

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
 Data File : VX025439.D
 Acq On : 02 Dec 2021 19:27
 Operator : JC/MD
 Sample : M4917-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25

Quant Time: Dec 03 03:11:12 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	5.562	168	106244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	179402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79565	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	61182	54.63	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.26%
35) Dibromofluoromethane	5.391	113	55969	50.85	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.70%
50) Toluene-d8	8.653	98	209548	50.63	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.26%
62) 4-Bromofluorobenzene	11.085	95	74897	47.84	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.68%

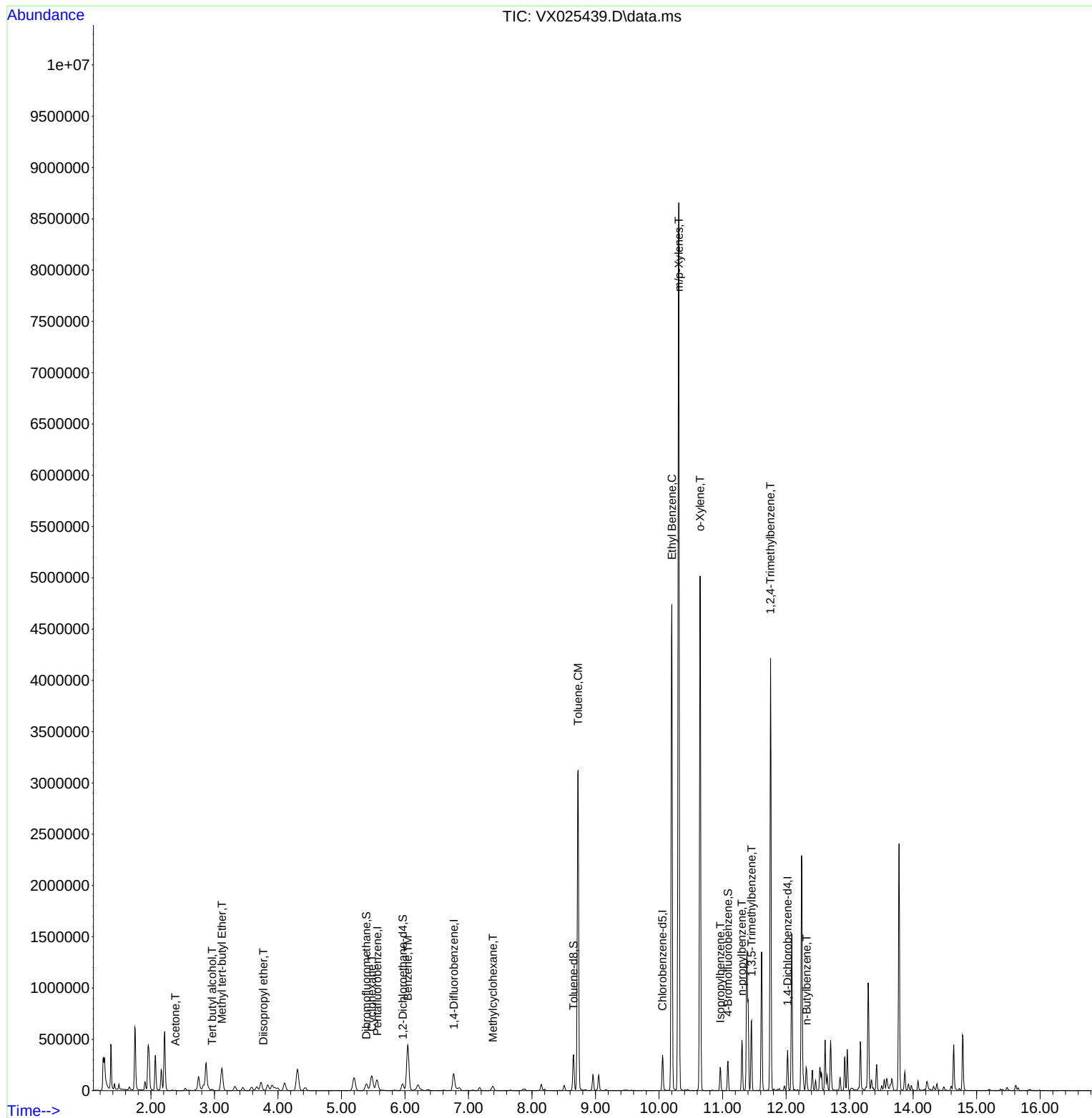
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	12972	39.29	ug/l #	72
16) Acetone	2.386	43	2755	4.43	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	223722	65.21	ug/l #	88
22) Diisopropyl ether	3.770	45	3879	1.14	ug/l #	61
31) Cyclohexane	5.477	56	100836	58.27	ug/l	96
39) Methylcyclohexane	7.385	83	18517	9.22	ug/l	96
40) Benzene	6.044	78	543542	114.64	ug/l	99
52) Toluene	8.726	92	1215601	392.69	ug/l	96
67) Ethyl Benzene	10.201	91	2722420	477.92	ug/l	95
68) m/p-Xylenes	10.311	106	1988822	854.78	ug/l	94
69) o-Xylene	10.646	106	1071881	470.69	ug/l	92
73) Isopropylbenzene	10.963	105	118730	20.94	ug/l	97
78) n-propylbenzene	11.305	91	301812	47.42	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	304257	63.83	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	1725210	366.21	ug/l	95
89) n-Butylbenzene	12.323	91	30760m	7.21	ug/l	

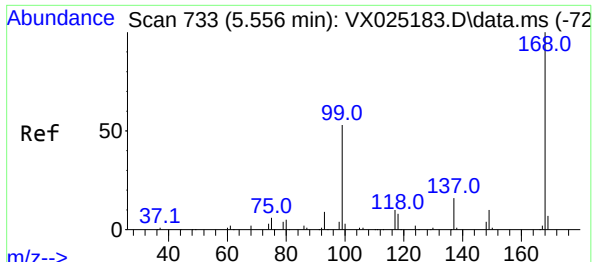
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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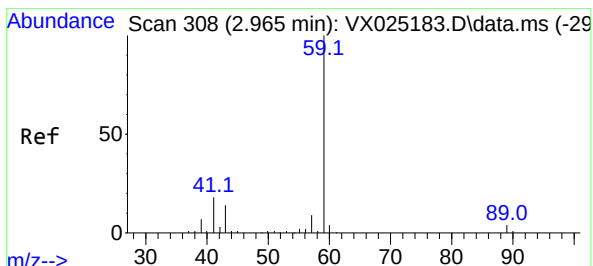
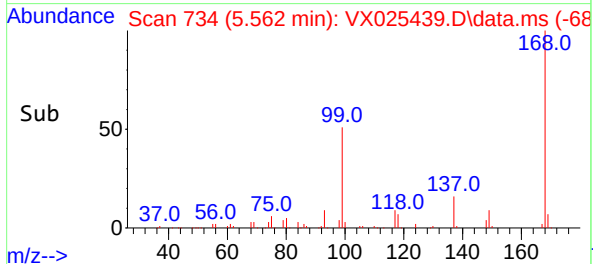
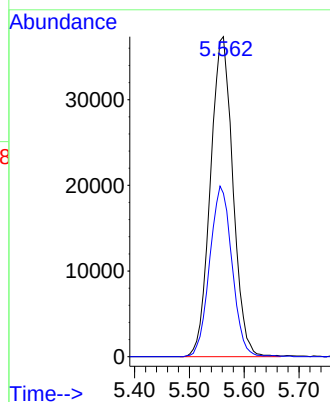
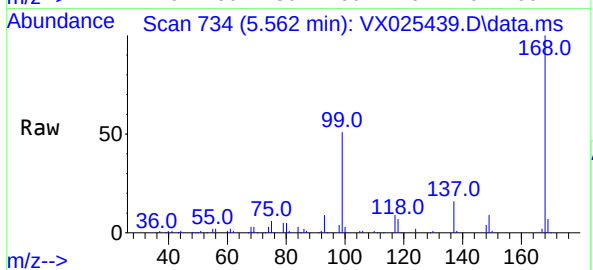




