

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025478.D
 Acq On : 03 Dec 2021 13:35
 Operator : JC/MD
 Sample : M4917-09DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25DL

Quant Time: Dec 04 06:48:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

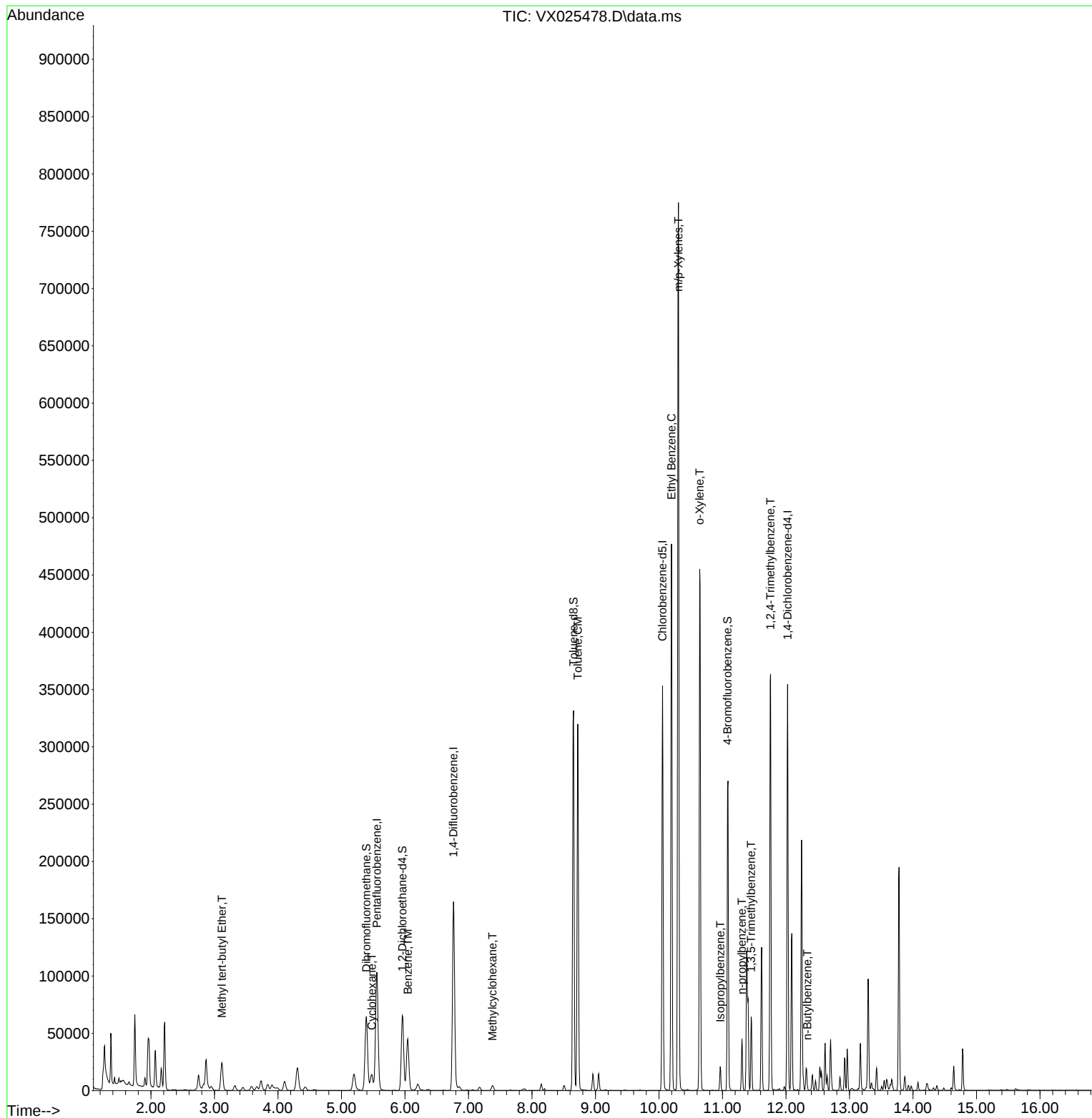
Internal Standards						
1) Pentafluorobenzene	5.556	168	104373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	177176	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61820	56.192	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.380%			
35) Dibromofluoromethane	5.391	113	55231	50.806	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.620%			
50) Toluene-d8	8.653	98	206039	50.409	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.820%			
62) 4-Bromofluorobenzene	11.079	95	73421	47.482	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.960%			
Target Compounds						Qvalue
19) Methyl tert-butyl Ether	3.117	73	24663	7.317	ug/l	97
31) Cyclohexane	5.477	56	9599	5.646	ug/l	99
39) Methylcyclohexane	7.379	83	1783	0.899	ug/l	88
40) Benzene	6.044	78	55202	11.789	ug/l	97
52) Toluene	8.720	92	118890	38.889	ug/l	99
67) Ethyl Benzene	10.195	91	271633	47.669	ug/l	97
68) m/p-Xylenes	10.305	106	192060	82.518	ug/l	95
69) o-Xylene	10.640	106	105867	46.473	ug/l	91
73) Isopropylbenzene	10.964	105	10818	1.974	ug/l	95
78) n-propylbenzene	11.305	91	26939	4.379	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	29034	6.303	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	166121	36.488	ug/l	94
89) n-Butylbenzene	12.335	91	2647	0.642	ug/l #	14

