

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029886.D
 Acq On : 30 Jun 2022 02:07
 Operator : JC/MD
 Sample : N3481-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19

Quant Time: Jun 30 06:27:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	224511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	385131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	337225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147012	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	125675	44.222	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.440%
35) Dibromofluoromethane	5.391	113	113683	47.233	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.460%
50) Toluene-d8	8.653	98	447954	49.611	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.220%
62) 4-Bromofluorobenzene	11.085	95	149552	46.856	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.720%

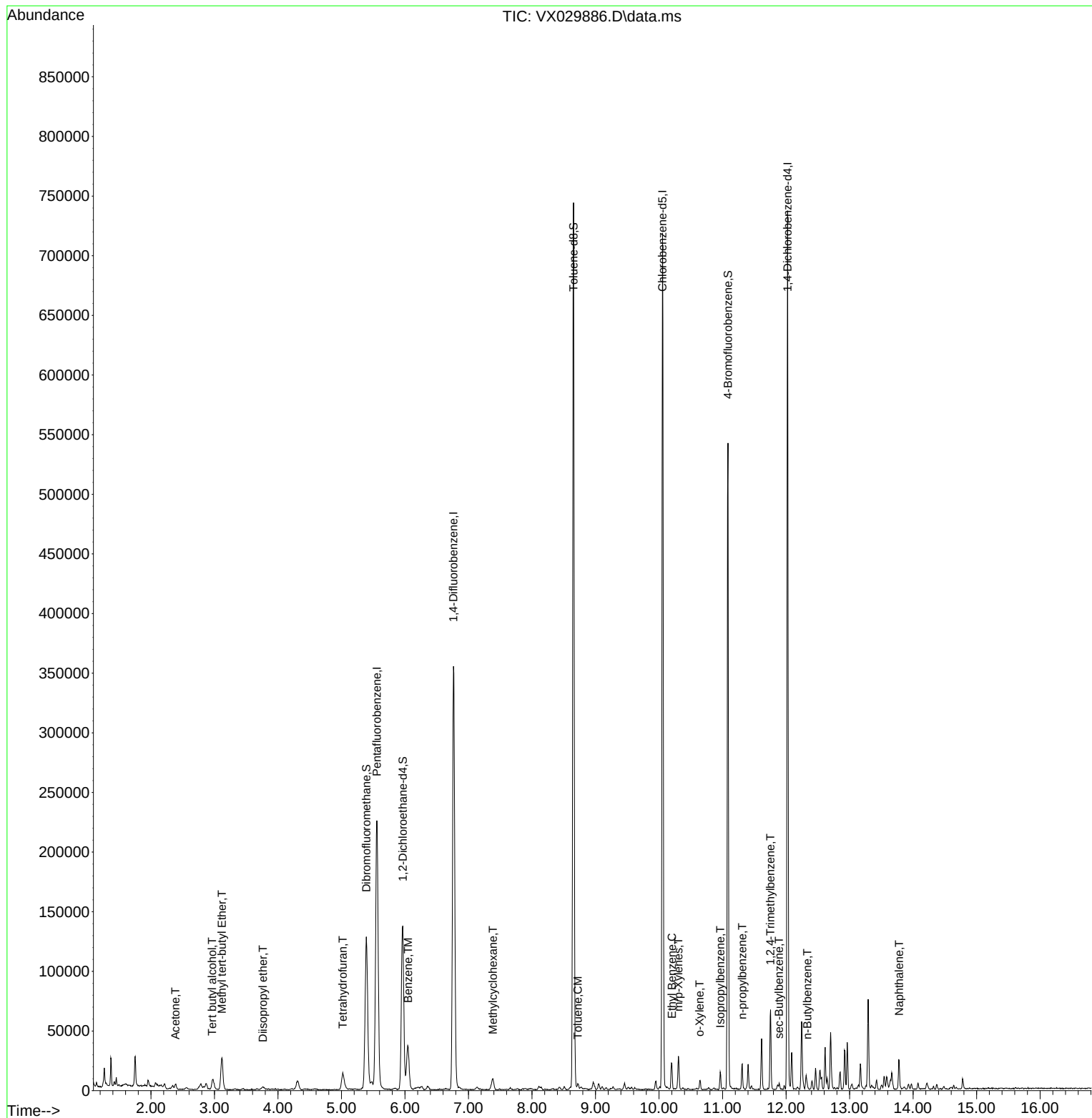
Target Compounds					Qvalue
11) Tert butyl alcohol	2.965	59	12290	16.536	ug/l 97
16) Acetone	2.386	43	5052	3.634	ug/l # 88
19) Methyl tert-butyl Ether	3.117	73	28306	3.626	ug/l 100
22) Diisopropyl ether	3.763	45	2386	0.277	ug/l # 73
29) Tetrahydrofuran	5.019	42	13131	8.268	ug/l 99
39) Methylcyclohexane	7.385	83	4112	1.062	ug/l 95
40) Benzene	6.050	78	45958	4.440	ug/l 97
52) Toluene	8.720	92	1684	0.270	ug/l 92
67) Ethyl Benzene	10.201	91	14329	1.217	ug/l 93
68) m/p-Xylenes	10.305	106	6252	1.384	ug/l 93
69) o-Xylene	10.640	106	1845	0.403	ug/l 90
73) Isopropylbenzene	10.963	105	7120	0.669	ug/l 96
78) n-propylbenzene	11.311	91	13055	1.041	ug/l 97
84) 1,2,4-Trimethylbenzene	11.756	105	29639	3.350	ug/l 97
85) sec-Butylbenzene	11.890	105	3277	0.297	ug/l 95
89) n-Butylbenzene	12.335	91	2205	0.266	ug/l # 59
95) Naphthalene	13.780	128	14922	1.257	ug/l 96

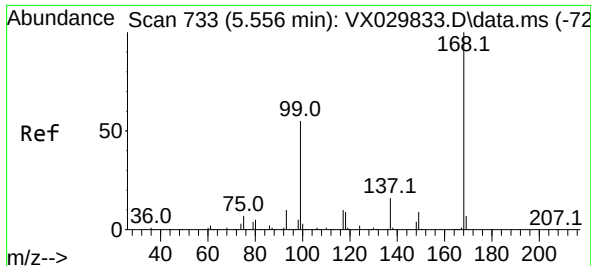
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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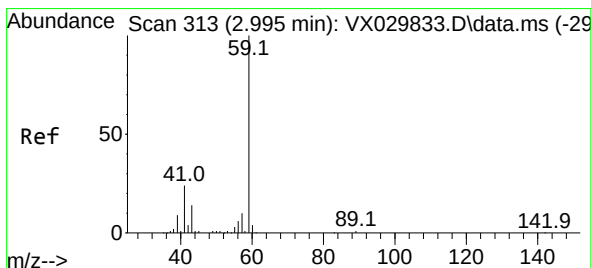
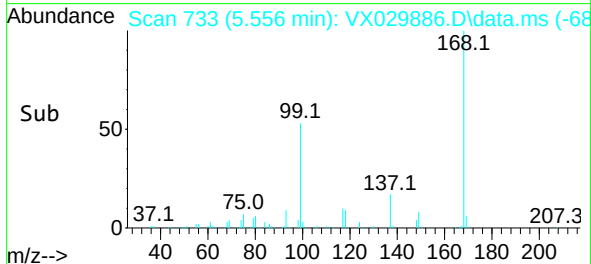
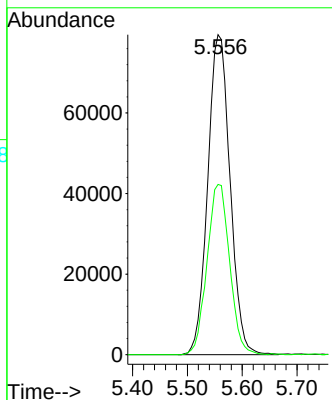
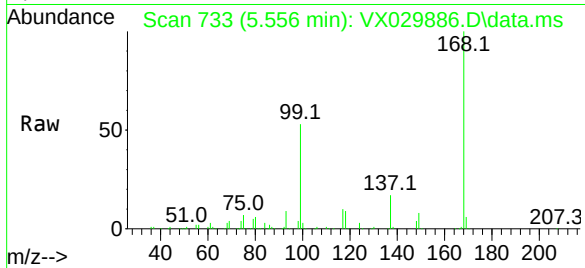




