

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072922\
 Data File : VX030303.D
 Acq On : 29 Jul 2022 15:22
 Operator : JC/MD
 Sample : N3861-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18R

Quant Time: Aug 01 05:14:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

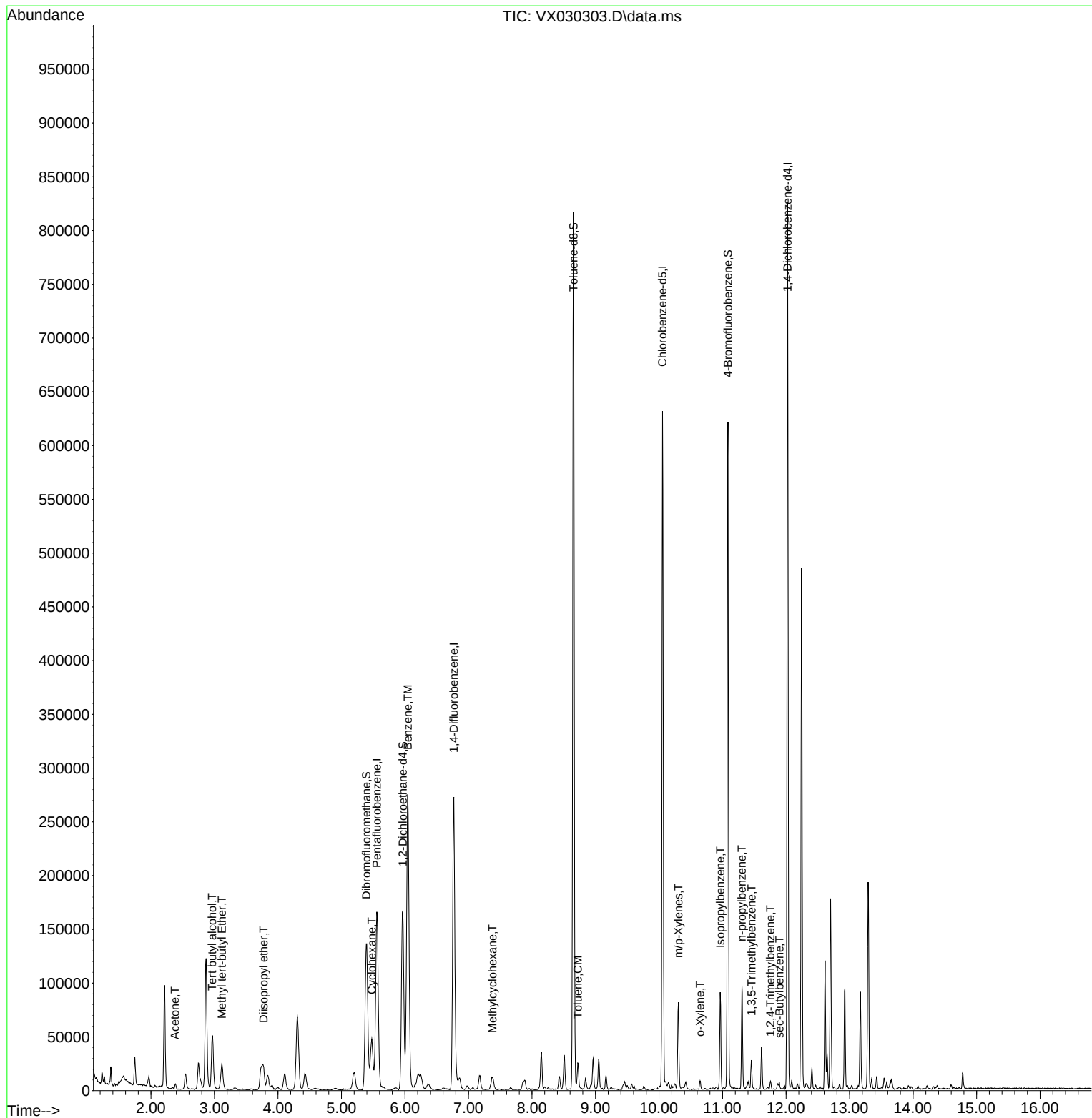
Internal Standards						
1) Pentafluorobenzene	5.556	168	156932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	275485	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	159222	50.479	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.960%	
35) Dibromofluoromethane	5.391	113	125498	47.655	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.300%	
50) Toluene-d8	8.653	98	481561	47.218	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.440%	
62) 4-Bromofluorobenzene	11.085	95	171777	45.384	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	58589	76.148	ug/l	96
16) Acetone	2.380	43	5358	3.318	ug/l	89
19) Methyl tert-butyl Ether	3.117	73	21455	2.555	ug/l #	69
22) Diisopropyl ether	3.776	45	23730	2.479	ug/l #	69
31) Cyclohexane	5.477	56	31350	6.845	ug/l	93
39) Methylcyclohexane	7.379	83	4618	0.944	ug/l #	82
40) Benzene	6.044	78	333710	27.986	ug/l	100
52) Toluene	8.720	92	8748	1.202	ug/l	90
68) m/p-Xylenes	10.305	106	18162	3.543	ug/l	91
69) o-Xylene	10.646	106	1793	0.355	ug/l	95
73) Isopropylbenzene	10.963	105	43839	3.495	ug/l	99
78) n-propylbenzene	11.305	91	60238	4.024	ug/l	96
80) 1,3,5-Trimethylbenzene	11.457	105	11532	1.098	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	3301	0.315	ug/l	100
85) sec-Butylbenzene	11.896	105	3113	0.234	ug/l	95

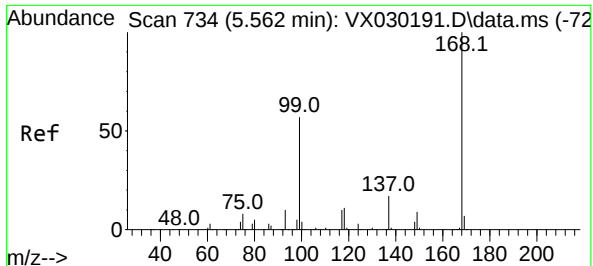
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

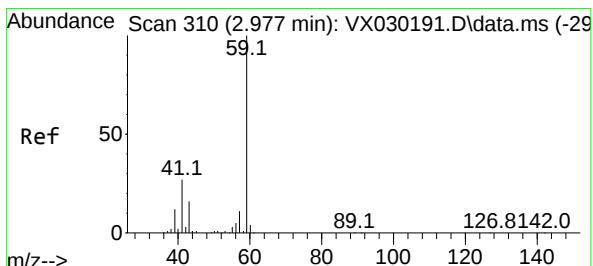
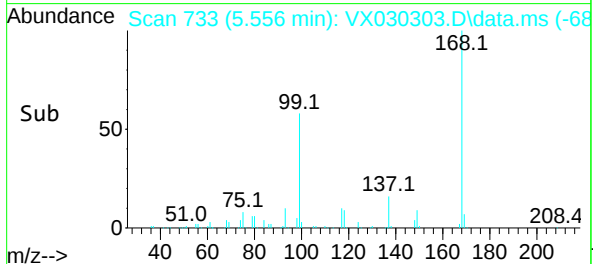
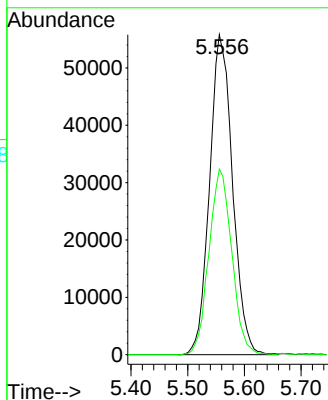
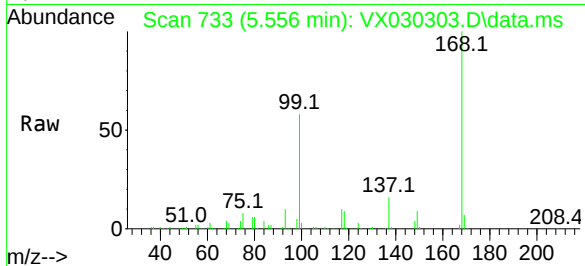