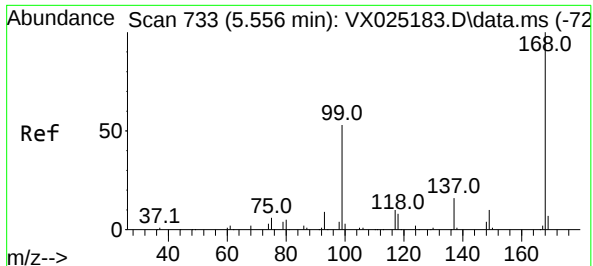
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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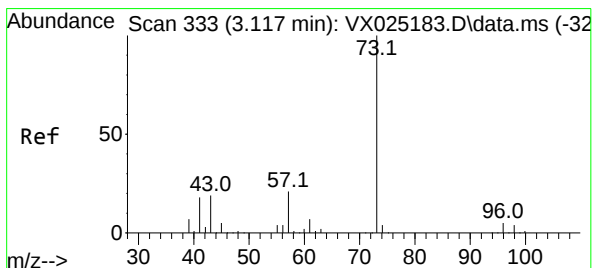
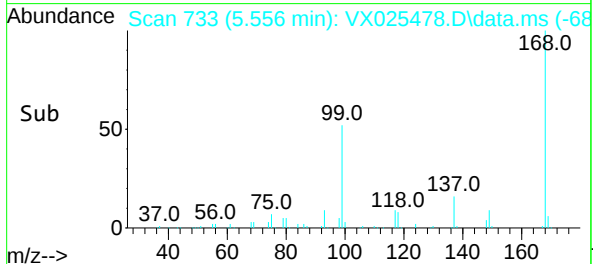
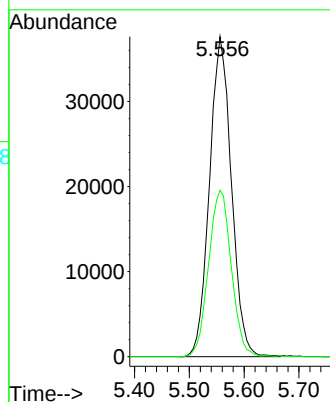
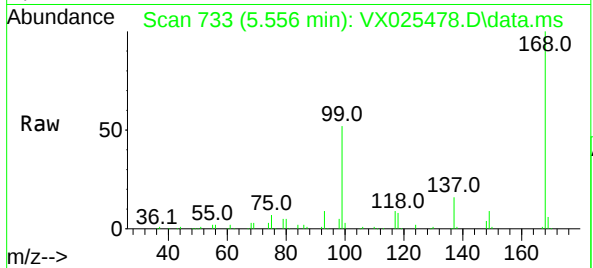




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

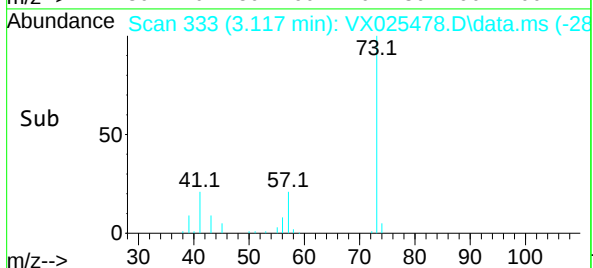
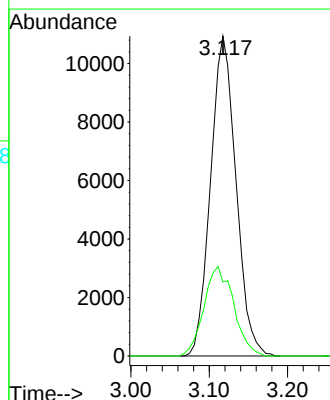
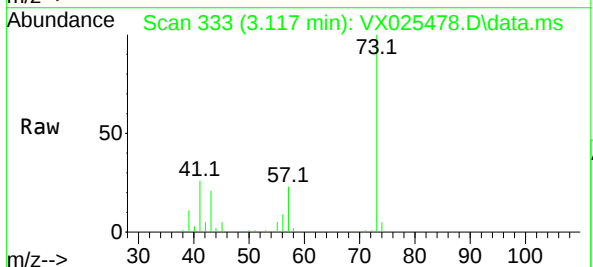
Instrument :
MSVOA_X
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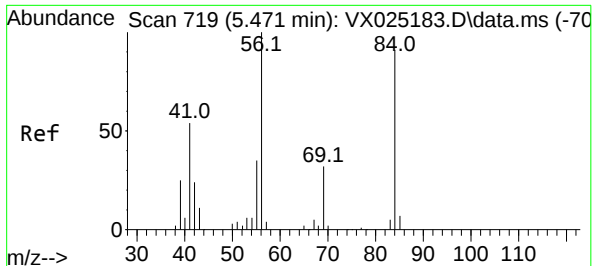
Tgt Ion:168 Resp: 104373
Ion Ratio Lower Upper
168 100
99 52.0 46.4 69.6



#19
Methyl tert-butyl Ether
Concen: 7.317 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

Tgt Ion: 73 Resp: 24663
Ion Ratio Lower Upper
73 100
57 23.1 17.5 26.3

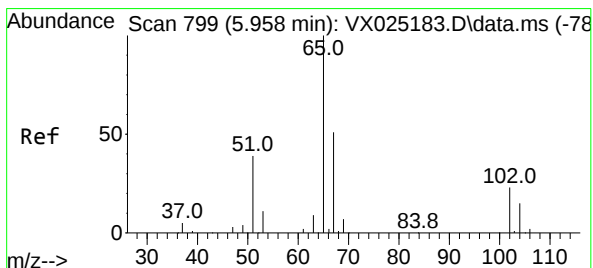
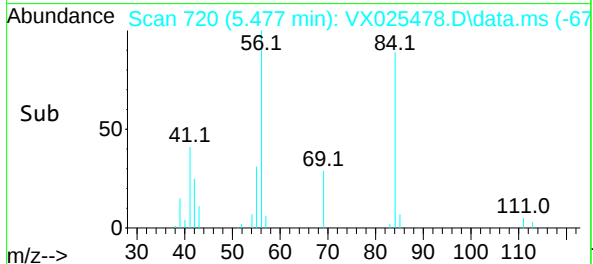
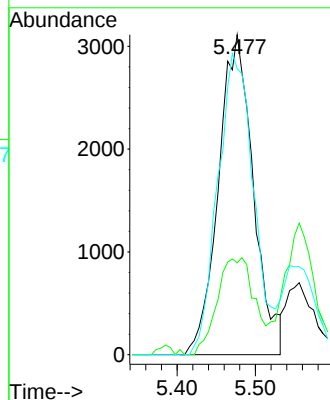
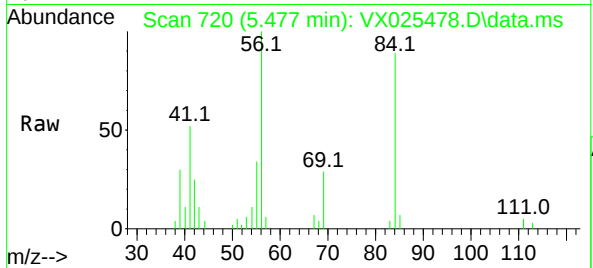




#31
Cyclohexane
Concen: 5.646 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