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

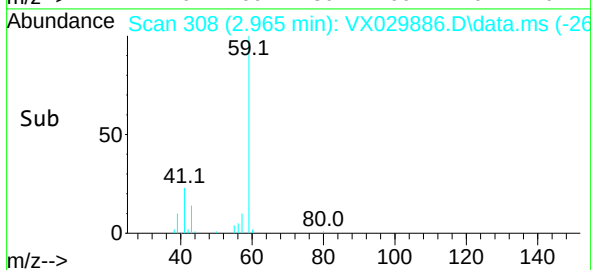
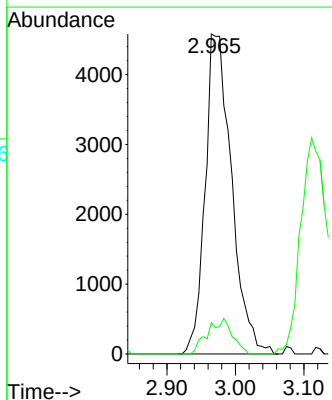
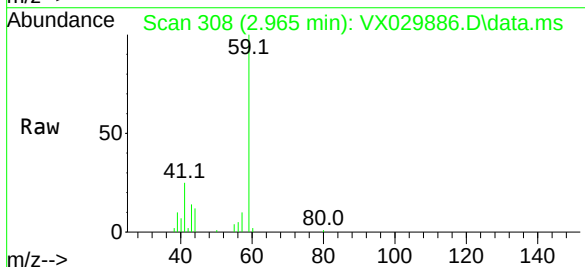
Instrument :
MSVOA_X
ClientSampleId :
MW-19

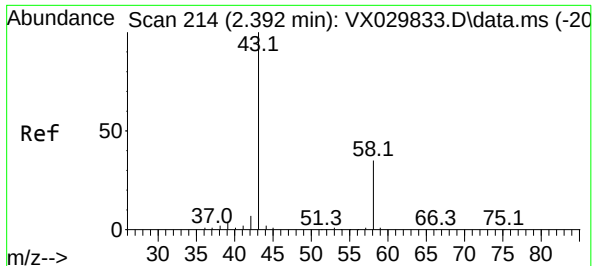
Tgt Ion:168 Resp: 224511
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#11
Tert butyl alcohol
Concen: 16.536 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.030 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

Tgt Ion: 59 Resp: 12290
Ion Ratio Lower Upper
59 100
57 10.4 7.4 11.2





#16

Acetone

Concen: 3.634 ug/l

RT: 2.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX029886.D

Acq: 30 Jun 2022 02:07

Instrument :

MSVOA_X

ClientSampleId :

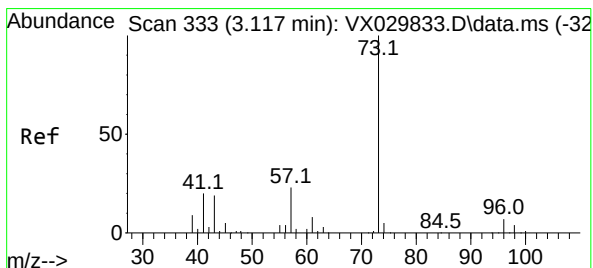
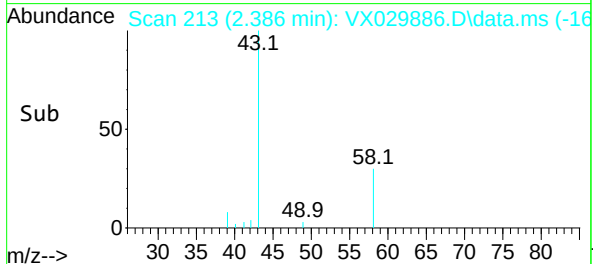
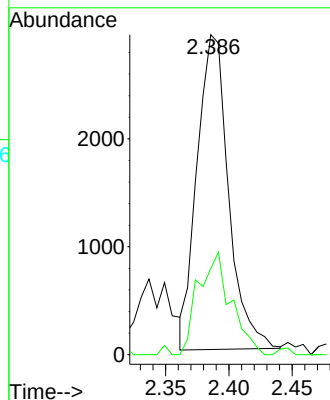
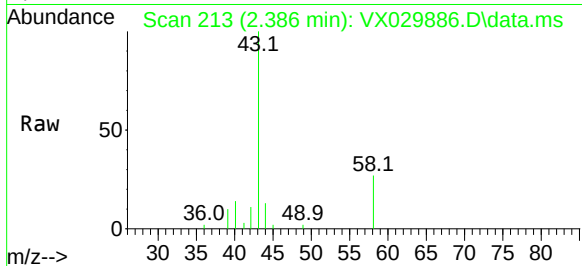
MW-19

Tgt Ion: 43 Resp: 5052

Ion Ratio Lower Upper

43 100

58 27.6 27.7 41.5#



#19

Methyl tert-butyl Ether

Concen: 3.626 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX029886.D

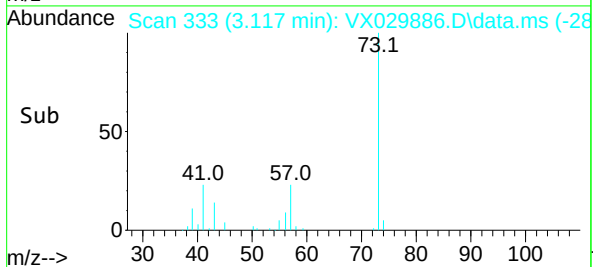
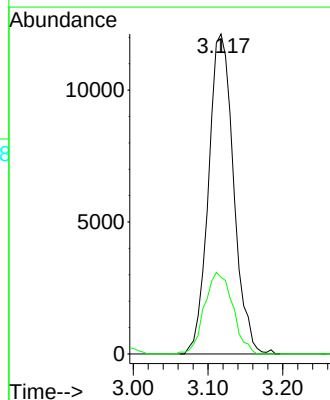
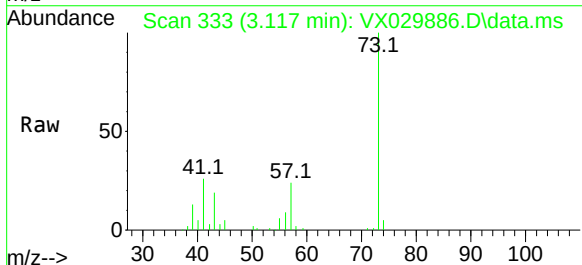
Acq: 30 Jun 2022 02:07