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

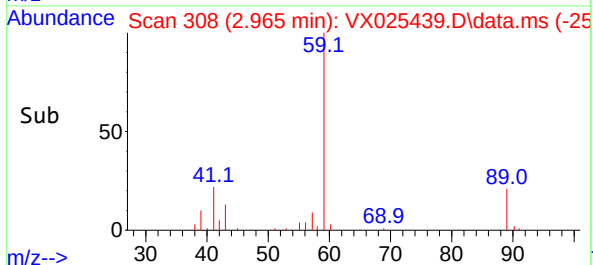
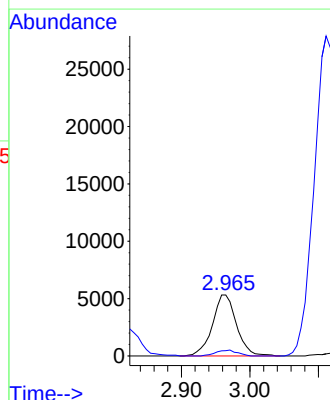
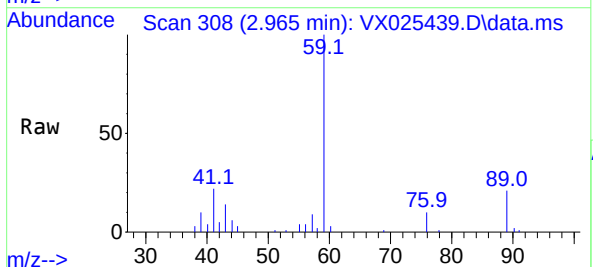
Instrument :
MSVOA_X
ClientSampleId :
MW-25

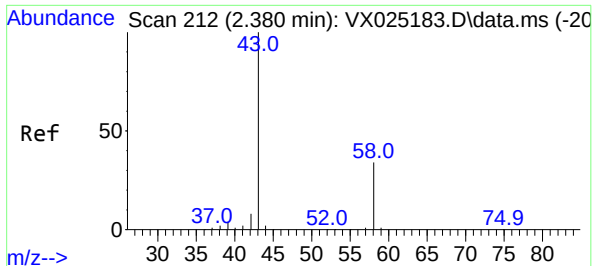
Tgt Ion:168 Resp: 106244
Ion Ratio Lower Upper
168 100
99 51.1 46.4 69.6



#11
Tert butyl alcohol
Concen: 39.29 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Tgt Ion: 59 Resp: 12972
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

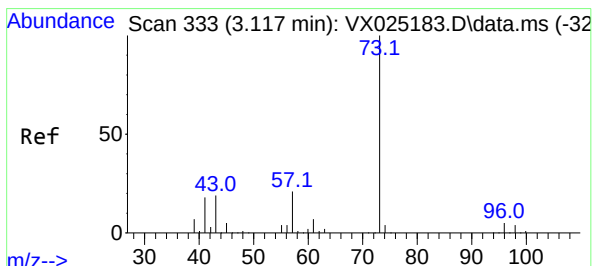
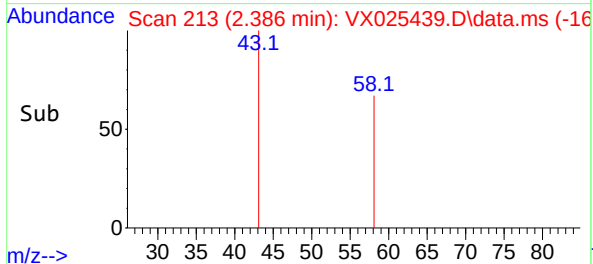
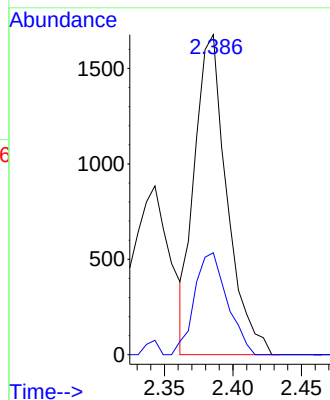
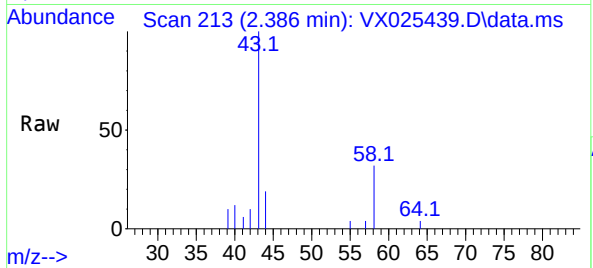




#16
Acetone
Concen: 4.43 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

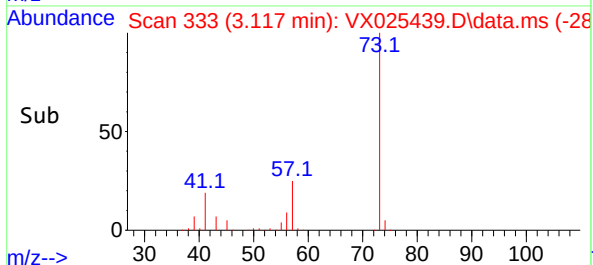
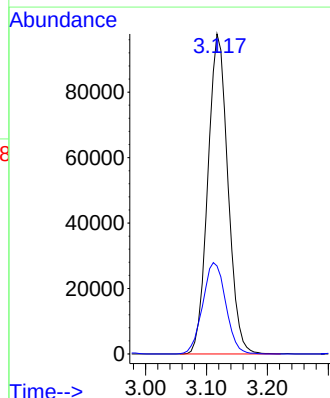
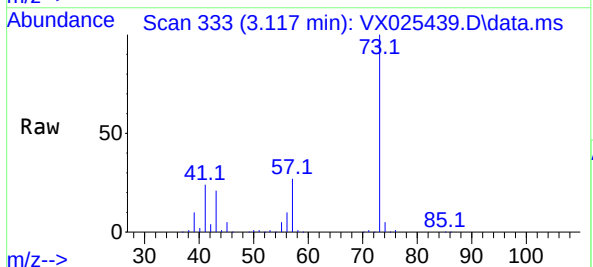
Instrument :
MSVOA_X
ClientSampleId :
MW-25

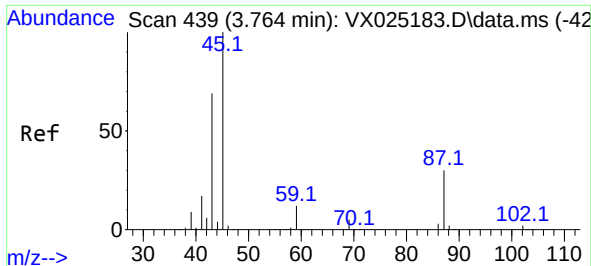
Tgt Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
58 31.8 24.0 36.0