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

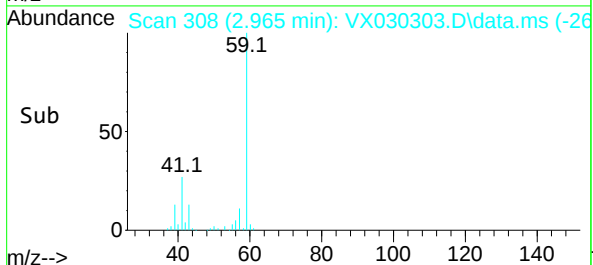
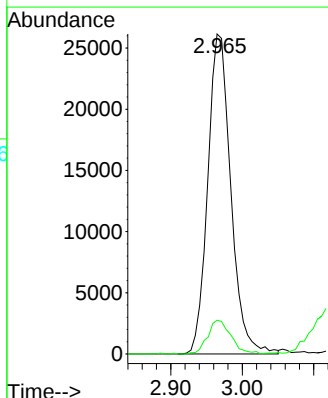
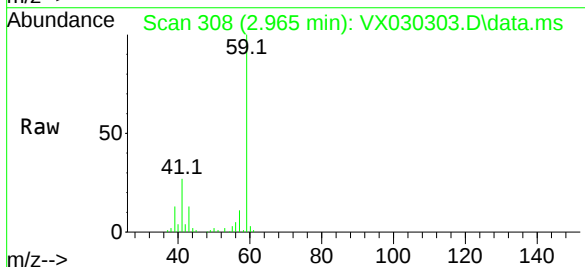
Instrument :
MSVOA_X
ClientSampleId :
MW-18R

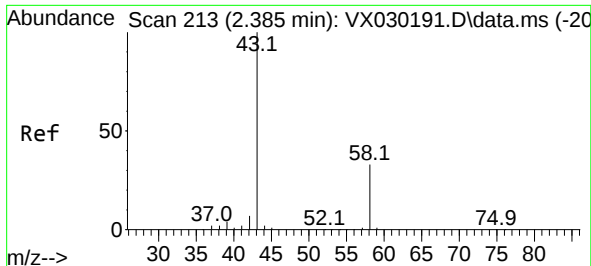
Tgt Ion:168 Resp: 156932
Ion Ratio Lower Upper
168 100
99 58.0 44.0 66.0



#11
Tert butyl alcohol
Concen: 76.148 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

Tgt Ion: 59 Resp: 58589
Ion Ratio Lower Upper
59 100
57 10.7 7.4 11.2

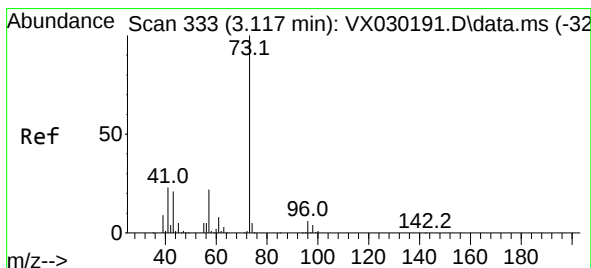
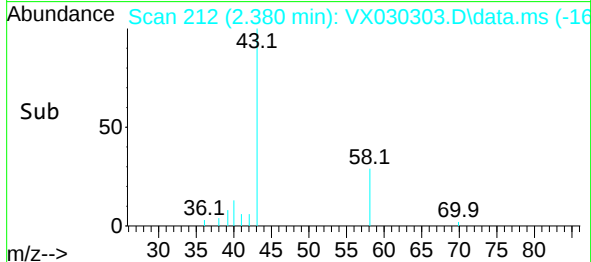
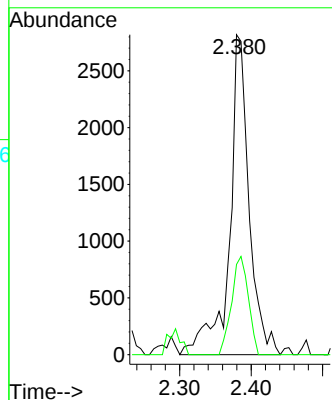
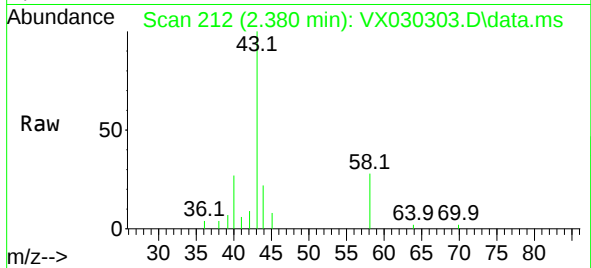




#16
 Acetone
 Concen: 3.318 ug/l
 RT: 2.380 min Scan# 213
 Delta R.T. -0.005 min
 Lab File: VX030303.D
 Acq: 29 Jul 2022 15:22

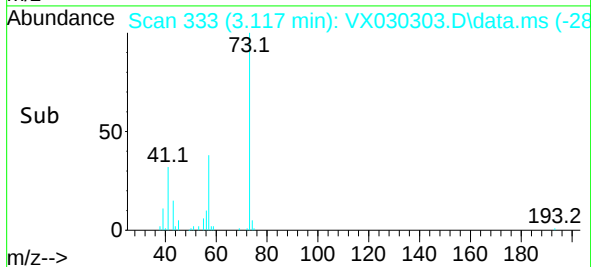
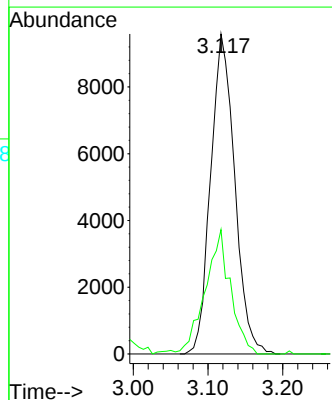
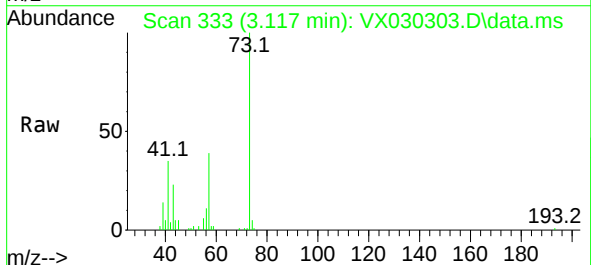
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18R

