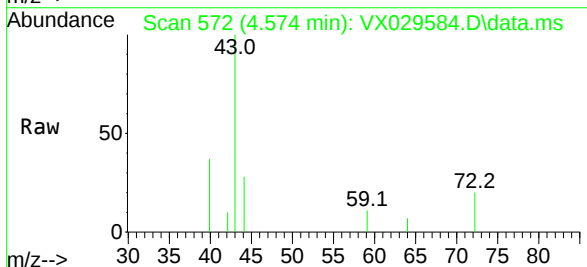
Instrument :
MSVOA_X
ClientSampleId :
MW-18

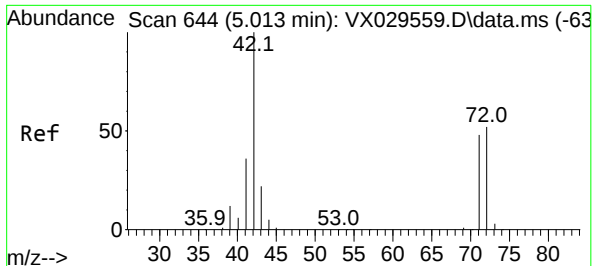
Tgt Ion:	45	Resp:	68212
Ion	Ratio	Lower	Upper
45	100		
43	43.8	50.8	76.2#
87	30.0	26.6	39.8
59	12.0	10.5	15.7



#25
2-Butanone
Concen: 1.196 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion:	43	Resp:	2698
Ion	Ratio	Lower	Upper
43	100		
72	20.1	24.4	36.6#





#29

Tetrahydrofuran

Concen: 9.313 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX029584.D

Acq: 18 Jun 2022 20:52

Instrument :

MSVOA_X

ClientSampleId :

MW-18

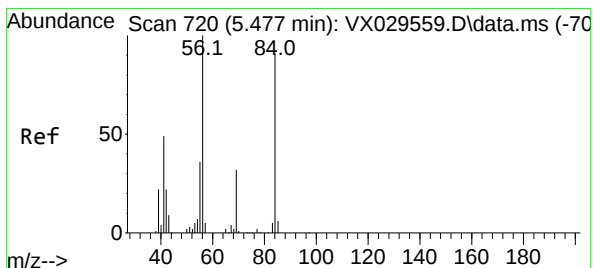
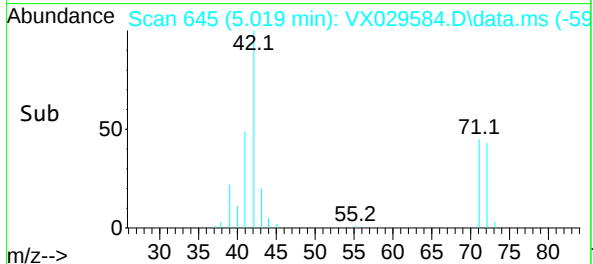
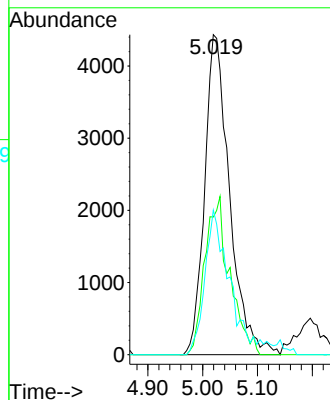
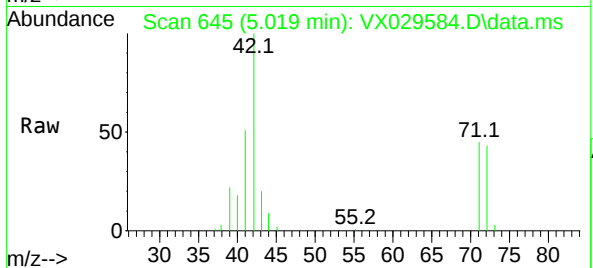
Tgt Ion: 42 Resp: 14006

Ion Ratio Lower Upper

42 100

72 49.1 44.1 66.1

71 46.1 40.5 60.7



#31

Cyclohexane

Concen: 15.087 ug/l

RT: 5.477 min Scan# 720

Delta R.T. -0.000 min

Lab File: VX029584.D

Acq: 18 Jun 2022 20:52

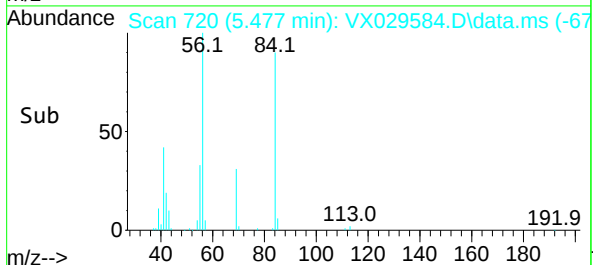
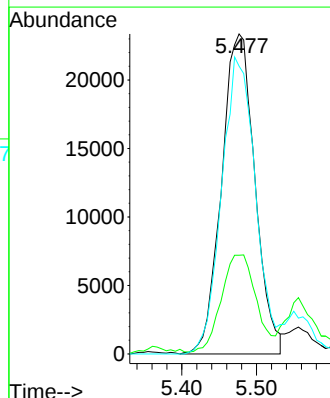
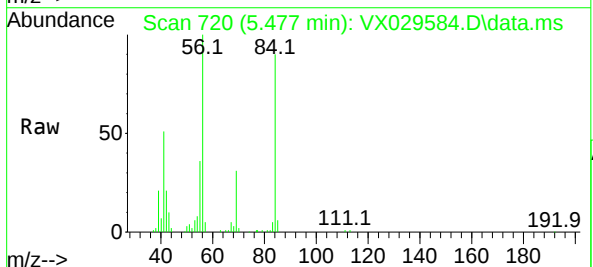
Tgt Ion: 56 Resp: 72550

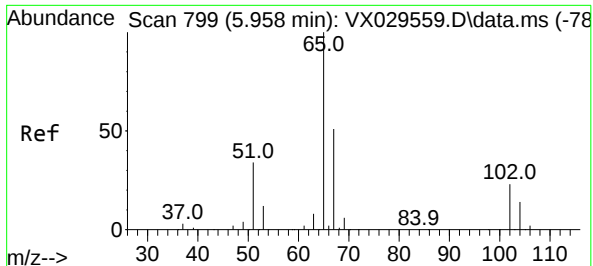
Ion Ratio Lower Upper

56 100

69 29.4 26.7 40.1

84 90.0 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 43.353 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029584.D

