

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110222\
 Data File : VX032531.D
 Acq On : 02 Nov 2022 12:33
 Operator : JC/MD
 Sample : N5414-01DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW3DL

Quant Time: Nov 03 03:10:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

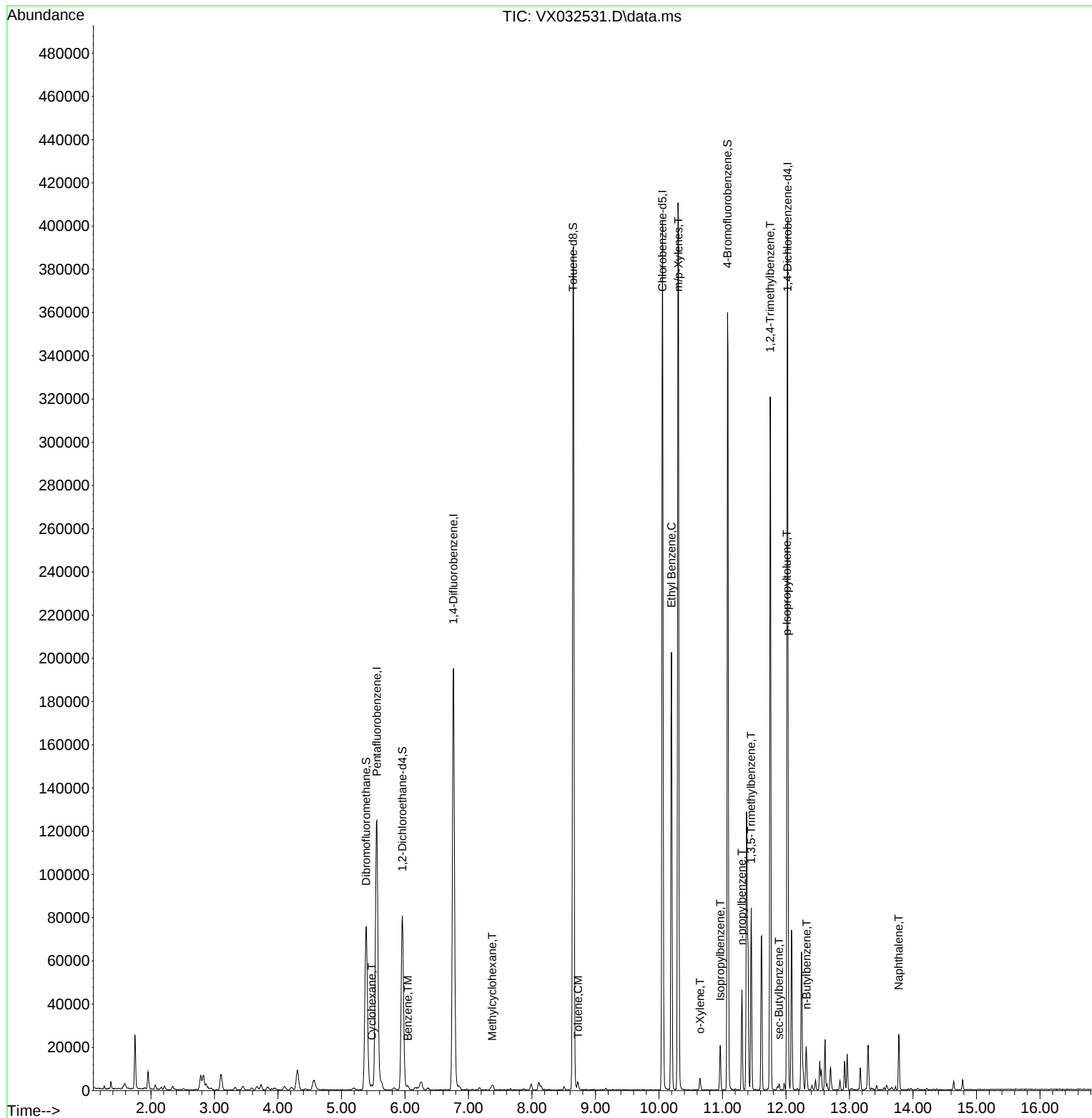
Internal Standards						
1) Pentafluorobenzene	5.556	168	118143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193772	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80767	49.201	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.400%		
35) Dibromofluoromethane	5.385	113	63371	45.848	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.700%		
50) Toluene-d8	8.647	98	232995	48.478	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.960%		
62) 4-Bromofluorobenzene	11.079	95	92033	49.021	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.040%		
Target Compounds					Qvalue	
31) Cyclohexane	5.477	56	1399	0.703	ug/l #	86
39) Methylcyclohexane	7.373	83	1083	0.476	ug/l #	87
40) Benzene	6.044	78	2230	0.409	ug/l #	86
52) Toluene	8.726	92	1475	0.415	ug/l	99
67) Ethyl Benzene	10.195	91	113056	16.223	ug/l	99
68) m/p-Xylenes	10.305	106	97042	35.862	ug/l	100
69) o-Xylene	10.647	106	1199	0.456	ug/l	86
73) Isopropylbenzene	10.964	105	10202	1.571	ug/l	96
78) n-propylbenzene	11.305	91	27091	3.620	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	34839	6.276	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	137289	24.867	ug/l	100
85) sec-Butylbenzene	11.890	105	1862m	0.279	ug/l	
86) p-Isopropyltoluene	12.012	119	1155	0.204	ug/l #	69
89) n-Butylbenzene	12.323	91	2995	0.608	ug/l #	25
95) Naphthalene	13.774	128	16723	2.599	ug/l	97

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

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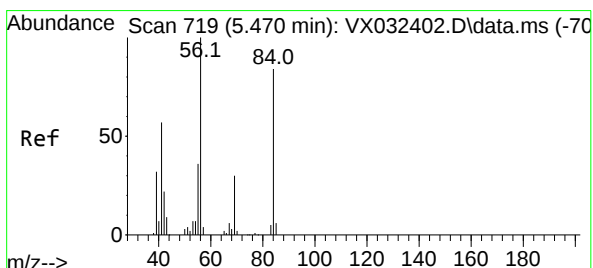
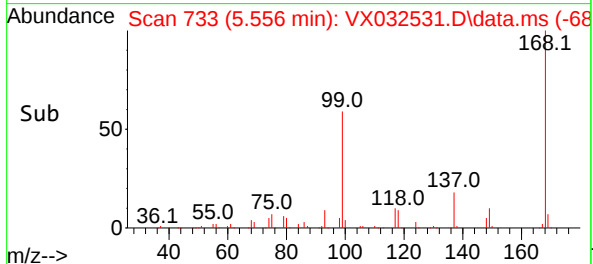
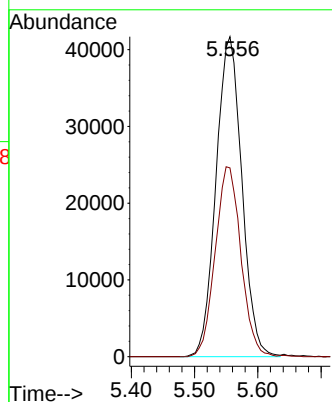
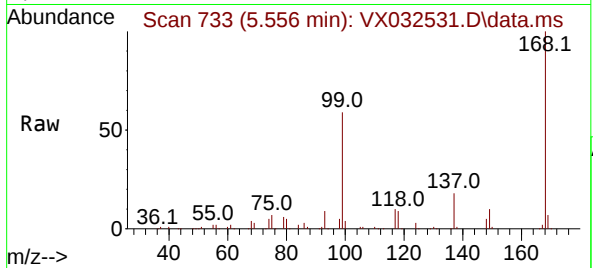