#19
Methyl tert-butyl Ether
Concen: 65.21 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Tgt Ion: 73 Resp: 223722
Ion Ratio Lower Upper
73 100
57 27.5 17.5 26.3#



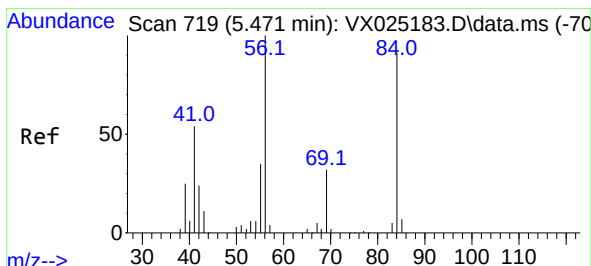
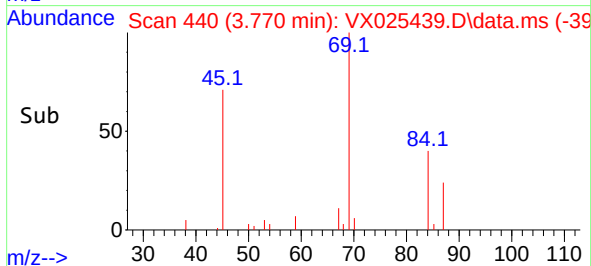
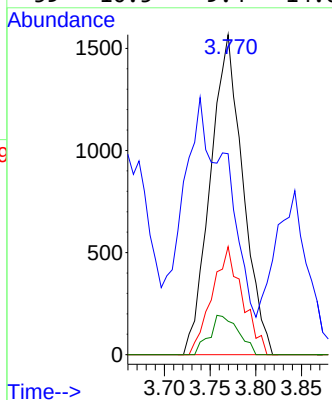
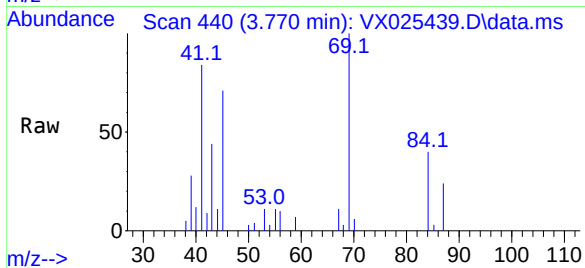


#22
Diisopropyl ether
Concen: 1.14 ug/l
RT: 3.770 min Scan# 44
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion: 45 Resp: 3879

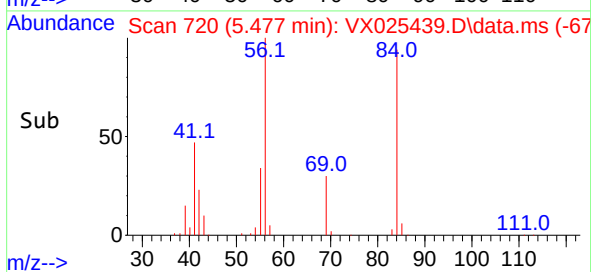
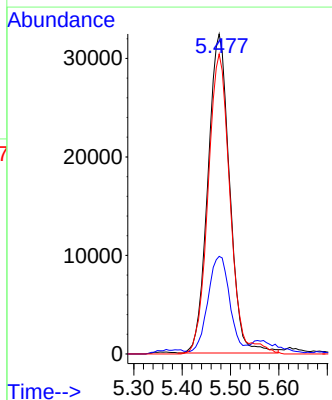
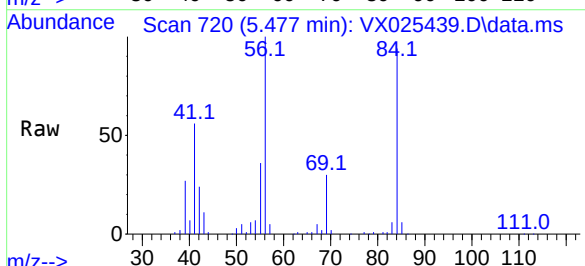
Ion	Ratio	Lower	Upper
45	100		
43	24.1	58.3	87.5#
87	33.8	23.7	35.5
59	10.5	9.4	14.0

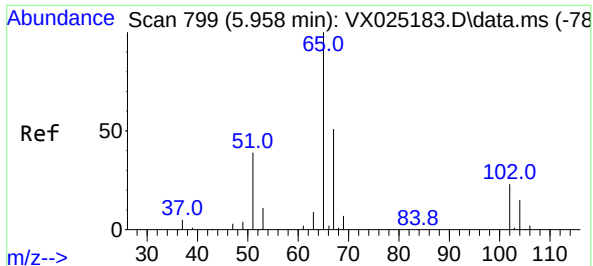


#31
Cyclohexane
Concen: 58.27 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Tgt Ion: 56 Resp: 100836

Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.2	36.2
84	94.1	71.5	107.3





#33

1,2-Dichloroethane-d4

Concen: 54.63 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX025439.D

Acq: 02 Dec 2021 19:27

Instrument :

MSVOA_X

ClientSampleId :

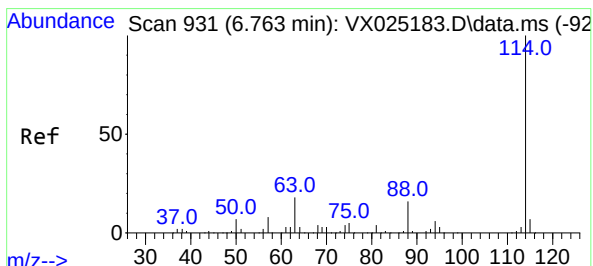
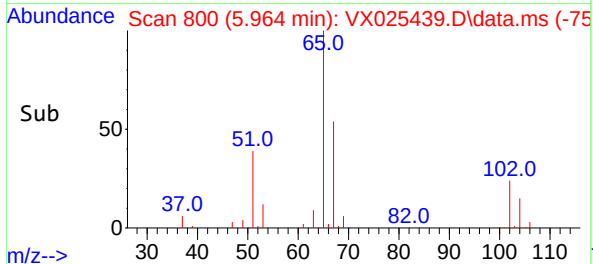
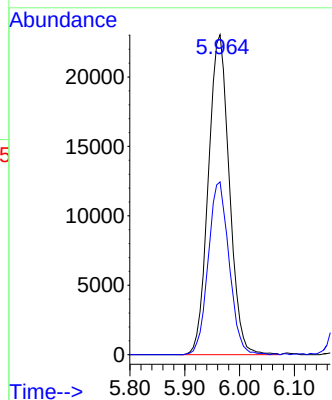
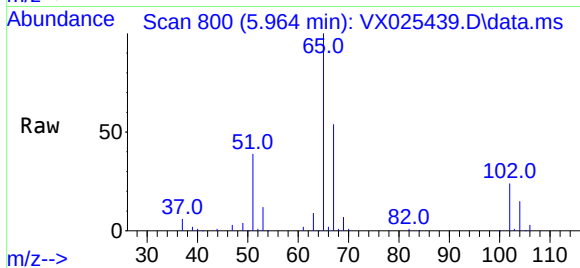
MW-25