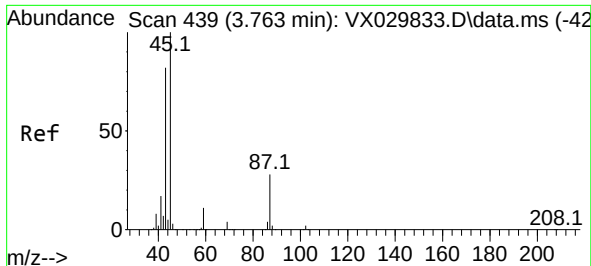
Tgt Ion: 73 Resp: 28306

Ion Ratio Lower Upper

73 100

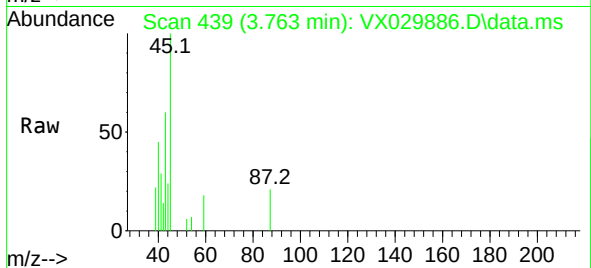
57 23.9 19.0 28.6



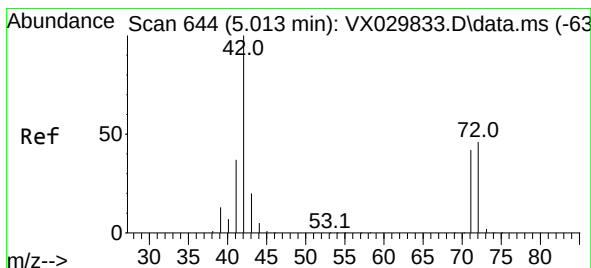
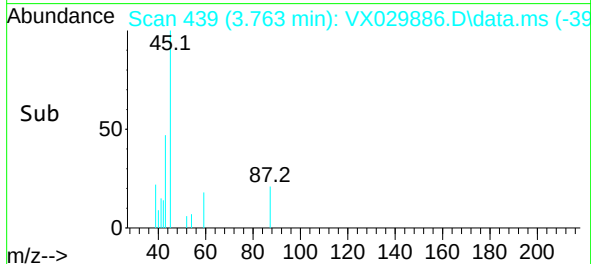
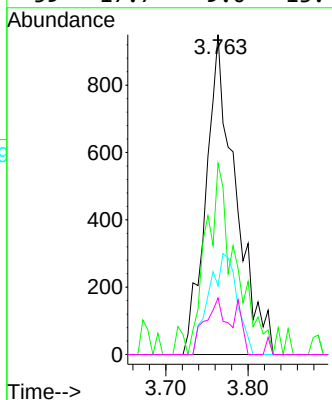


#22
Diisopropyl ether
Concen: 0.277 ug/l
RT: 3.763 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

Instrument :
MSVOA_X
ClientSampleId :
MW-19

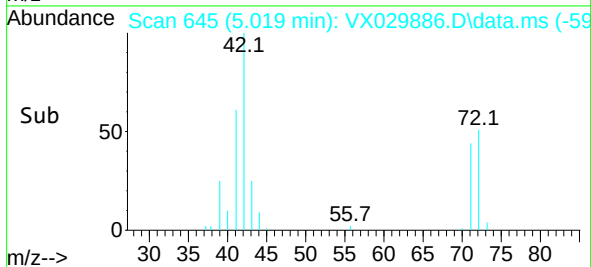
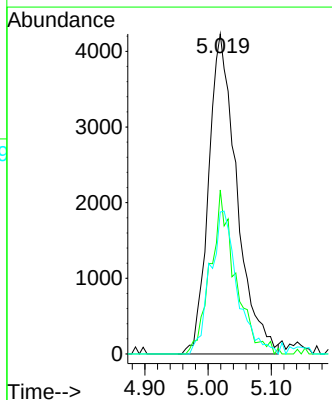
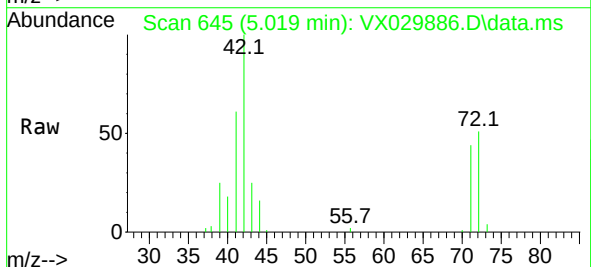


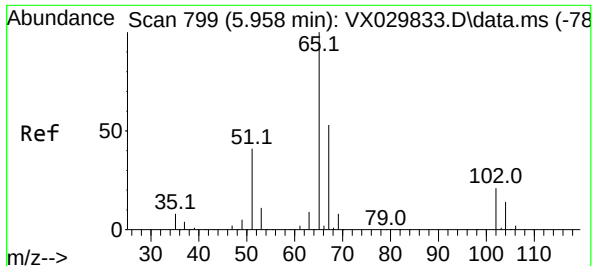
Tgt Ion:	45	Resp:	2386
Ion	Ratio	Lower	Upper
45	100		
43	51.4	65.4	98.0#
87	21.5	22.3	33.5#
59	17.7	9.0	13.4#



#29
Tetrahydrofuran
Concen: 8.268 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

Tgt Ion:	42	Resp:	13131
Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.5	54.7
71	43.0	33.9	50.9





#33

1,2-Dichloroethane-d4

Concen: 44.222 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029886.D

Acq: 30 Jun 2022 02:07

Instrument :

MSVOA_X

ClientSampleId :

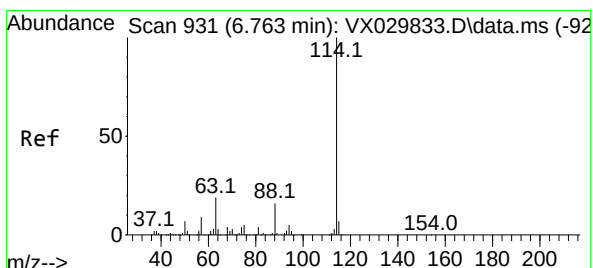
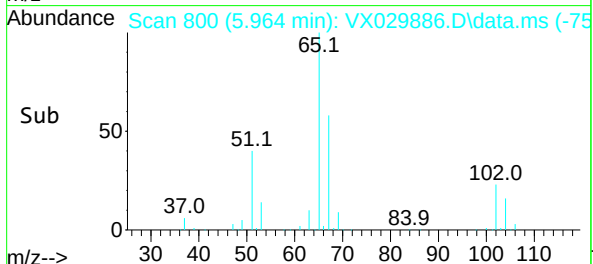
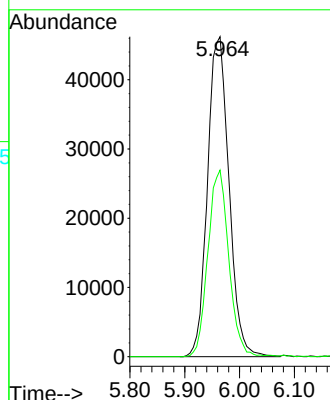
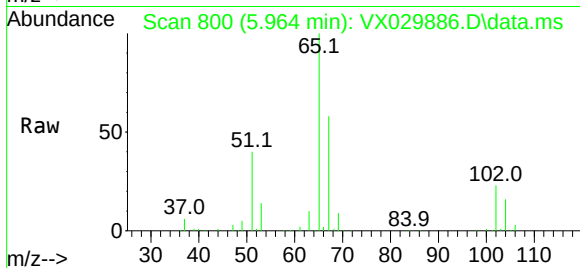
MW-19

Tgt Ion: 65 Resp: 125675

Ion Ratio Lower Upper

65 100

67 56.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029886.D

Acq: 30 Jun 2022 02:07

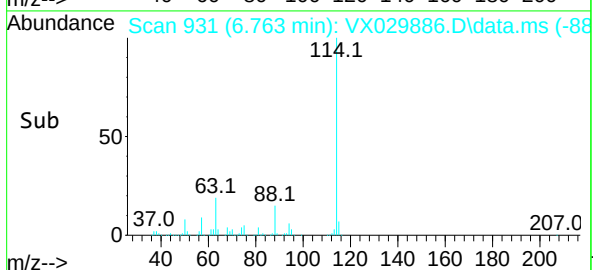
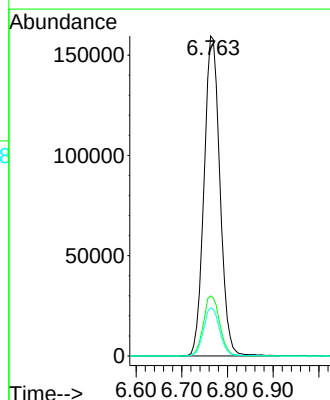
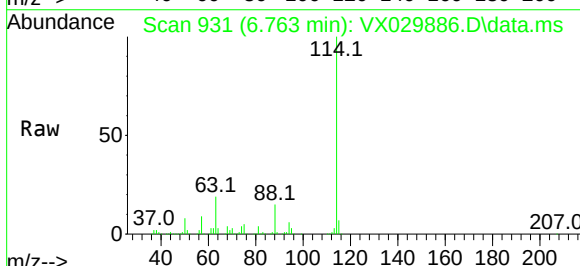
Tgt Ion: 114 Resp: 385131

