

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019101.D
 Acq On : 24 Oct 2020 02:59
 Operator : JC/SP
 Sample : L4417-21DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3DL

Quant Time: Oct 26 06:15:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

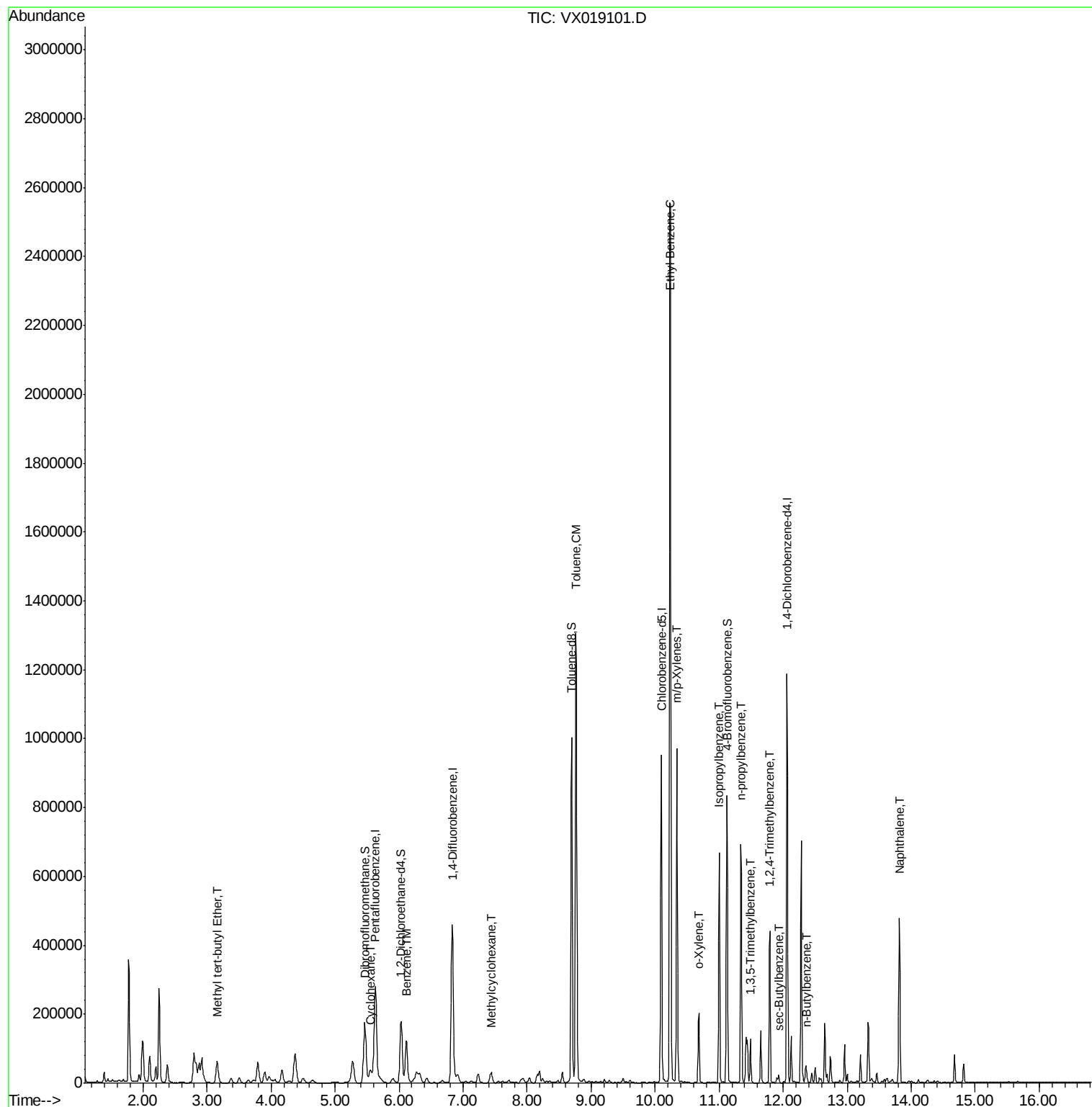
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	281245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	487547	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	464274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	239188	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	170655	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
35) Dibromofluoromethane	5.46	113	149492	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
50) Toluene-d8	8.70	98	607670	51.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.12	95	218537	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	3.17	73	26359	3.040	ug/l #	1
31) Cyclohexane	5.55	56	26841	6.804	ug/l	95
39) Methylcyclohexane	7.44	83	14801	3.020	ug/l	91
40) Benzene	6.12	78	153915	11.946	ug/l	99
52) Toluene	8.76	92	514848	60.500	ug/l	99
67) Ethyl Benzene	10.24	91	1574858	93.815	ug/l	98
68) m/p-Xylenes	10.34	106	227993	35.455	ug/l	98
69) o-Xylene	10.68	106	46196	7.506	ug/l	99
73) Isopropylbenzene	11.00	105	346831	20.157	ug/l	99
78) n-propylbenzene	11.34	91	431222	22.117	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	57185	4.025	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	193444	13.596	ug/l	99
85) sec-Butylbenzene	11.93	105	12037	0.711	ug/l	97
89) n-Butylbenzene	12.37	91	12559	0.887	ug/l #	59
95) Naphthalene	13.82	128	299554	17.509	ug/l	100

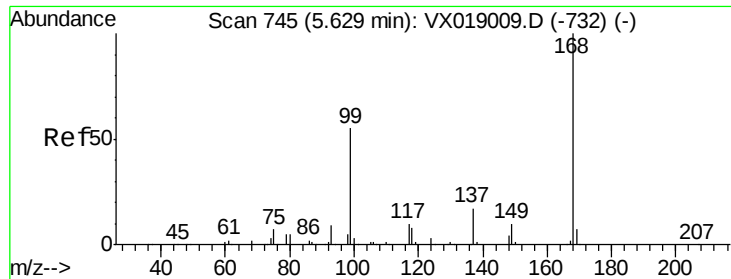
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 26 06:15:58 2020
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Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

Instrument :

MSVOA_X

ClientSampleId :