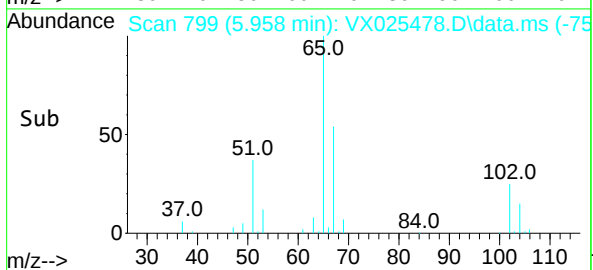
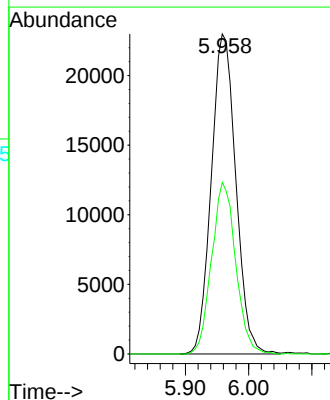
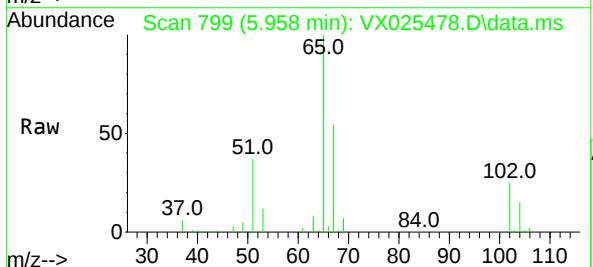
Instrument :
MSVOA_X
ClientSampleId :
MW-25DL

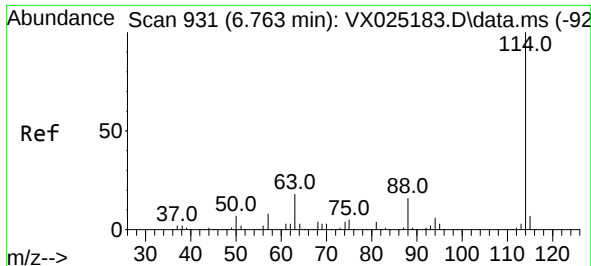
Tgt Ion:	56	Resp:	9599
Ion	Ratio	Lower	Upper
56	100		
69	27.1	24.2	36.2
84	89.4	71.5	107.3



#33
1,2-Dichloroethane-d4
Concen: 56.192 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

Tgt Ion:	65	Resp:	61820
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	101.0

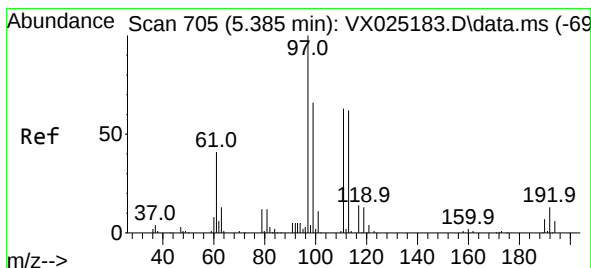
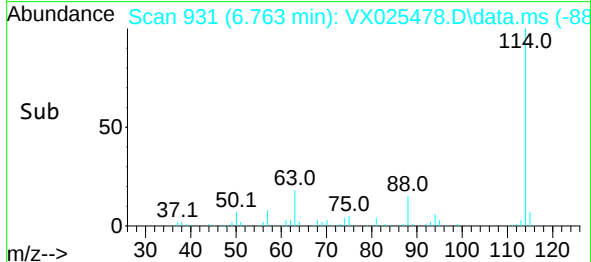
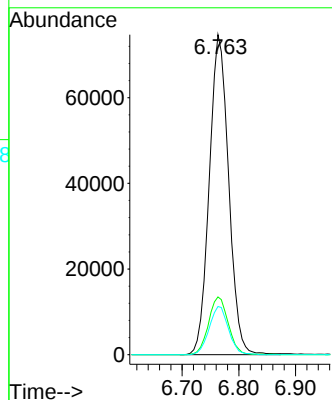
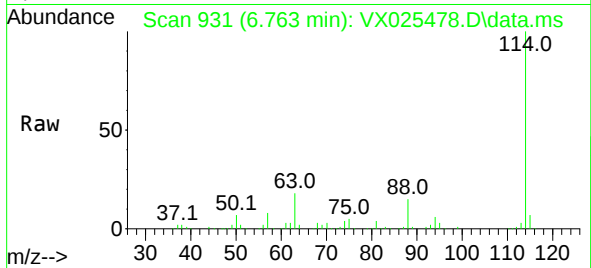




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

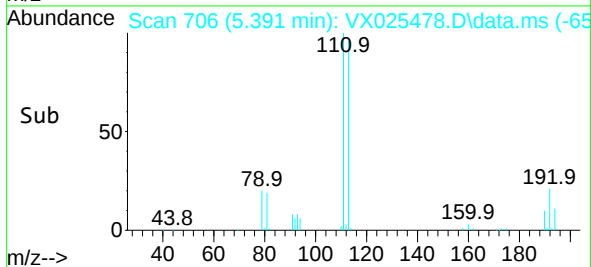
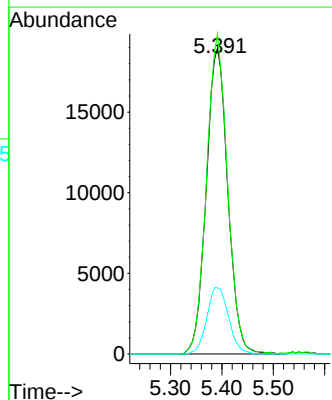
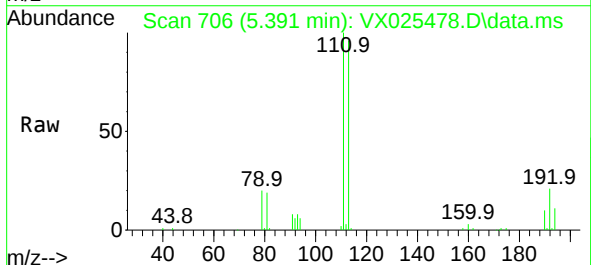
Instrument :
MSVOA_X
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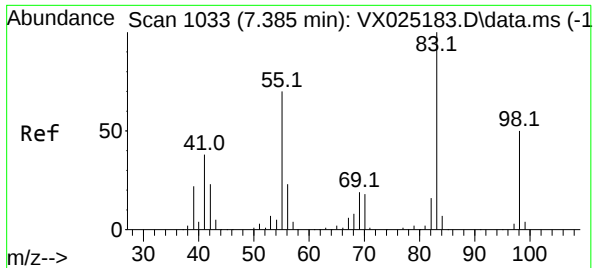
Tgt Ion:114 Resp: 177176
Ion Ratio Lower Upper
114 100
63 18.1 0.0 41.0
88 15.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.806 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

Tgt Ion:113 Resp: 55231
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 21.9 15.6 23.4