Tgt Ion: 65 Resp: 61182

Ion Ratio Lower Upper

65 100

67 53.8 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX025439.D

Acq: 02 Dec 2021 19:27

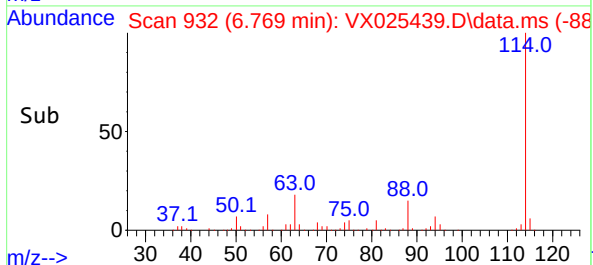
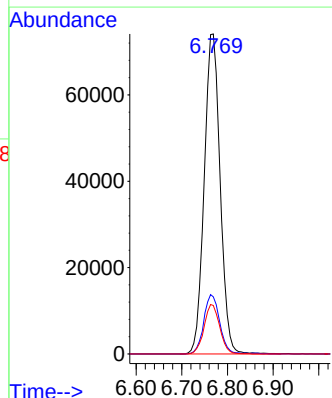
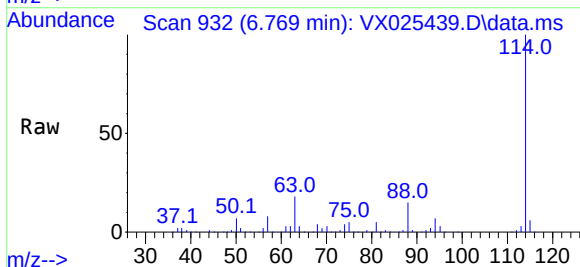
Tgt Ion: 114 Resp: 179402

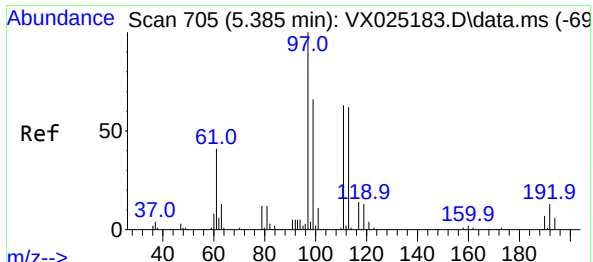
Ion Ratio Lower Upper

114 100

63 17.9 0.0 41.0

88 15.1 0.0 34.8

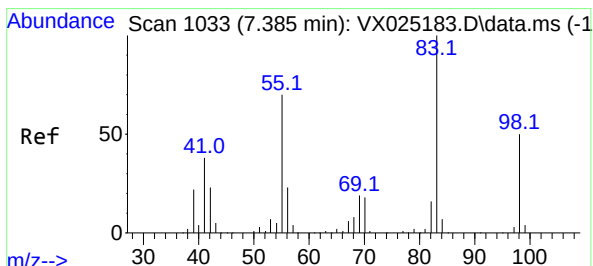
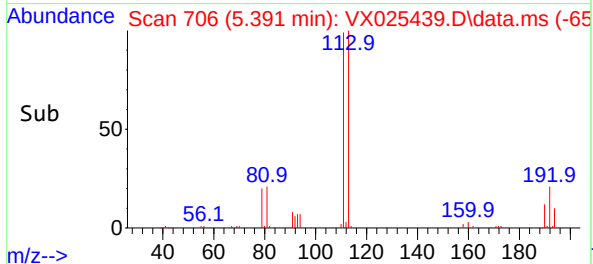
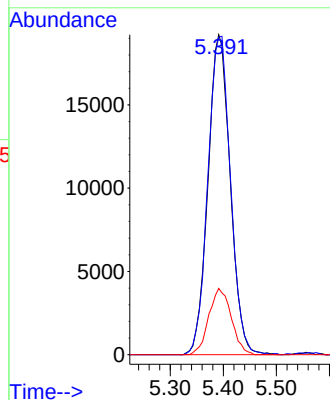
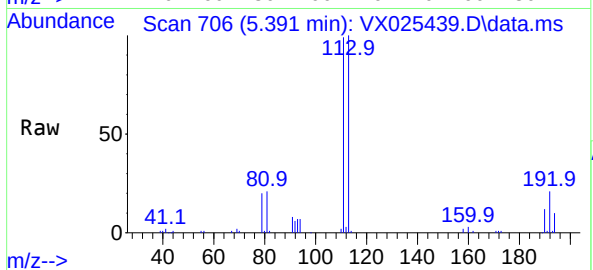




#35
Dibromofluoromethane
Concen: 50.85 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

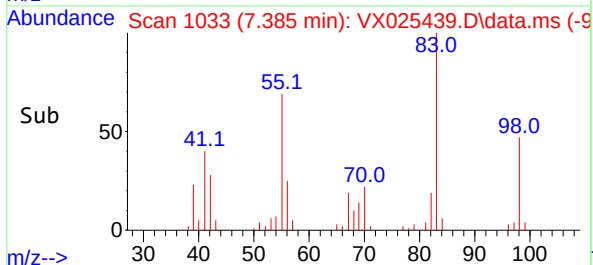
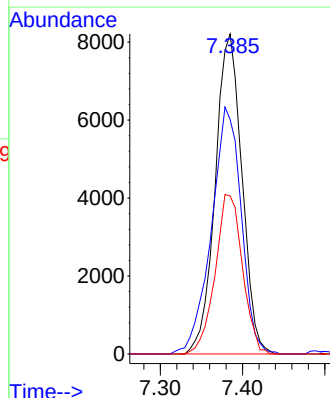
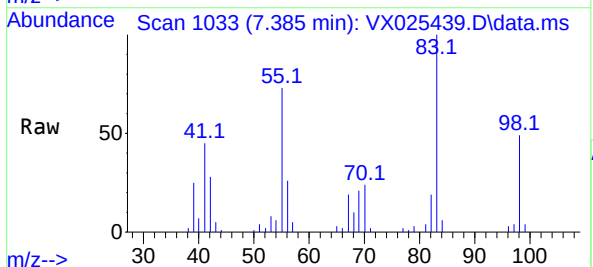
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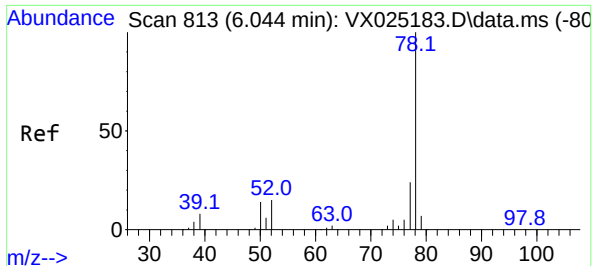
Tgt Ion: 113 Resp: 55969
Ion Ratio Lower Upper
113 100
111 101.2 82.1 123.1
192 21.0 15.6 23.4



#39
Methylcyclohexane
Concen: 9.22 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Tgt Ion: 83 Resp: 18517
Ion Ratio Lower Upper
83 100
55 73.3 60.8 91.2
98 49.4 37.0 55.4