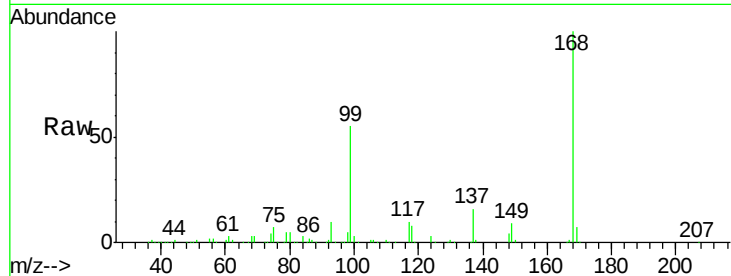
MW-3DL

Tot Ion:168 Resp: 281245

Ion Ratio Lower Upper

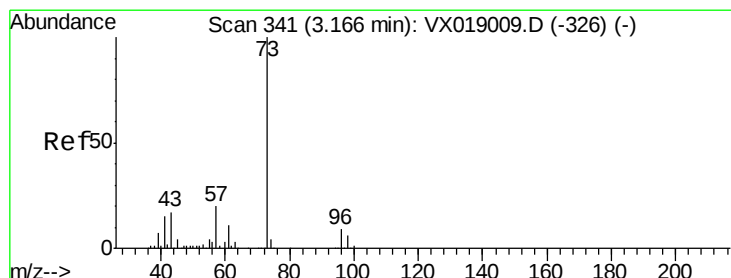
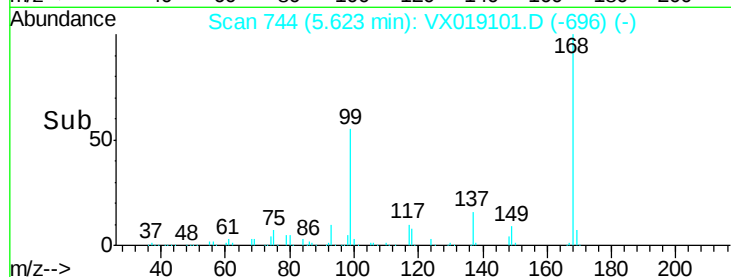
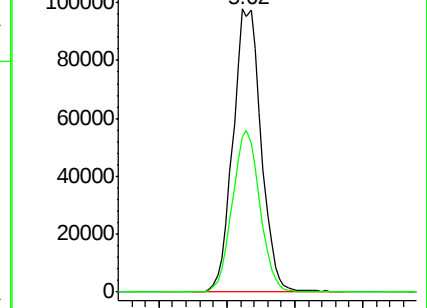
168 100

99 55.0 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#19

Methyl tert-butyl Ether

Concen: 3.040 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX019101.D

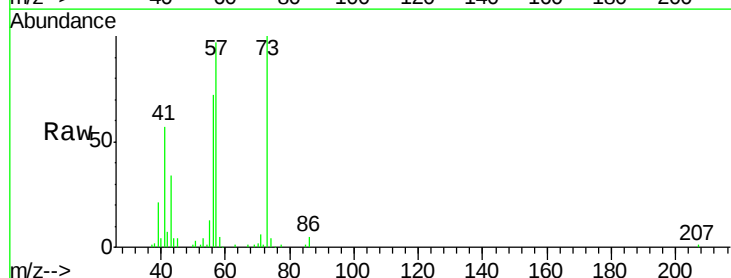
Acq: 24 Oct 2020 02:59

Tgt Ion: 73 Resp: 26359

Ion Ratio Lower Upper

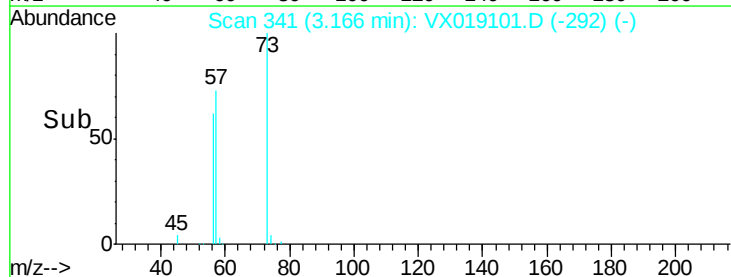
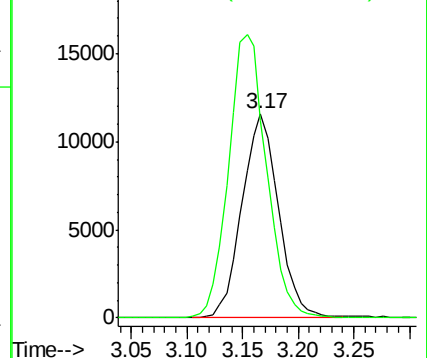
73 100

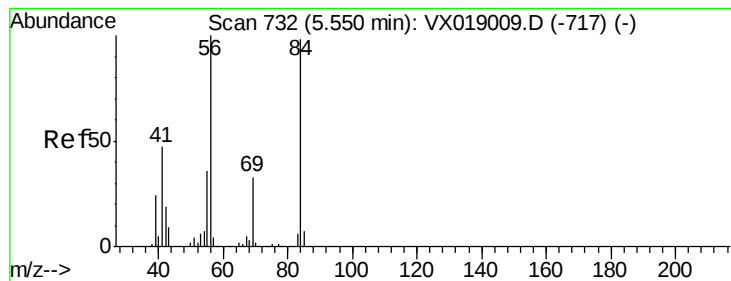
57 96.7 16.2 24.2#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#31

Cyclohexane

Concen: 6.804 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

Instrument :

MSVOA_X

ClientSampled :

MW-3DL

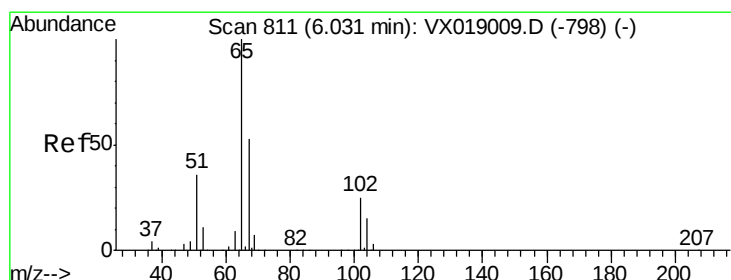
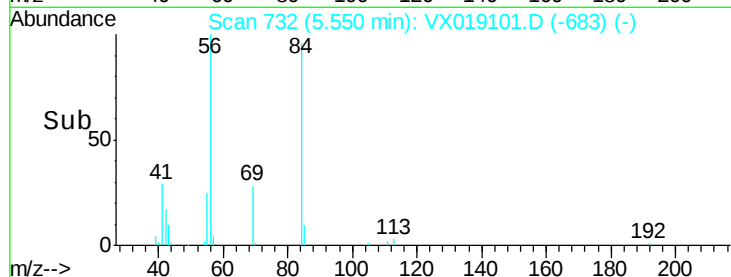
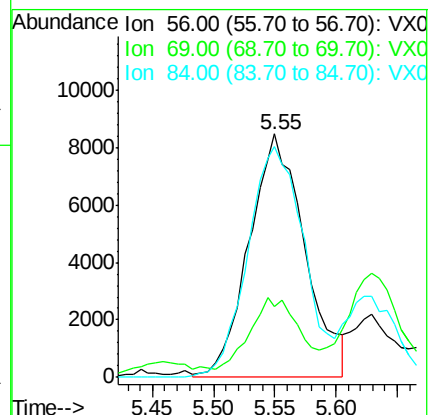
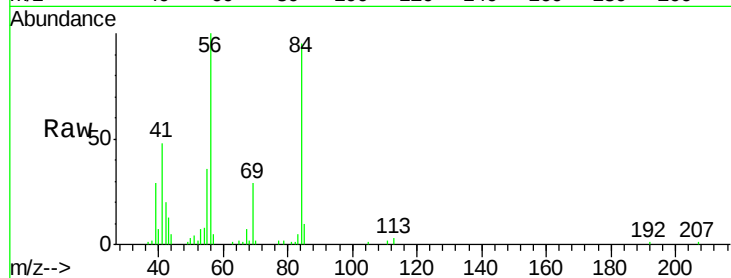
Tot Ion: 56 Resp: 26841