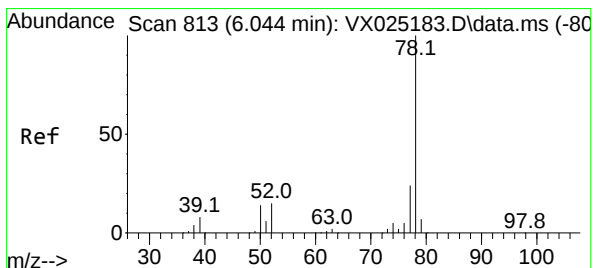
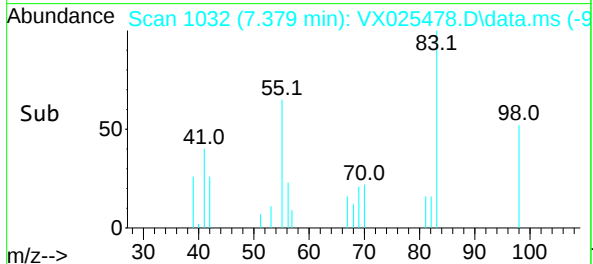
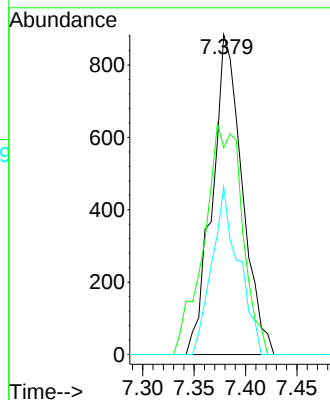
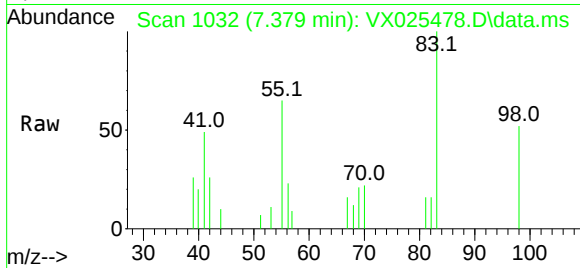




#39
Methylcyclohexane
Concen: 0.899 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

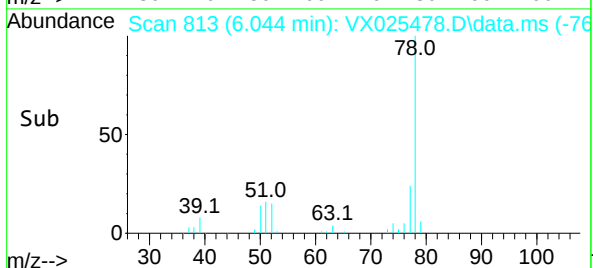
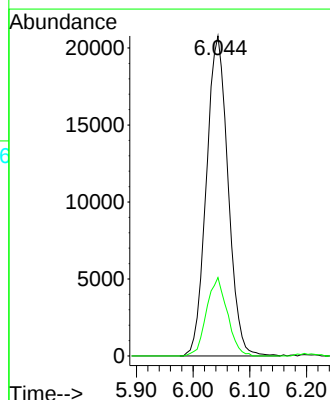
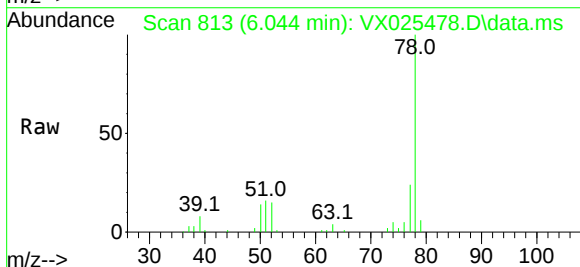
Instrument :
MSVOA_X
ClientSampleId :
MW-25DL

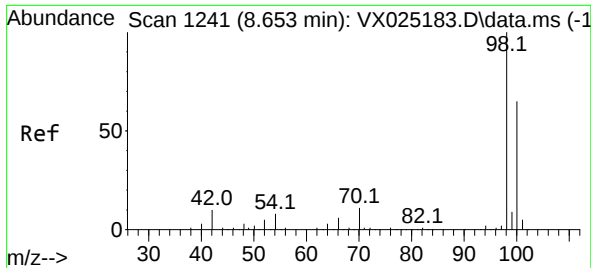
Tgt Ion: 83 Resp: 1783
Ion Ratio Lower Upper
83 100
55 64.7 60.8 91.2
98 52.4 37.0 55.4



#40
Benzene
Concen: 11.789 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

Tgt Ion: 78 Resp: 55202
Ion Ratio Lower Upper
78 100
77 24.5 18.3 27.5

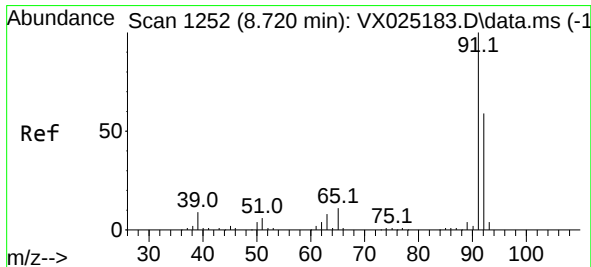
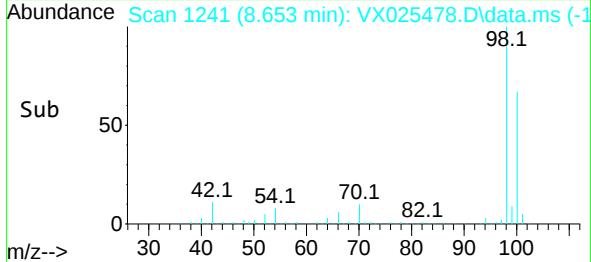
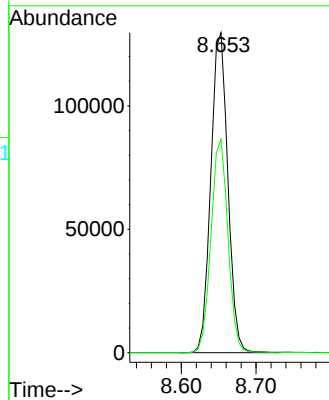
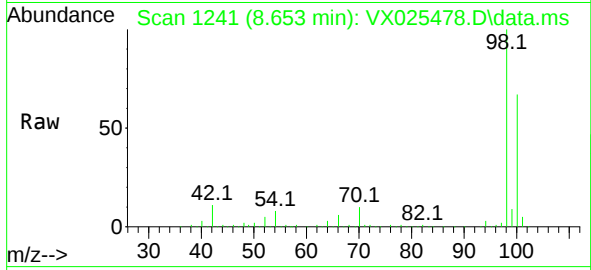




