

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019508.D
 Acq On : 20 Nov 2020 20:09
 Operator : JC/MD
 Sample : L4772-02DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL

Quant Time: Nov 21 04:47:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	250495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	408544	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	356520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	161258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	153942	47.40	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.80%
35) Dibromofluoromethane	5.46	113	120218	46.88	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.76%
50) Toluene-d8	8.70	98	479949	48.16	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.32%
62) 4-Bromofluorobenzene	11.12	95	167836	46.81	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.62%

Target Compounds

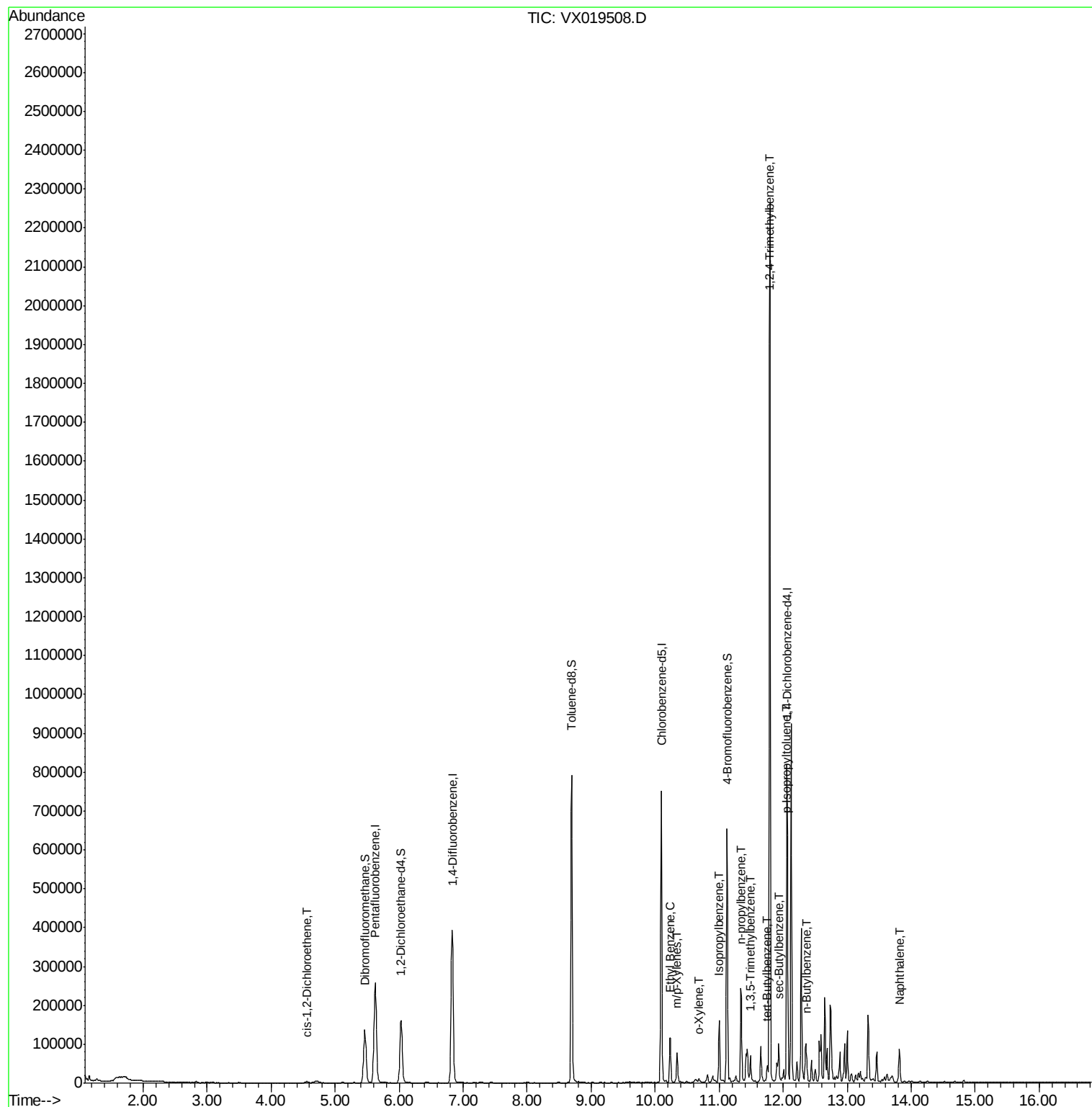
					Qvalue
27) cis-1,2-Dichloroethene	4.56	96	1834	0.567	ug/l 68
67) Ethyl Benzene	10.24	91	70532	5.493	ug/l 97
68) m/p-Xylenes	10.34	106	17473	3.652	ug/l 98
69) o-Xylene	10.68	106	1954	0.427	ug/l 94
73) Isopropylbenzene	11.00	105	83852	7.517	ug/l 99
78) n-propylbenzene	11.34	91	151187	11.814	ug/l 98
80) 1,3,5-Trimethylbenzene	11.49	105	28325	3.027	ug/l 100
83) tert-Butylbenzene	11.76	119	11752	1.298	ug/l 88
84) 1,2,4-Trimethylbenzene	11.79	105	956236	100.990	ug/l 99
85) sec-Butylbenzene	11.93	105	49637	4.609	ug/l 79
86) p-Isopropyltoluene	12.05	119	14750	1.508	ug/l 95
89) n-Butylbenzene	12.37	91	25667	2.903	ug/l # 70
95) Naphthalene	13.82	128	51821	6.345	ug/l 99

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

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Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampled :

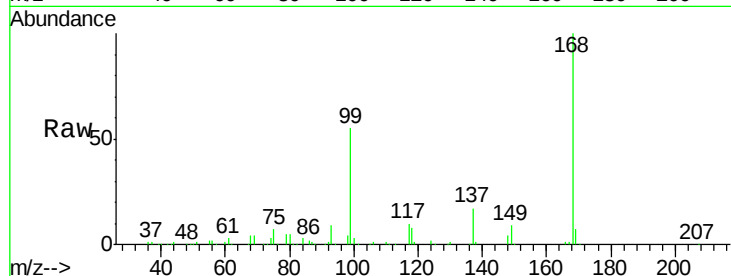
MW-4DL

Tot Ion:168 Resp: 250495

Ion Ratio Lower Upper

168 100

99 54.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

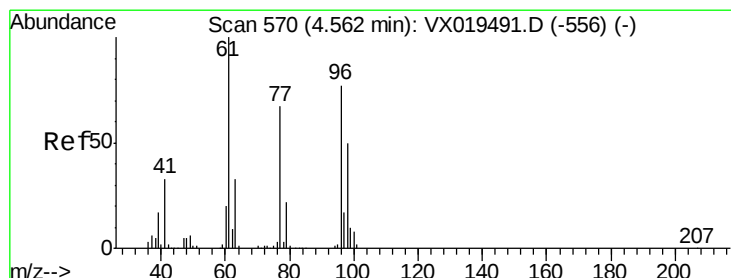
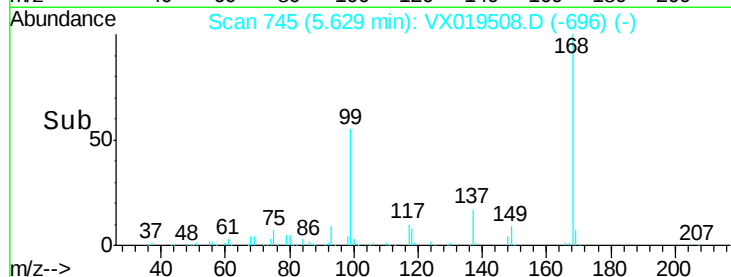
60000