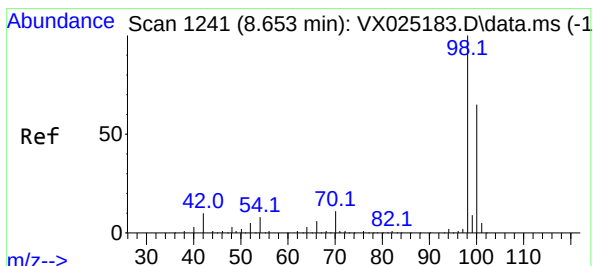
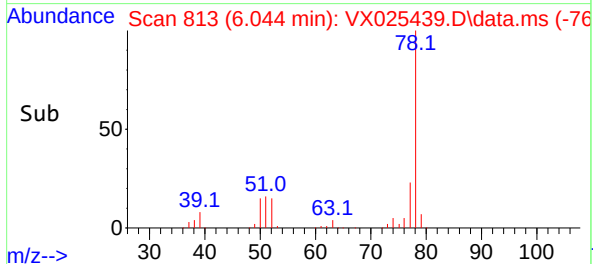
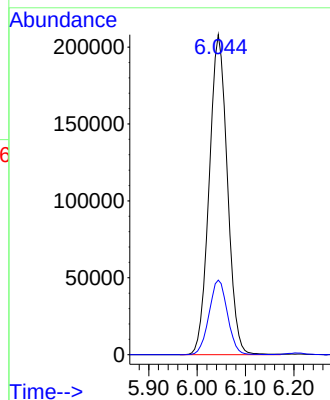
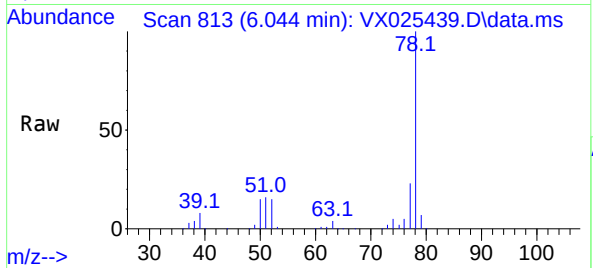




#40
Benzene
Concen: 114.64 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

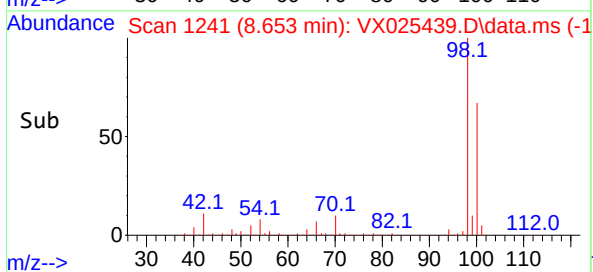
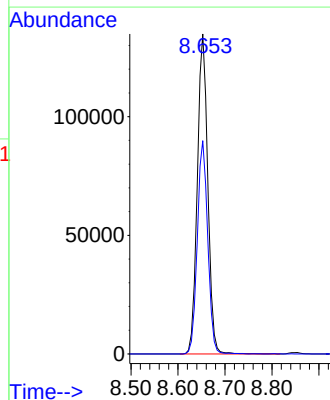
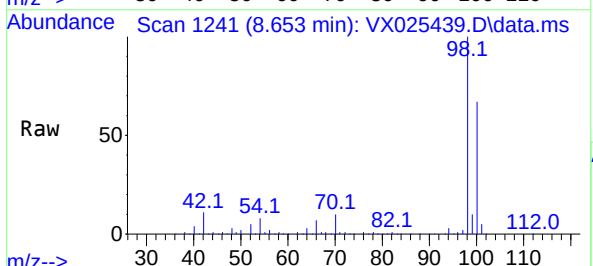
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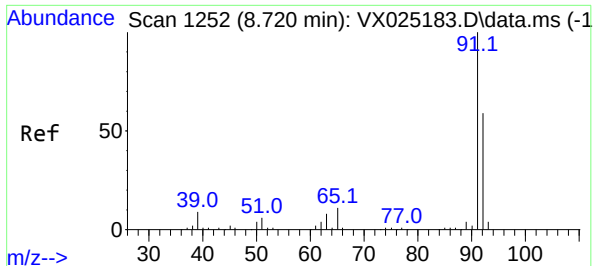
Tgt Ion: 78 Resp: 543542
Ion Ratio Lower Upper
78 100
77 23.3 18.3 27.5



#50
Toluene-d8
Concen: 50.63 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Tgt Ion: 98 Resp: 209548
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.0

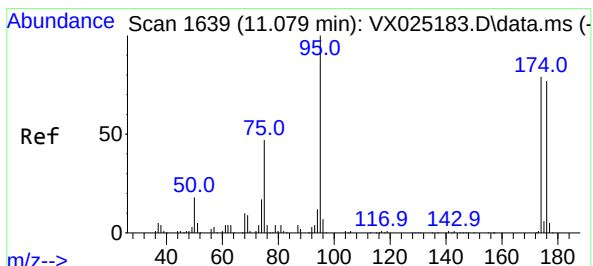
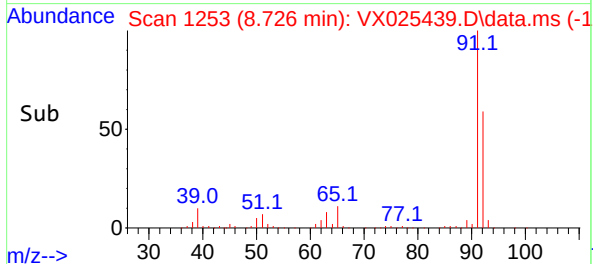
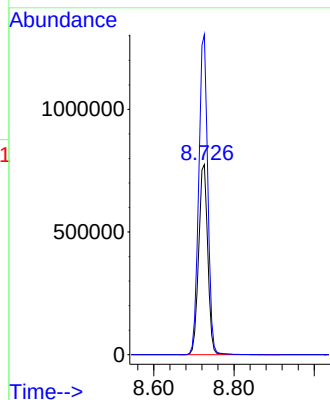
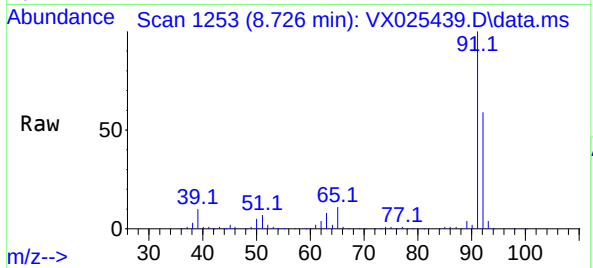




#52
Toluene
Concen: 392.69 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

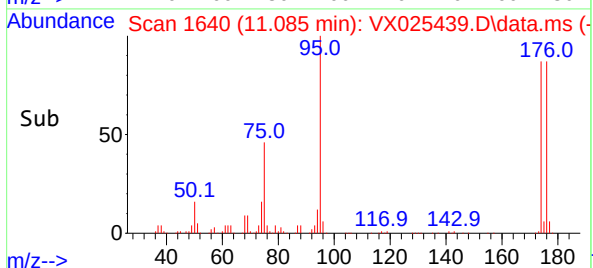
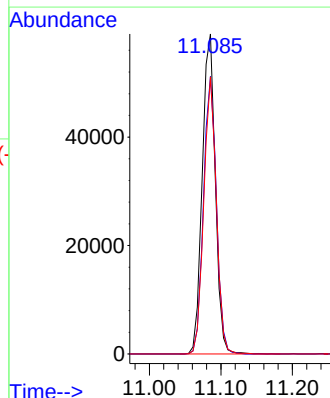
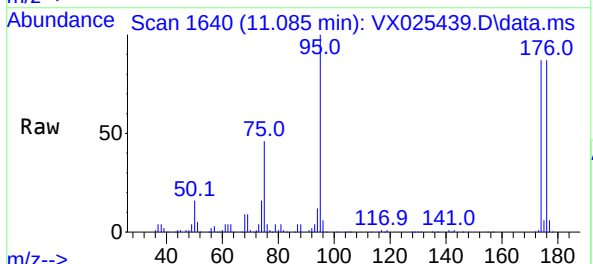
Instrument :
MSVOA_X
ClientSampleId :
MW-25