Ion Ratio Lower Upper

56 100

69 26.2 26.2 39.2

84 95.3 78.3 117.5



#33

1,2-Dichloroethane-d4

Concen: 50.657 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019101.D

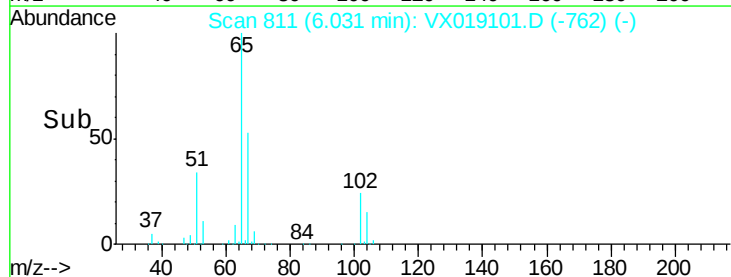
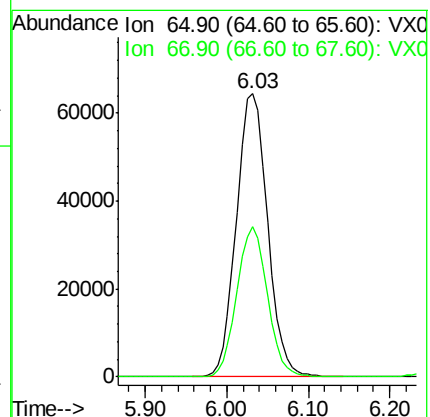
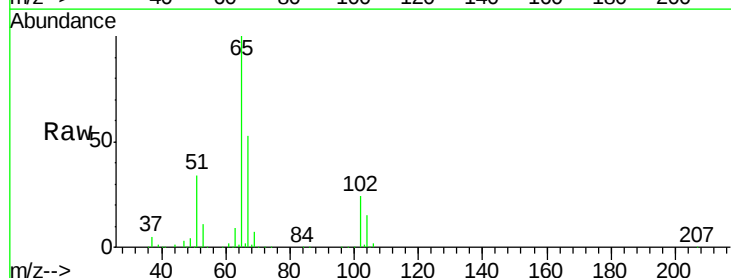
Acq: 24 Oct 2020 02:59

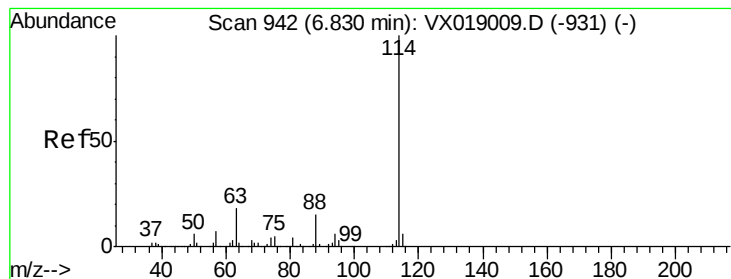
Tgt Ion: 65 Resp: 170655

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

Instrument :

MSVOA_X

ClientSampled :

MW-3DL

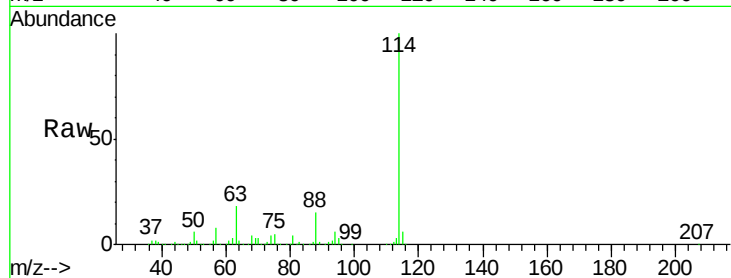
Tot Ion:114 Resp: 487547

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.8

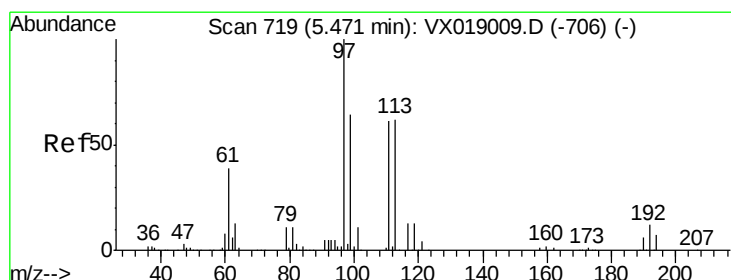
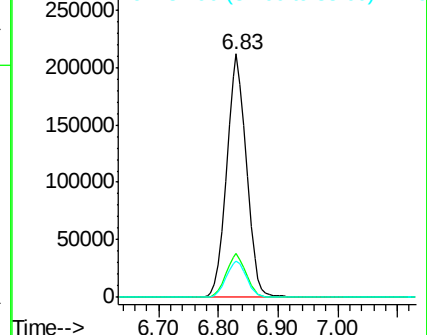
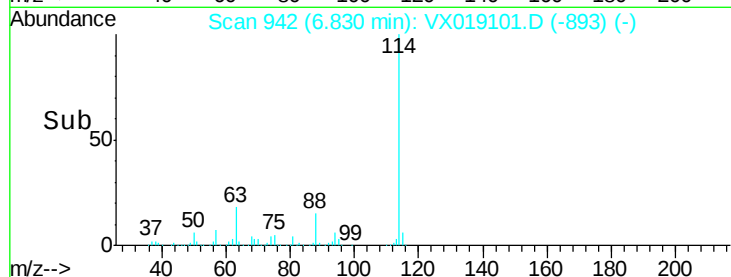
88 15.0 0.0 30.2



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: 48.429 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

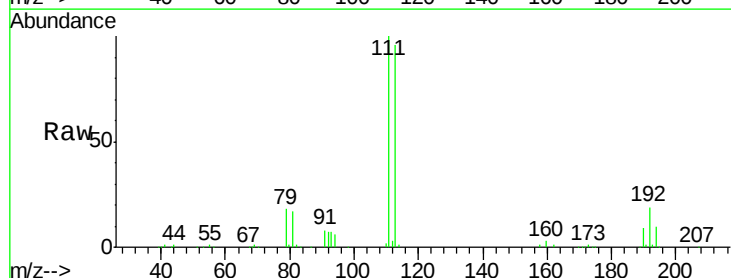
Tgt Ion:113 Resp: 149492

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

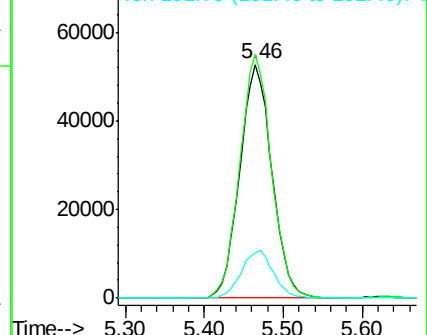
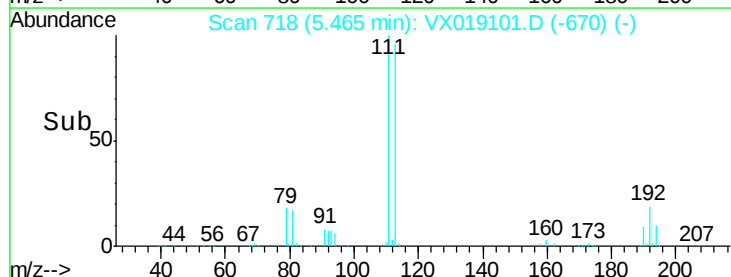
192 20.2 16.3 24.5