40000

20000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.567 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

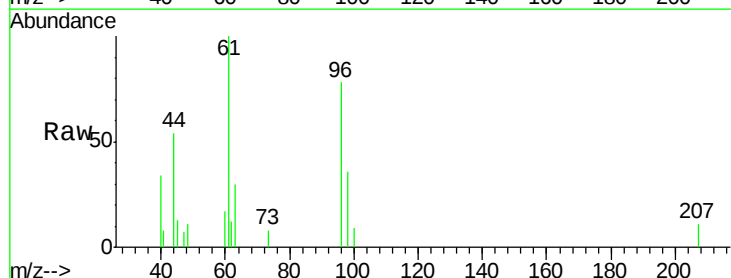
Tgt Ion: 96 Resp: 1834

Ion Ratio Lower Upper

96 100

61 193.5 0.0 279.2

98 61.1 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

1200

1000

800

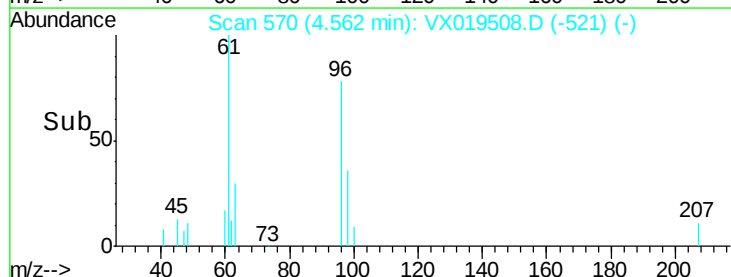
600

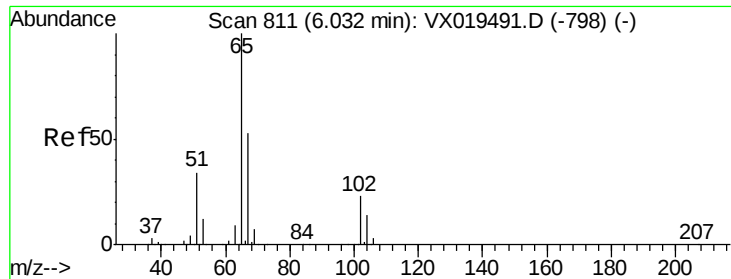
400

200

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.398 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

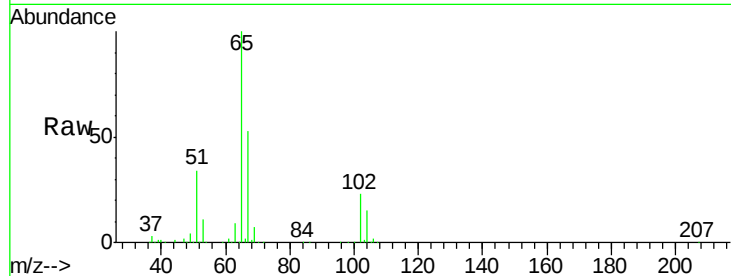
MW-4DL

Tot Ion: 65 Resp: 153942

Ion Ratio Lower Upper

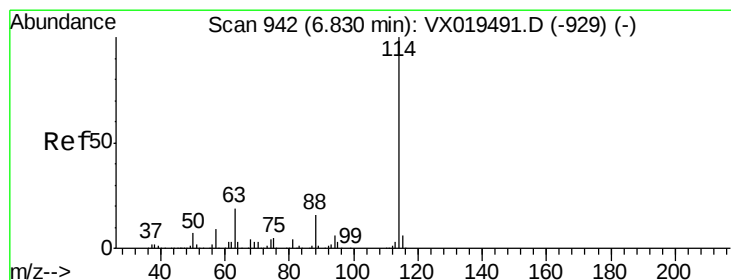
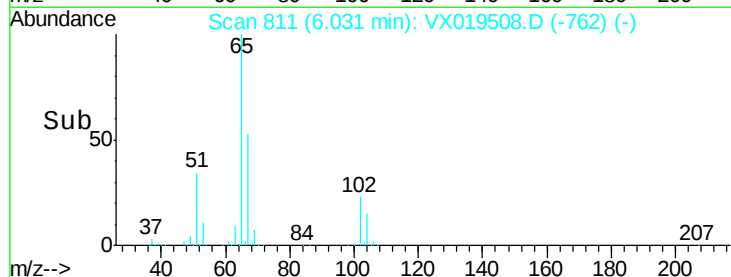
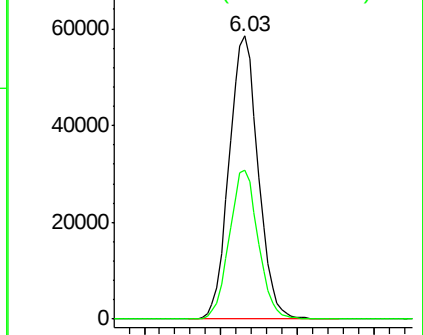
65 100

67 52.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

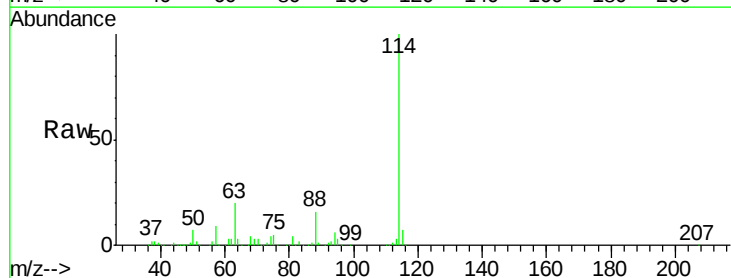
Tgt Ion: 114 Resp: 408544

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

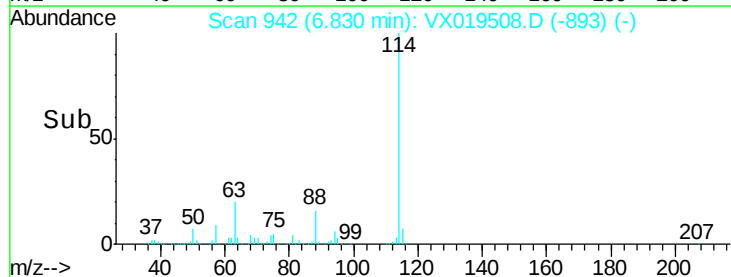
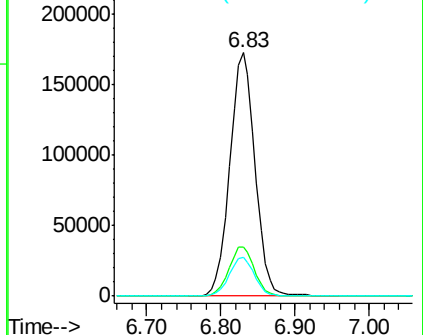
88 16.1 0.0 31.6