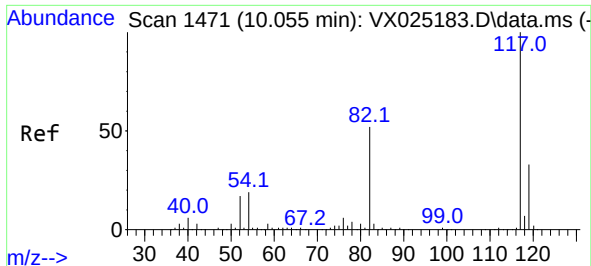
Tgt Ion: 92 Resp: 1215601
Ion Ratio Lower Upper
92 100
91 168.0 138.6 208.0



#62
4-Bromofluorobenzene
Concen: 47.84 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Tgt Ion: 95 Resp: 74897
Ion Ratio Lower Upper
95 100
174 85.4 0.0 158.0
176 83.4 0.0 153.6

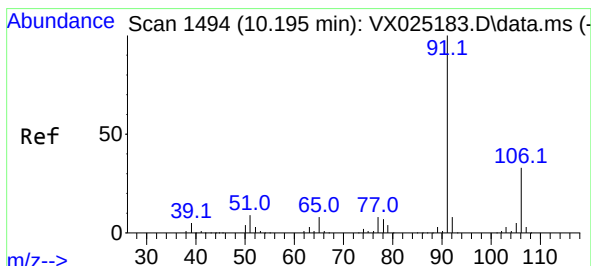
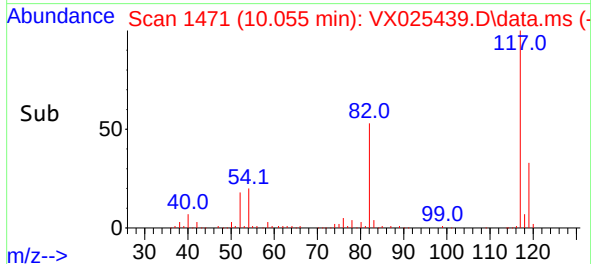
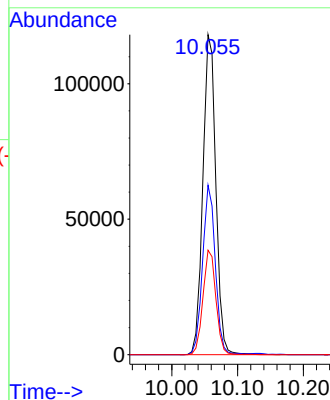
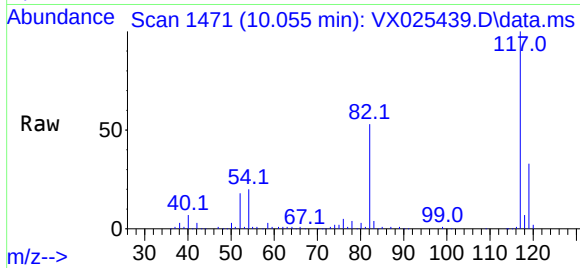




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

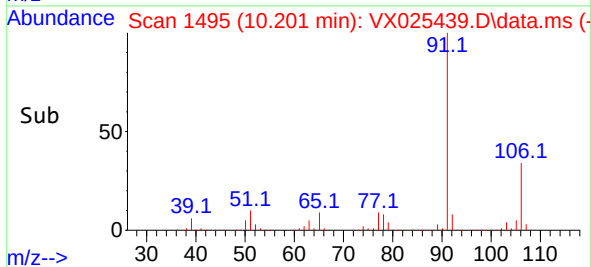
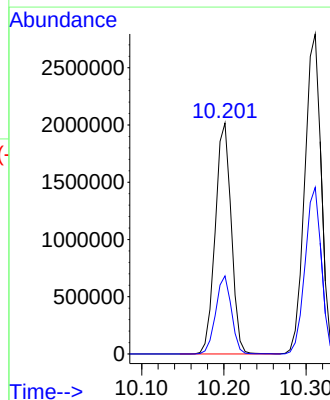
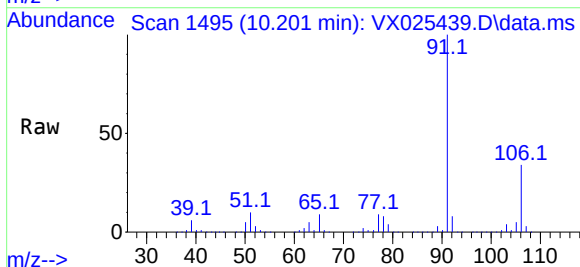
Instrument :
MSVOA_X
ClientSampleId :
MW-25

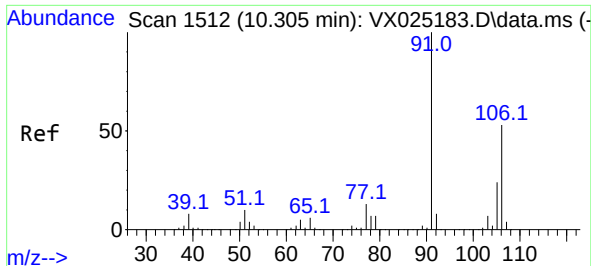
Tgt Ion:117 Resp: 161757
Ion Ratio Lower Upper
117 100
82 53.0 44.6 67.0
119 32.6 24.8 37.2



#67
Ethyl Benzene
Concen: 477.92 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Tgt Ion: 91 Resp: 2722420
Ion Ratio Lower Upper
91 100
106 33.8 24.7 37.1

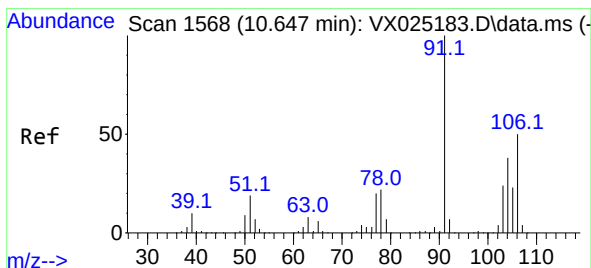
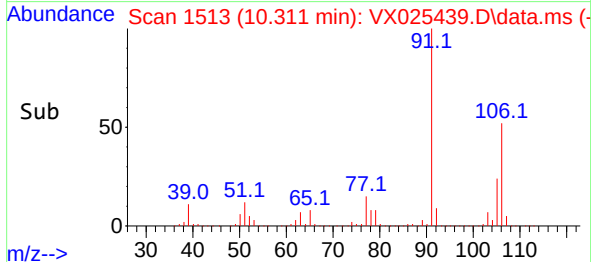
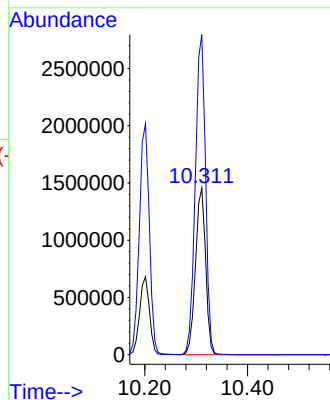
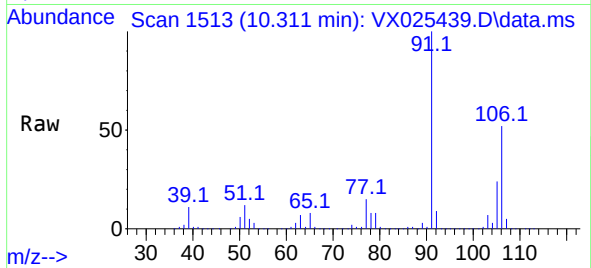