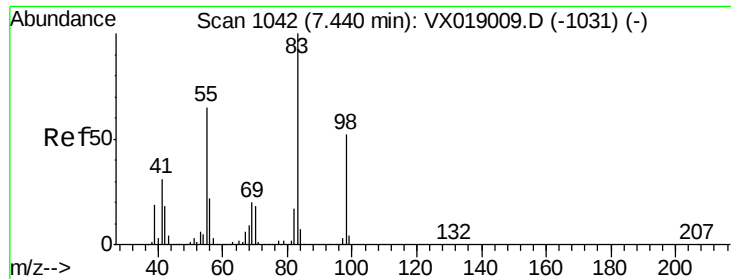


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

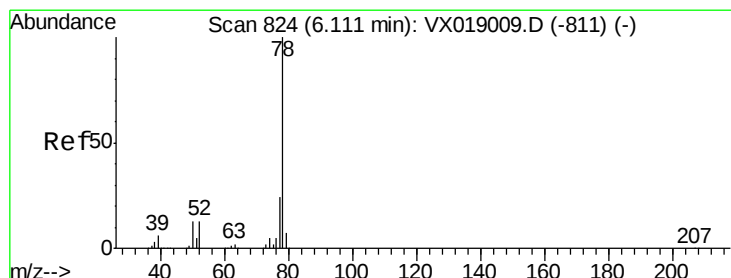
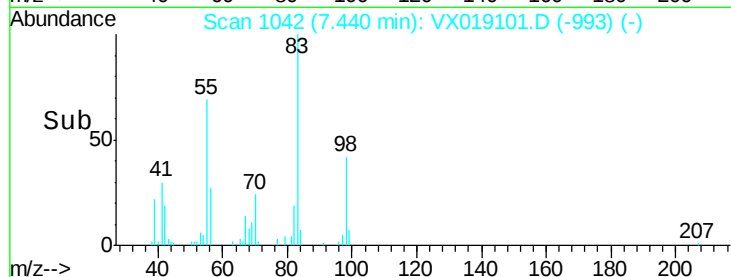
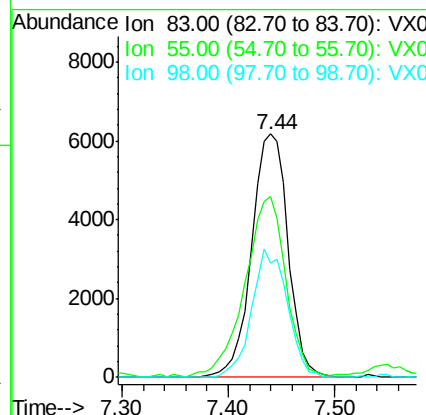
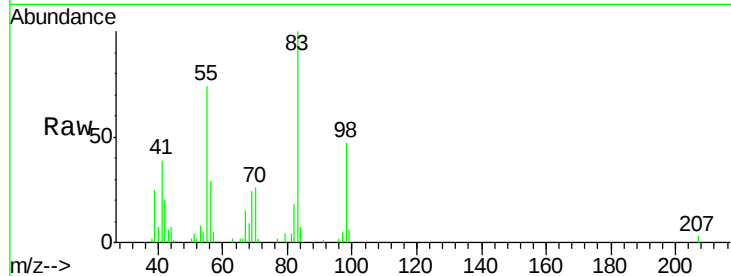




#39
Methvlcvclohexane
Concen: 3.020 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX019101.D
Acq: 24 Oct 2020 02:59

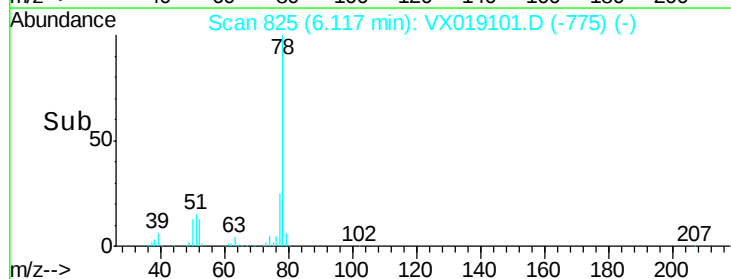
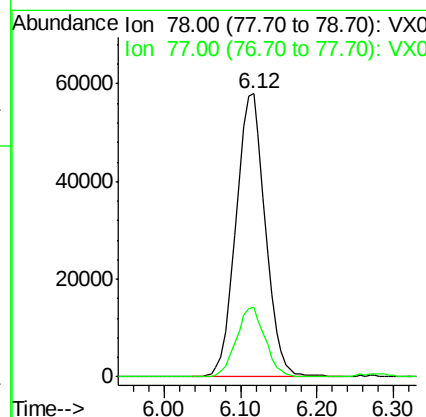
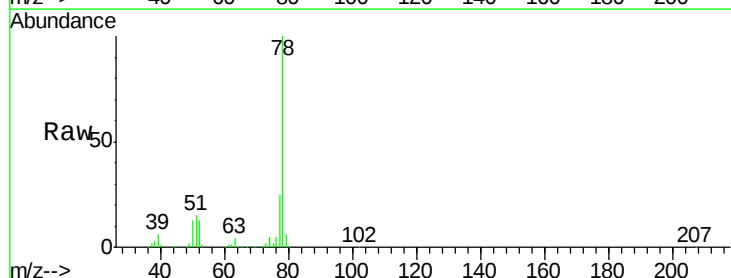
Instrument :
MSVOA_X
ClientSampled :
MW-3DL

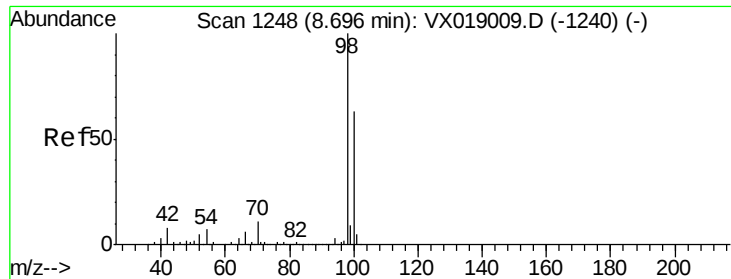
Tot Ion: 83 Resp: 14801
Ion Ratio Lower Upper
83 100
55 73.0 51.8 77.6
98 47.0 41.4 62.2