#50
Toluene-d8
Concen: 50.409 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

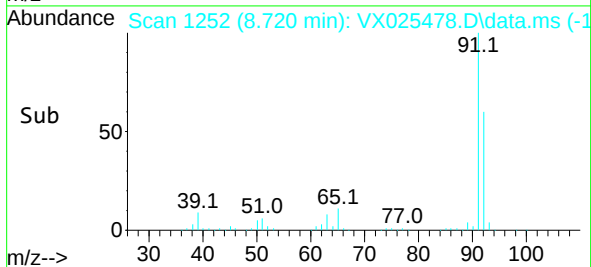
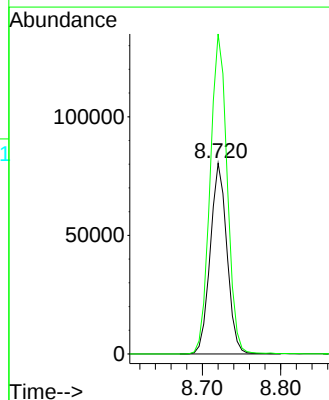
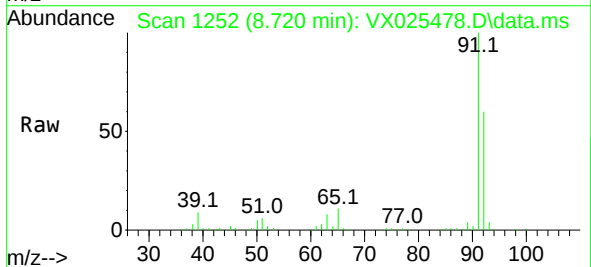
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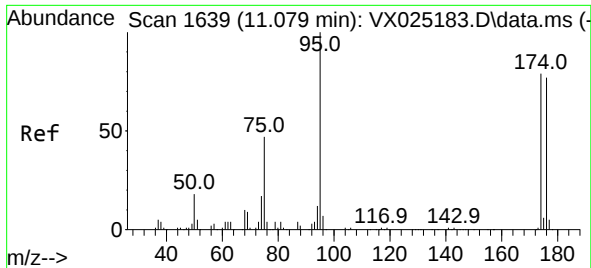
Tgt Ion: 98 Resp: 206039
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.0



#52
Toluene
Concen: 38.889 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

Tgt Ion: 92 Resp: 118890
Ion Ratio Lower Upper
92 100
91 172.1 138.6 208.0

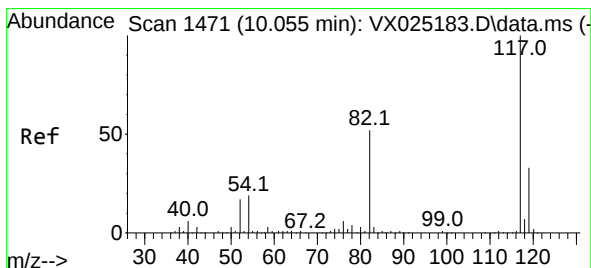
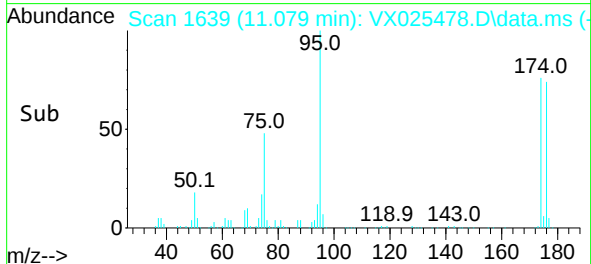
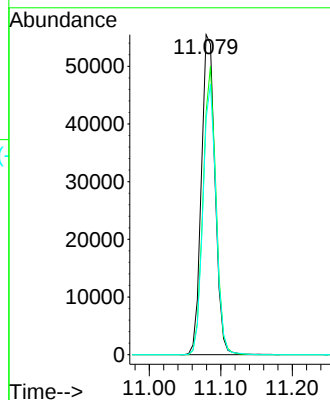
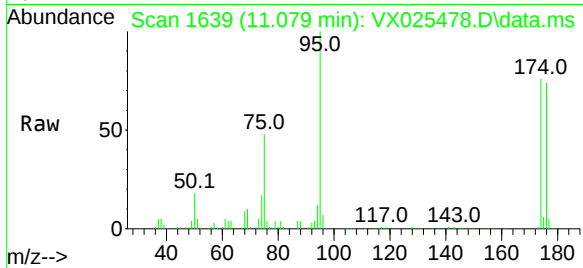




#62
4-Bromofluorobenzene
Concen: 47.482 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

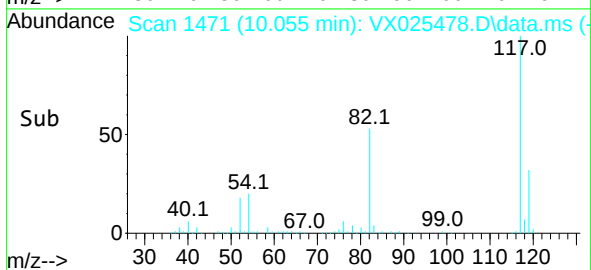
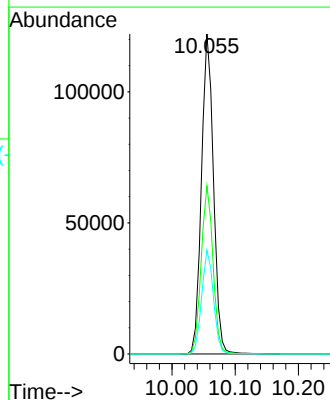
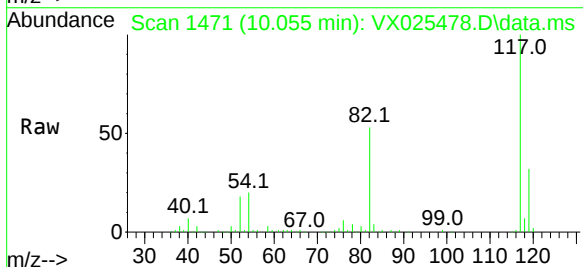
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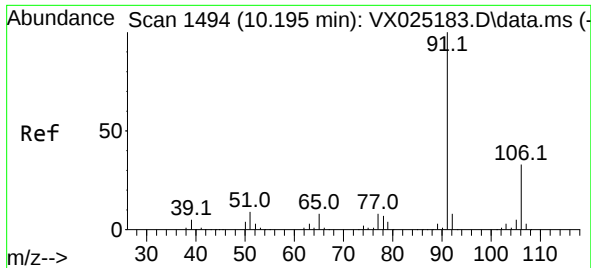
Tgt Ion: 95 Resp: 73421
Ion Ratio Lower Upper
95 100
174 85.5 0.0 158.0
176 81.8 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