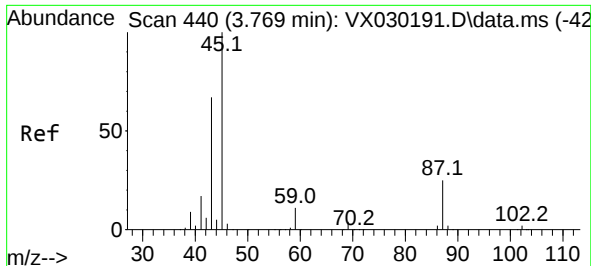
Tgt Ion: 43 Resp: 5358
 Ion Ratio Lower Upper
 43 100
 58 28.2 27.7 41.5



#19
 Methyl tert-butyl Ether
 Concen: 2.555 ug/l
 RT: 3.117 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VX030303.D
 Acq: 29 Jul 2022 15:22

Tgt Ion: 73 Resp: 21455
 Ion Ratio Lower Upper
 73 100
 57 38.9 19.0 28.6#

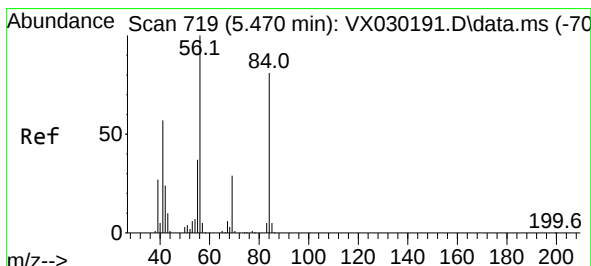
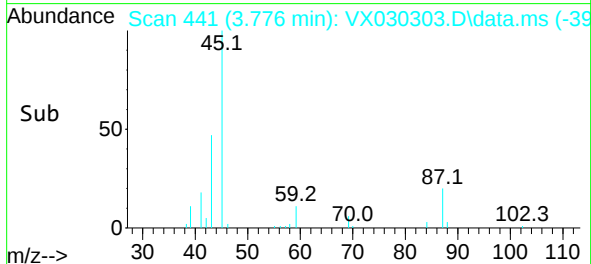
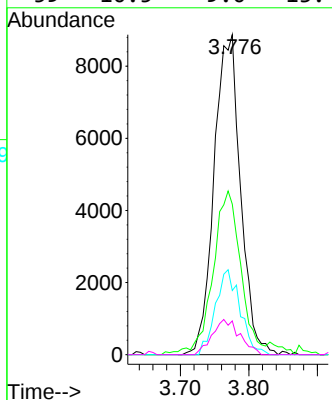
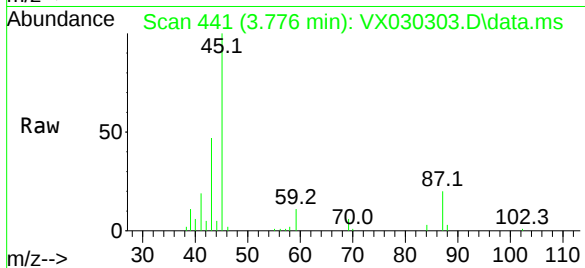




#22
Diisopropyl ether
Concen: 2.479 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

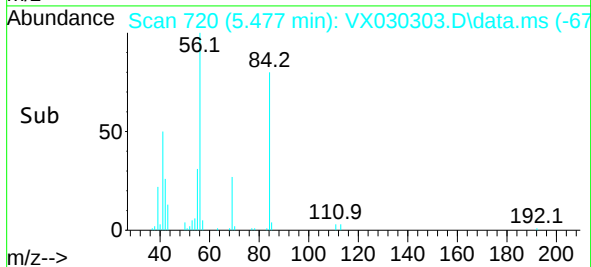
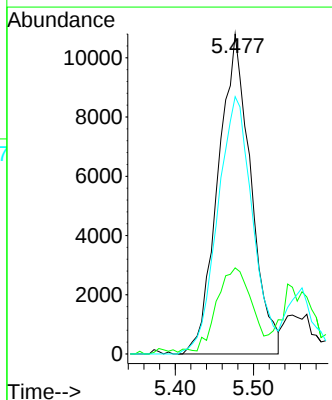
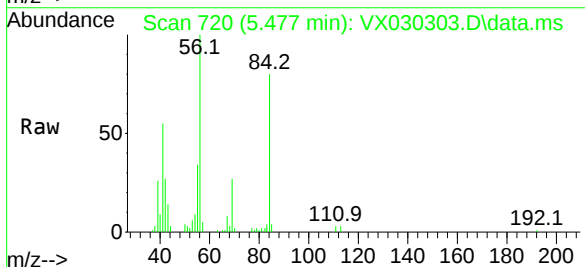
Instrument :
MSVOA_X
ClientSampleId :
MW-18R

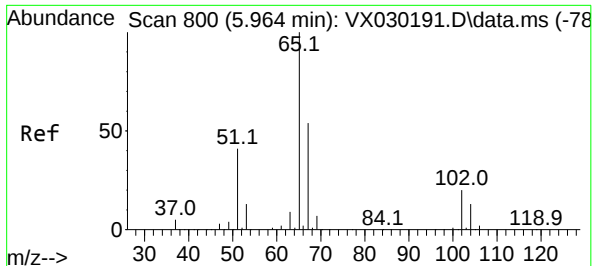
Tgt Ion:	45	Resp:	23730
Ion	Ratio	Lower	Upper
45	100		
43	46.1	65.4	98.0#
87	20.1	22.3	33.5#
59	10.5	9.0	13.4



#31
Cyclohexane
Concen: 6.845 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.007 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

Tgt Ion:	56	Resp:	31350
Ion	Ratio	Lower	Upper
56	100		
69	26.3	25.4	38.0
84	80.4	68.9	103.3





#33

1,2-Dichloroethane-d4

Concen: 50.479 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030303.D

Acq: 29 Jul 2022 15:22

Instrument :

MSVOA_X

ClientSampleId :

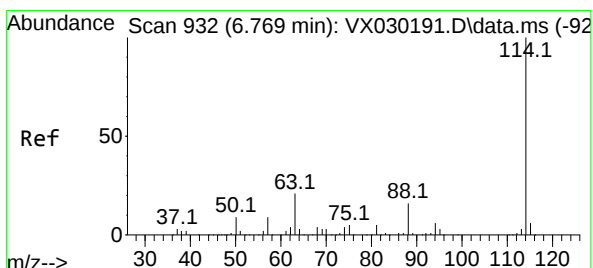
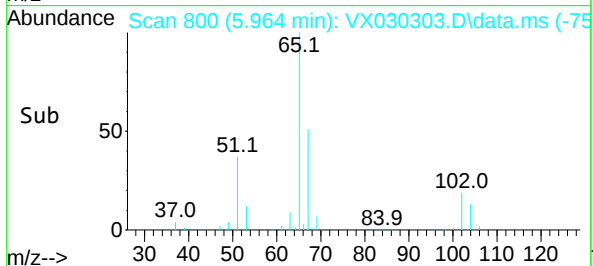
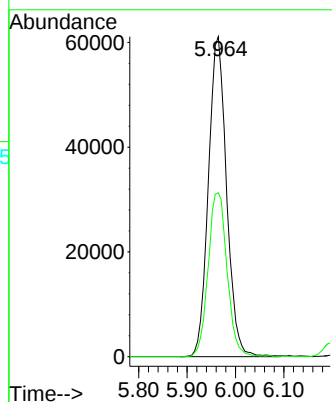
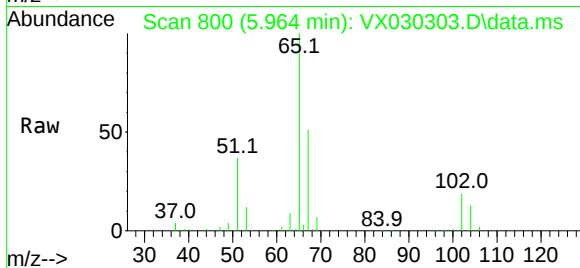
MW-18R