#40
Benzene
Concen: 11.946 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019101.D
Acq: 24 Oct 2020 02:59

Tgt Ion: 78 Resp: 153915
Ion Ratio Lower Upper
78 100
77 24.7 19.3 28.9

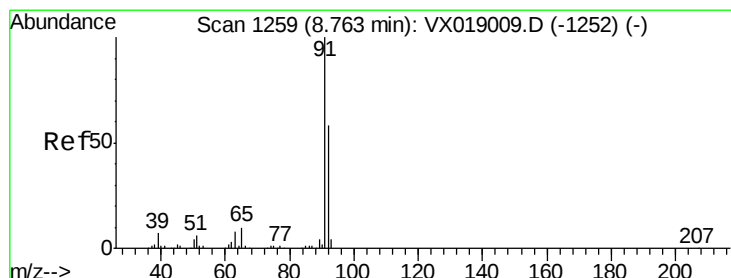
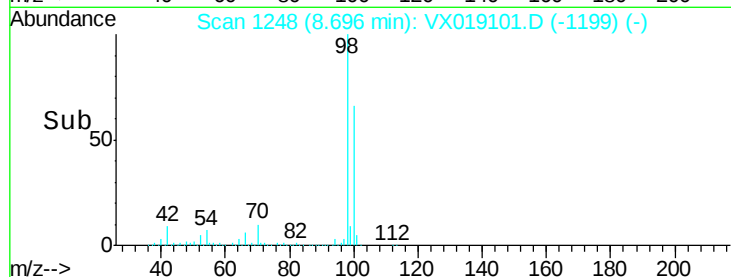
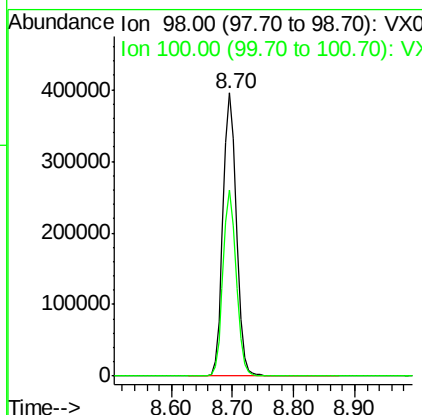
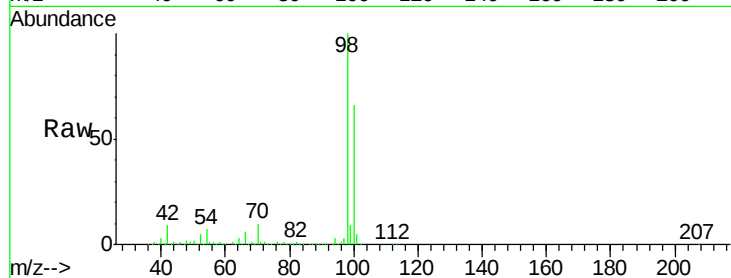




#50
Toluene-d8
Concen: 51.588 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019101.D
Acq: 24 Oct 2020 02:59

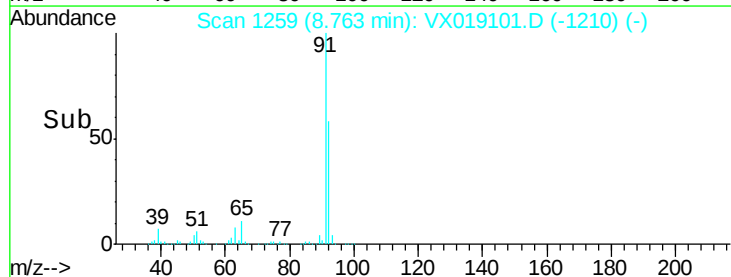
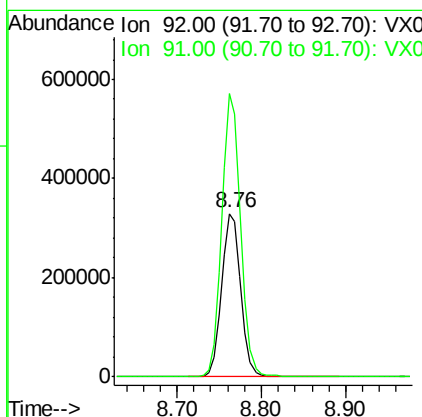
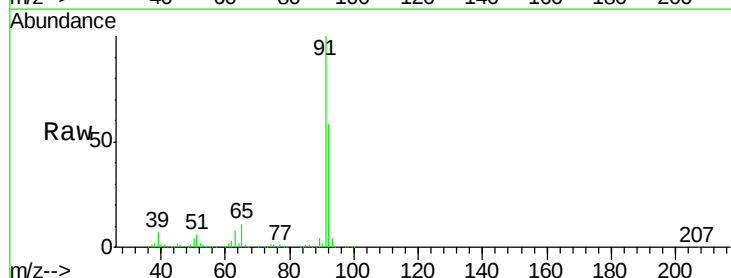
Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

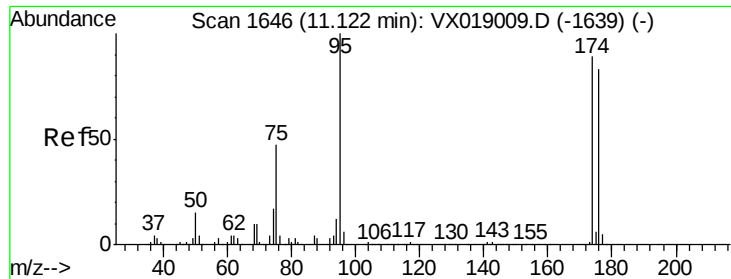
Tot Ion: 98 Resp: 607670
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#52
Toluene
Concen: 60.500 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019101.D
Acq: 24 Oct 2020 02:59