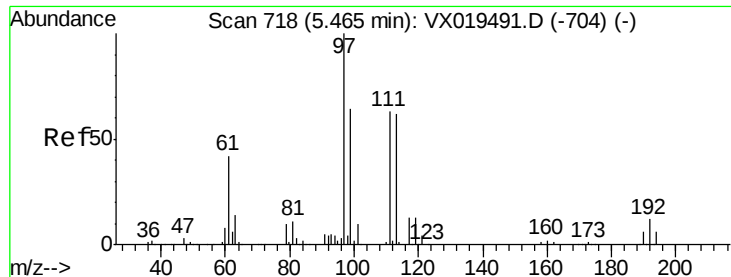


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

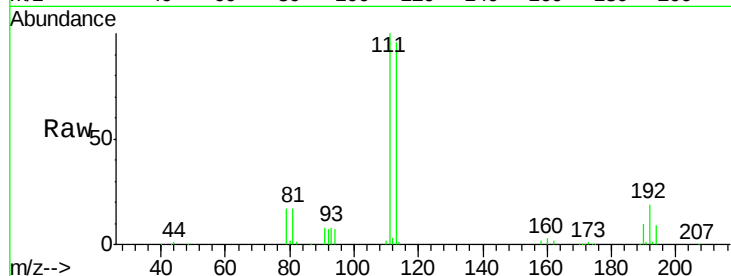




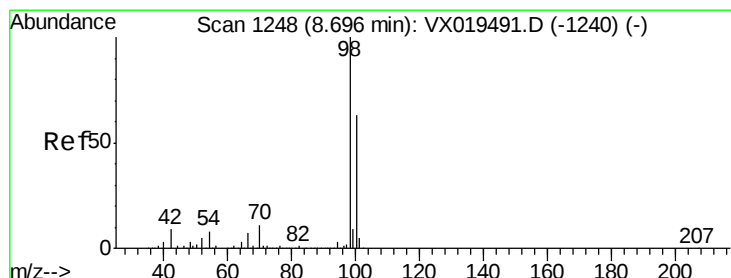
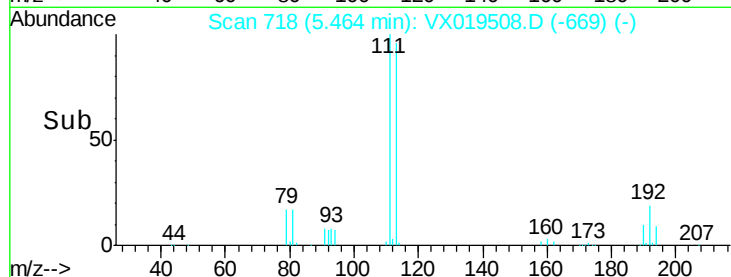
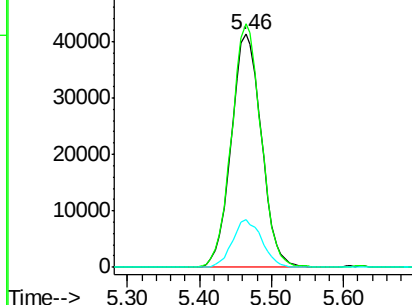
#35
 Dibromofluoromethane
 Concen: 46.879 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019508.D
 Acq: 20 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.5	122.3
192	20.0	16.2	24.2

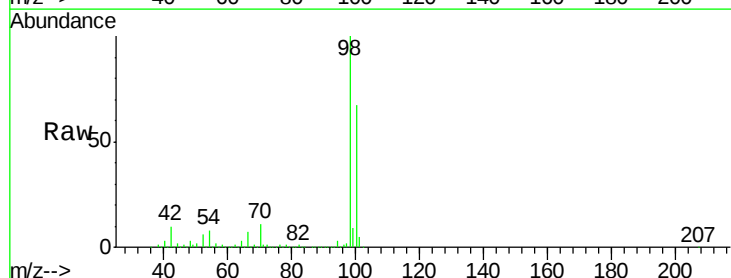


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

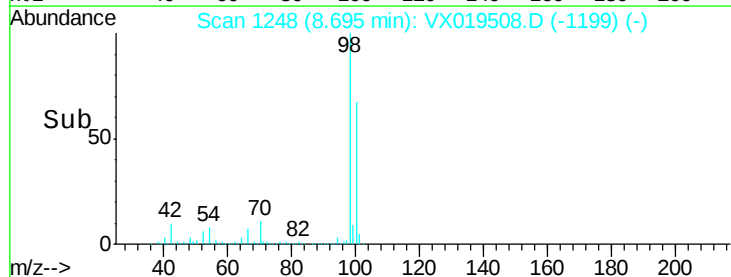
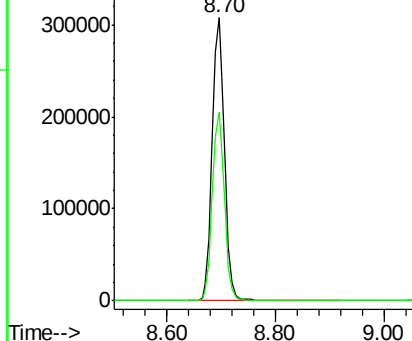


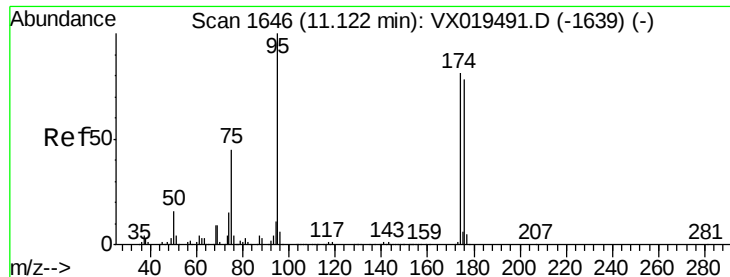
#50
 Toluene-d8
 Concen: 48.163 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX019508.D
 Acq: 20 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.4	78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.812 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

MW-4DL

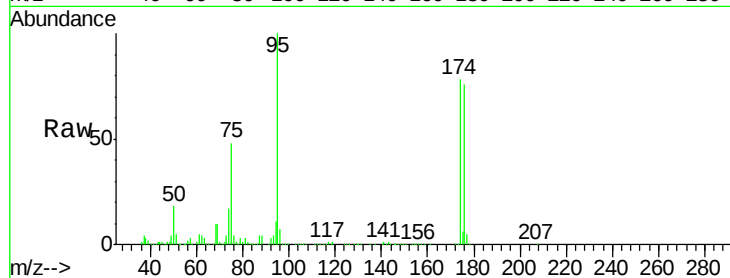
Tot Ion: 95 Resp: 167836

Ion Ratio Lower Upper

95 100

174 76.9 0.0 156.2

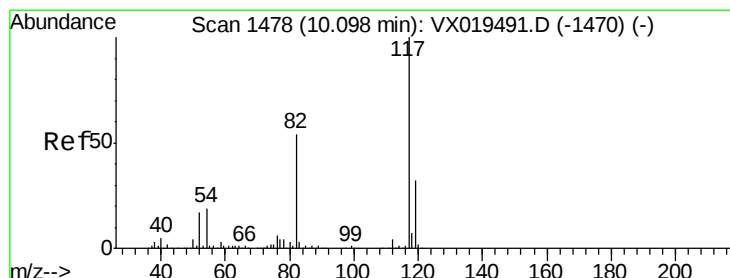
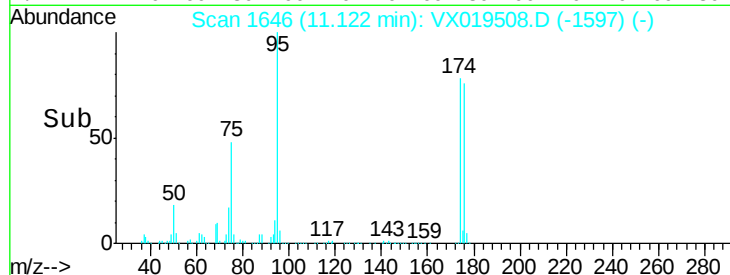
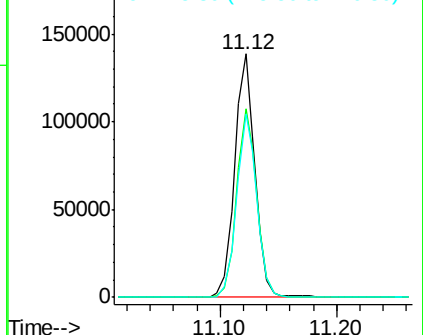
176 74.5 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX019508.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019508.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019508.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