Acq: 18 Jun 2022 20:52

Instrument :

MSVOA_X

ClientSampleId :

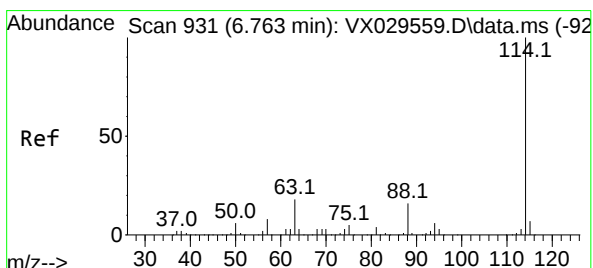
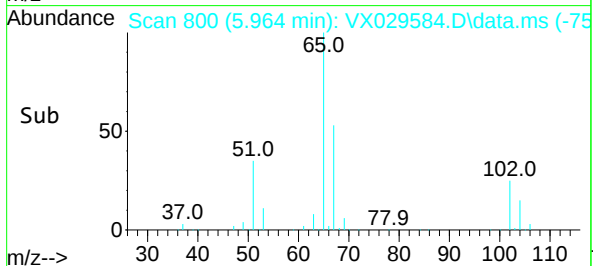
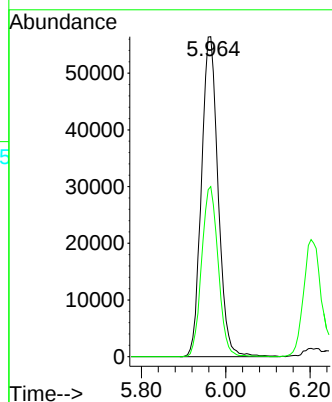
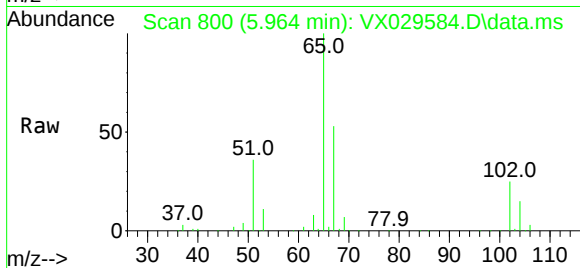
MW-18

Tgt Ion: 65 Resp: 155285

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029584.D

Acq: 18 Jun 2022 20:52

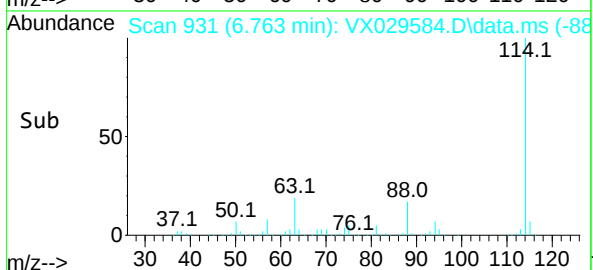
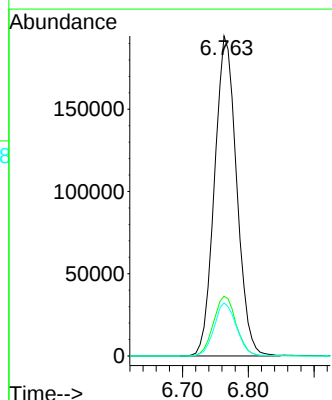
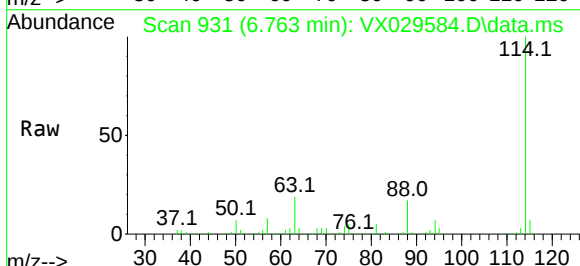
Tgt Ion: 114 Resp: 455513

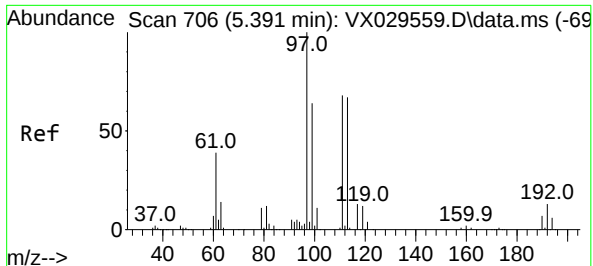
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 16.6 0.0 32.4

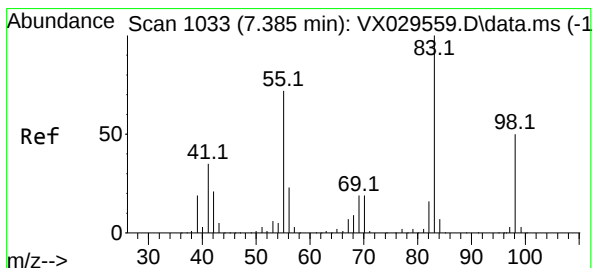
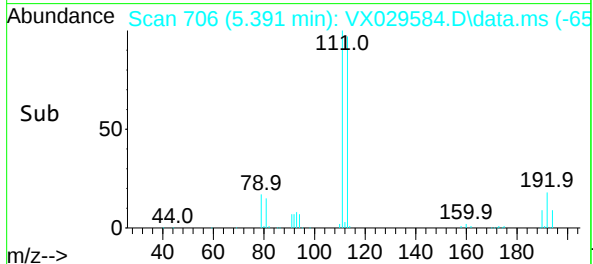
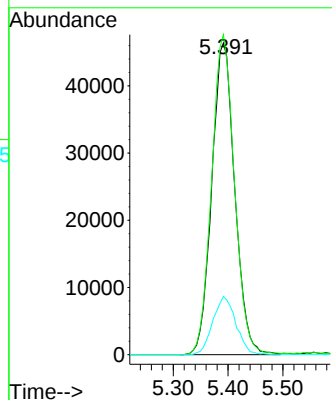
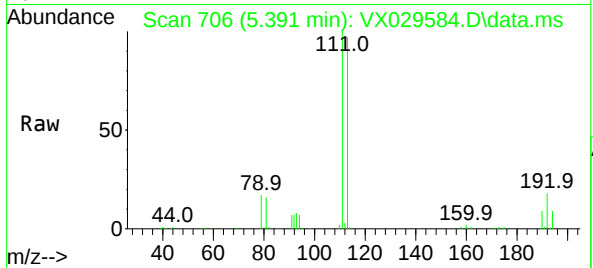