Tgt Ion: 65 Resp: 159222

Ion Ratio Lower Upper

65 100

67 53.5 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: VX030303.D

Acq: 29 Jul 2022 15:22

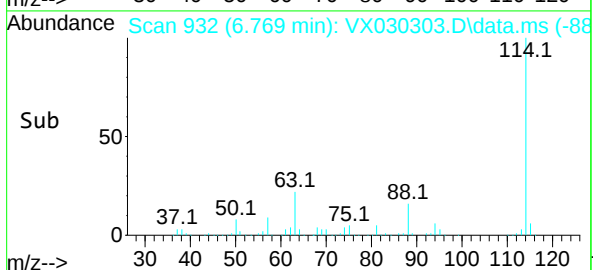
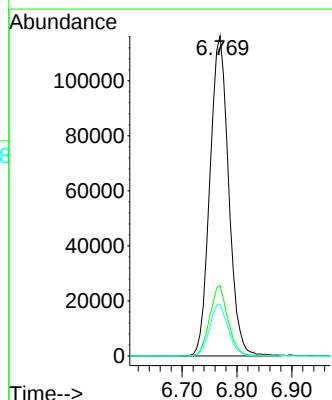
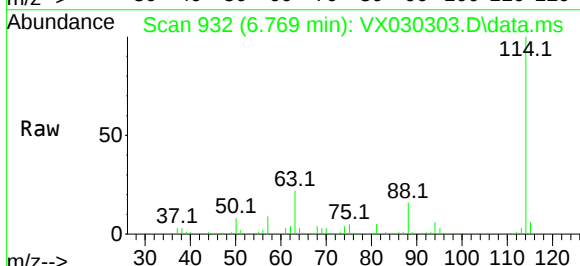
Tgt Ion: 114 Resp: 275485

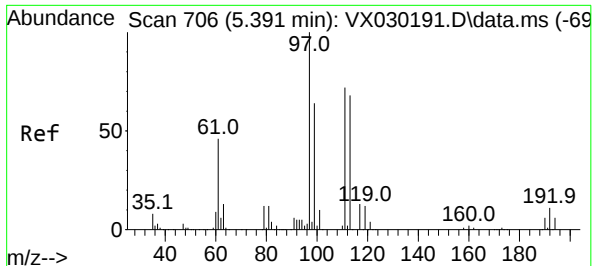
Ion Ratio Lower Upper

114 100

63 22.1 0.0 38.4

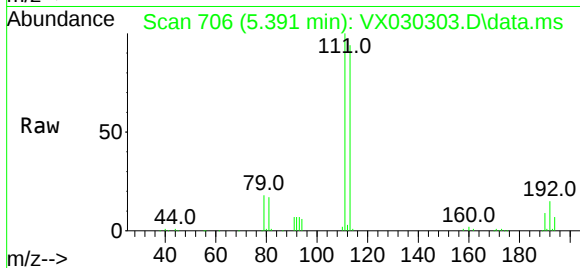
88 16.3 0.0 31.8



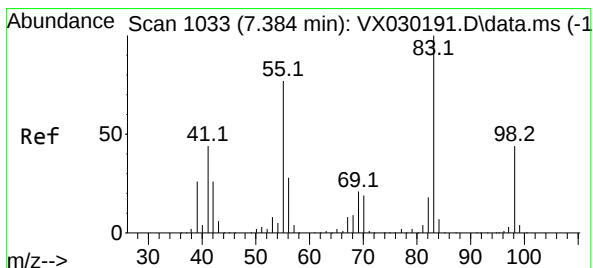
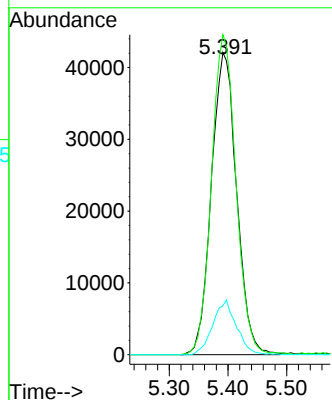
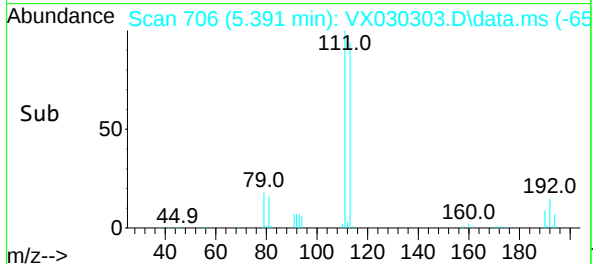


#35
Dibromofluoromethane
Concen: 47.655 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW-18R

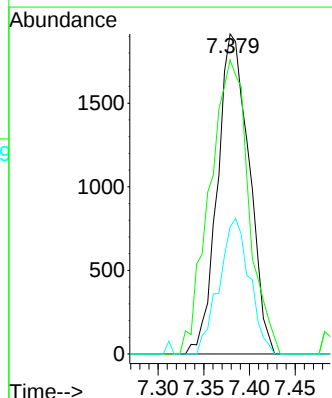
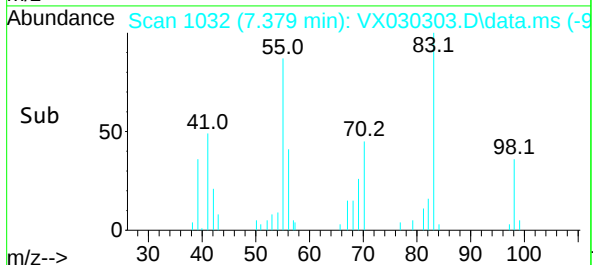
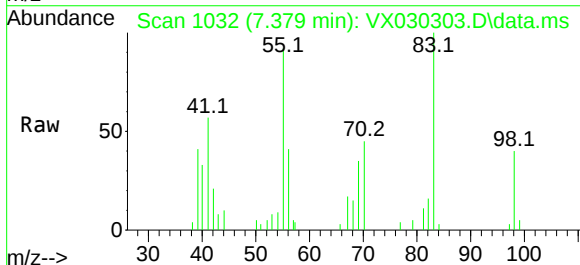