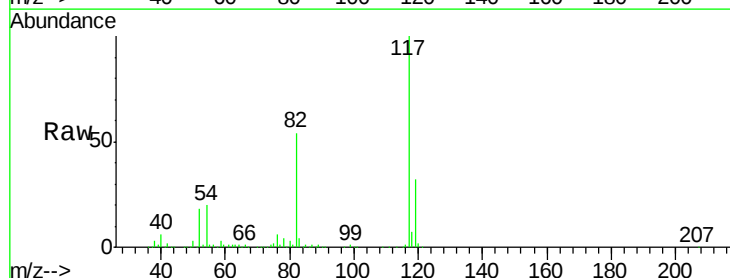
Tgt Ion: 117 Resp: 356520

Ion Ratio Lower Upper

117 100

82 54.4 43.0 64.4

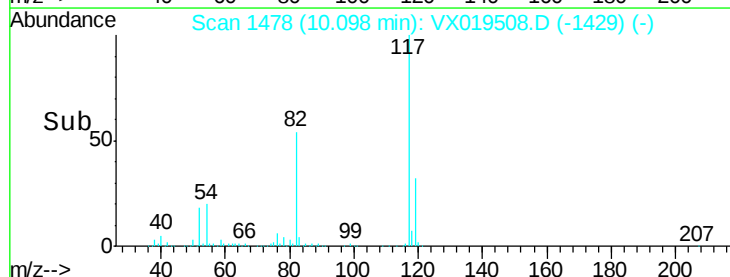
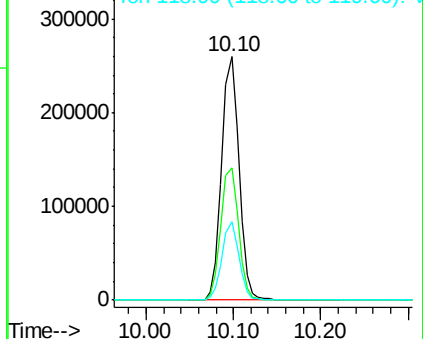
119 32.4 25.6 38.4

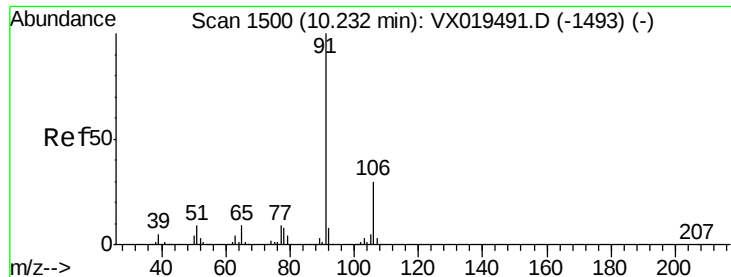


Abundance Ion 116.90 (116.60 to 117.60): VX019508.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX019508.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX019508.D (-1429) (-)

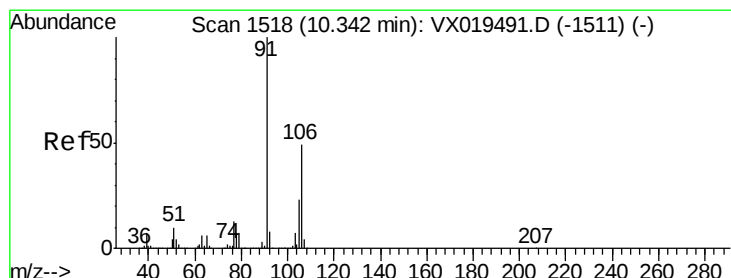
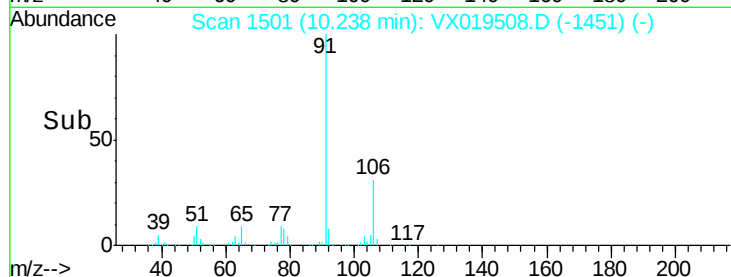
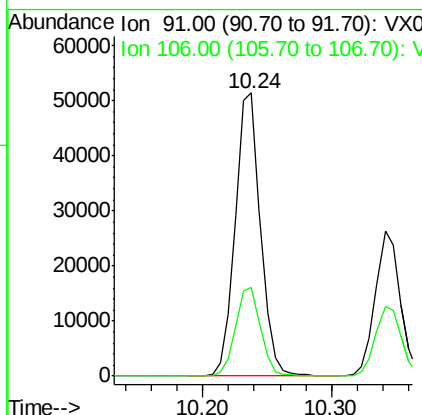
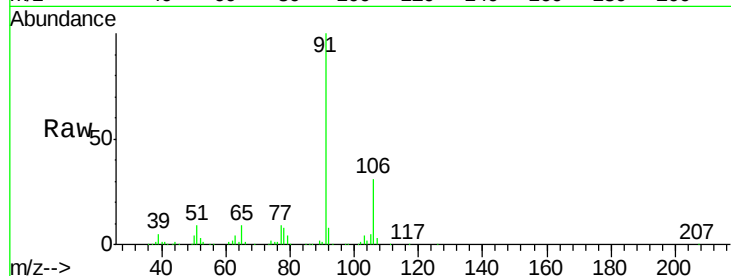




#67
Ethyl Benzene
Concen: 5.493 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019508.D
Acq: 20 Nov 2020 20:09

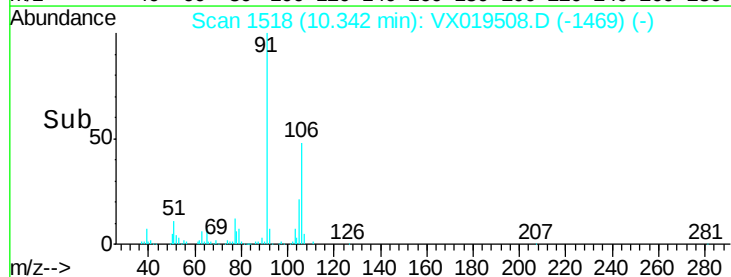
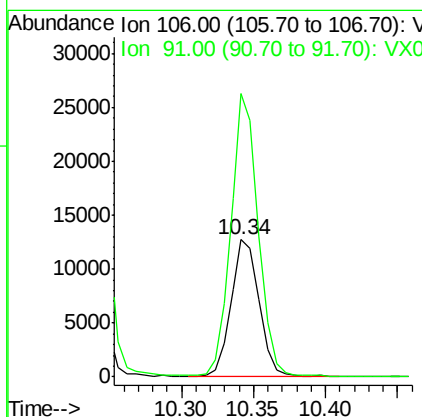
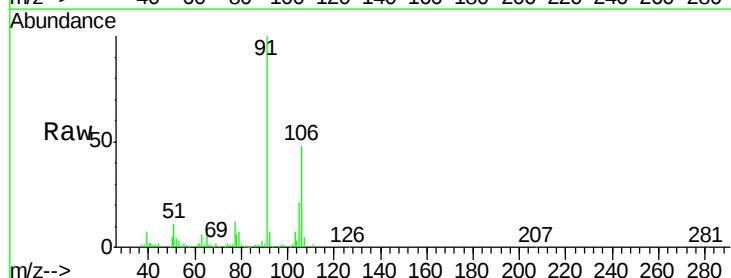
Instrument :
MSVOA_X
ClientSampled :
MW-4DL