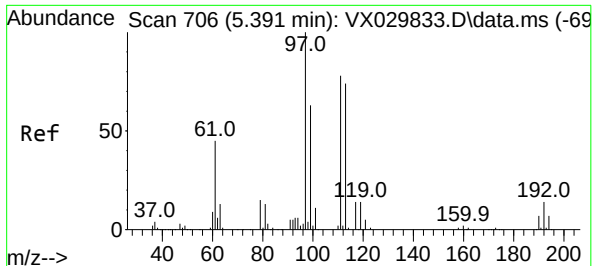
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.233 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029886.D

Acq: 30 Jun 2022 02:07

Instrument :

MSVOA_X

ClientSampleId :

MW-19

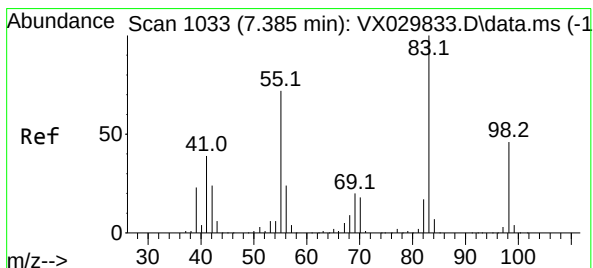
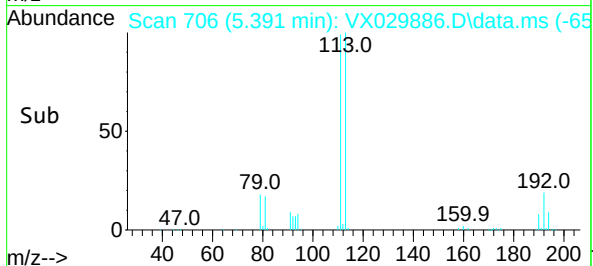
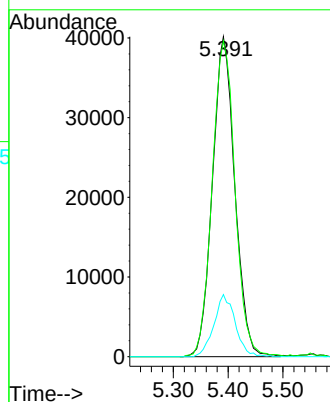
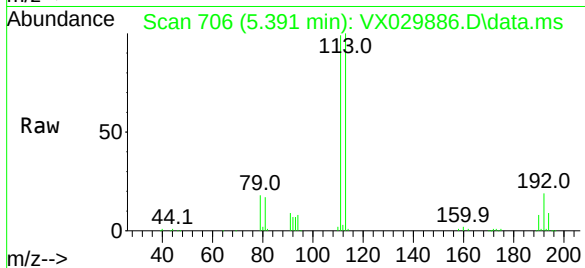
Tgt Ion:113 Resp: 113683

Ion Ratio Lower Upper

113 100

111 100.8 83.2 124.8

192 18.6 14.8 22.2



#39

Methylcyclohexane

Concen: 1.062 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX029886.D

Acq: 30 Jun 2022 02:07

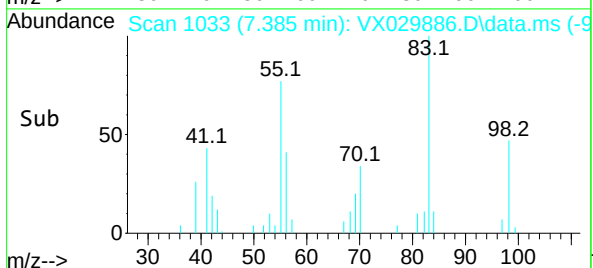
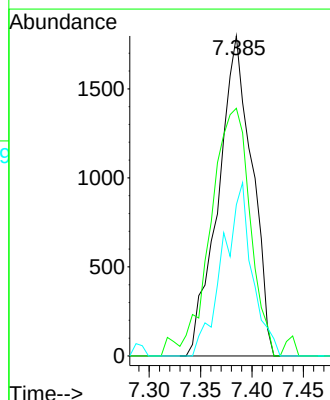
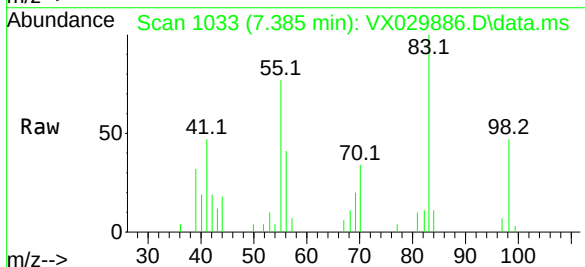
Tgt Ion: 83 Resp: 4112

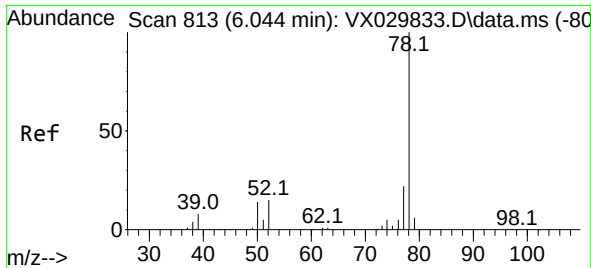
Ion Ratio Lower Upper

83 100

55 77.4 57.7 86.5

98 47.2 36.5 54.7

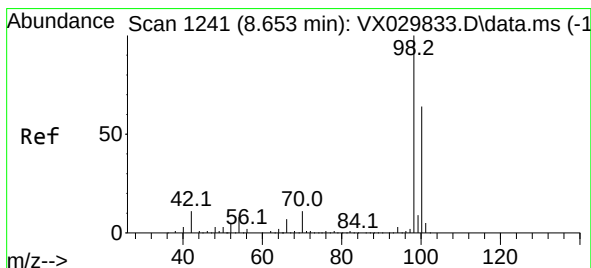
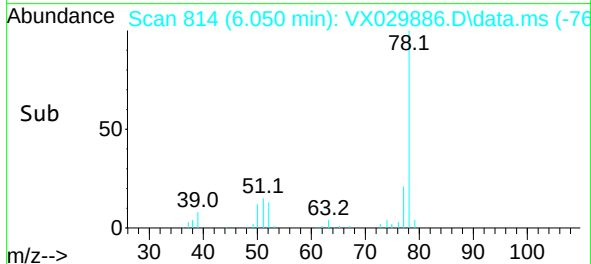
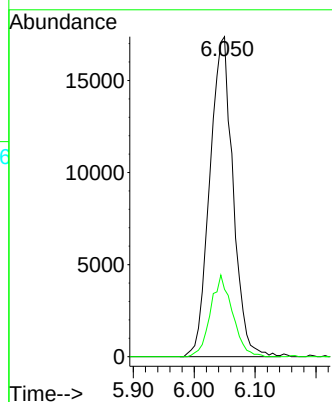
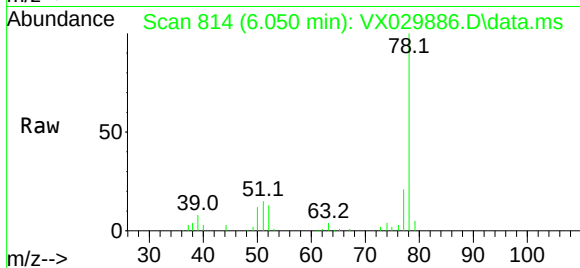