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

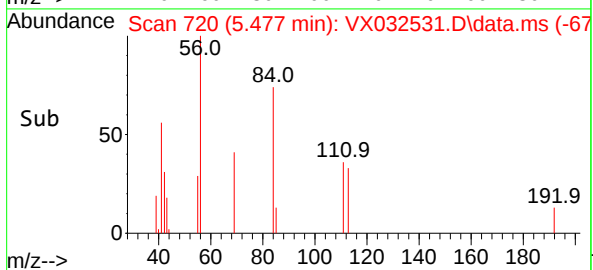
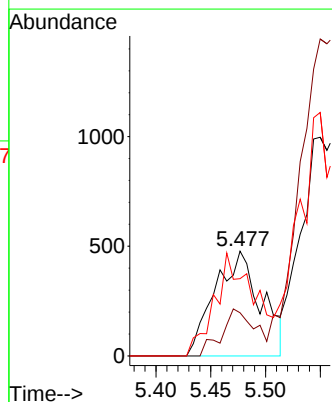
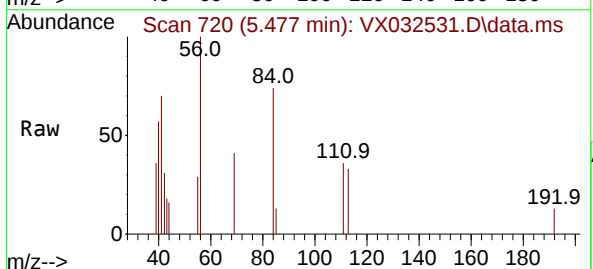
Instrument :
MSVOA_X
ClientSampleId :
MW3DL

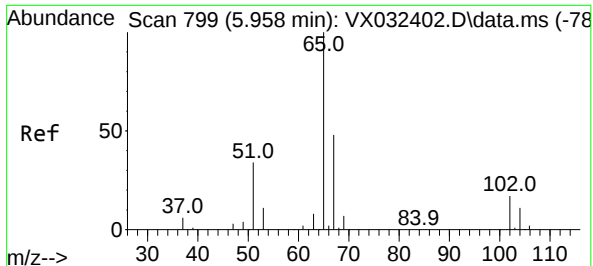
Tgt Ion:168 Resp: 118143
Ion Ratio Lower Upper
168 100
99 59.0 46.1 69.1



#31
Cyclohexane
Concen: 0.703 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

Tgt Ion: 56 Resp: 1399
Ion Ratio Lower Upper
56 100
69 41.2 24.1 36.1#
84 73.6 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 49.201 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032531.D

Acq: 02 Nov 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

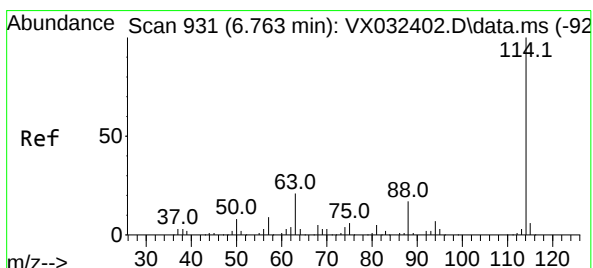
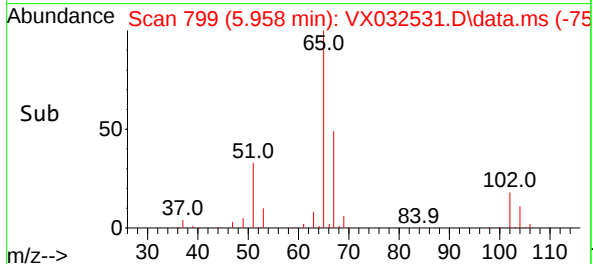
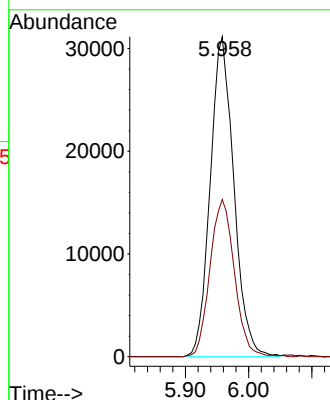
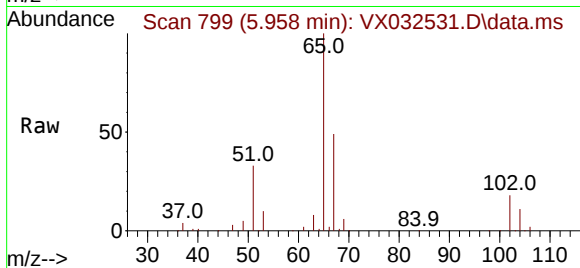
MW3DL

Tgt Ion: 65 Resp: 80767

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032531.D

Acq: 02 Nov 2022 12:33

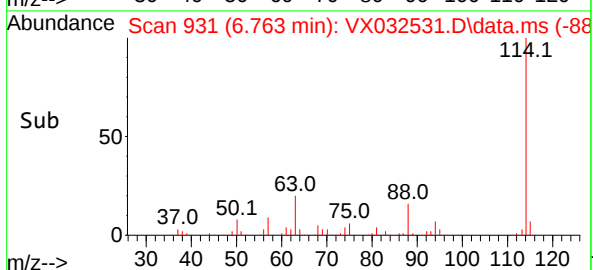
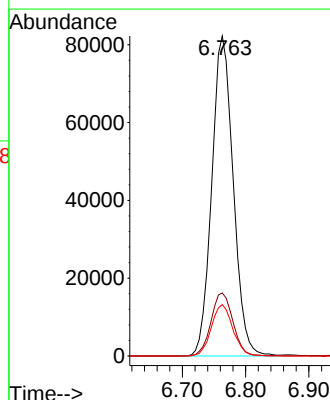
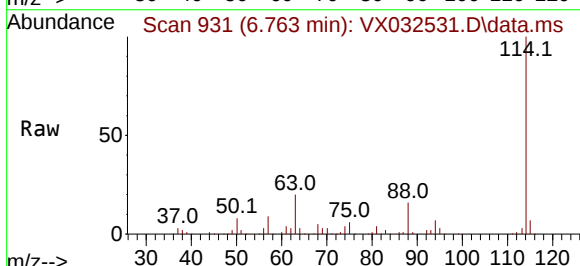
Tgt Ion: 114 Resp: 193772

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.848 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032531.D