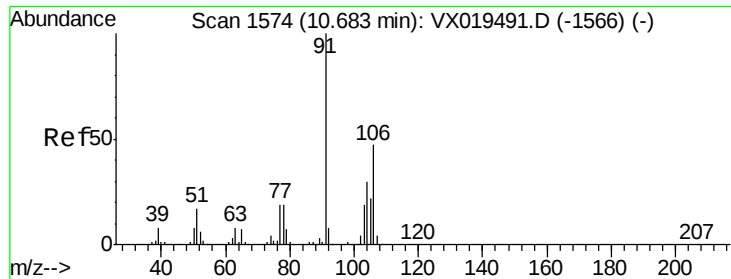
Tot Ion: 91 Resp: 70532
Ion Ratio Lower Upper
91 100
106 31.4 24.0 36.0



#68
m/p-Xylenes
Concen: 3.652 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019508.D
Acq: 20 Nov 2020 20:09

Tgt Ion: 106 Resp: 17473
Ion Ratio Lower Upper
106 100
91 201.3 163.3 244.9

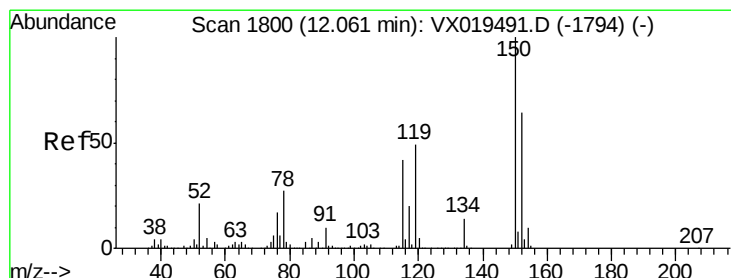
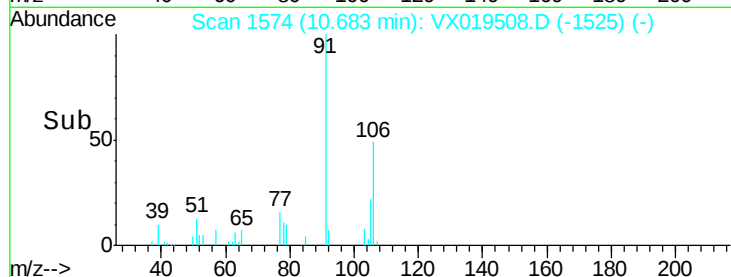
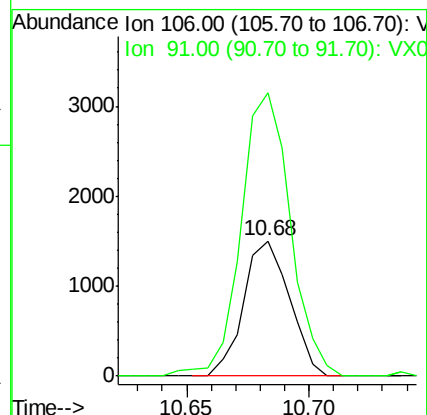
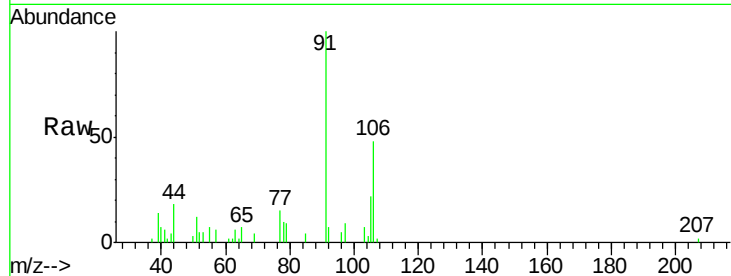




#69
o-Xylene
Concen: 0.427 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019508.D
Acq: 20 Nov 2020 20:09

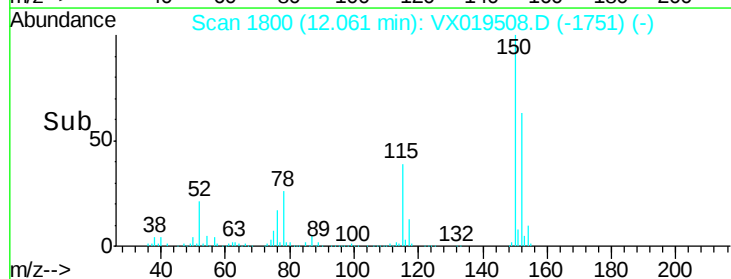
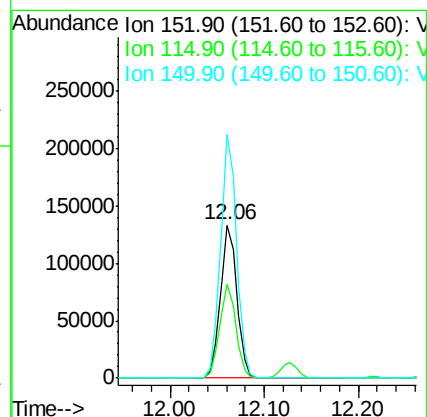
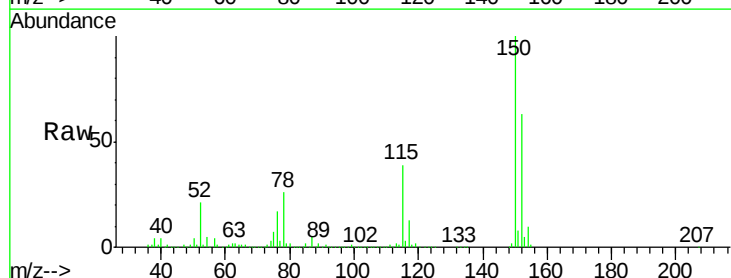
Instrument :
MSVOA_X
ClientSampled :
MW-4DL

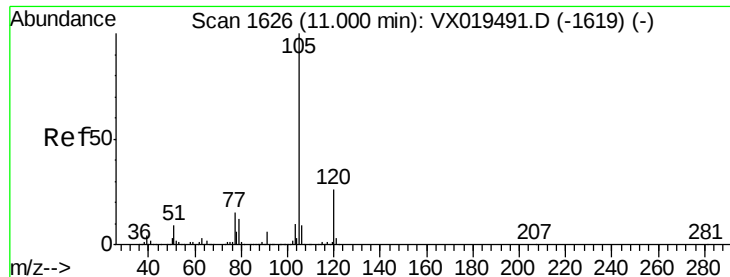
Tot Ion:106 Resp: 1954
Ion Ratio Lower Upper
106 100
91 224.9 108.0 324.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019508.D
Acq: 20 Nov 2020 20:09

Tgt Ion:152 Resp: 161258
Ion Ratio Lower Upper
152 100
115 60.8 41.8 125.4
150 155.9 0.0 348.2





#73

Isopropylbenzene

Concen: 7.517 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampled :