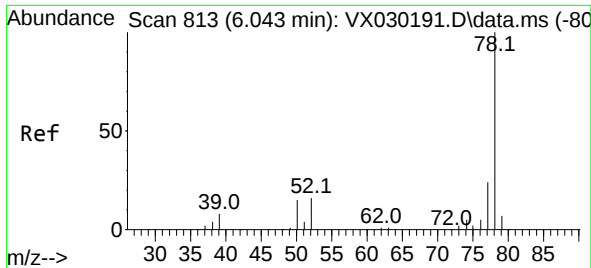
Tgt Ion:113 Resp: 125498
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 17.0 14.8 22.2



#39
Methylcyclohexane
Concen: 0.944 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.005 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

Tgt Ion: 83 Resp: 4618
Ion Ratio Lower Upper
83 100
55 91.8 57.7 86.5#
98 39.7 36.5 54.7

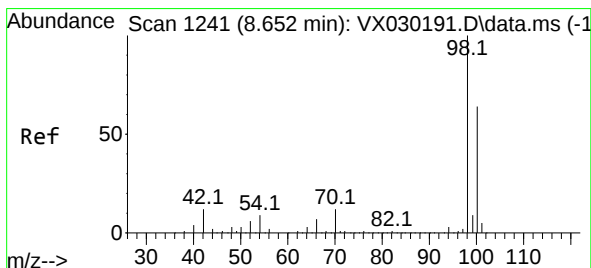
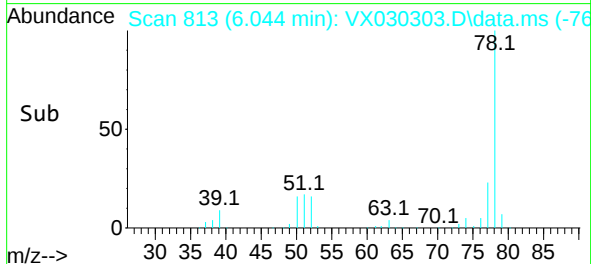
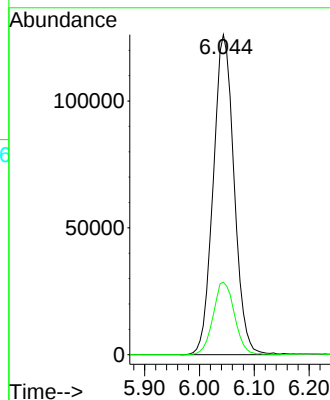
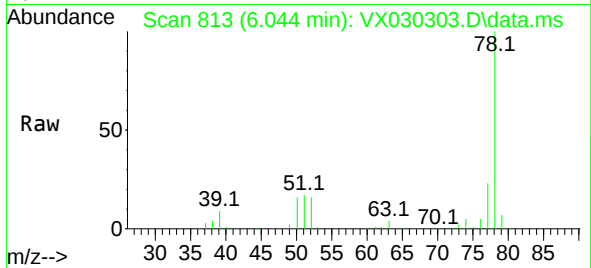




#40
Benzene
Concen: 27.986 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.001 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

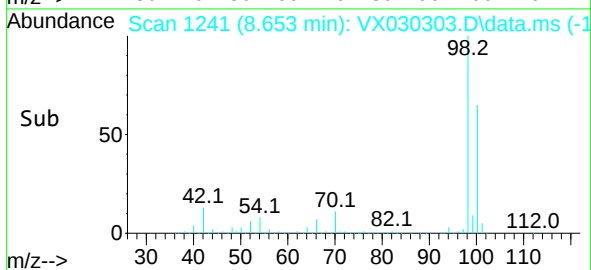
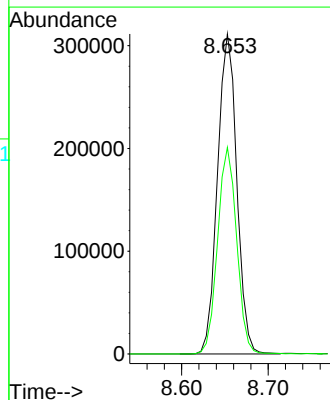
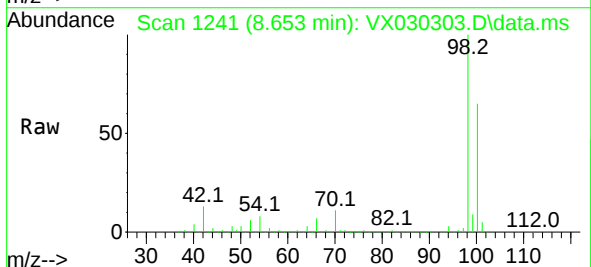
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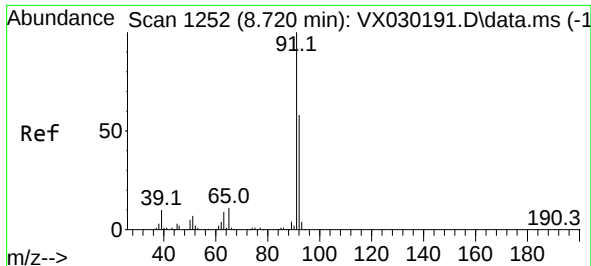
Tgt Ion: 78 Resp: 333710
Ion Ratio Lower Upper
78 100
77 22.7 18.0 27.0



#50
Toluene-d8
Concen: 47.218 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

Tgt Ion: 98 Resp: 481561
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5

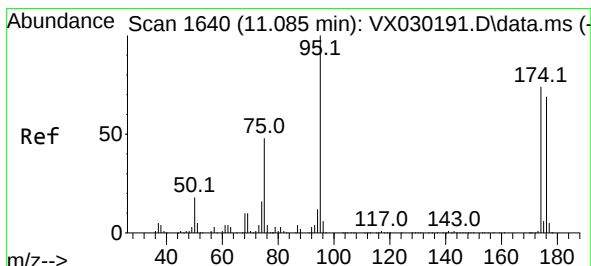
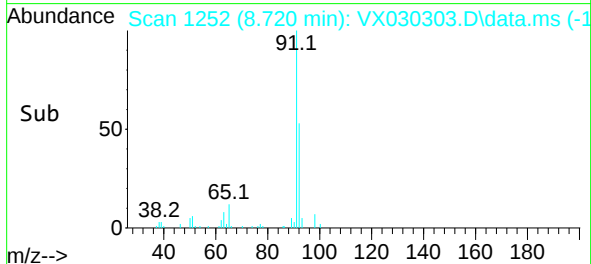
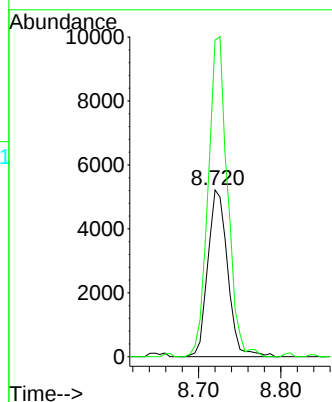
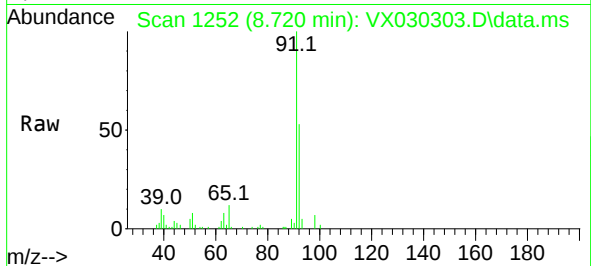