Acq: 02 Nov 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

MW3DL

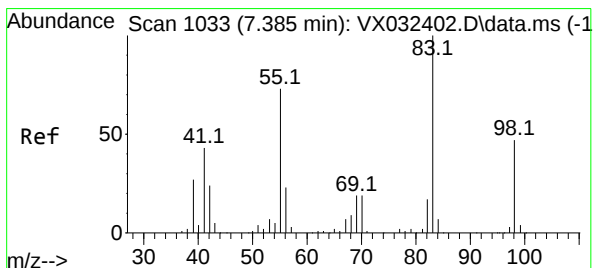
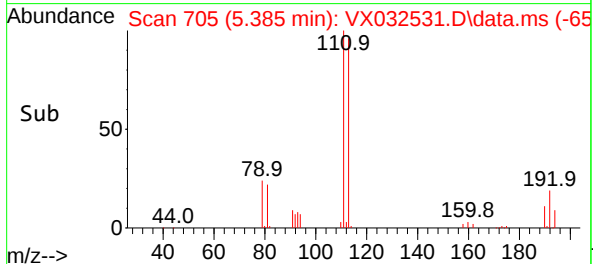
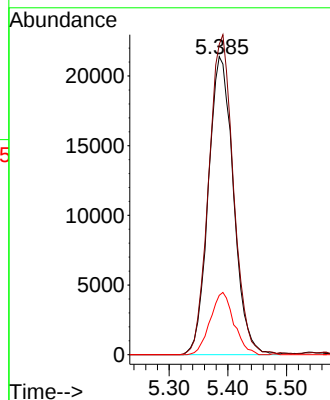
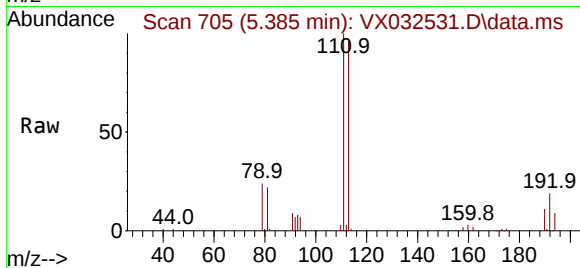
Tgt Ion:113 Resp: 63371

Ion Ratio Lower Upper

113 100

111 105.9 82.4 123.6

192 19.8 15.4 23.2



#39

Methylcyclohexane

Concen: 0.476 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.012 min

Lab File: VX032531.D

Acq: 02 Nov 2022 12:33

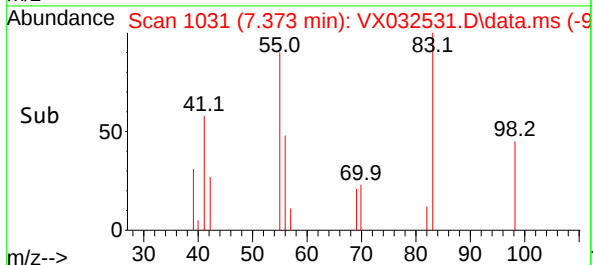
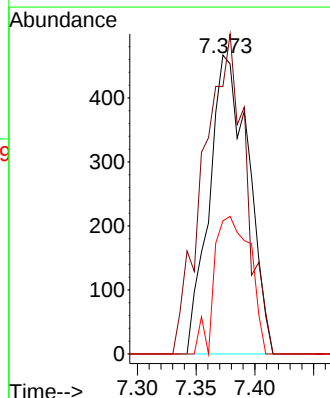
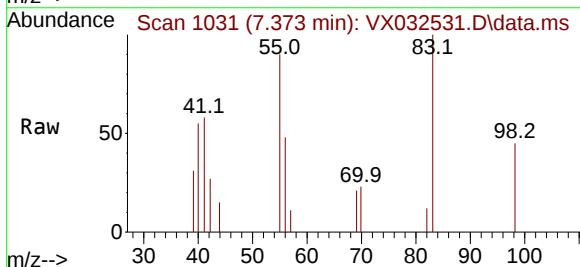
Tgt Ion: 83 Resp: 1083

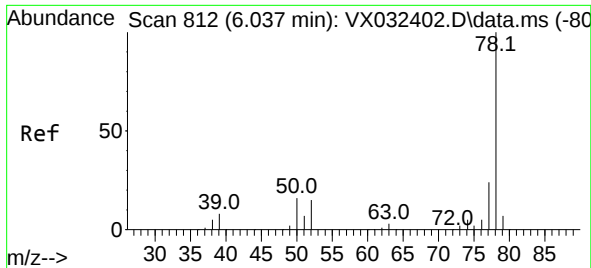
Ion Ratio Lower Upper

83 100

55 89.5 58.4 87.6#

98 44.5 37.2 55.8

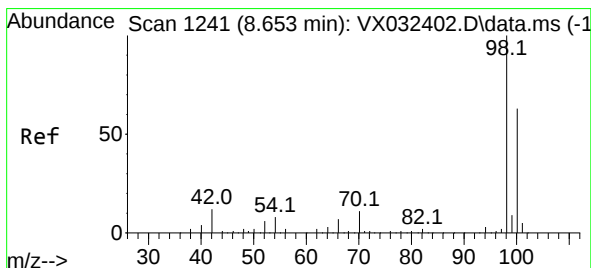
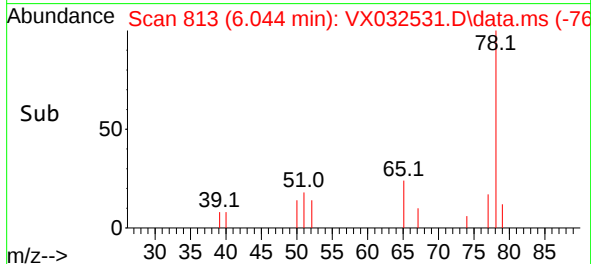
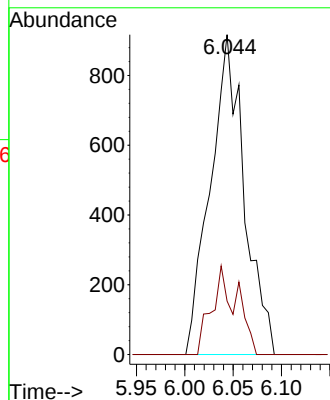
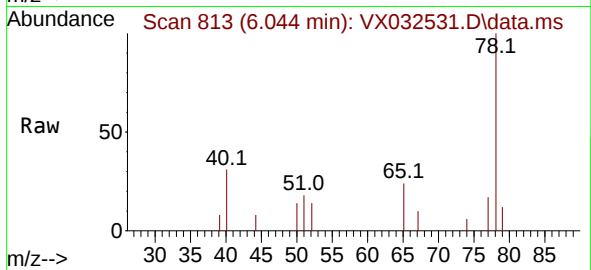