Tgt Ion: 92 Resp: 514848
Ion Ratio Lower Upper
92 100
91 171.6 138.6 208.0





#62

4-Bromofluorobenzene

Concen: 52.157 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

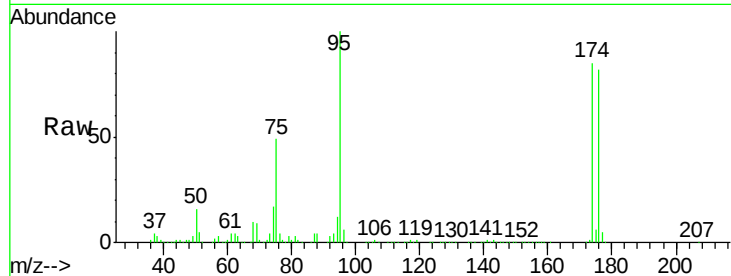
Tot Ion: 95 Resp: 218537

Ion Ratio Lower Upper

95 100

174 83.5 0.0 167.6

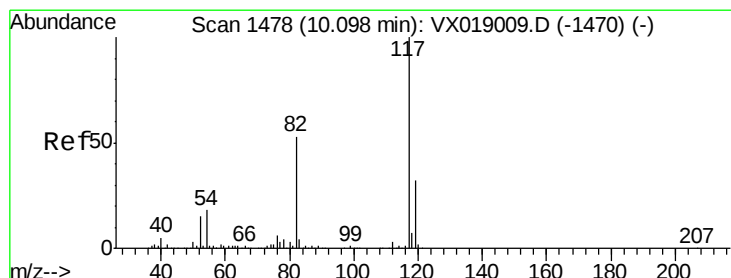
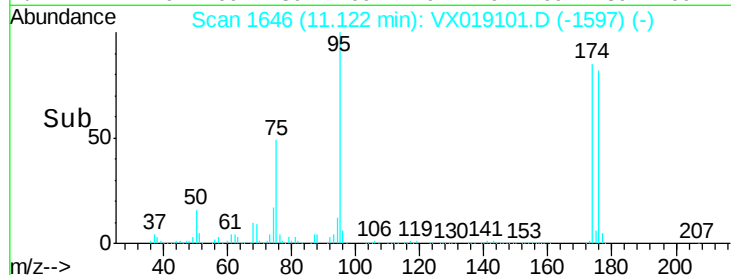
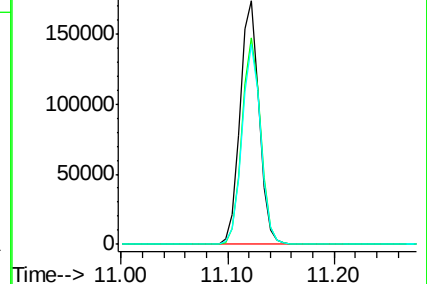
176 80.8 0.0 165.2



Abundance Ion 94.90 (94.60 to 95.60): VX019101.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019101.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019101.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

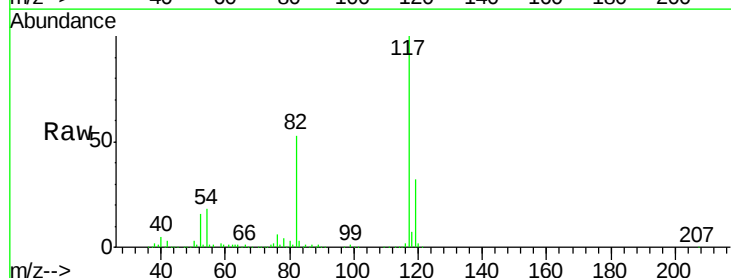
Tgt Ion: 117 Resp: 464274

Ion Ratio Lower Upper

117 100

82 52.5 42.4 63.6

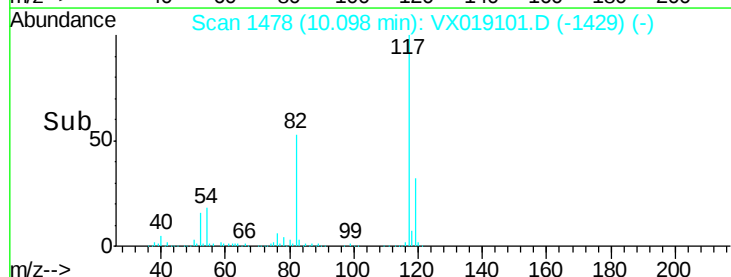
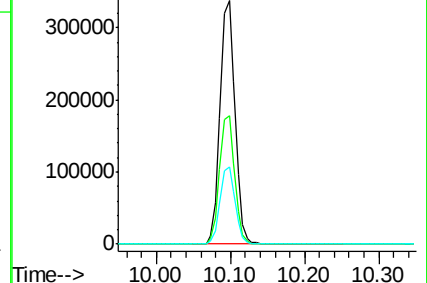
119 31.8 25.6 38.4

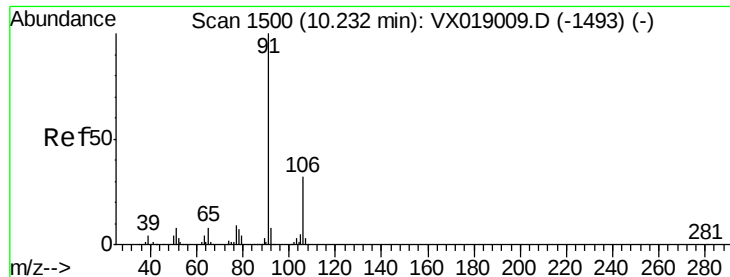


Abundance Ion 116.90 (116.60 to 117.60): VX019101.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX019101.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX019101.D (-1429) (-)

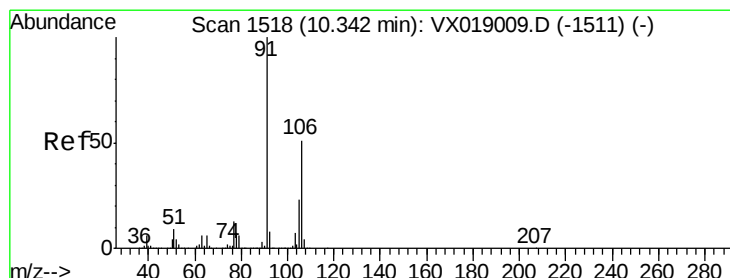
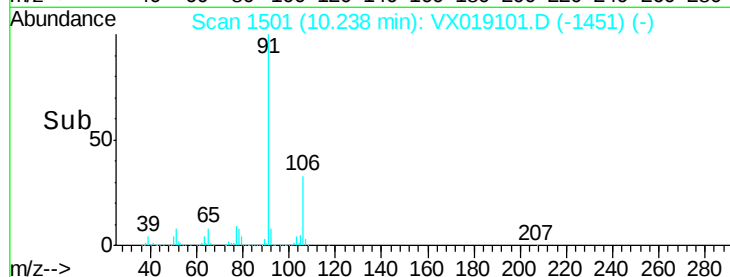
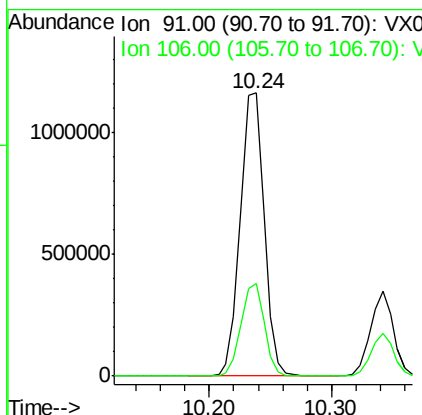
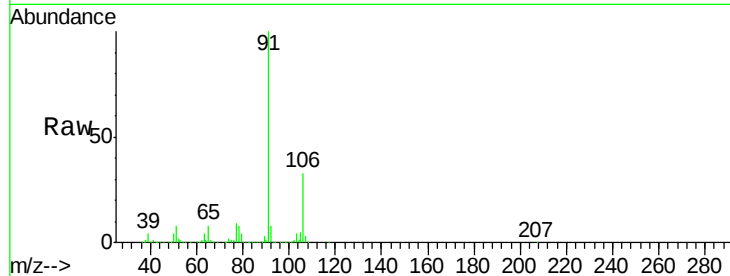




#67
Ethyl Benzene
Concen: 93.815 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019101.D
Acq: 24 Oct 2020 02:59