#52
Toluene
Concen: 1.202 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

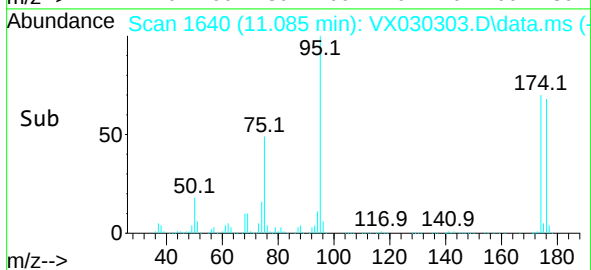
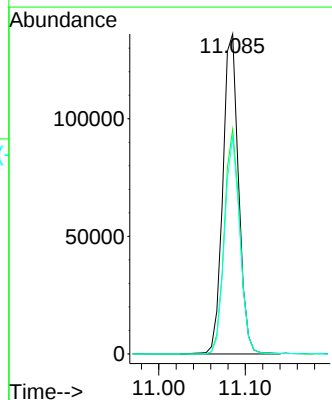
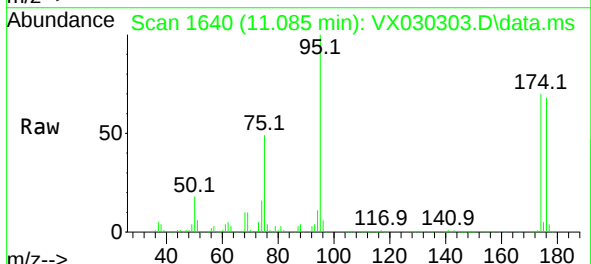
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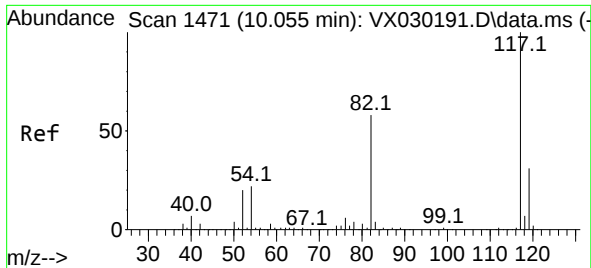
Tgt Ion: 92 Resp: 8748
Ion Ratio Lower Upper
92 100
91 187.4 139.2 208.8



#62
4-Bromofluorobenzene
Concen: 45.384 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

Tgt Ion: 95 Resp: 171777
Ion Ratio Lower Upper
95 100
174 69.5 0.0 149.0
176 66.3 0.0 146.0

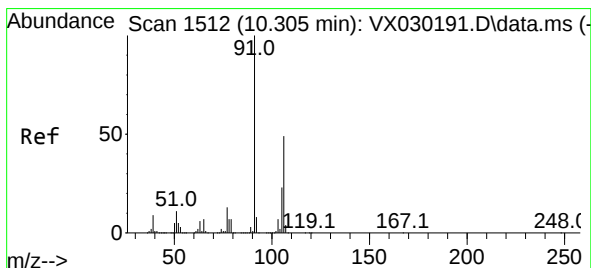
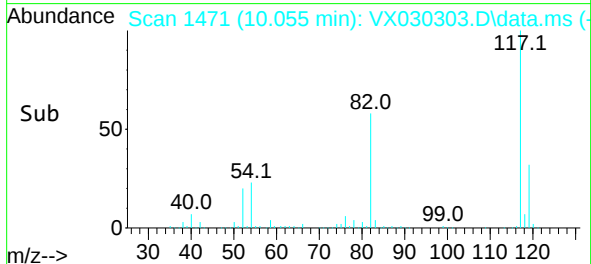
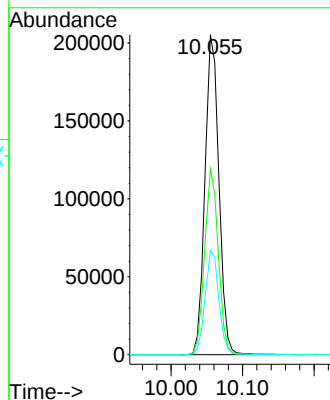
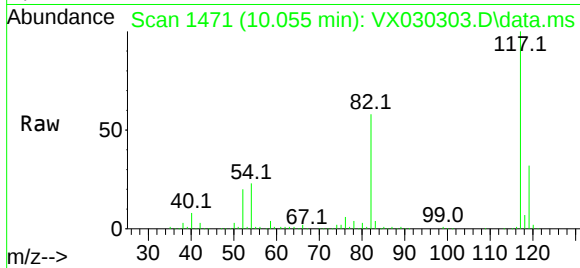




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

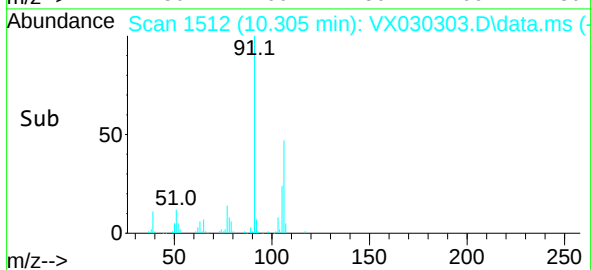
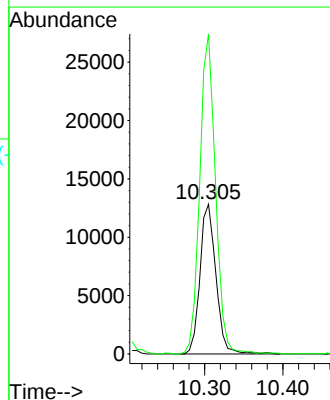
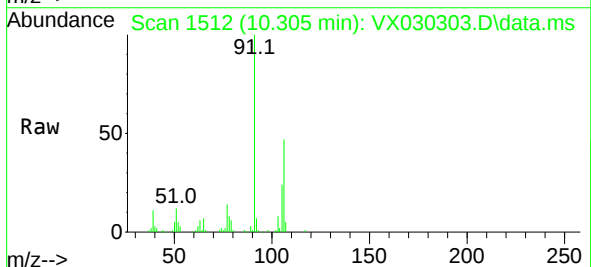
Instrument :
MSVOA_X
ClientSampleId :
MW-18R

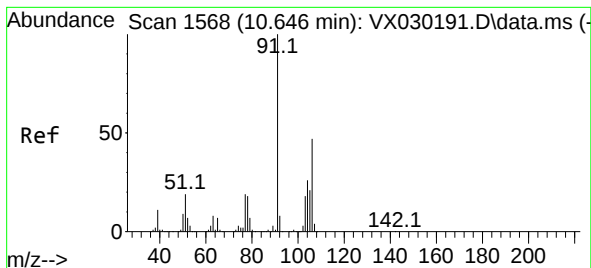
Tgt Ion:117 Resp: 278554
Ion Ratio Lower Upper
117 100
82 57.9 42.7 64.1
119 32.4 25.4 38.2



#68
m/p-Xylenes
Concen: 3.543 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