#35
Dibromofluoromethane
Concen: 45.412 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

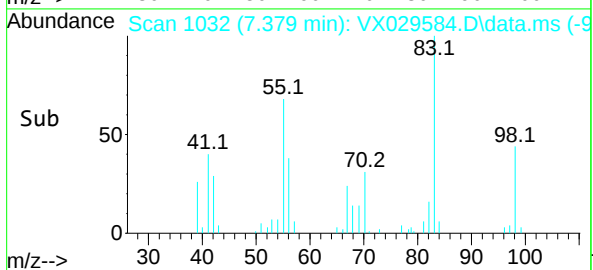
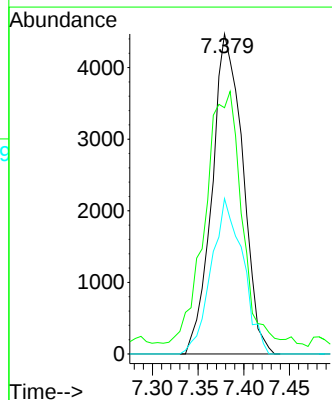
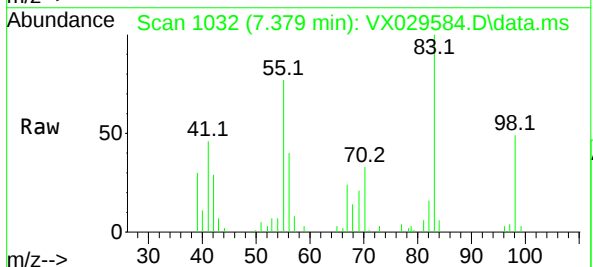
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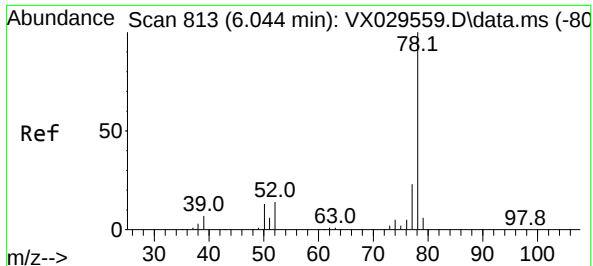
Tgt Ion:113 Resp: 134806
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 18.8 16.9 25.3



#39
Methylcyclohexane
Concen: 2.082 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion: 83 Resp: 10431
Ion Ratio Lower Upper
83 100
55 72.4 54.6 81.8
98 48.6 37.4 56.2

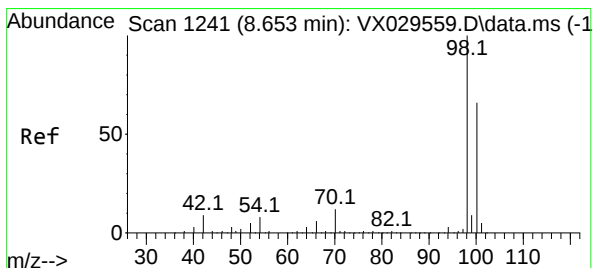
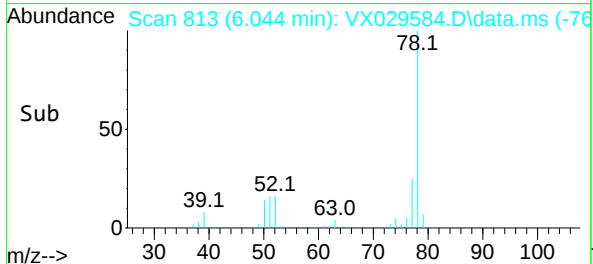
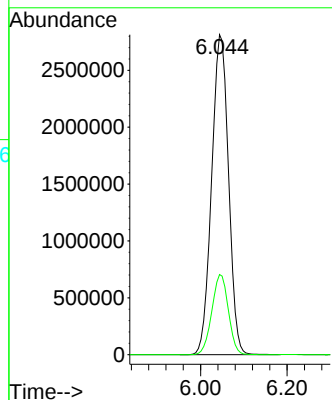
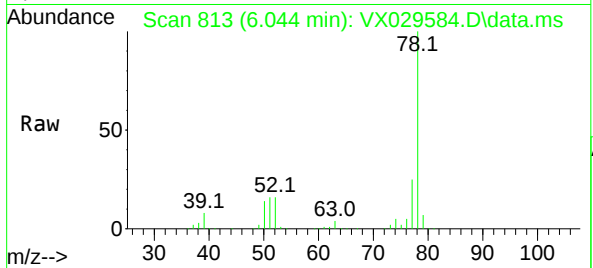




#40
Benzene
Concen: 640.145 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

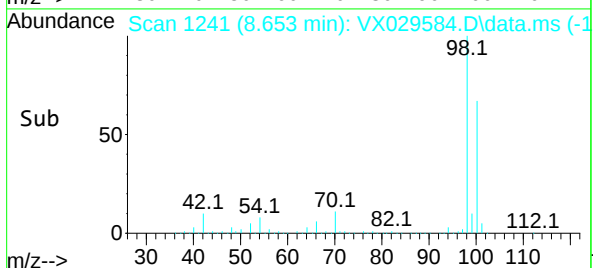
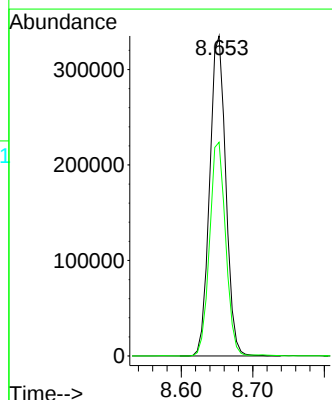
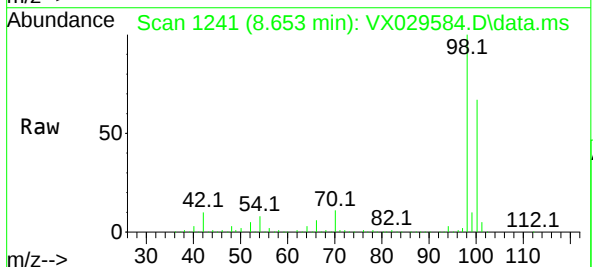
Instrument :
MSVOA_X
ClientSampleId :
MW-18