#40
Benzene
Concen: 0.409 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

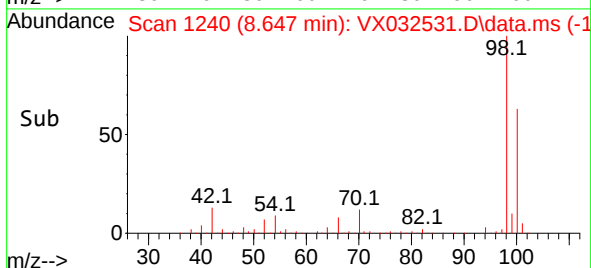
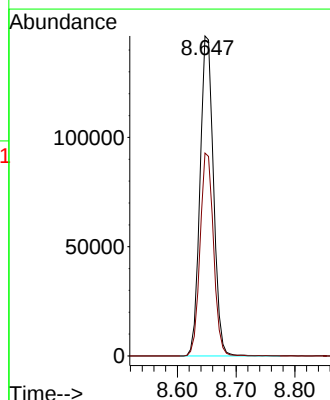
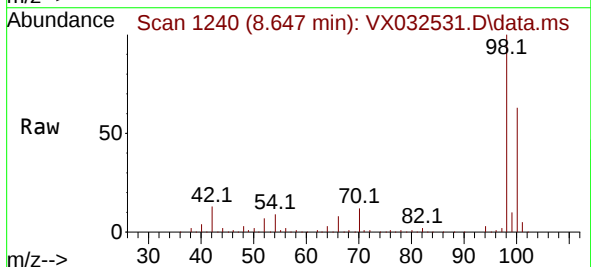
Instrument :
MSVOA_X
ClientSampleId :
MW3DL

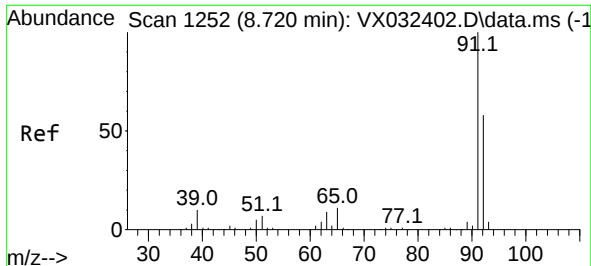
Tgt Ion: 78 Resp: 2230
Ion Ratio Lower Upper
78 100
77 16.7 19.0 28.4#



#50
Toluene-d8
Concen: 48.478 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

Tgt Ion: 98 Resp: 232995
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3





#52

Toluene

Concen: 0.415 ug/l

RT: 8.726 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX032531.D

Acq: 02 Nov 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

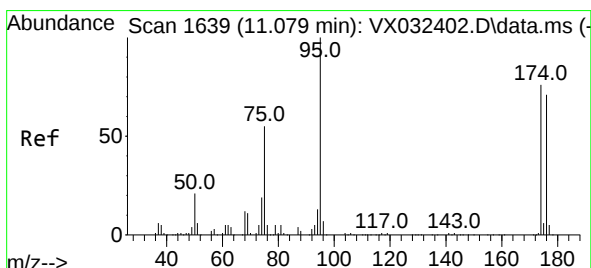
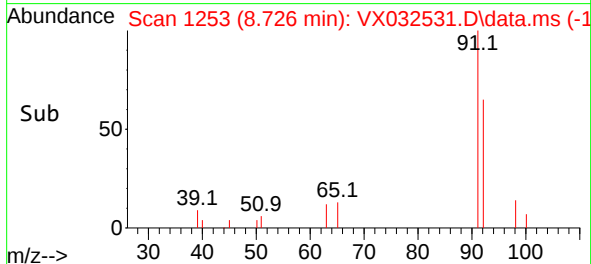
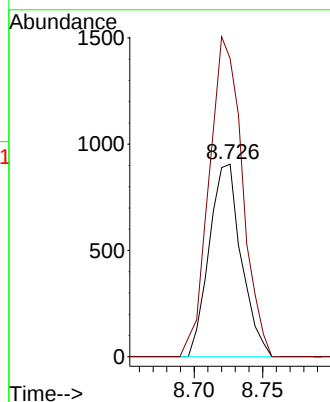
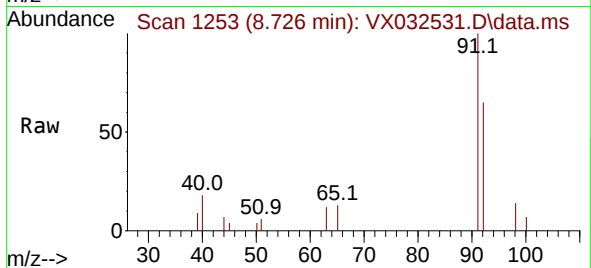
MW3DL

Tgt Ion: 92 Resp: 1475

Ion Ratio Lower Upper

92 100

91 172.1 138.3 207.5



#62

4-Bromofluorobenzene

Concen: 49.021 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032531.D

Acq: 02 Nov 2022 12:33

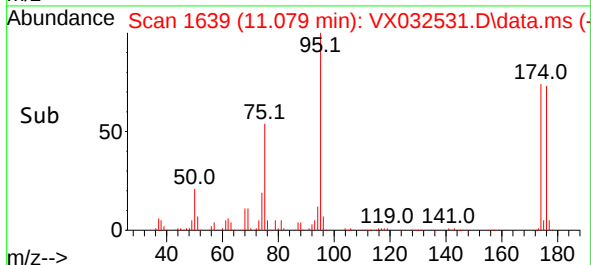
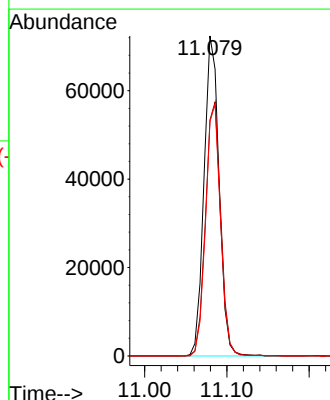
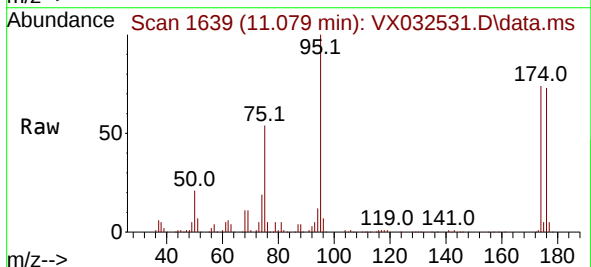
Tgt Ion: 95 Resp: 92033