Tgt Ion:106 Resp: 18162
Ion Ratio Lower Upper
106 100
91 211.2 158.2 237.4





#69

o-Xylene

Concen: 0.355 ug/l

RT: 10.646 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030303.D

Acq: 29 Jul 2022 15:22

Instrument :

MSVOA_X

ClientSampleId :

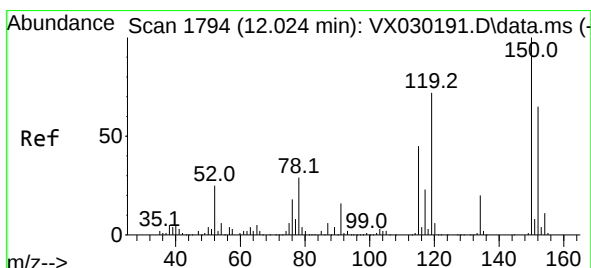
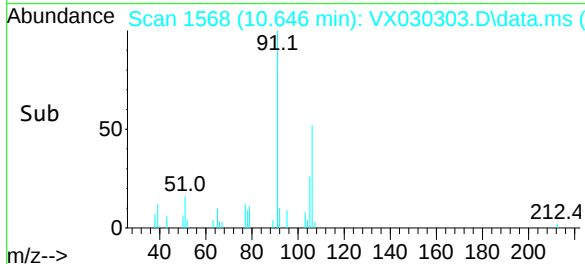
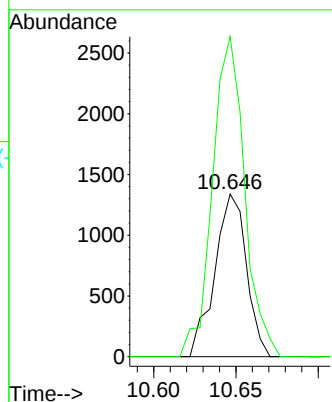
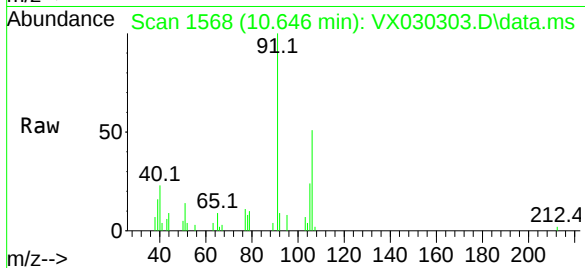
MW-18R

Tgt Ion:106 Resp: 1793

Ion Ratio Lower Upper

106 100

91 199.8 103.8 311.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX030303.D

Acq: 29 Jul 2022 15:22

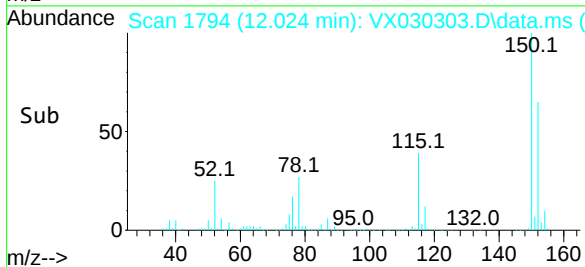
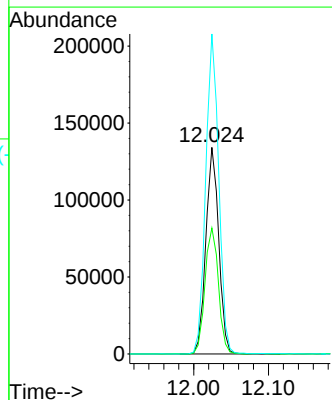
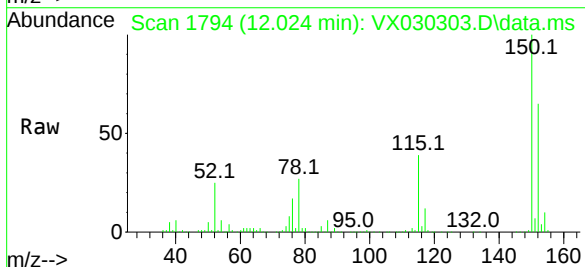
Tgt Ion:152 Resp: 160665

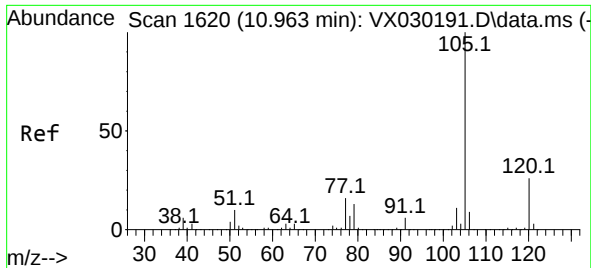
Ion Ratio Lower Upper

152 100

115 63.4 40.5 121.5

150 156.2 0.0 347.0

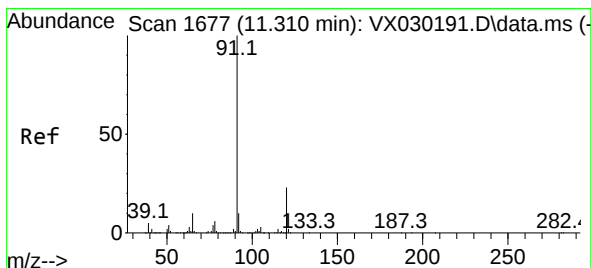
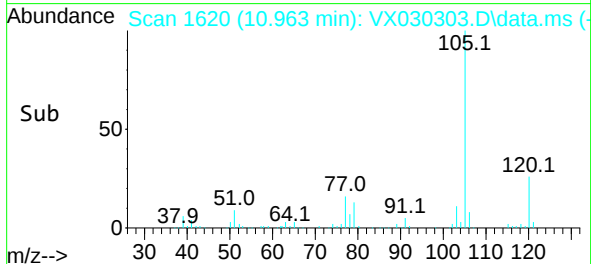
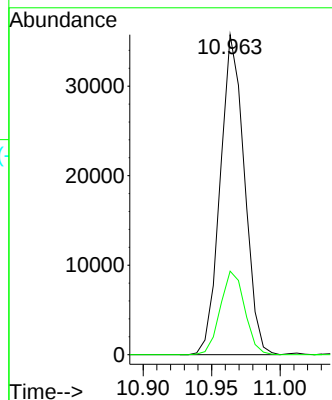
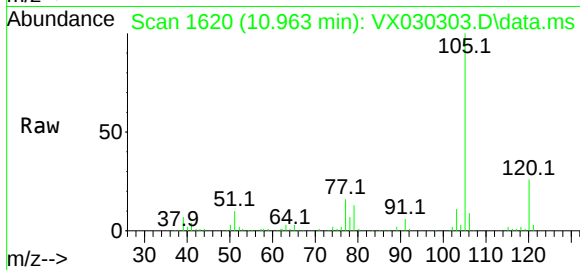




#73
Isopropylbenzene
Concen: 3.495 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