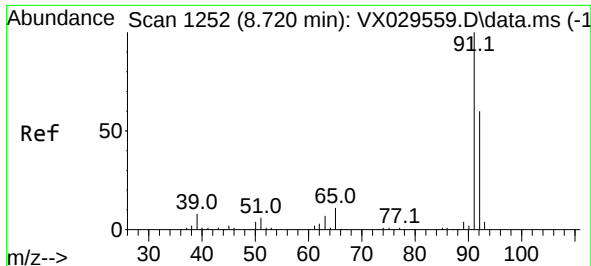
Tgt Ion: 78 Resp: 7623759
Ion Ratio Lower Upper
78 100
77 25.1 19.3 28.9



#50
Toluene-d8
Concen: 48.371 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion: 98 Resp: 524563
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8

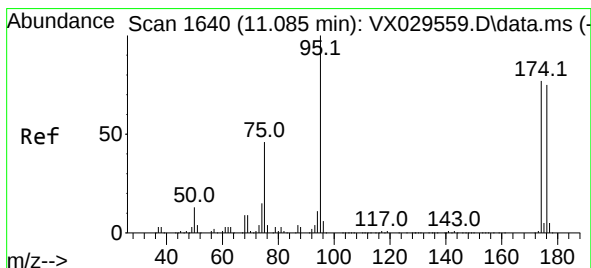
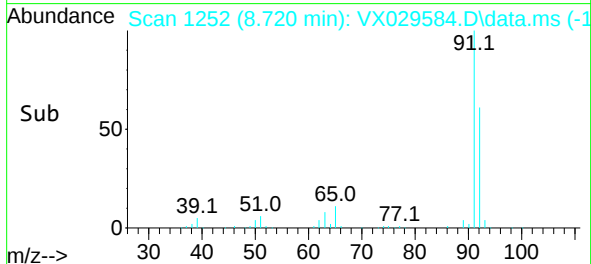
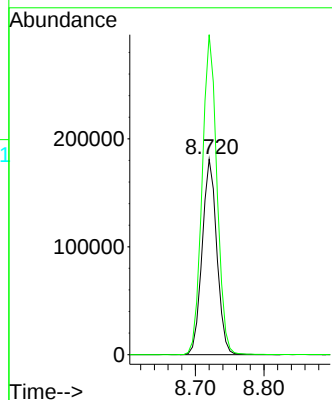
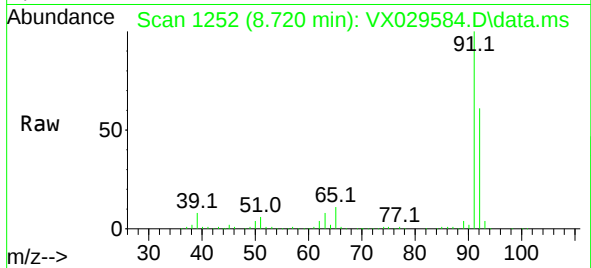




#52
Toluene
Concen: 35.448 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

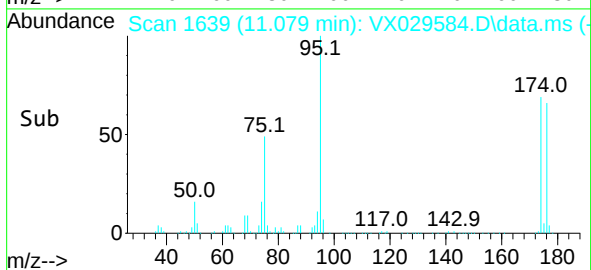
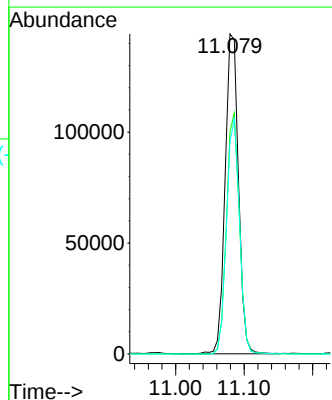
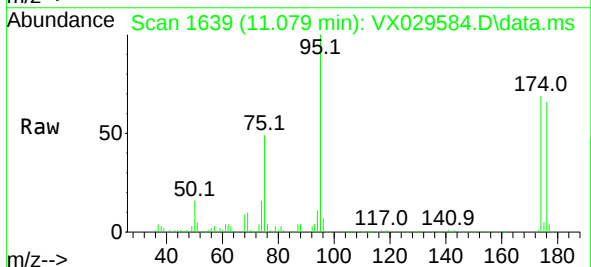
Instrument :
MSVOA_X
ClientSampleId :
MW-18

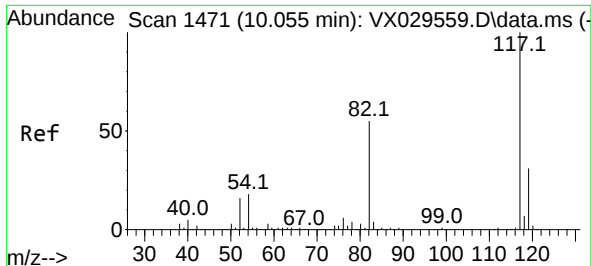
Tgt Ion: 92 Resp: 270334
Ion Ratio Lower Upper
92 100
91 165.2 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 47.468 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion: 95 Resp: 194125
Ion Ratio Lower Upper
95 100
174 72.9 0.0 163.0
176 71.4 0.0 155.0