Tgt Ion: 117 Resp: 161811
Ion Ratio Lower Upper
117 100
82 52.6 44.6 67.0
119 32.4 24.8 37.2

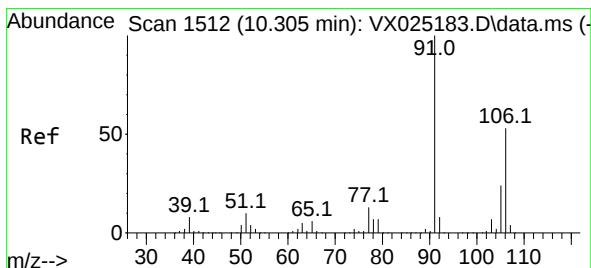
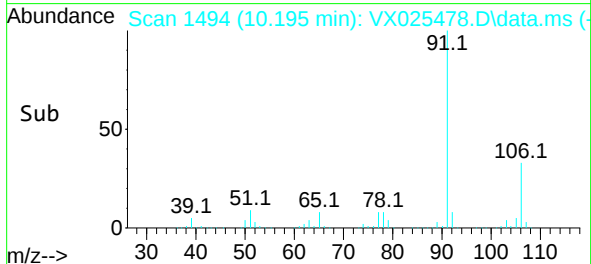
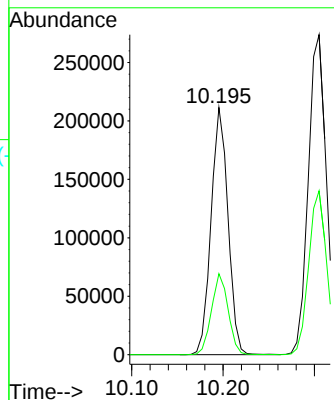
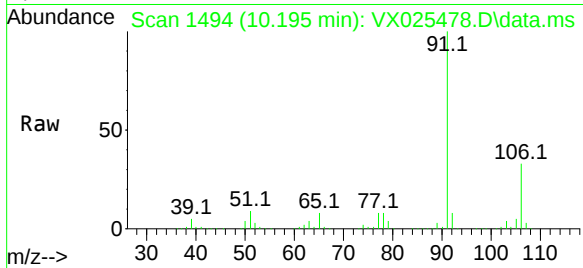




#67
Ethyl Benzene
Concen: 47.669 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

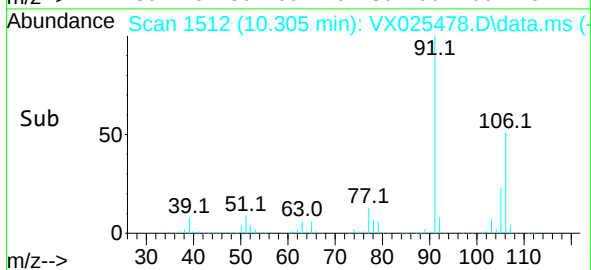
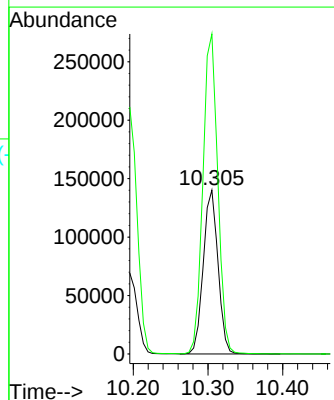
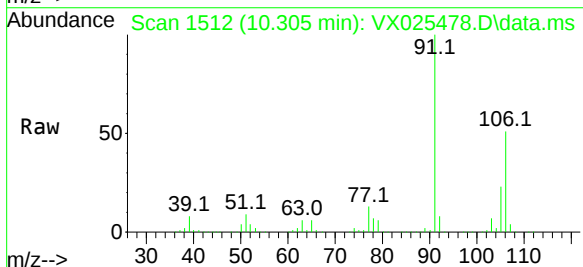
Instrument :
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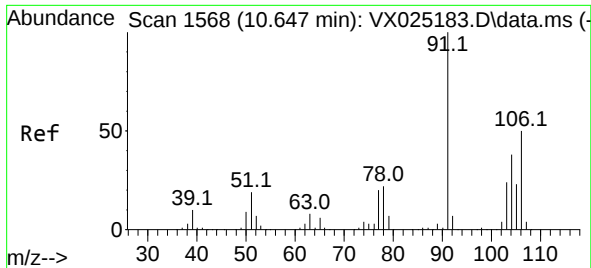
Tgt Ion: 91 Resp: 271633
Ion Ratio Lower Upper
91 100
106 32.8 24.7 37.1



#68
m/p-Xylenes
Concen: 82.518 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

Tgt Ion:106 Resp: 192060
Ion Ratio Lower Upper
106 100
91 196.7 163.4 245.0

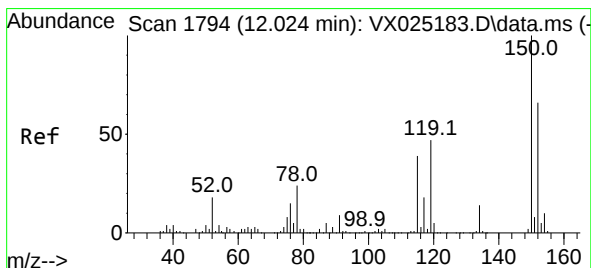
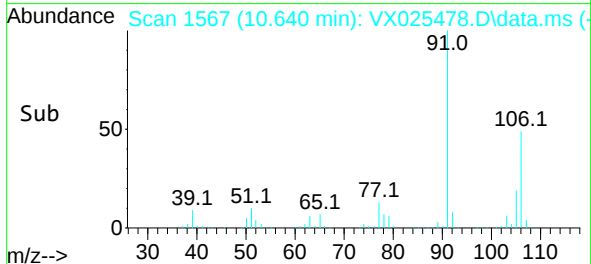
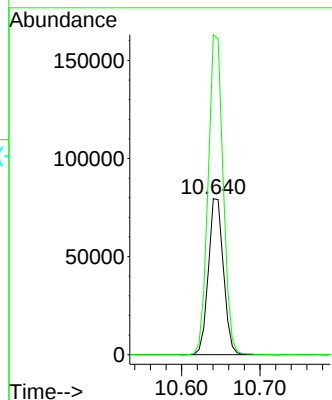
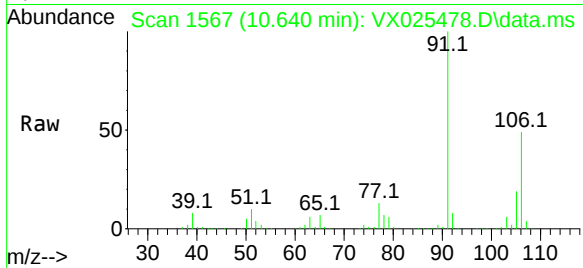