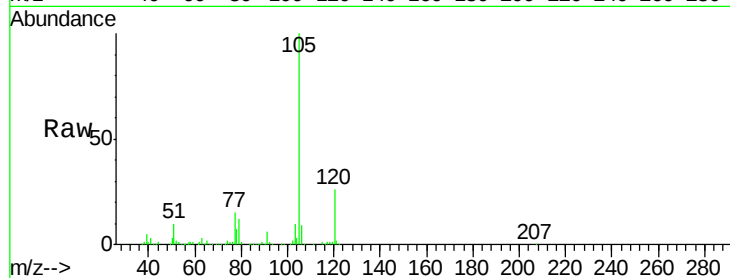
MW-4DL

Tot Ion:105 Resp: 83852

Ion Ratio Lower Upper

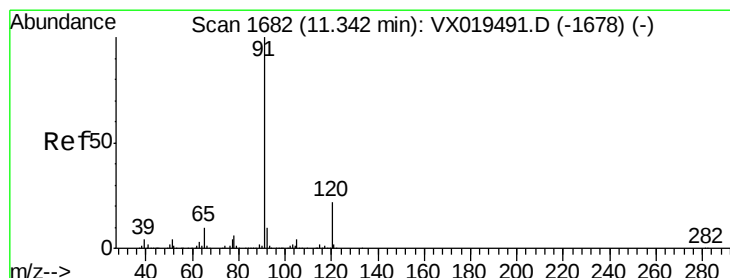
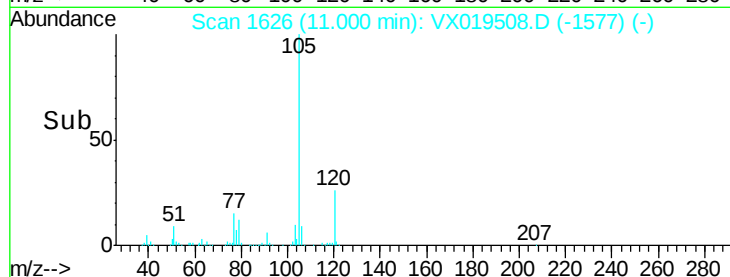
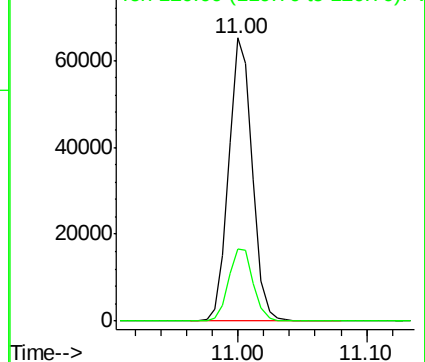
105 100

120 26.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 11.814 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019508.D

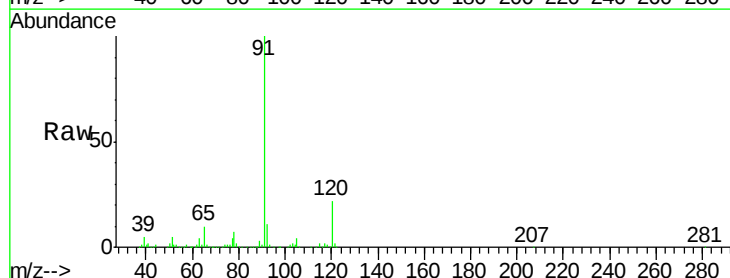
Acq: 20 Nov 2020 20:09

Tgt Ion: 91 Resp: 151187

Ion Ratio Lower Upper

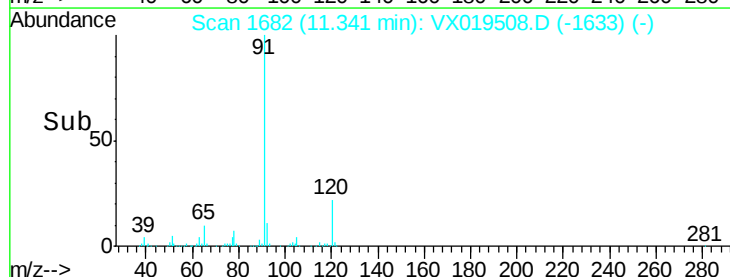
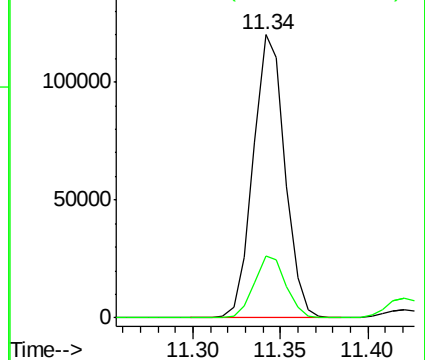
91 100

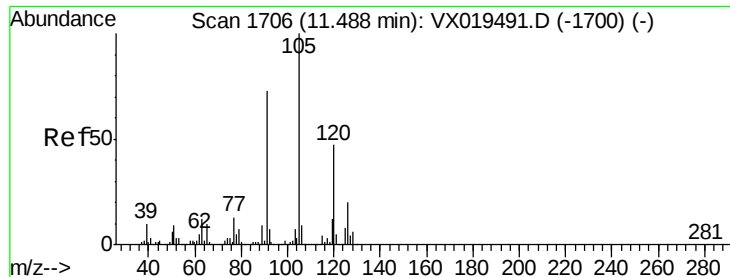
120 22.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 3.027 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampled :

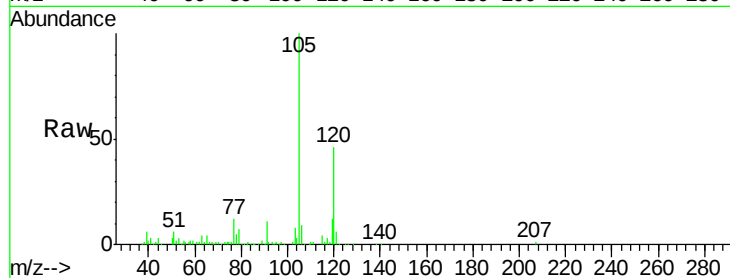
MW-4DL

Tot Ion:105 Resp: 28325

Ion Ratio Lower Upper

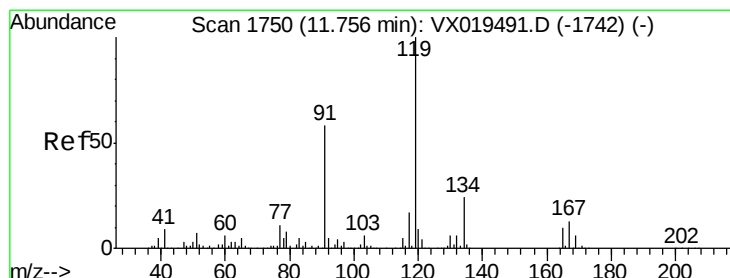
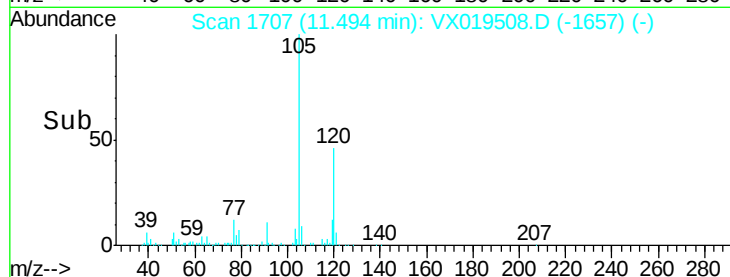
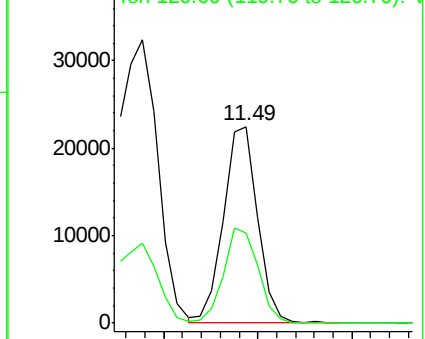
105 100