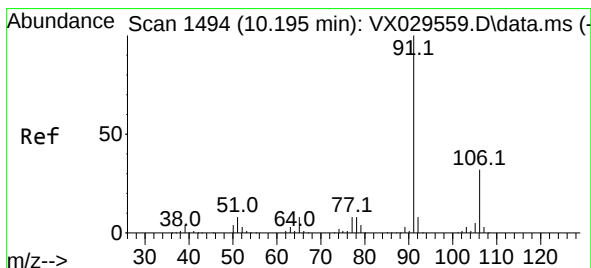
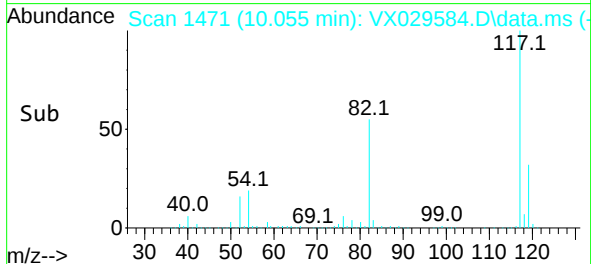
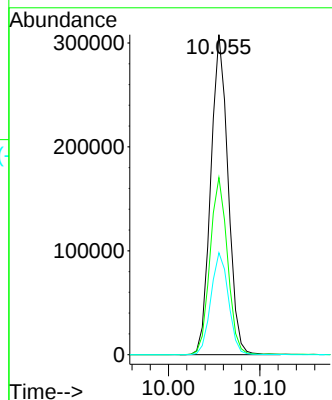
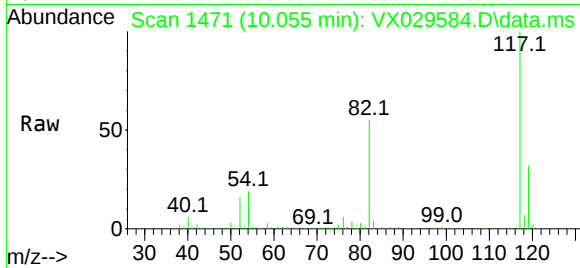




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

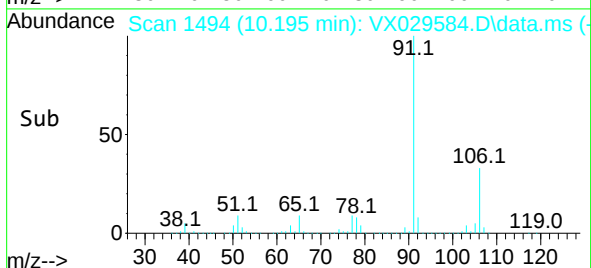
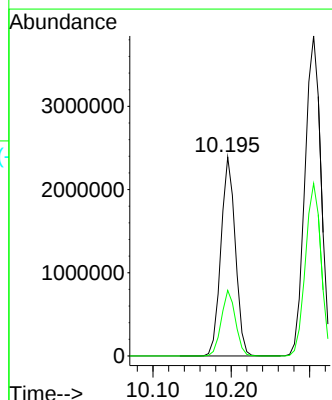
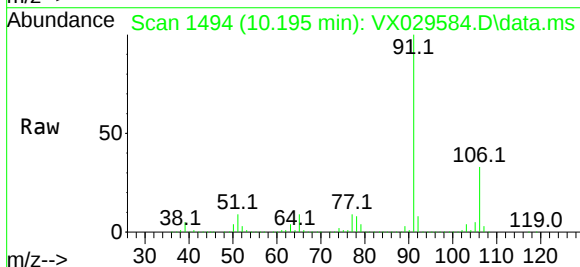
Instrument :
MSVOA_X
ClientSampleId :
MW-18

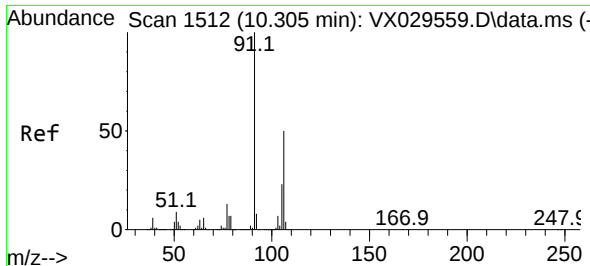
Tgt Ion:117 Resp: 403642
Ion Ratio Lower Upper
117 100
82 55.3 41.8 62.8
119 31.9 24.8 37.2



#67
Ethyl Benzene
Concen: 214.755 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion: 91 Resp: 3059788
Ion Ratio Lower Upper
91 100
106 33.0 24.6 36.8

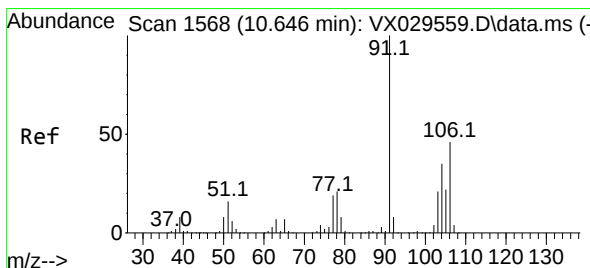
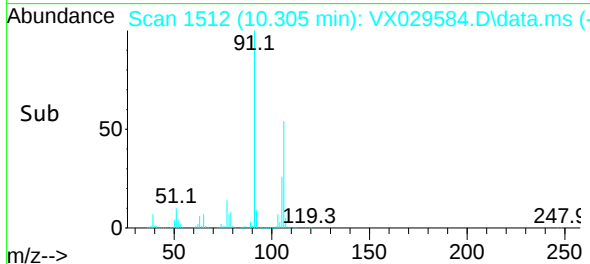
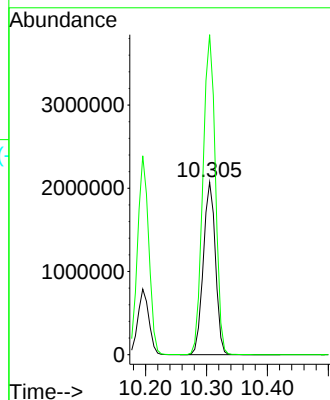
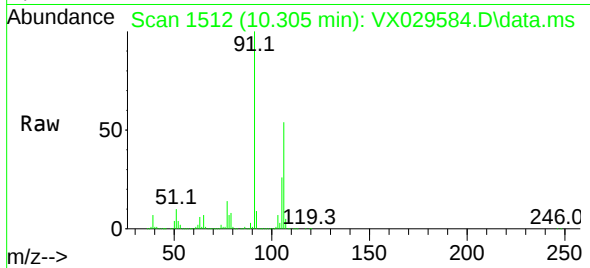




#68
m/p-Xylenes
Concen: 516.291 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