#69
o-Xylene
Concen: 46.473 ug/l
RT: 10.640 min Scan# 1568
Delta R.T. -0.007 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

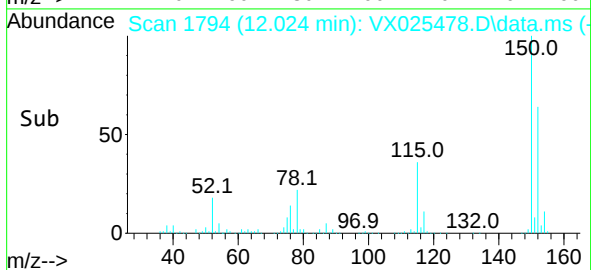
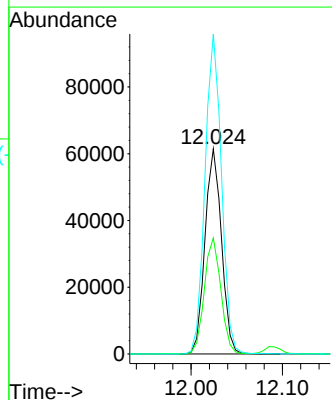
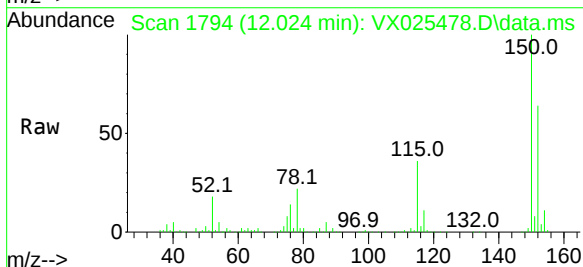
Instrument :
MSVOA_X
ClientSampleId :
MW-25DL

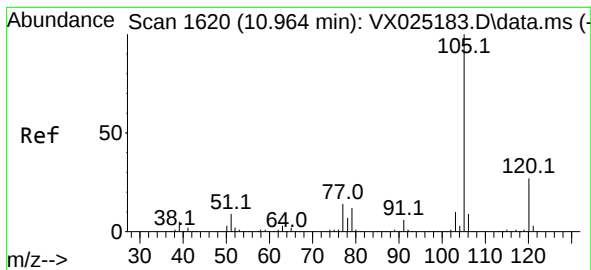
Tgt Ion:106 Resp: 105867
Ion Ratio Lower Upper
106 100
91 205.1 109.5 328.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025478.D
Acq: 03 Dec 2021 13:35

Tgt Ion:152 Resp: 76893
Ion Ratio Lower Upper
152 100
115 56.5 43.3 129.8
150 155.4 0.0 351.2





#73

Isopropylbenzene

Concen: 1.974 ug/l

RT: 10.964 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX025478.D

Acq: 03 Dec 2021 13:35

Instrument :

MSVOA_X

ClientSampleId :

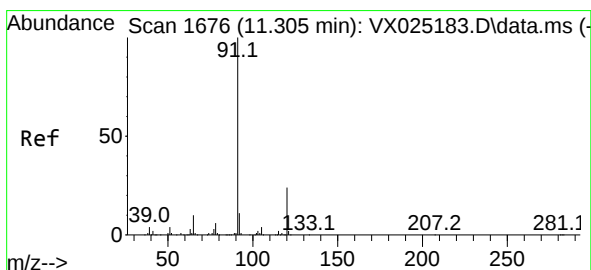
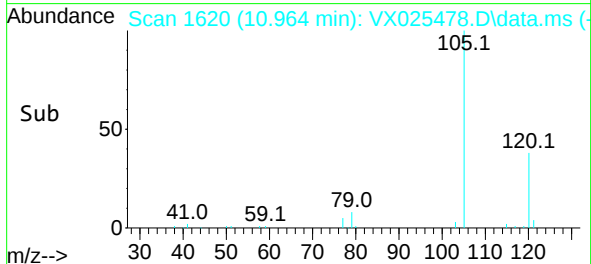
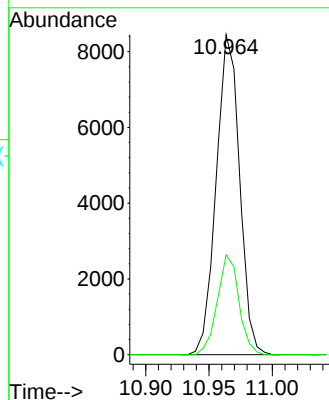
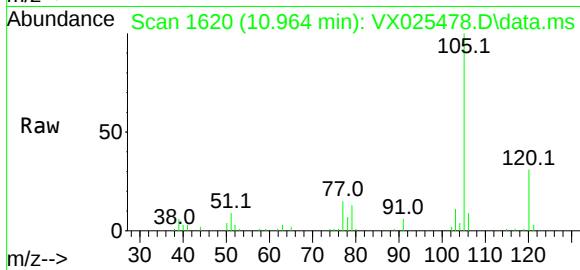
MW-25DL

Tgt Ion:105 Resp: 10818

Ion Ratio Lower Upper

105 100

120 28.9 13.3 39.8



#78

n-propylbenzene

Concen: 4.379 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX025478.D

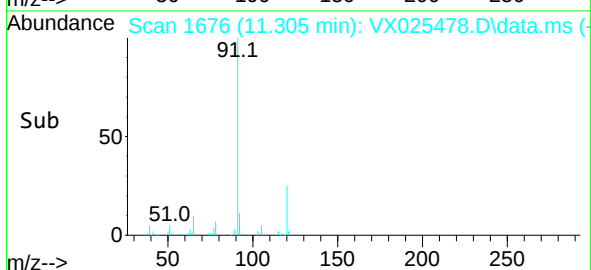
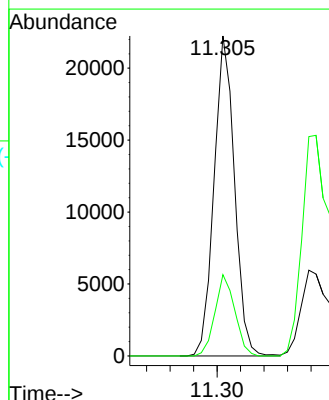
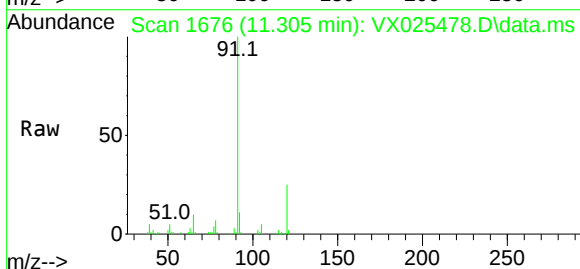
Acq: 03 Dec 2021 13:35