120 48.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 1.298 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

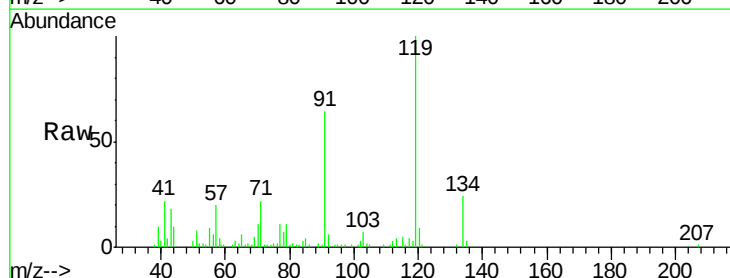
Tgt Ion:119 Resp: 11752

Ion Ratio Lower Upper

119 100

91 69.4 28.9 86.8

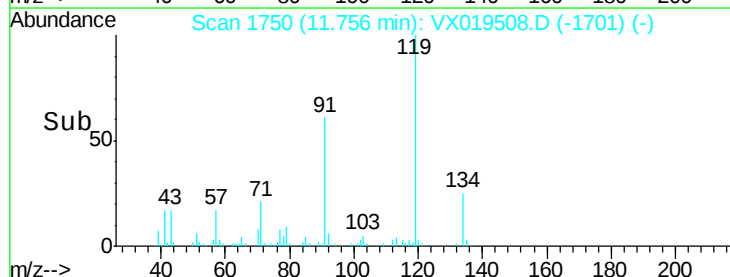
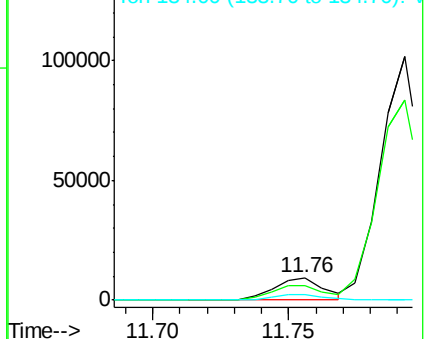
134 24.9 11.7 35.0

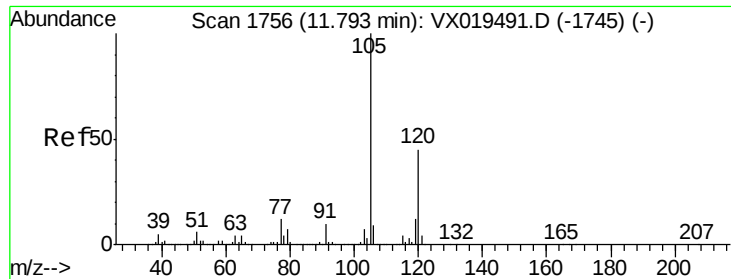


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

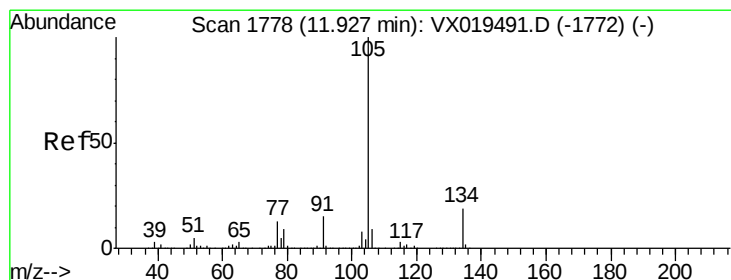
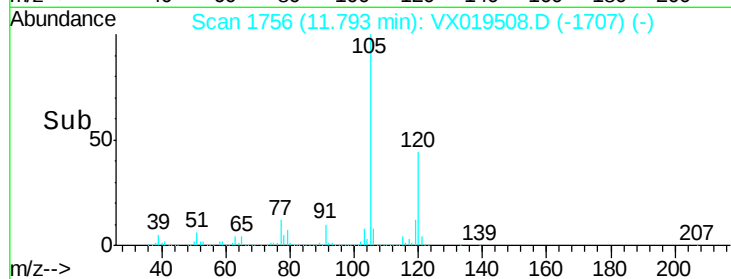
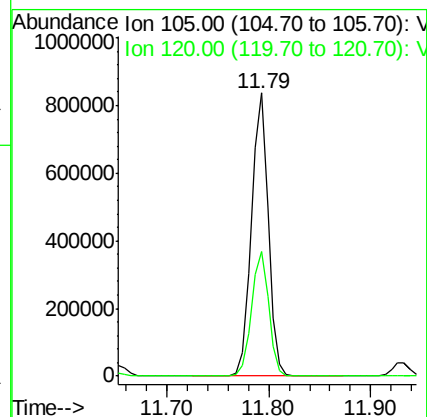
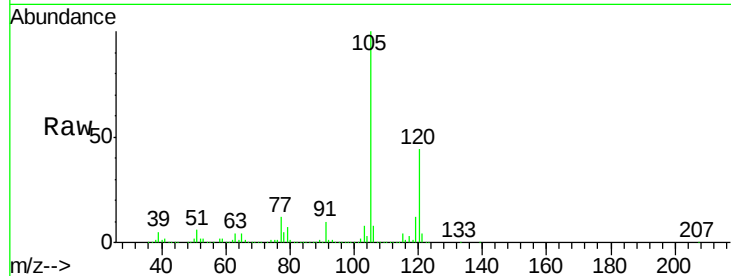




#84
 1,2,4-Trimethylbenzene
 Concen: 100.990 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019508.D
 Acq: 20 Nov 2020 20:09

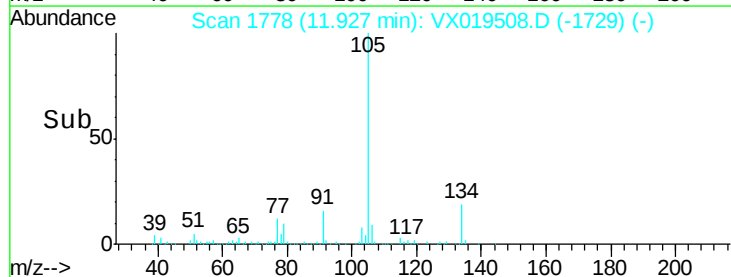
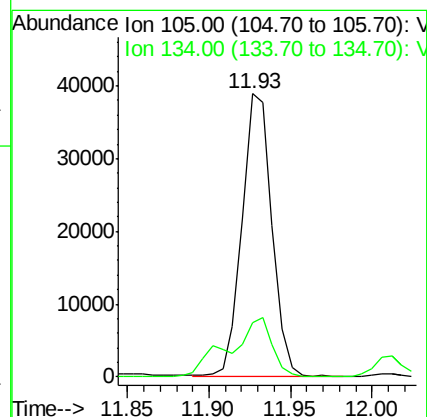
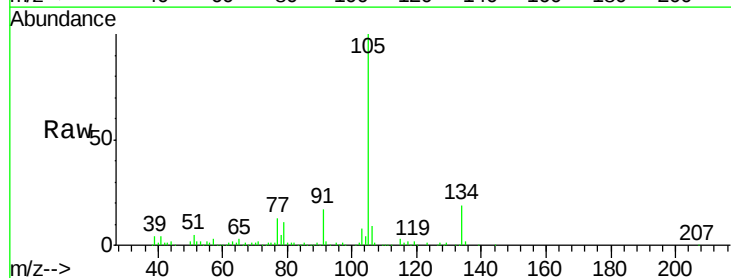
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL