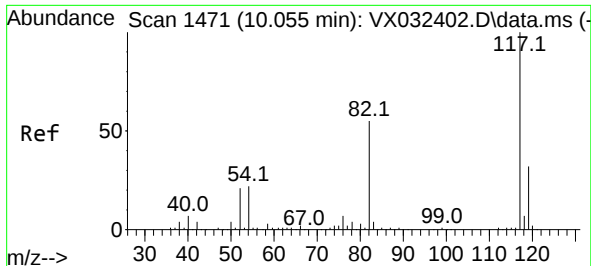
Ion Ratio Lower Upper

95 100

174 80.4 0.0 164.0

176 77.9 0.0 154.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032531.D

Acq: 02 Nov 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

MW3DL

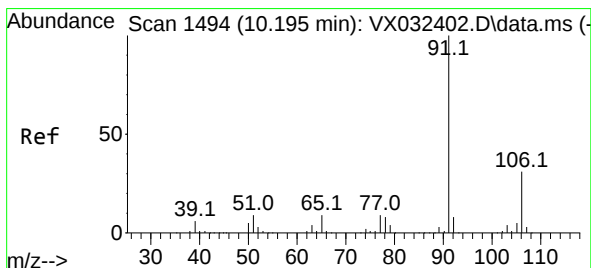
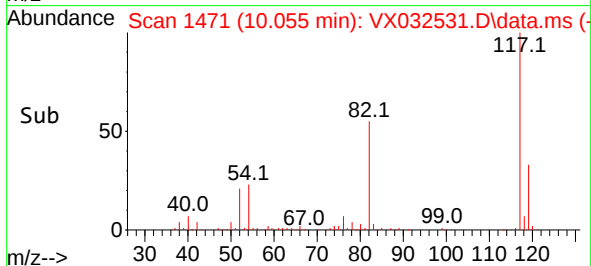
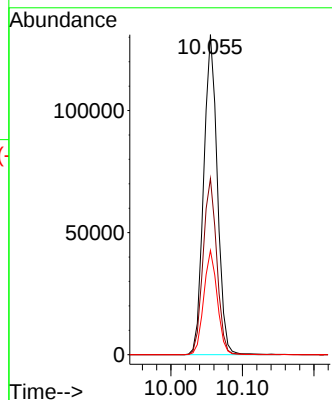
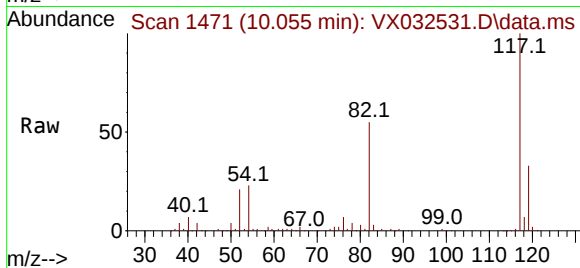
Tgt Ion:117 Resp: 173968

Ion Ratio Lower Upper

117 100

82 55.1 44.3 66.5

119 32.5 25.7 38.5



#67

Ethyl Benzene

Concen: 16.223 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX032531.D

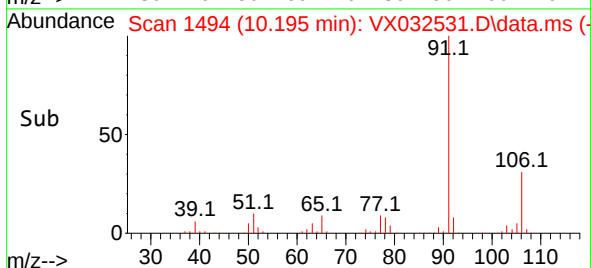
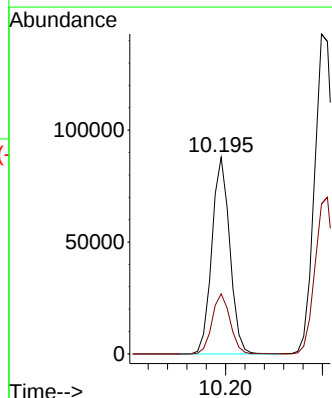
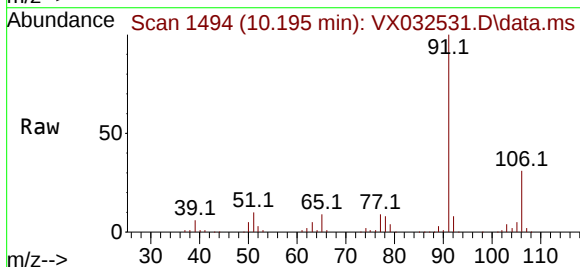
Acq: 02 Nov 2022 12:33

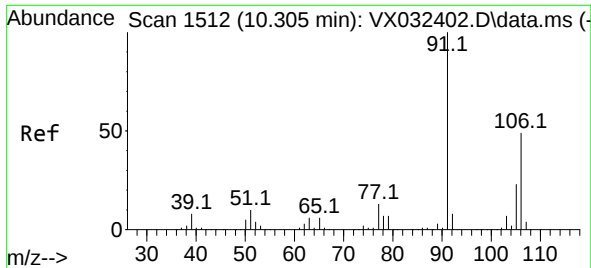
Tgt Ion: 91 Resp: 113056

Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.6

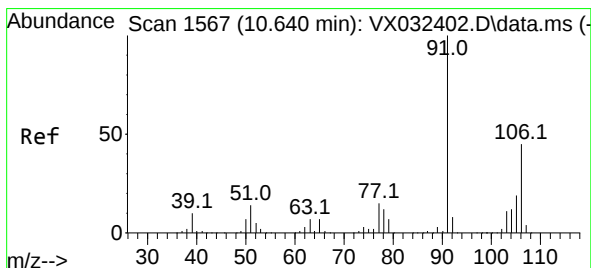
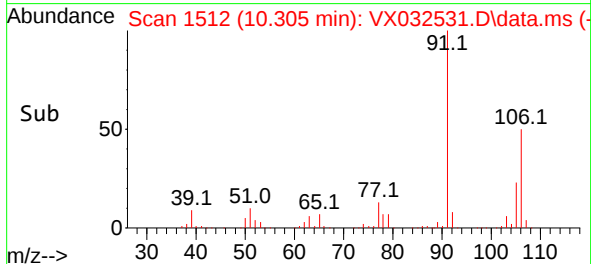
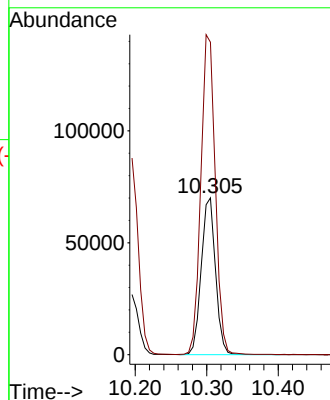
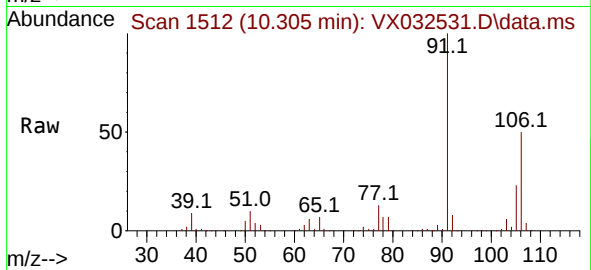




#68
m/p-Xylenes
Concen: 35.862 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