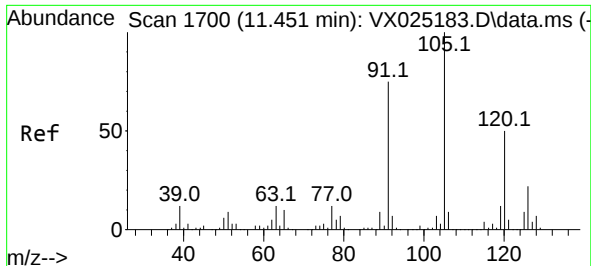
Tgt Ion: 91 Resp: 26939

Ion Ratio Lower Upper

91 100

120 24.6 11.7 35.0

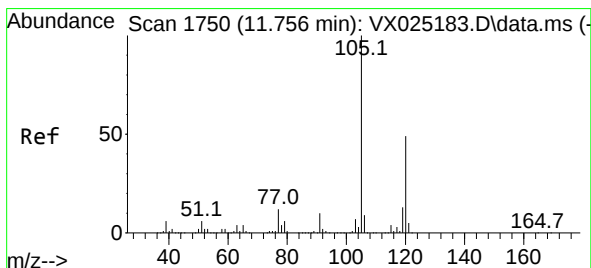
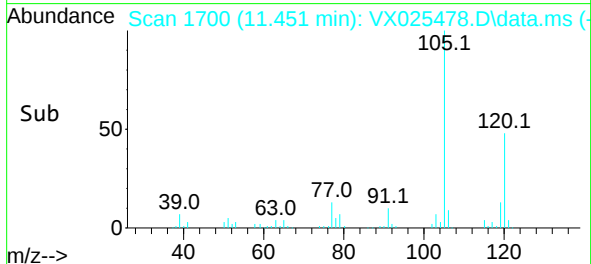
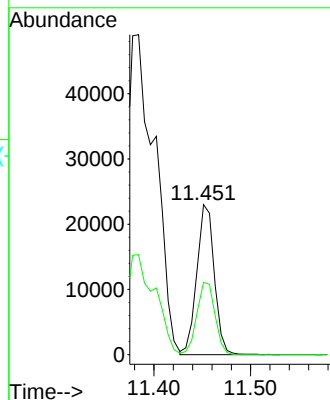
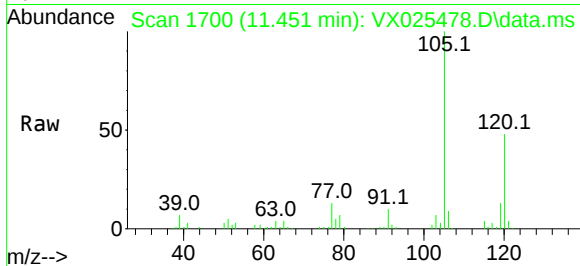




#80
 1,3,5-Trimethylbenzene
 Concen: 6.303 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX025478.D
 Acq: 03 Dec 2021 13:35

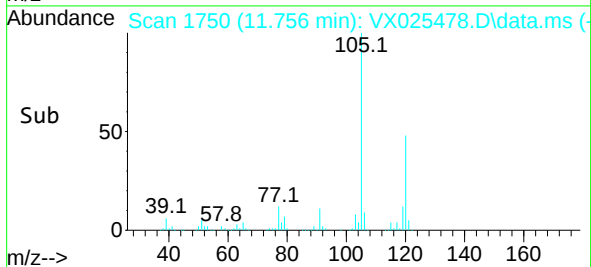
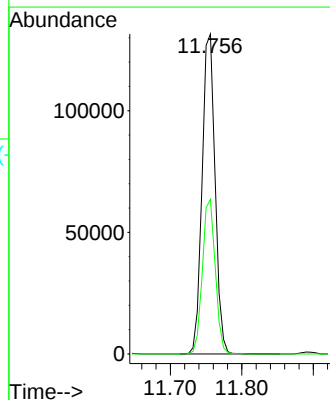
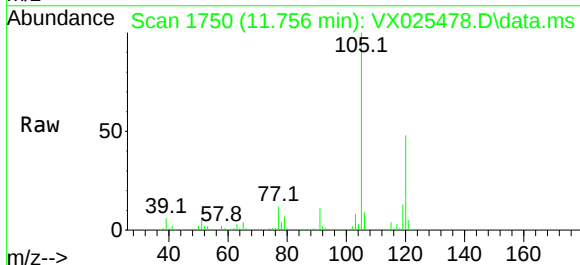
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25DL

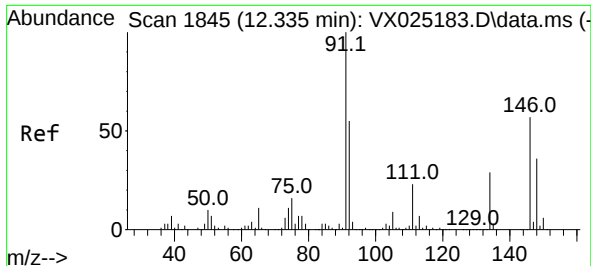
Tgt Ion:105 Resp: 29034
 Ion Ratio Lower Upper
 105 100
 120 49.8 23.8 71.5



#84
 1,2,4-Trimethylbenzene
 Concen: 36.488 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: VX025478.D
 Acq: 03 Dec 2021 13:35

Tgt Ion:105 Resp: 166121
 Ion Ratio Lower Upper
 105 100
 120 47.9 22.1 66.3





#89

n-Butylbenzene

Concen: 0.642 ug/l

RT: 12.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025478.D

Acq: 03 Dec 2021 13:35

Instrument :

MSVOA_X

ClientSampleId :

MW-25DL

Tgt Ion: 91 Resp: 2647

Ion Ratio Lower Upper

91 100

92 30.2 26.3 78.8

134 125.9 13.0 38.9#