#40
Benzene
Concen: 4.440 ug/l
RT: 6.050 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

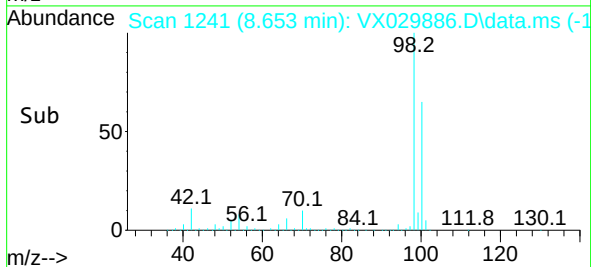
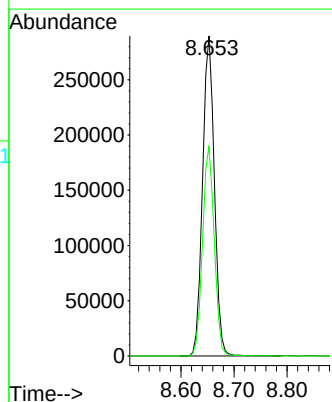
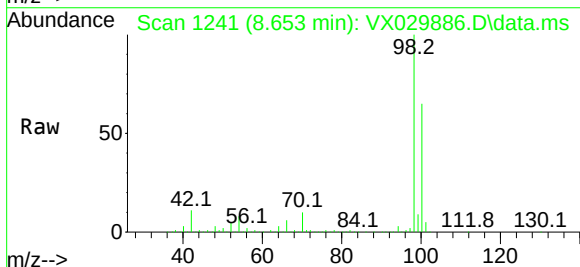
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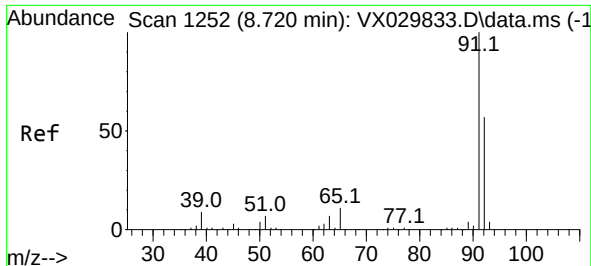
Tgt Ion: 78 Resp: 45958
Ion Ratio Lower Upper
78 100
77 21.0 18.0 27.0



#50
Toluene-d8
Concen: 49.611 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

Tgt Ion: 98 Resp: 447954
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5

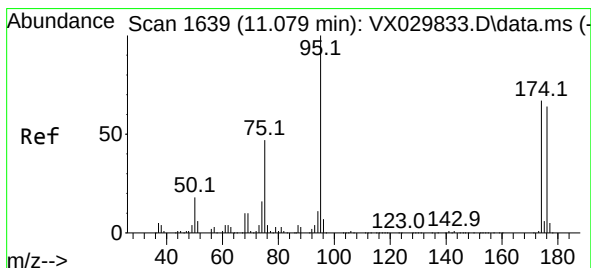
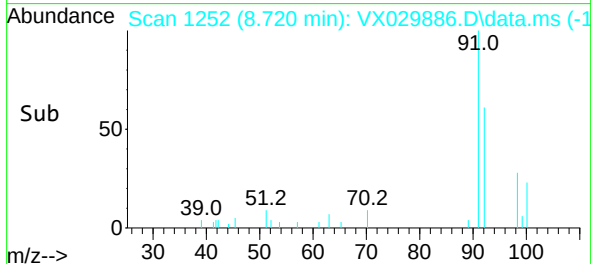
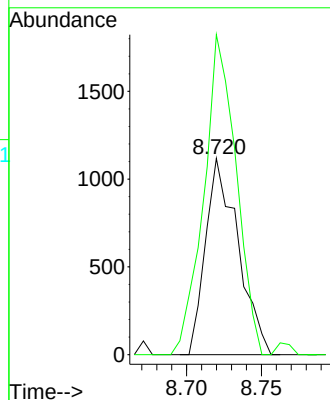
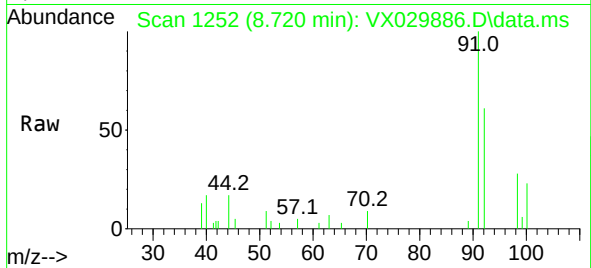




#52
Toluene
Concen: 0.270 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

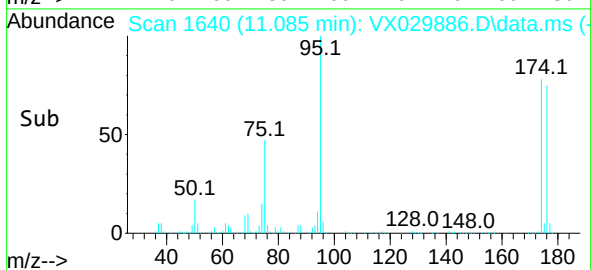
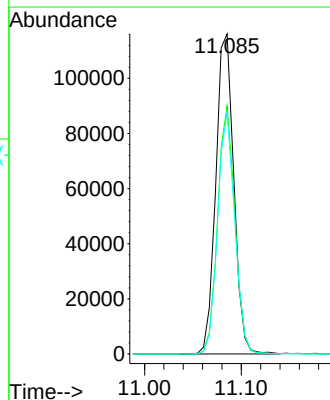
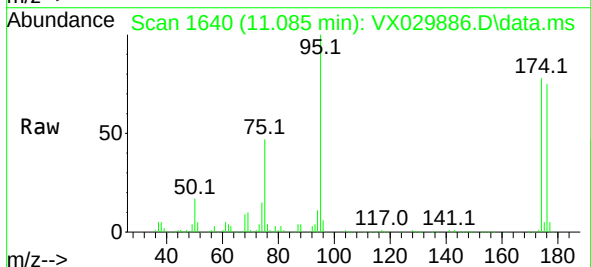
Instrument :
MSVOA_X
ClientSampleId :
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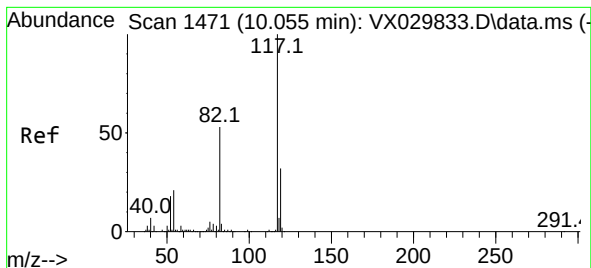
Tgt Ion: 92 Resp: 1684
Ion Ratio Lower Upper
92 100
91 162.9 139.2 208.8



#62
4-Bromofluorobenzene
Concen: 46.856 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

Tgt Ion: 95 Resp: 149552
Ion Ratio Lower Upper
95 100
174 74.5 0.0 149.0
176 71.7 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: VX029886.D

Acq: 30 Jun 2022 02:07

Instrument :

MSVOA_X

ClientSampleId :