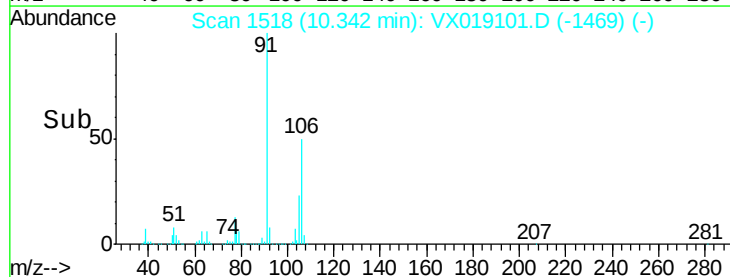
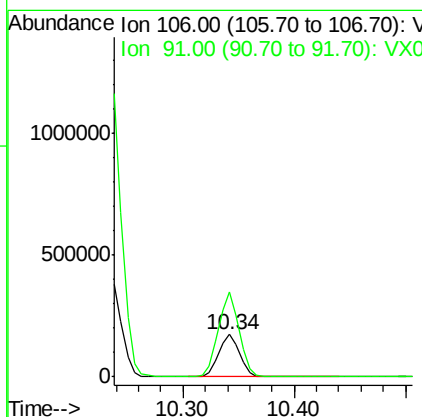
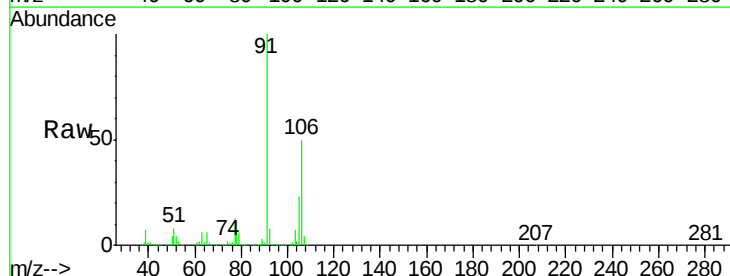
Instrument :
MSVOA_X
ClientSampled :
MW-3DL

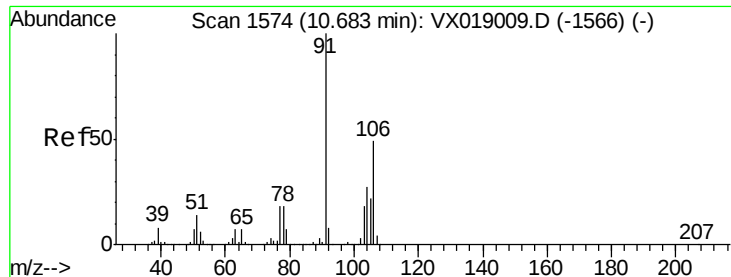
Tot Ion: 91 Resp: 1574858
Ion Ratio Lower Upper
91 100
106 32.7 25.3 37.9



#68
m/p-Xylenes
Concen: 35.455 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019101.D
Acq: 24 Oct 2020 02:59

Tgt Ion: 106 Resp: 227993
Ion Ratio Lower Upper
106 100
91 199.3 156.9 235.3

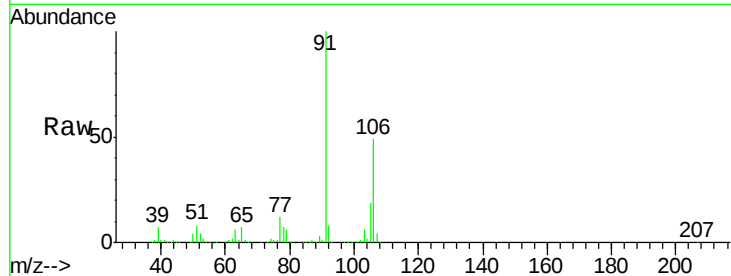




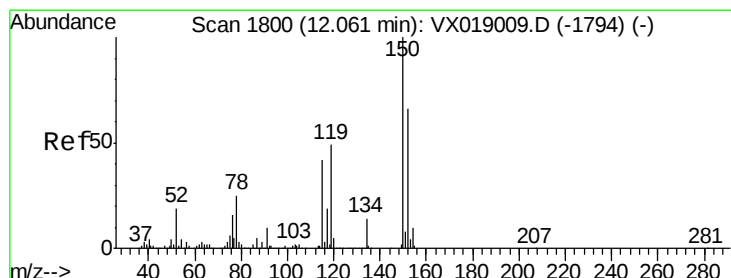
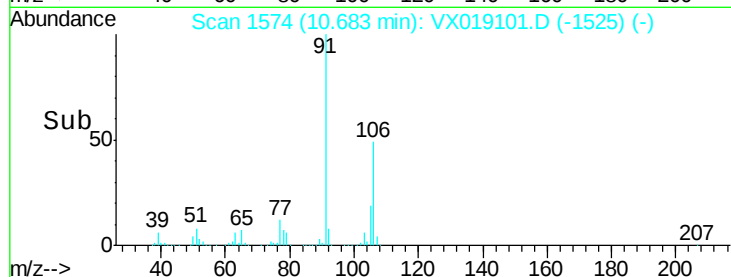
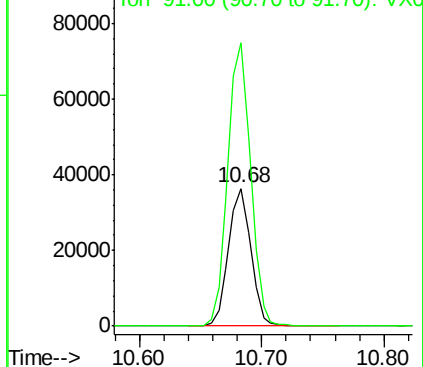
#69
o-Xylene
Concen: 7.506 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019101.D
Acq: 24 Oct 2020 02:59

Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

Tot Ion:106 Resp: 46196
Ion Ratio Lower Upper
106 100
91 209.8 104.0 312.0

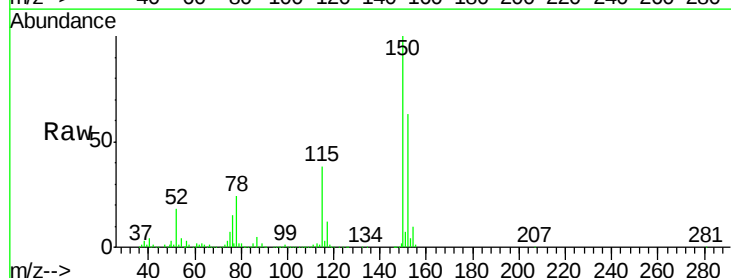


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

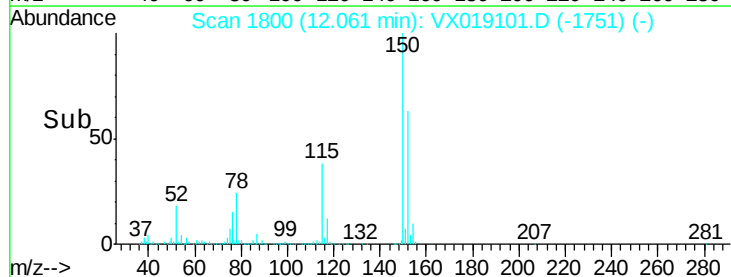
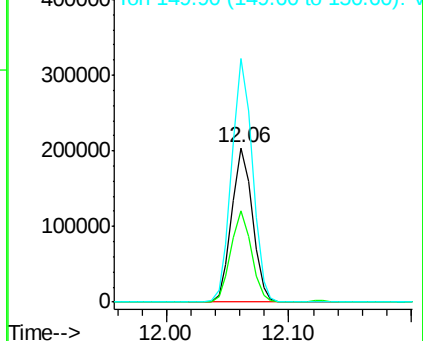