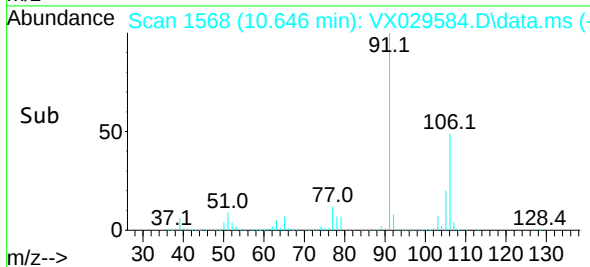
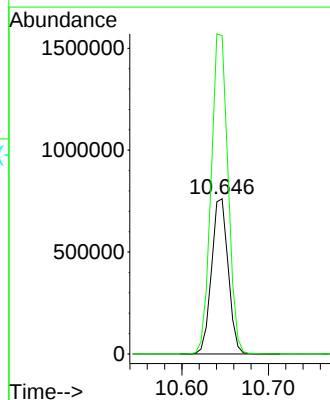
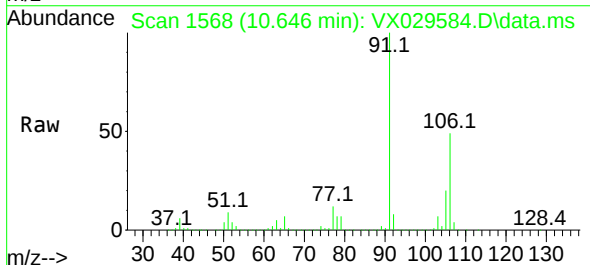
Instrument :
MSVOA_X
ClientSampleId :
MW-18

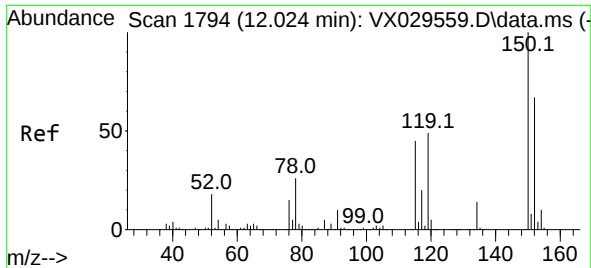
Tgt Ion:106 Resp: 2868670
Ion Ratio Lower Upper
106 100
91 190.8 160.4 240.6



#69
o-Xylene
Concen: 184.888 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion:106 Resp: 1014952
Ion Ratio Lower Upper
106 100
91 209.8 106.1 318.1

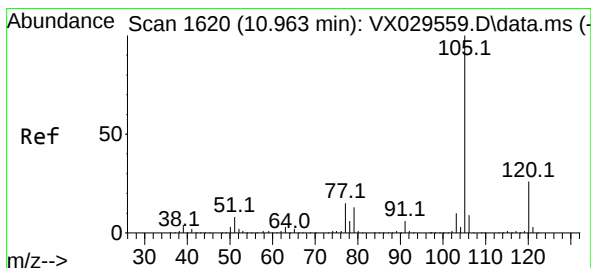
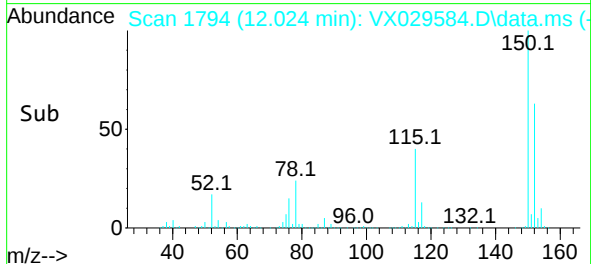
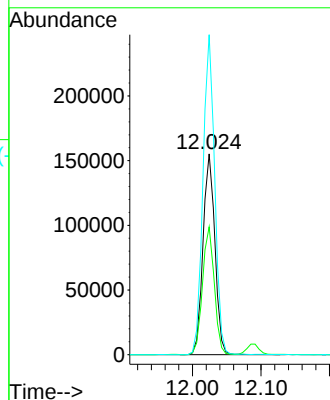
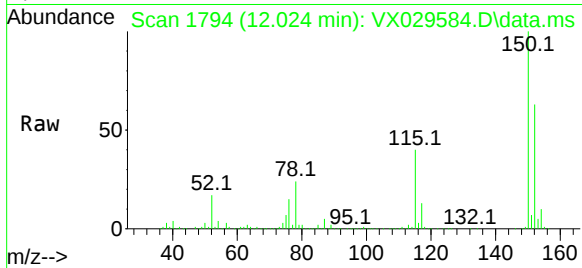




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

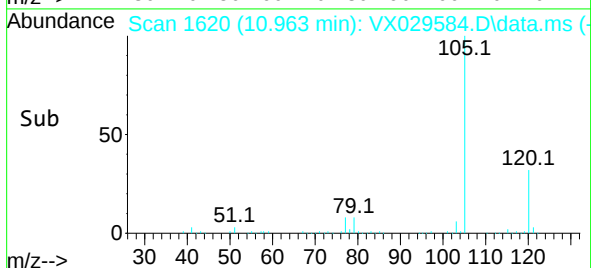
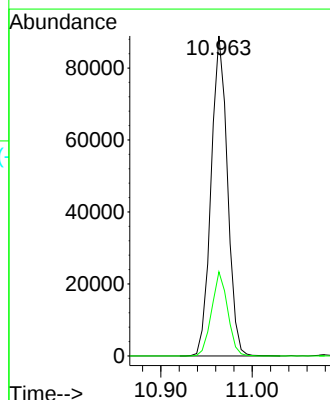
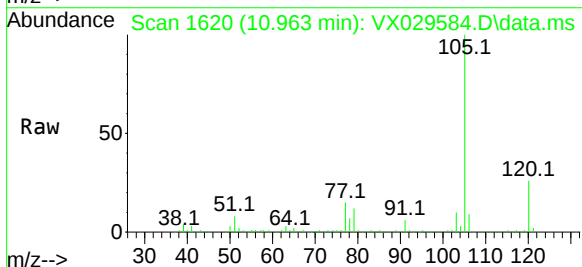
Instrument :
MSVOA_X
ClientSampleId :
MW-18