MW-19

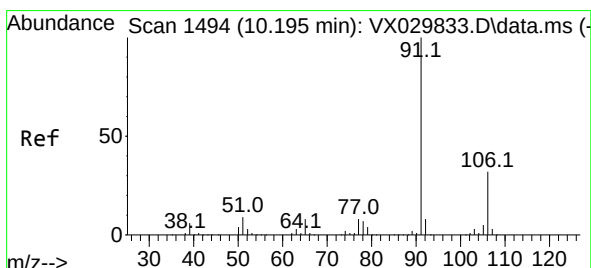
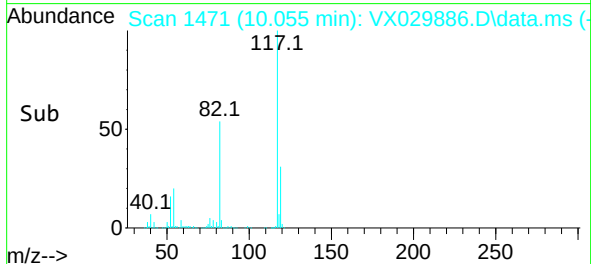
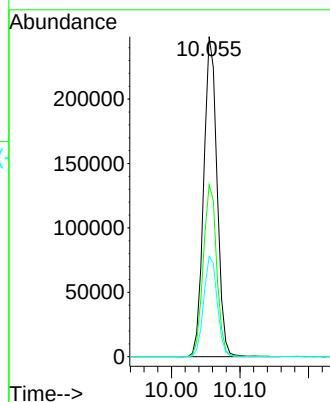
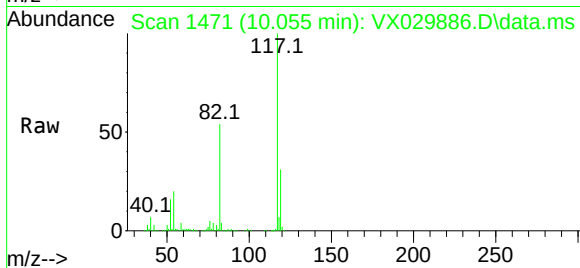
Tgt Ion:117 Resp: 337225

Ion Ratio Lower Upper

117 100

82 53.7 42.7 64.1

119 31.3 25.4 38.2



#67

Ethyl Benzene

Concen: 1.217 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX029886.D

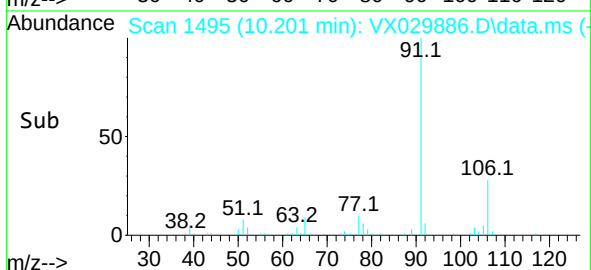
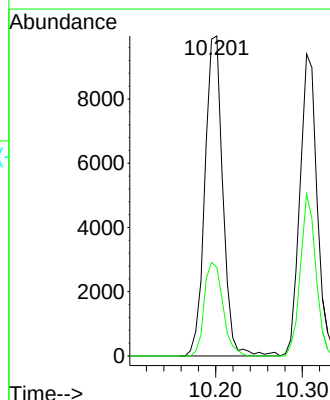
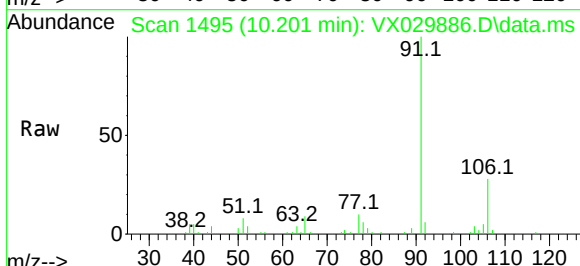
Acq: 30 Jun 2022 02:07

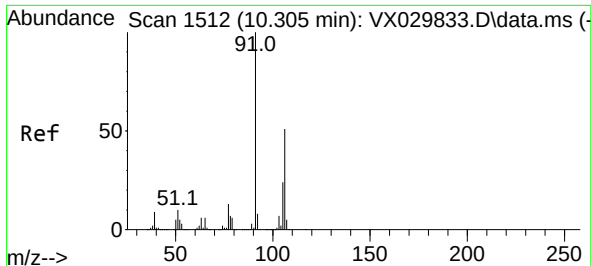
Tgt Ion: 91 Resp: 14329

Ion Ratio Lower Upper

91 100

106 27.7 25.5 38.3

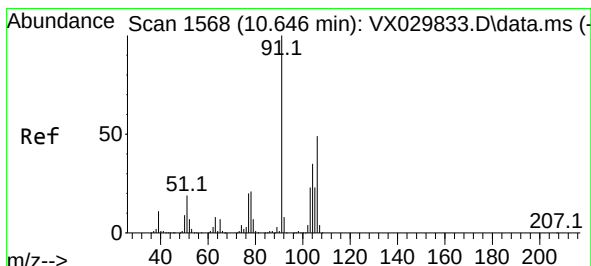
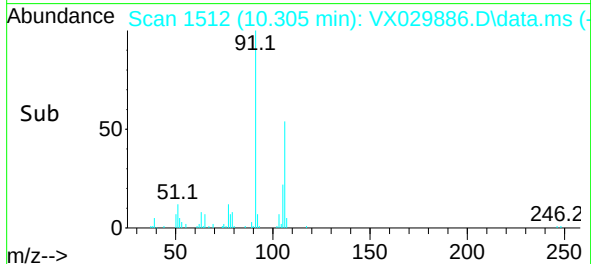
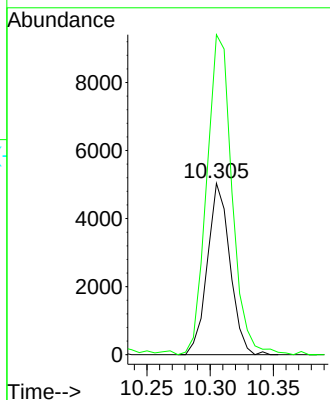
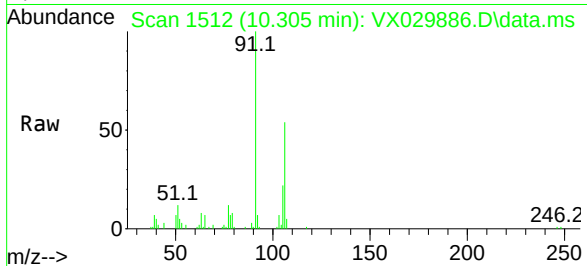




#68
m/p-Xylenes
Concen: 1.384 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

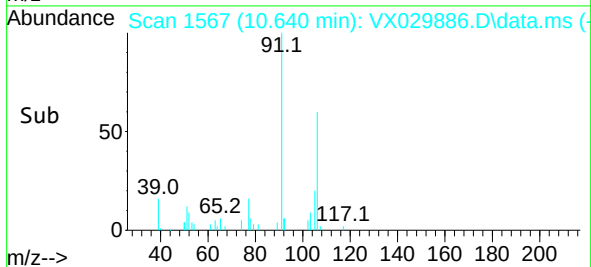
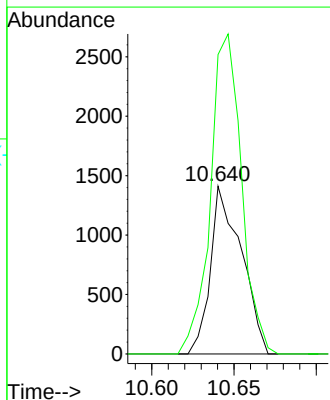
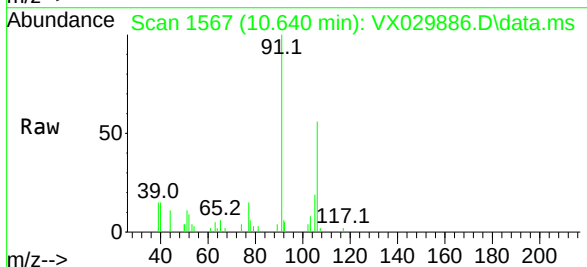
Instrument :
MSVOA_X
ClientSampleId :
MW-19