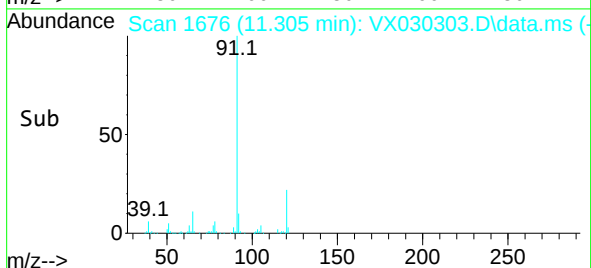
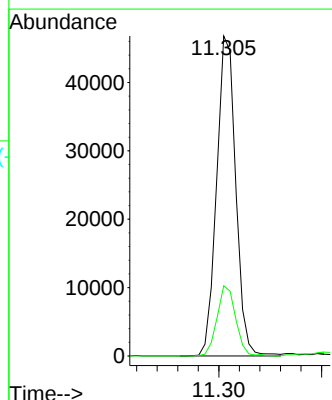
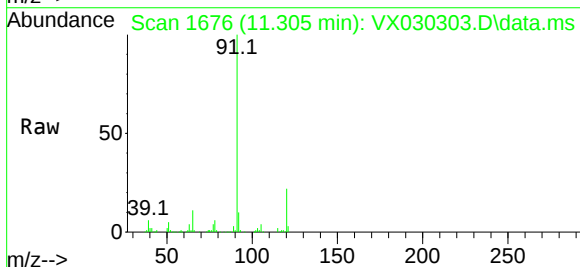
Instrument :
MSVOA_X
ClientSampleId :
MW-18R

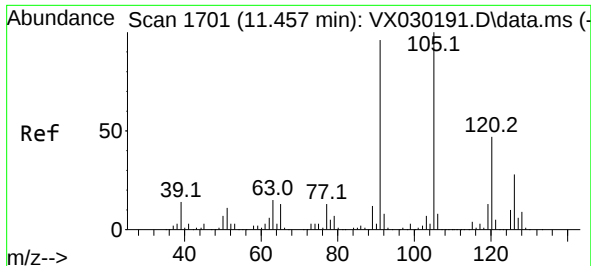
Tgt Ion:105 Resp: 43839
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.4



#78
n-propylbenzene
Concen: 4.024 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.005 min
Lab File: VX030303.D
Acq: 29 Jul 2022 15:22

Tgt Ion: 91 Resp: 60238
Ion Ratio Lower Upper
91 100
120 21.4 11.6 34.8

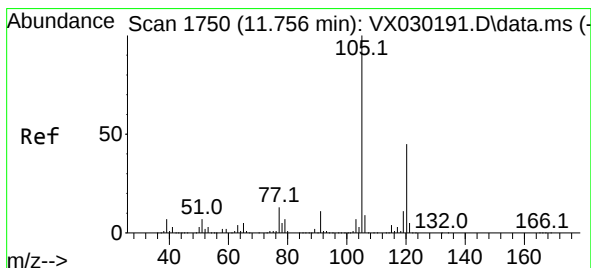
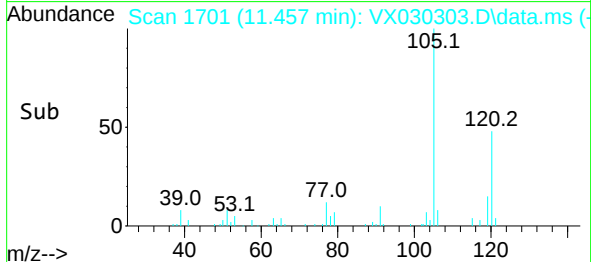
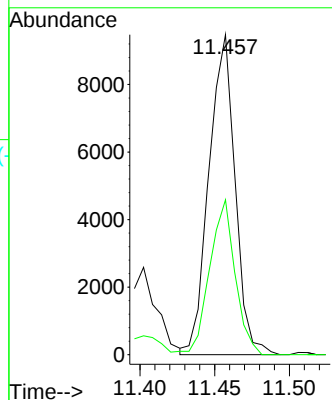
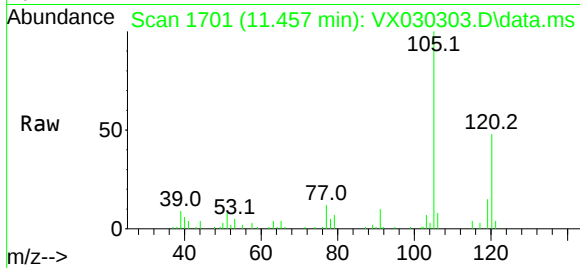




#80
 1,3,5-Trimethylbenzene
 Concen: 1.098 ug/l
 RT: 11.457 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VX030303.D
 Acq: 29 Jul 2022 15:22

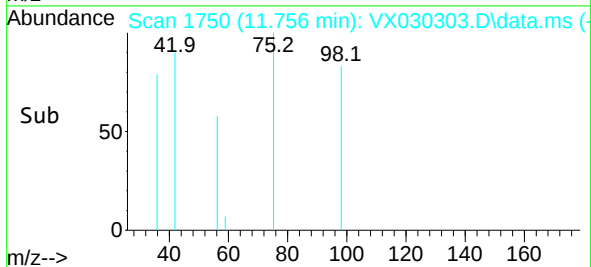
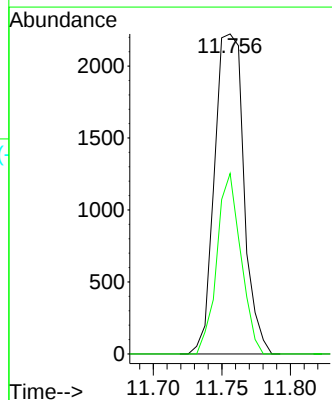
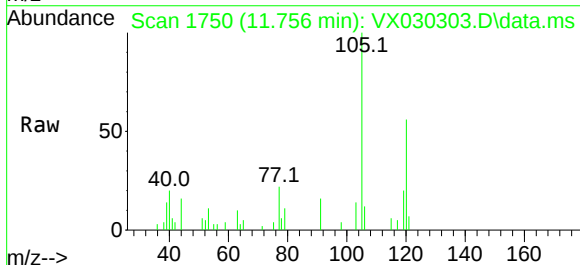
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18R

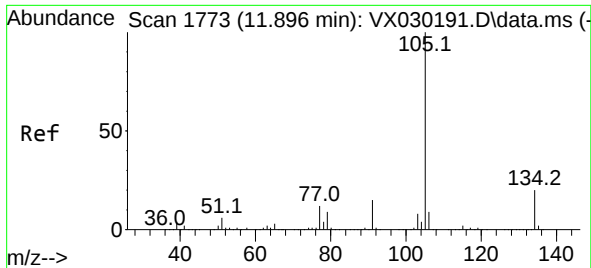
Tgt Ion:105 Resp: 11532
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.4 73.2



#84
 1,2,4-Trimethylbenzene
 Concen: 0.315 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.000 min
 Lab File: VX030303.D
 Acq: 29 Jul 2022 15:22

Tgt Ion:105 Resp: 3301
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





#85
 sec-Butylbenzene
 Concen: 0.234 ug/l
 RT: 11.896 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030303.D
 Acq: 29 Jul 2022 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18R

Tgt Ion:105 Resp: 3113
 Ion Ratio Lower Upper
 105 100
 134 17.7 10.0 30.0