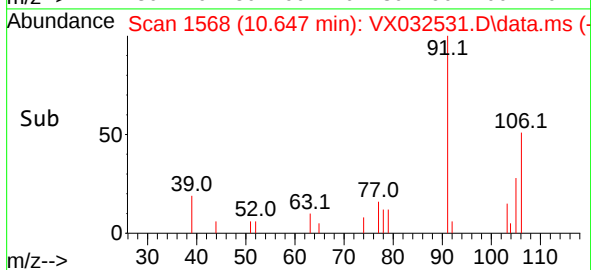
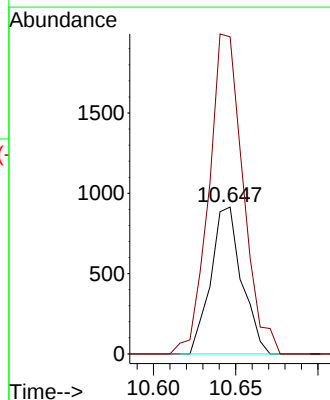
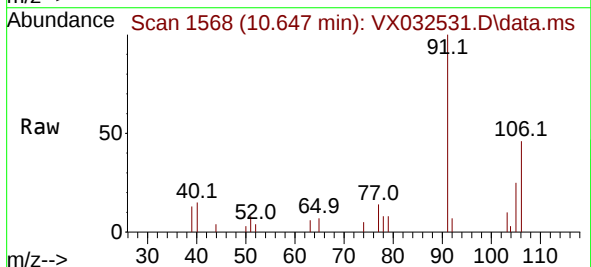
Instrument :
MSVOA_X
ClientSampleId :
MW3DL

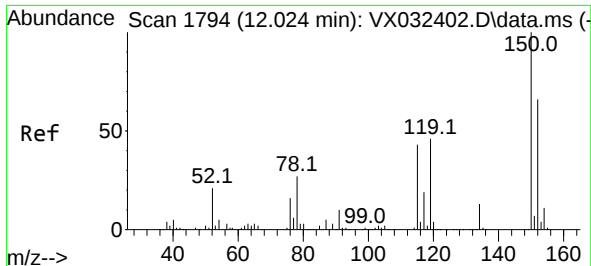
Tgt Ion:106 Resp: 97042
Ion Ratio Lower Upper
106 100
91 205.7 164.5 246.7



#69
o-Xylene
Concen: 0.456 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

Tgt Ion:106 Resp: 1199
Ion Ratio Lower Upper
106 100
91 240.6 109.2 327.6

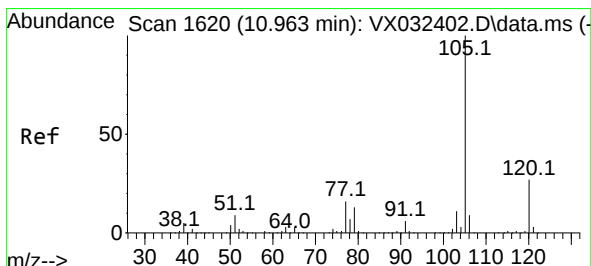
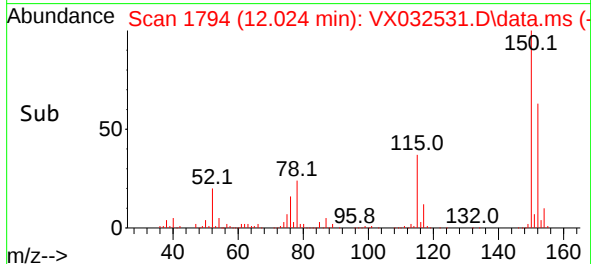
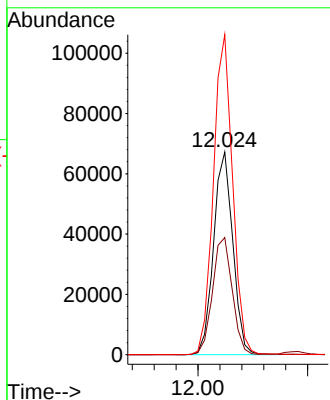
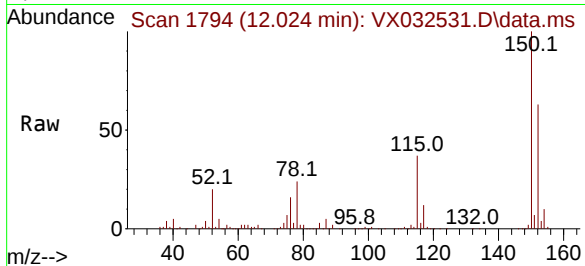




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

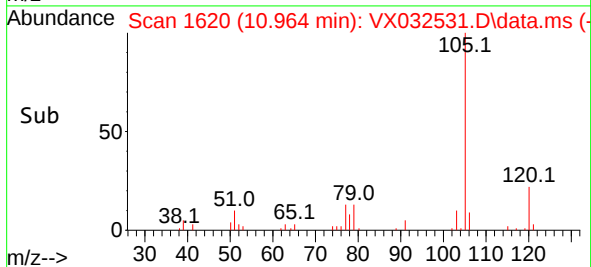
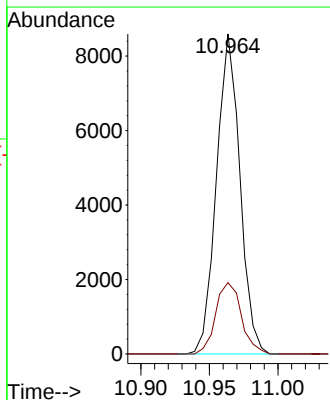
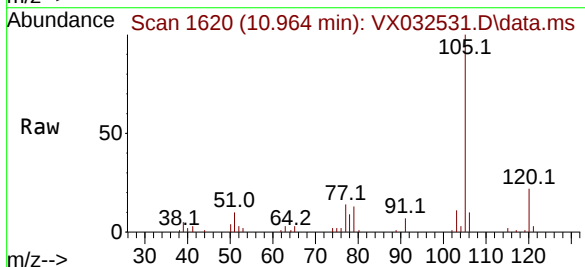
Instrument :
MSVOA_X
ClientSampleId :
MW3DL

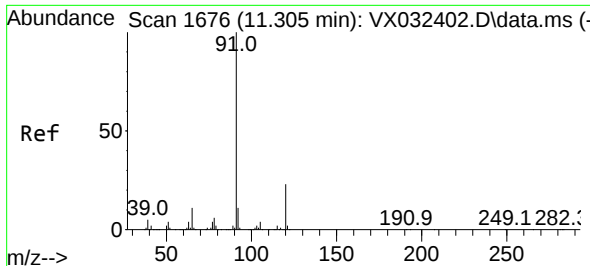
Tgt Ion:152 Resp: 81961
Ion Ratio Lower Upper
152 100
115 59.4 44.0 132.0
150 157.6 0.0 351.8



#73
Isopropylbenzene
Concen: 1.571 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