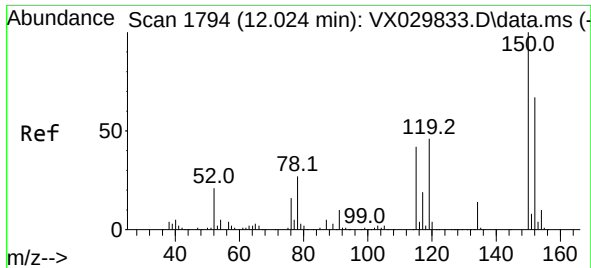
Tgt Ion:106 Resp: 6252
Ion Ratio Lower Upper
106 100
91 209.0 158.2 237.4



#69
o-Xylene
Concen: 0.403 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

Tgt Ion:106 Resp: 1845
Ion Ratio Lower Upper
106 100
91 191.6 103.8 311.6

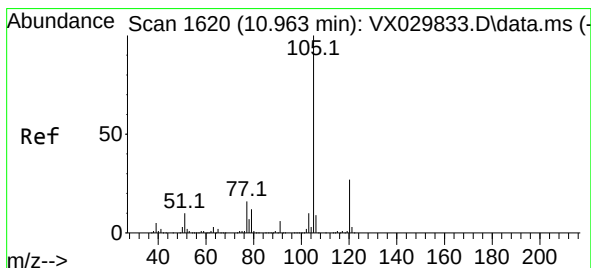
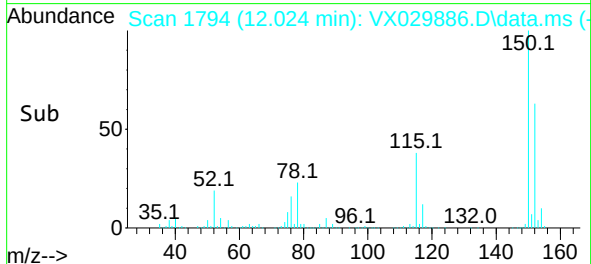
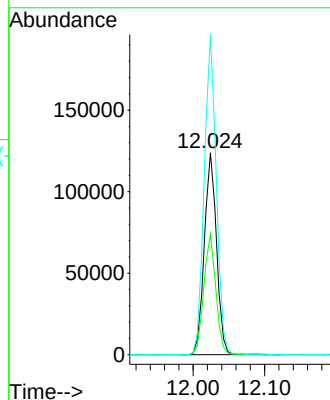
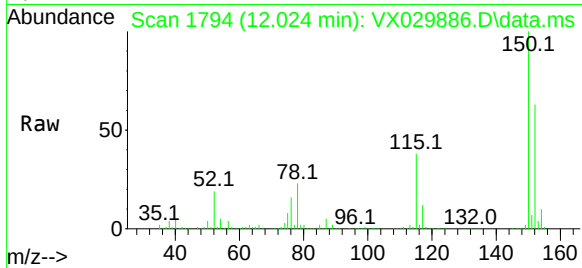




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029886.D
 Acq: 30 Jun 2022 02:07

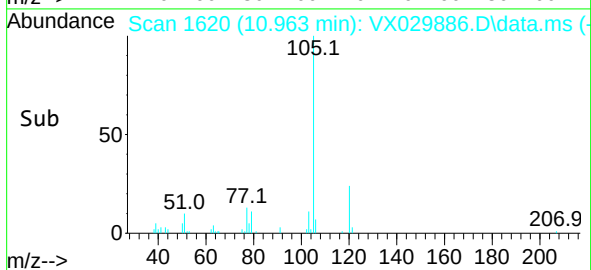
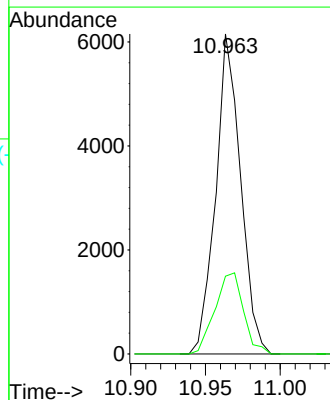
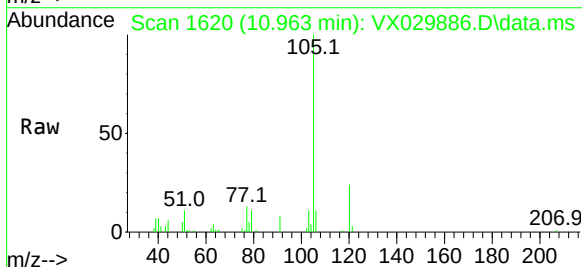
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19

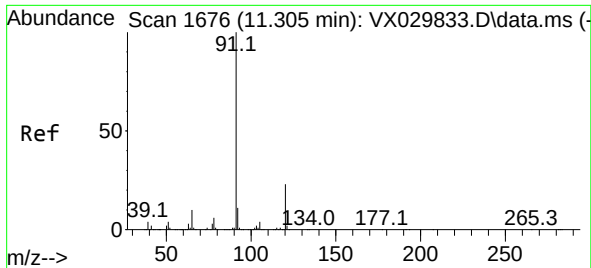
Tgt Ion:152 Resp: 147012
 Ion Ratio Lower Upper
 152 100
 115 58.9 40.5 121.5
 150 156.8 0.0 347.0



#73
 Isopropylbenzene
 Concen: 0.669 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX029886.D
 Acq: 30 Jun 2022 02:07

Tgt Ion:105 Resp: 7120
 Ion Ratio Lower Upper
 105 100
 120 29.0 13.5 40.4

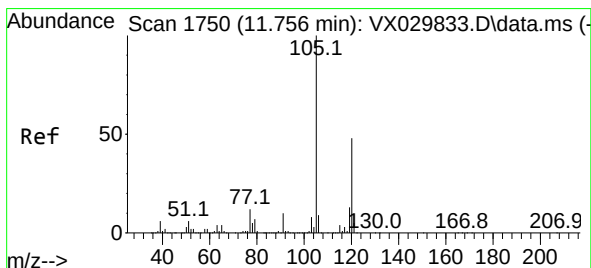
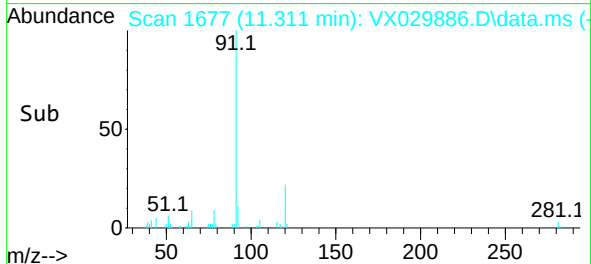
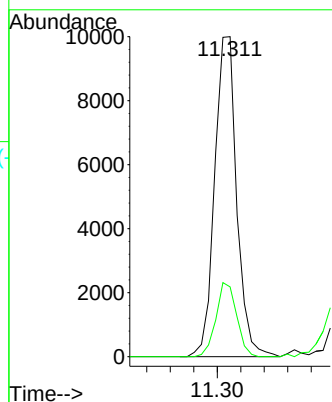
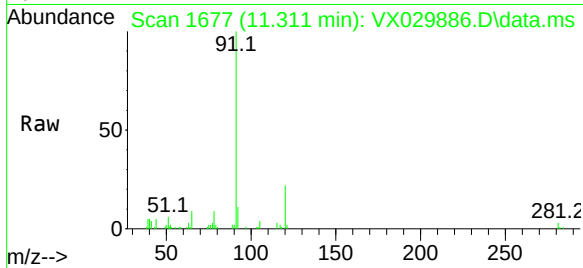




#78
n-propylbenzene
Concen: 1.041 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