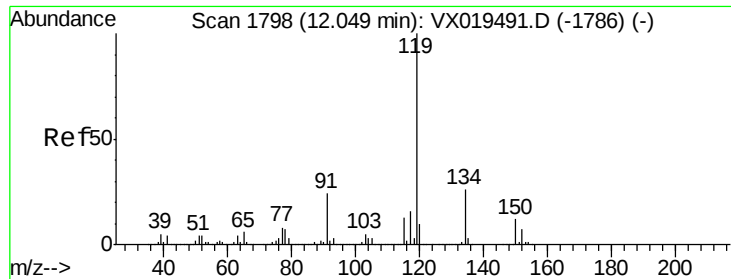
Tot Ion:105 Resp: 956236
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 4.609 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019508.D
 Acq: 20 Nov 2020 20:09

Tgt Ion:105 Resp: 49637
 Ion Ratio Lower Upper
 105 100
 134 30.1 10.1 30.3

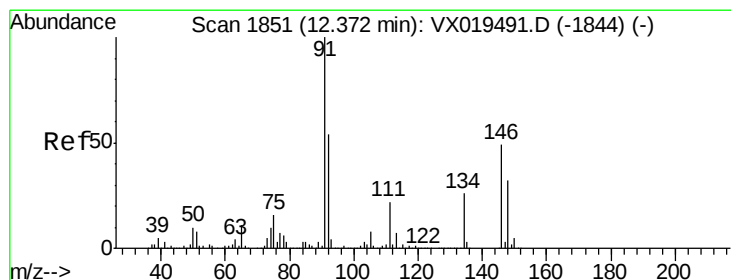
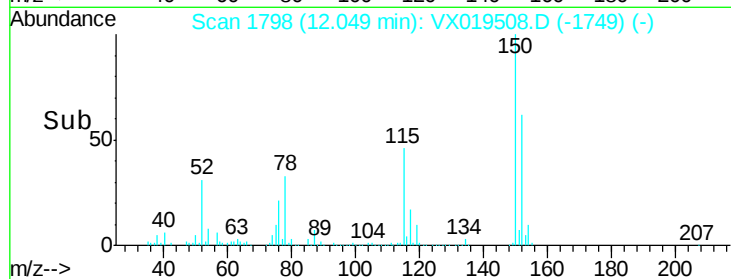
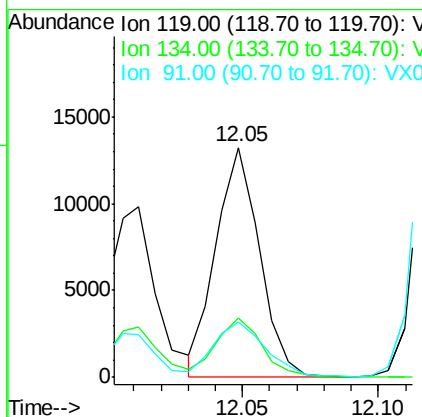
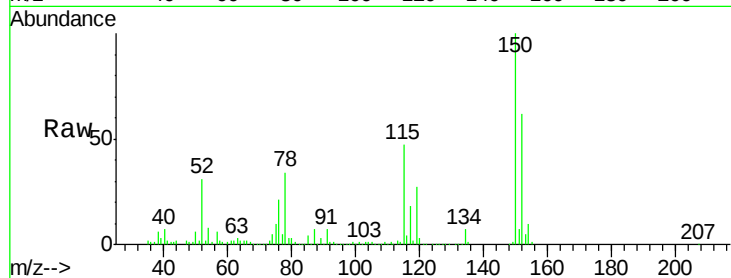




#86
 p-Isopropyltoluene
 Concen: 1.508 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019508.D
 Acq: 20 Nov 2020 20:09

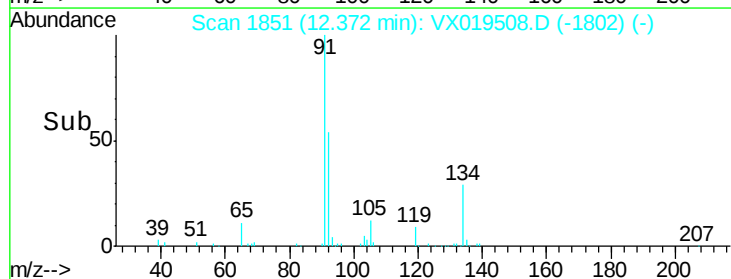
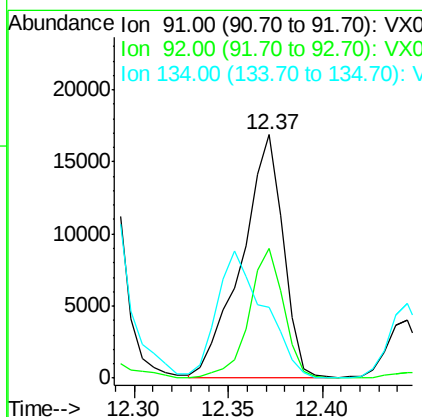
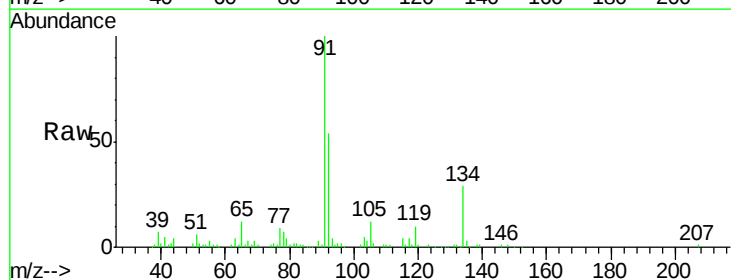
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4DL

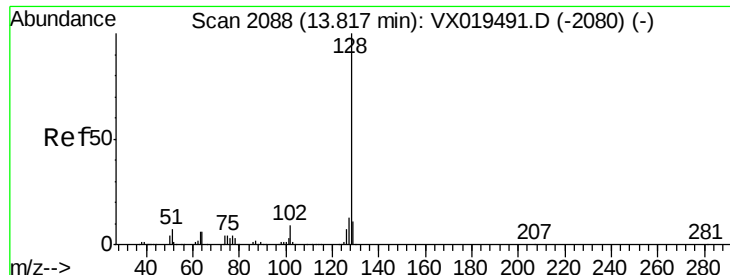
Tot Ion:119 Resp: 14750
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.1 39.3
 91 27.9 11.8 35.4



#89
 n-Butylbenzene
 Concen: 2.903 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019508.D
 Acq: 20 Nov 2020 20:09

Tgt Ion: 91 Resp: 25667
 Ion Ratio Lower Upper
 91 100
 92 44.8 26.9 80.6
 134 59.8 12.9 38.6#





#95

Naphthalene

Concen: 6.345 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019508.D

Acq: 20 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

MW-4DL

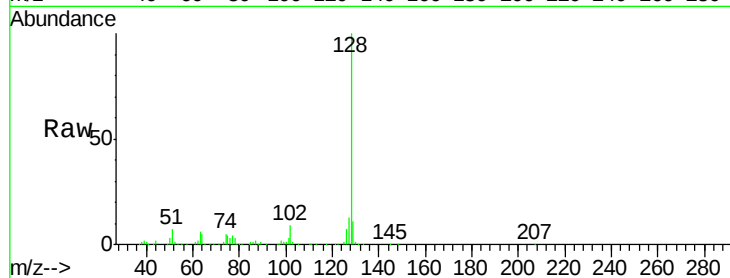
Tot Ion:128 Resp: 51821

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 11.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