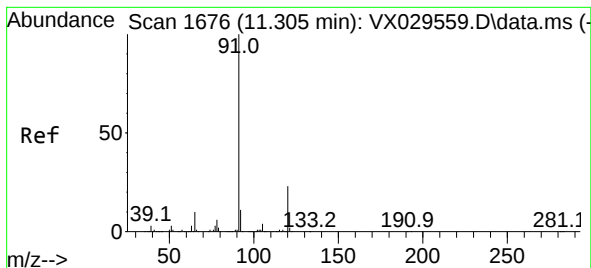
Tgt Ion:152 Resp: 187926
Ion Ratio Lower Upper
152 100
115 63.0 37.5 112.7
150 156.7 0.0 338.2



#73
Isopropylbenzene
Concen: 7.824 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion:105 Resp: 110249
Ion Ratio Lower Upper
105 100
120 25.7 13.5 40.5





#78

n-propylbenzene

Concen: 11.404 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX029584.D

Acq: 18 Jun 2022 20:52

Instrument :

MSVOA_X

ClientSampleId :

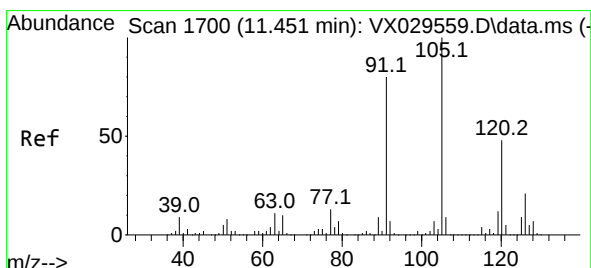
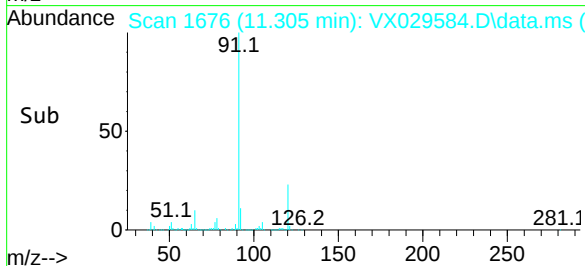
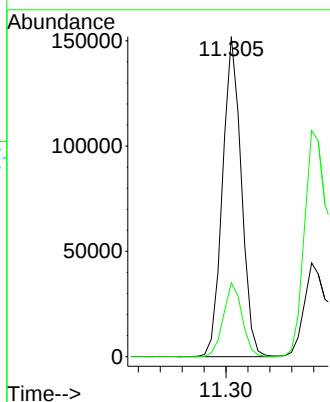
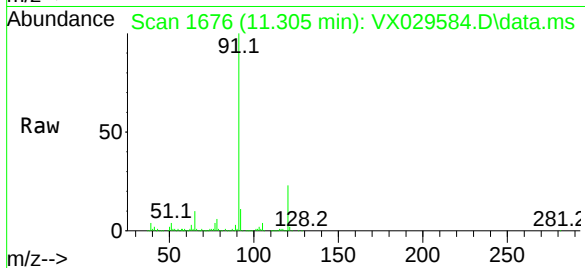
MW-18

Tgt Ion: 91 Resp: 180975

Ion Ratio Lower Upper

91 100

120 23.0 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 18.333 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX029584.D

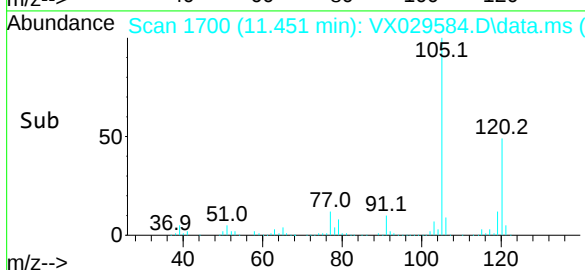
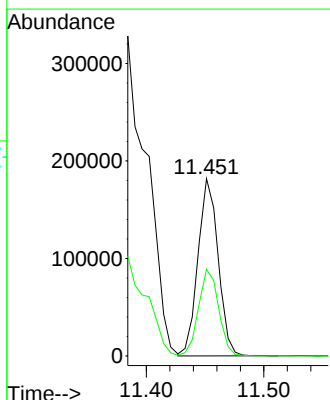
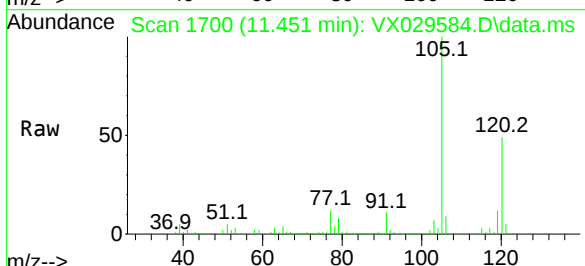
Acq: 18 Jun 2022 20:52