Tgt Ion:105 Resp: 10202
Ion Ratio Lower Upper
105 100
120 24.4 13.1 39.3

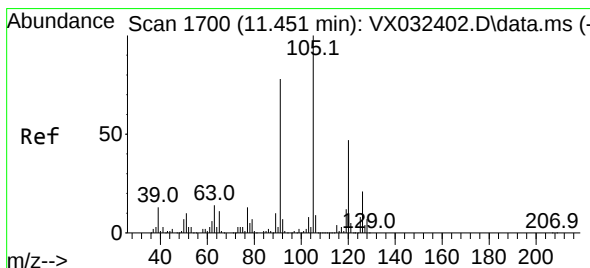
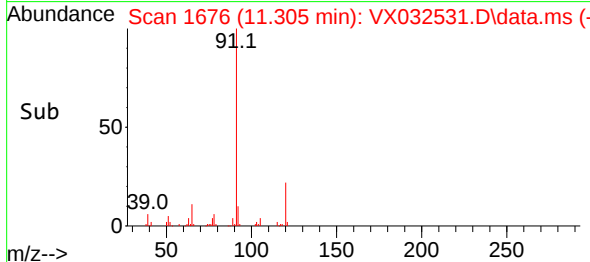
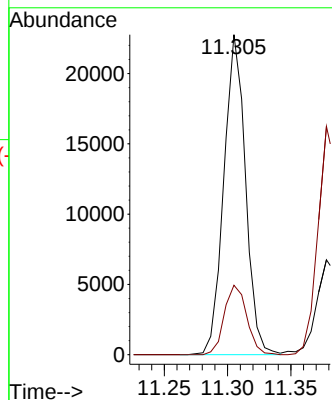
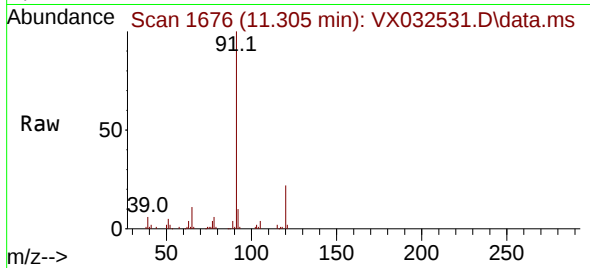




#78
n-propylbenzene
Concen: 3.620 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

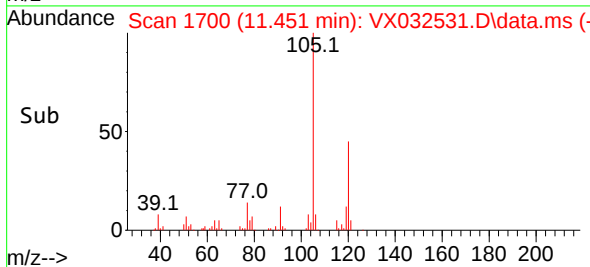
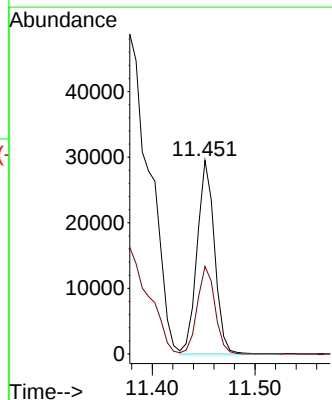
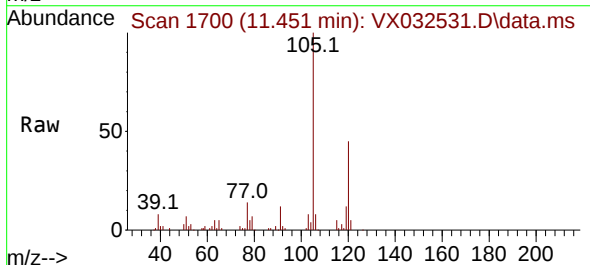
Instrument :
MSVOA_X
ClientSampleId :
MW3DL

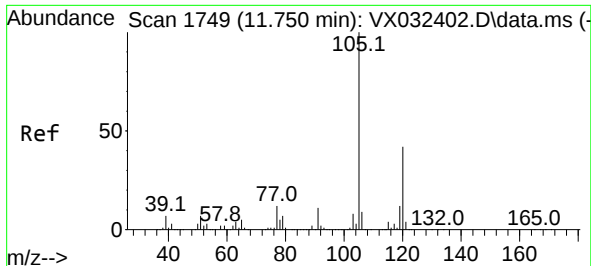
Tgt Ion: 91 Resp: 27091
Ion Ratio Lower Upper
91 100
120 22.5 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 6.276 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

Tgt Ion: 105 Resp: 34839
Ion Ratio Lower Upper
105 100
120 45.6 23.6 71.0

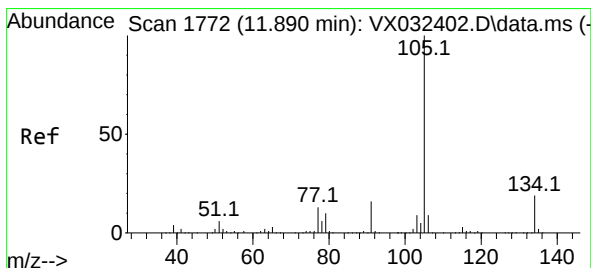
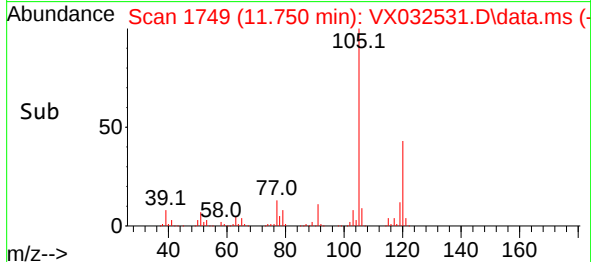
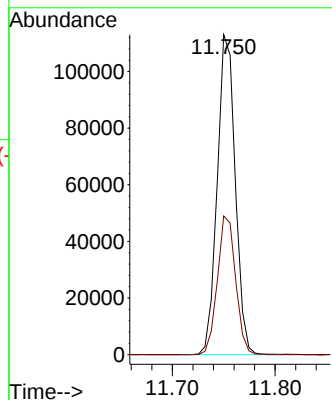
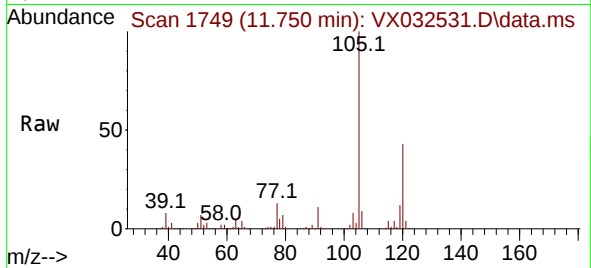




#84
1,2,4-Trimethylbenzene
Concen: 24.867 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