#68
m/p-Xylenes
Concen: 854.78 ug/l
RT: 10.311 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

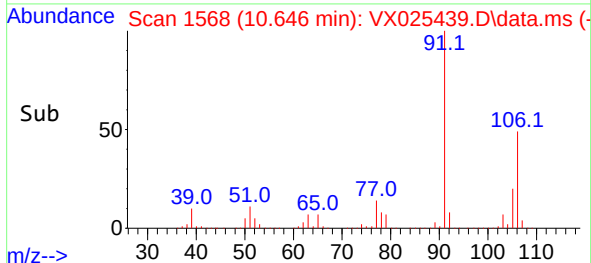
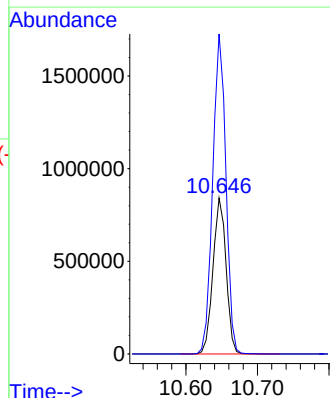
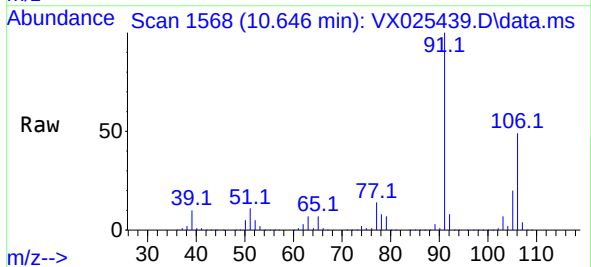
Instrument :
MSVOA_X
ClientSampleId :
MW-25

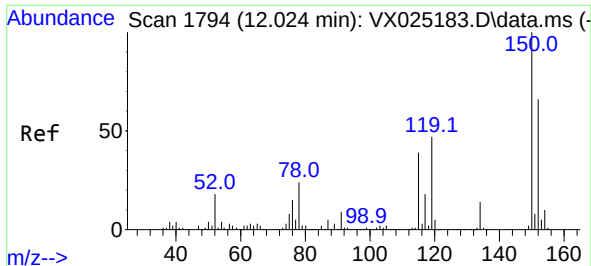
Tgt Ion:106 Resp: 1988822
Ion Ratio Lower Upper
106 100
91 194.7 163.4 245.0



#69
o-Xylene
Concen: 470.69 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

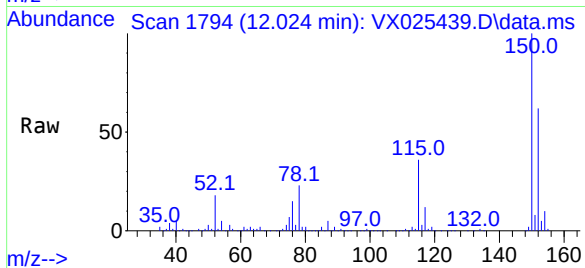
Tgt Ion:106 Resp: 1071881
Ion Ratio Lower Upper
106 100
91 205.5 109.5 328.4



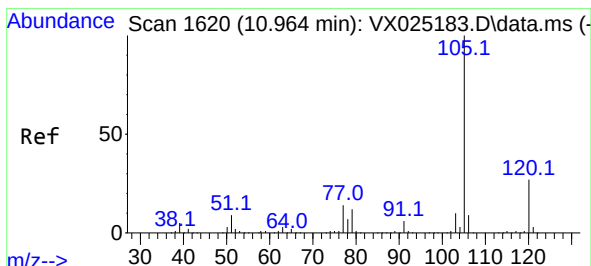
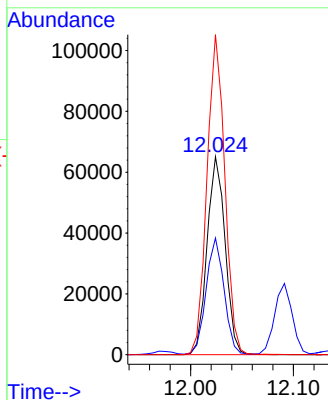
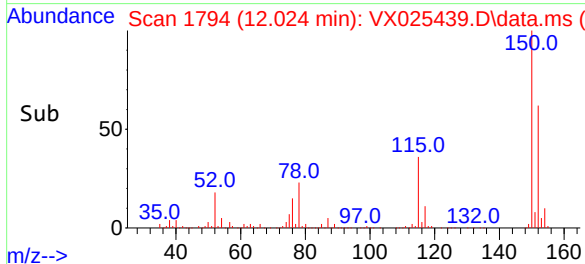


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

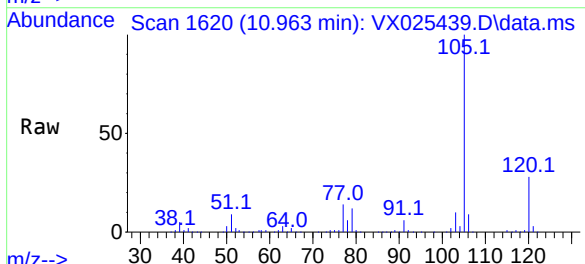
Instrument :
MSVOA_X
ClientSampleId :
MW-25



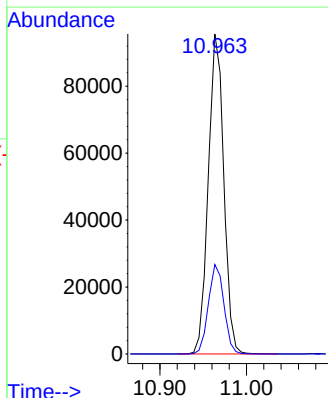
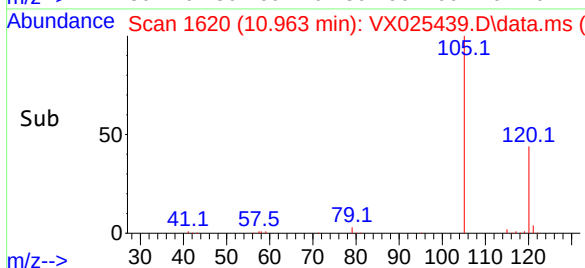
Tgt Ion:152 Resp: 79565
Ion Ratio Lower Upper
152 100
115 58.2 43.3 129.8
150 159.3 0.0 351.2

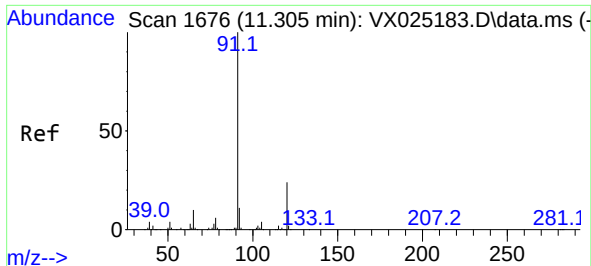


#73
Isopropylbenzene
Concen: 20.94 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27