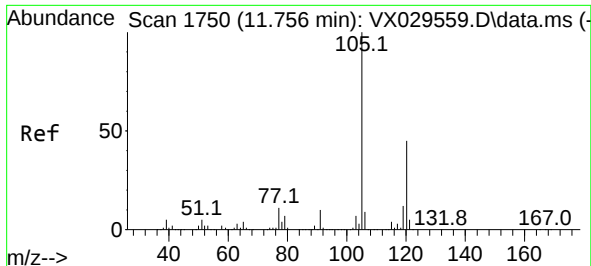
Tgt Ion:105 Resp: 217545

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.9

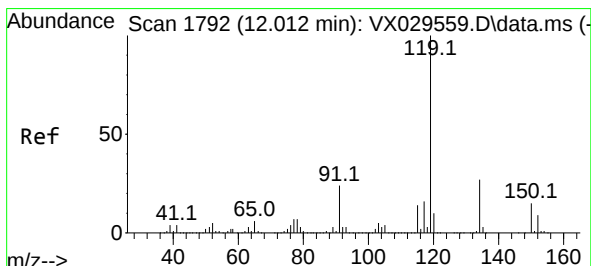
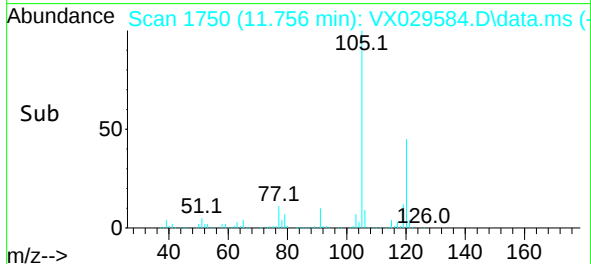
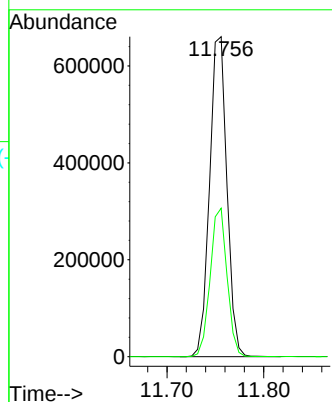
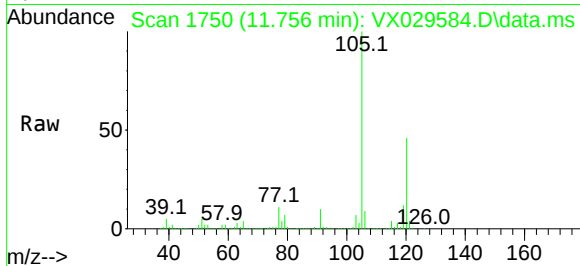




#84
 1,2,4-Trimethylbenzene
 Concen: 69.523 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: VX029584.D
 Acq: 18 Jun 2022 20:52

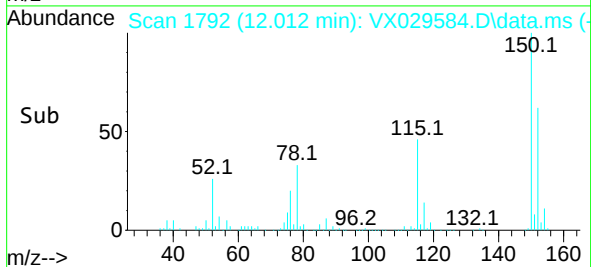
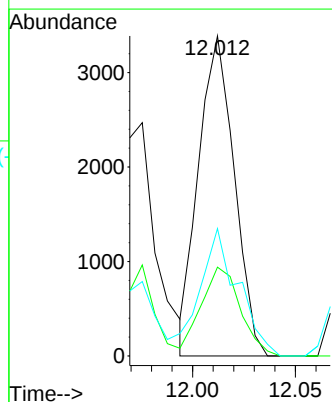
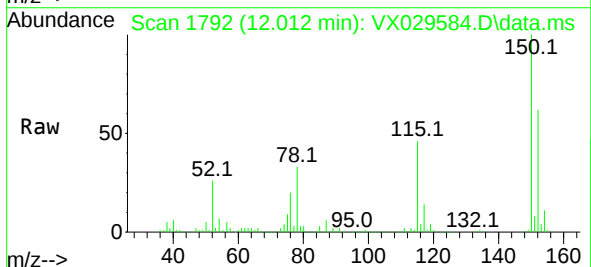
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18

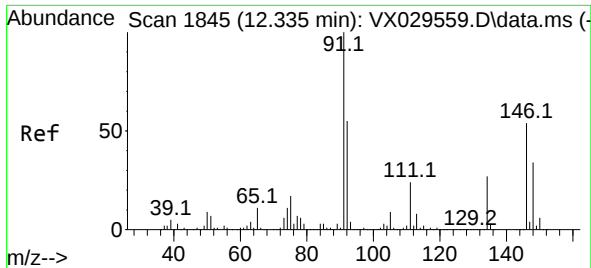
Tgt Ion:105 Resp: 822811
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8



#86
 p-Isopropyltoluene
 Concen: 0.340 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX029584.D
 Acq: 18 Jun 2022 20:52

Tgt Ion:119 Resp: 4082
 Ion Ratio Lower Upper
 119 100
 134 30.5 13.0 39.0
 91 0.0 11.3 33.9#

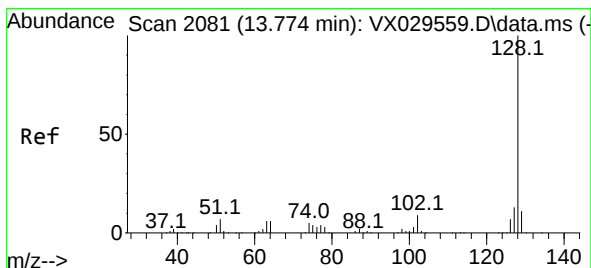
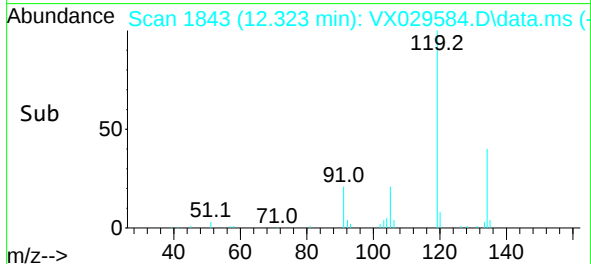
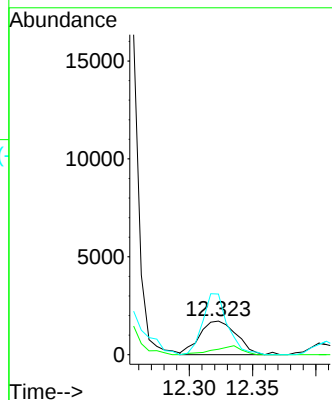
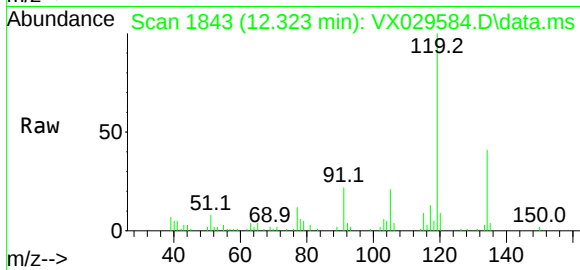




#89
n-Butylbenzene
Concen: 0.347 ug/l
RT: 12.323 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Instrument :
MSVOA_X
ClientSampleId :
MW-18

Tgt Ion: 91 Resp: 3521
Ion Ratio Lower Upper
91 100
92 20.1 27.8 83.3#
134 121.8 13.3 39.8#



#95
Naphthalene
Concen: 9.850 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX029584.D
Acq: 18 Jun 2022 20:52

Tgt Ion: 128 Resp: 129843
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.8 8.7 13.1