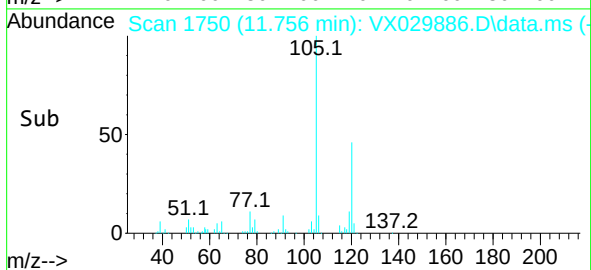
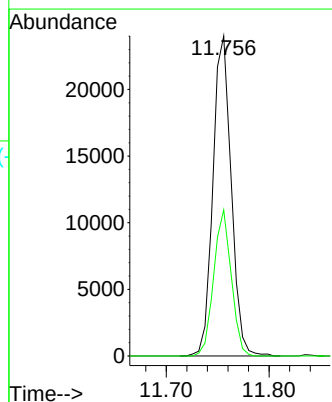
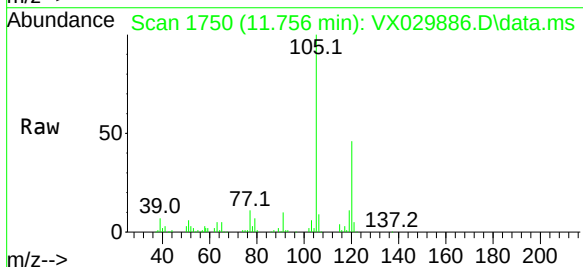
Instrument :
MSVOA_X
ClientSampleId :
MW-19

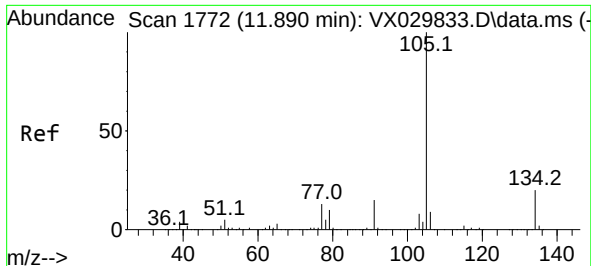
Tgt Ion: 91 Resp: 13055
Ion Ratio Lower Upper
91 100
120 21.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 3.350 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX029886.D
Acq: 30 Jun 2022 02:07

Tgt Ion: 105 Resp: 29639
Ion Ratio Lower Upper
105 100
120 43.7 22.9 68.8

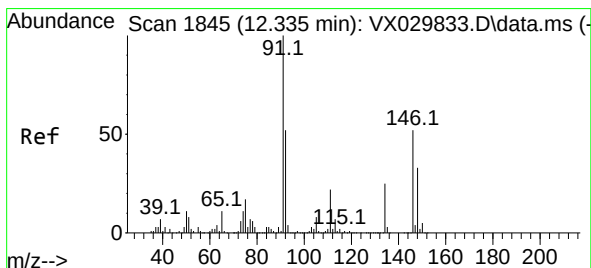
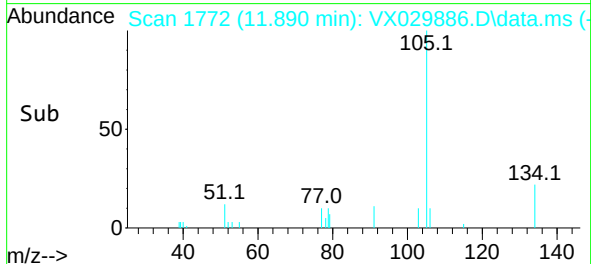
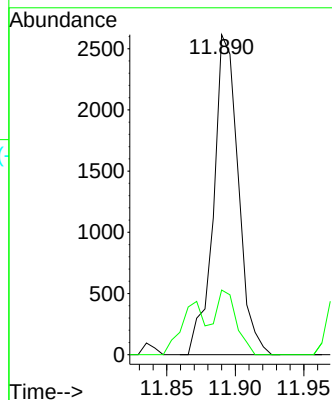
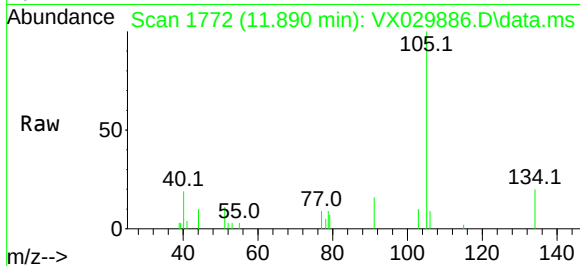




#85
 sec-Butylbenzene
 Concen: 0.297 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029886.D
 Acq: 30 Jun 2022 02:07

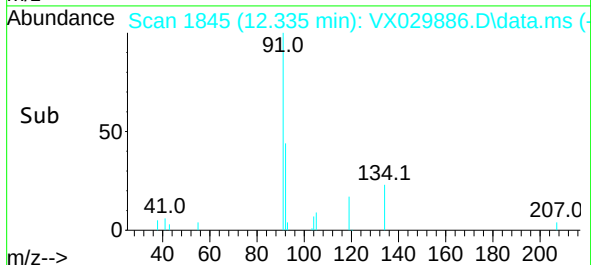
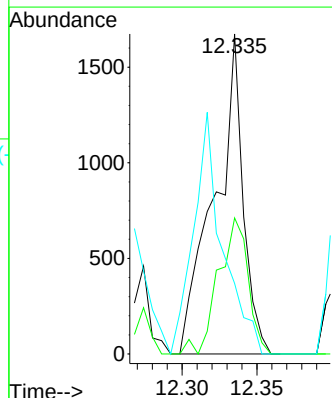
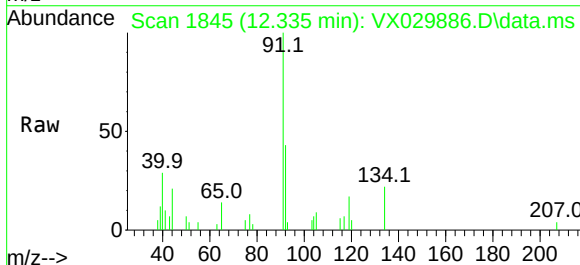
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19

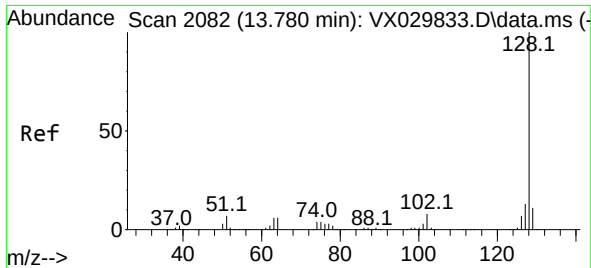
Tgt Ion:105 Resp: 3277
 Ion Ratio Lower Upper
 105 100
 134 17.5 10.0 30.0



#89
 n-Butylbenzene
 Concen: 0.266 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX029886.D
 Acq: 30 Jun 2022 02:07

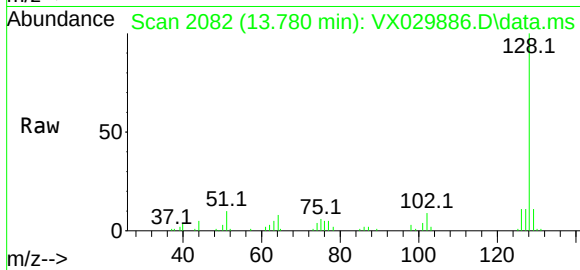
Tgt Ion: 91 Resp: 2205
 Ion Ratio Lower Upper
 91 100
 92 44.3 26.2 78.5
 134 76.9 12.6 37.8#





#95
 Naphthalene
 Concen: 1.257 ug/l
 RT: 13.780 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX029886.D
 Acq: 30 Jun 2022 02:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19



Tgt Ion:	128	Resp:	14922
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.2
129	12.3	8.6	13.0