Tgt Ion:105 Resp: 118730
Ion Ratio Lower Upper
105 100
120 28.0 13.3 39.8

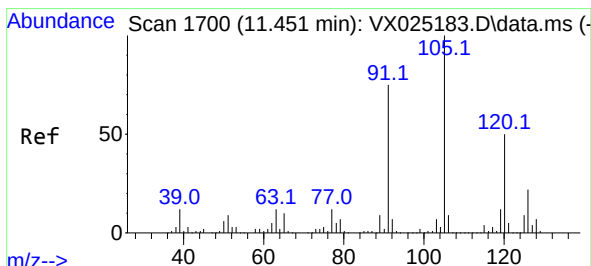
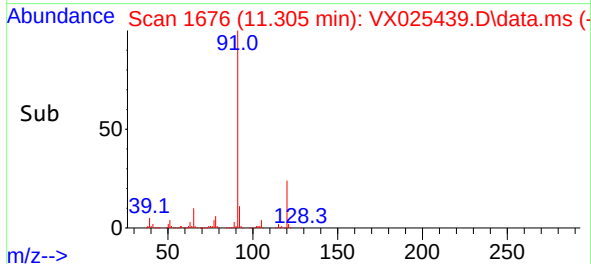
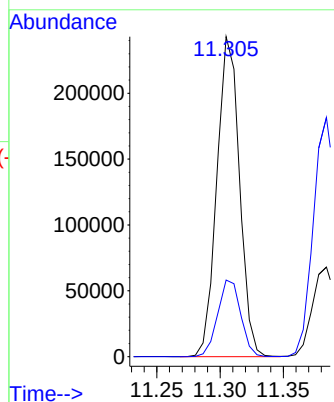
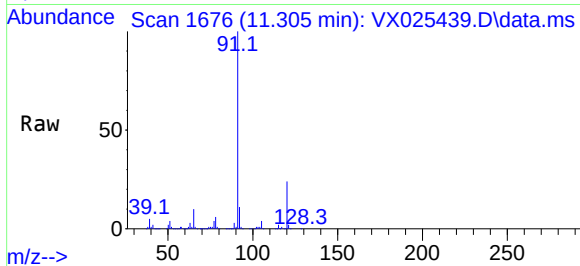




#78
n-propylbenzene
Concen: 47.42 ug/l
RT: 11.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

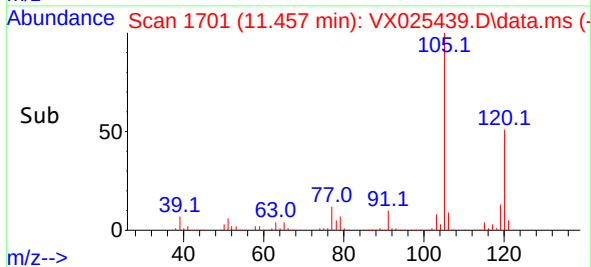
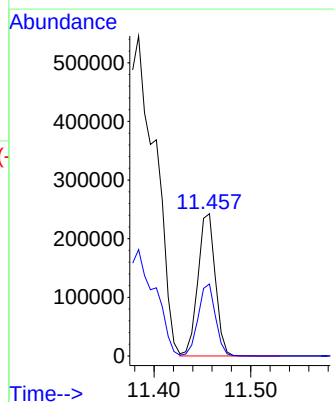
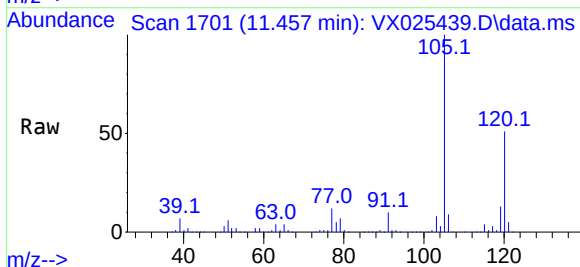
Instrument :
MSVOA_X
ClientSampleId :
MW-25

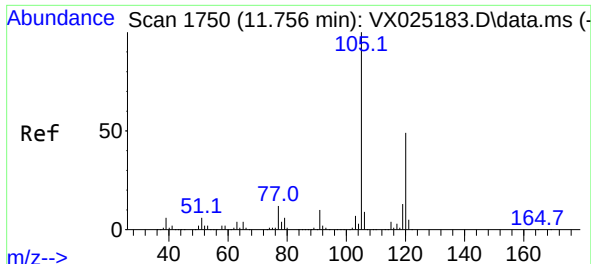
Tgt Ion: 91 Resp: 301812
Ion Ratio Lower Upper
91 100
120 24.4 11.7 35.0



#80
1,3,5-Trimethylbenzene
Concen: 63.83 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Tgt Ion:105 Resp: 304257
Ion Ratio Lower Upper
105 100
120 50.1 23.8 71.5

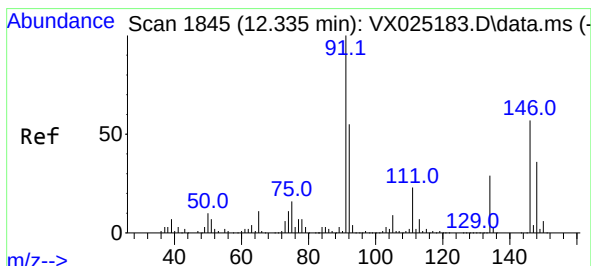
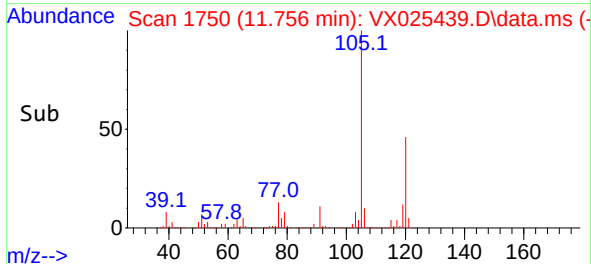
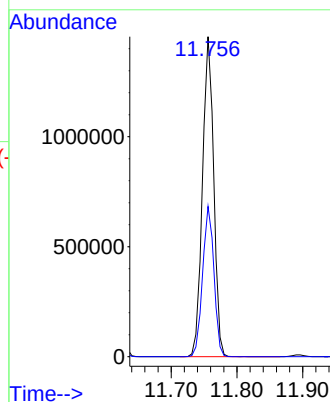
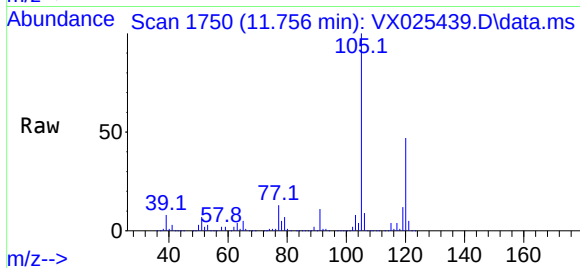




#84
1,2,4-Trimethylbenzene
Concen: 366.21 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion:105 Resp: 1725210
Ion Ratio Lower Upper
105 100
120 47.3 22.1 66.3



#89
n-Butylbenzene
Concen: 7.21 ug/l m
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX025439.D
Acq: 02 Dec 2021 19:27

Tgt Ion: 91 Resp: 30760
Ion Ratio Lower Upper
91 100
92 0.0 26.3 78.8#
134 0.0 13.0 38.9#