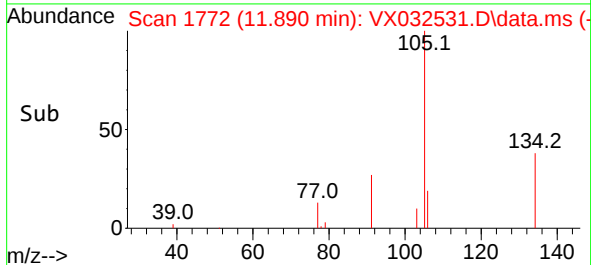
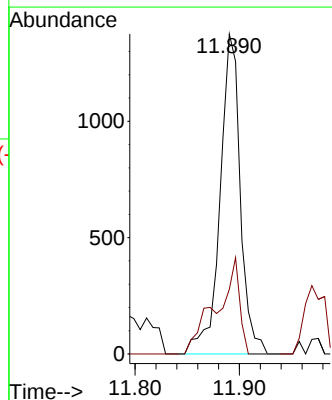
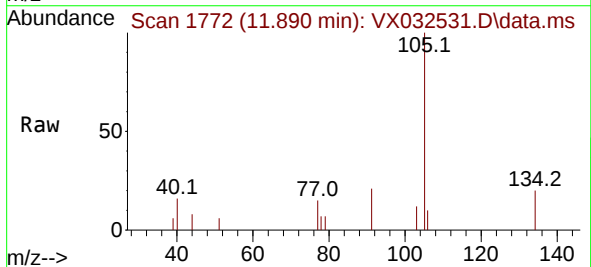
Instrument :
MSVOA_X
ClientSampleId :
MW3DL

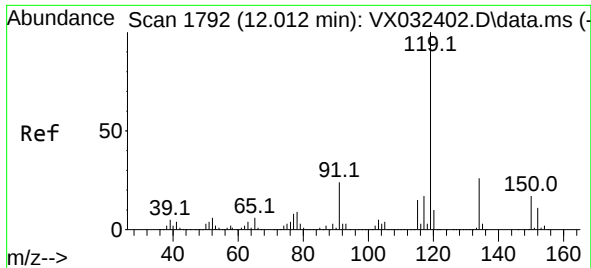
Tgt Ion:105 Resp: 137289
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.279 ug/l m
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

Tgt Ion:105 Resp: 1862
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7#

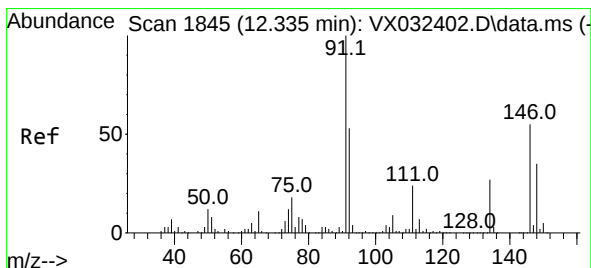
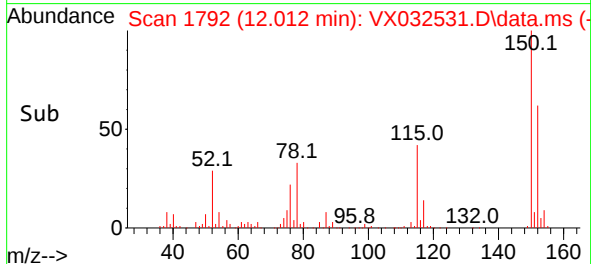
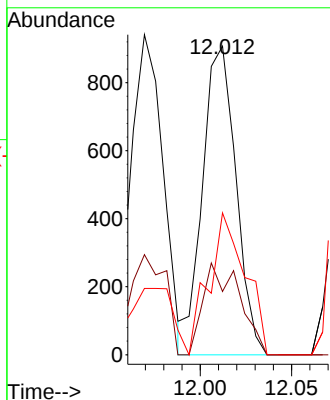
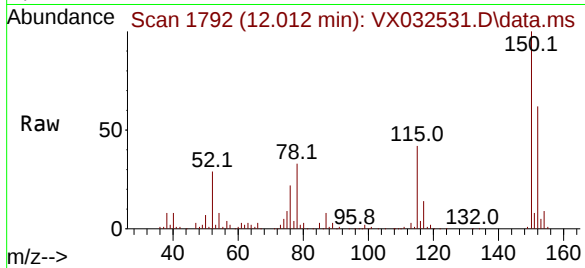




#86
p-Isopropyltoluene
Concen: 0.204 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.000 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

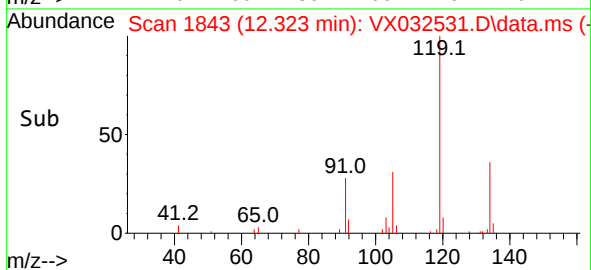
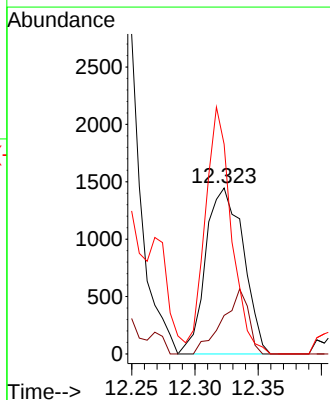
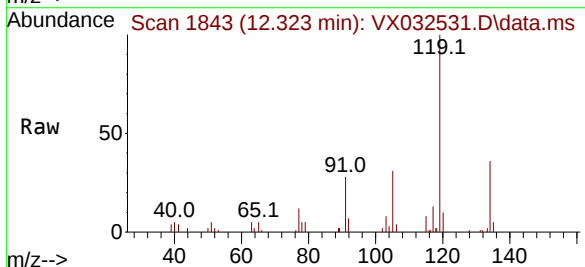
Instrument :
MSVOA_X
ClientSampleId :
MW3DL

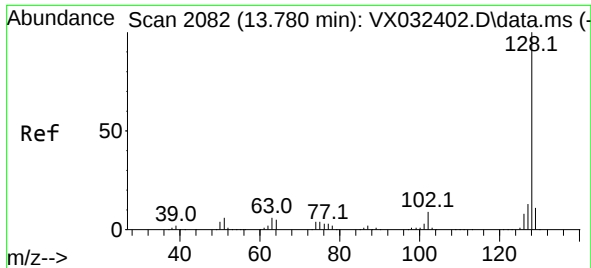
Tgt Ion:119 Resp: 1155
Ion Ratio Lower Upper
119 100
134 32.4 12.9 38.7
91 50.0 12.5 37.5#



#89
n-Butylbenzene
Concen: 0.608 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX032531.D
Acq: 02 Nov 2022 12:33

Tgt Ion: 91 Resp: 2995
Ion Ratio Lower Upper
91 100
92 26.9 26.2 78.6
134 103.2 12.9 38.6#





#95

Naphthalene

Concen: 2.599 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX032531.D

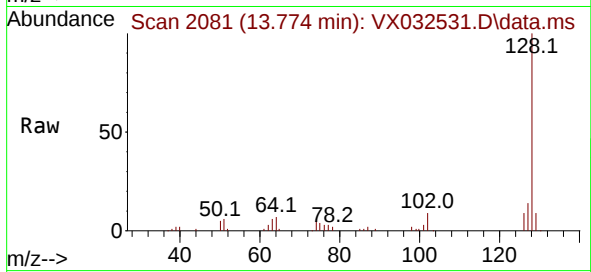
Acq: 02 Nov 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

MW3DL



Tgt Ion:128 Resp: 16723

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 9.8 8.9 13.3