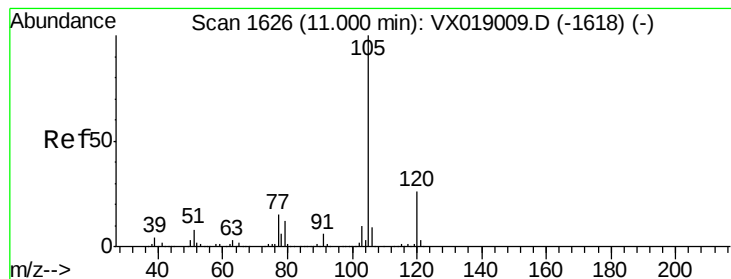
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019101.D
Acq: 24 Oct 2020 02:59

Tgt Ion:152 Resp: 239188
Ion Ratio Lower Upper
152 100
115 58.1 40.8 122.5
150 157.5 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.157 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

Instrument :

MSVOA_X

ClientSampleId :

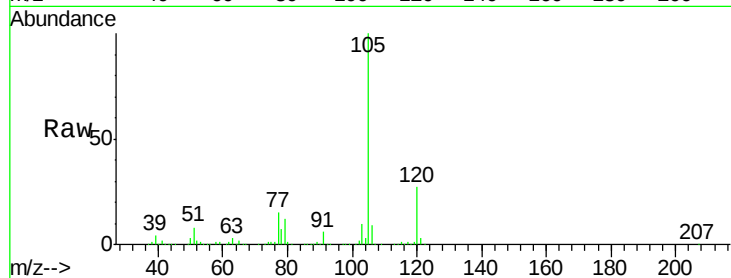
MW-3DL

Tot Ion:105 Resp: 346831

Ion Ratio Lower Upper

105 100

120 27.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

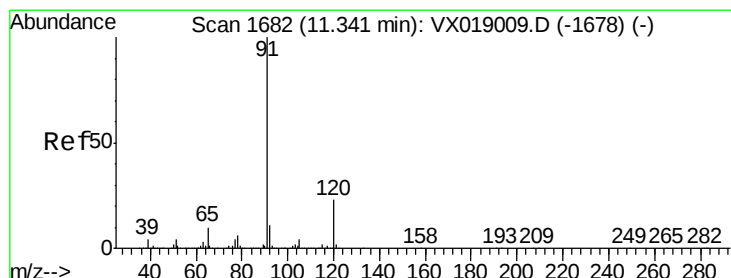
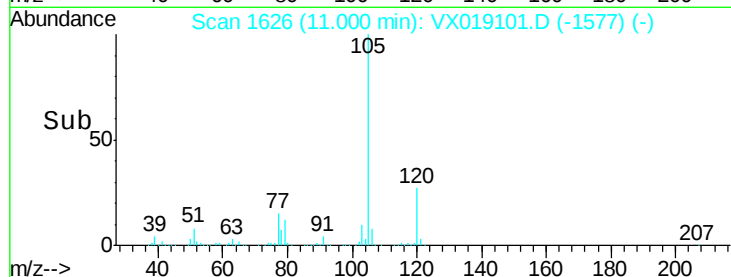
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#78

n-propylbenzene

Concen: 22.117 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019101.D

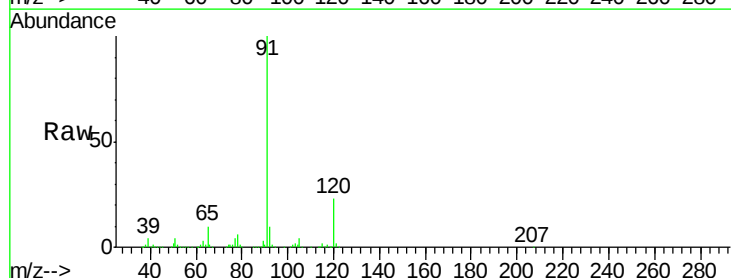
Acq: 24 Oct 2020 02:59

Tgt Ion: 91 Resp: 431222

Ion Ratio Lower Upper

91 100

120 23.4 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.34

400000

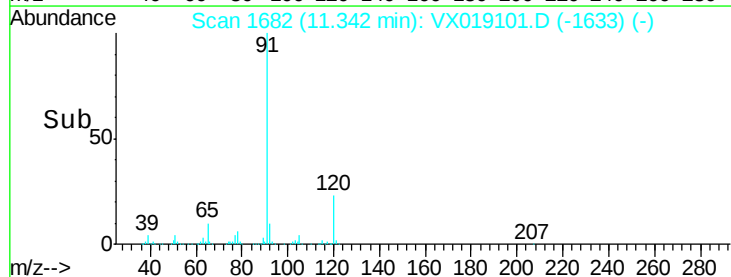
300000

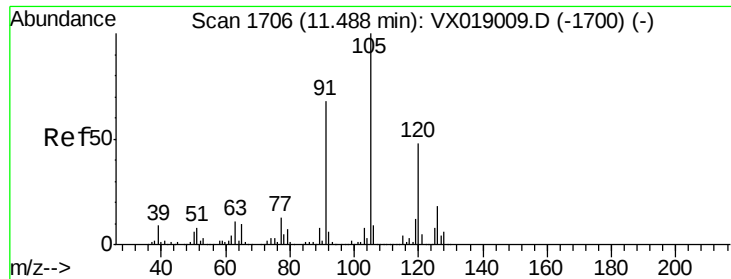
200000

100000

0

Time--> 11.25 11.30 11.35 11.40





#80

1,3,5-Trimethylbenzene

Concen: 4.025 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

Instrument :

MSVOA_X

ClientSampled :

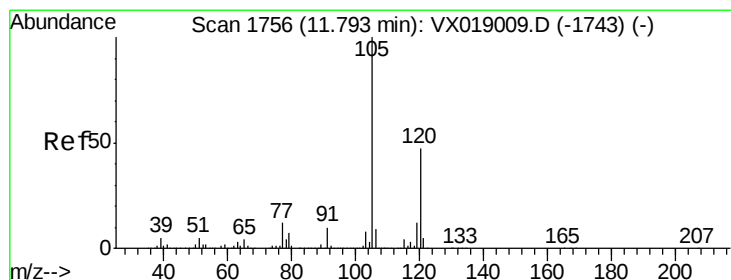
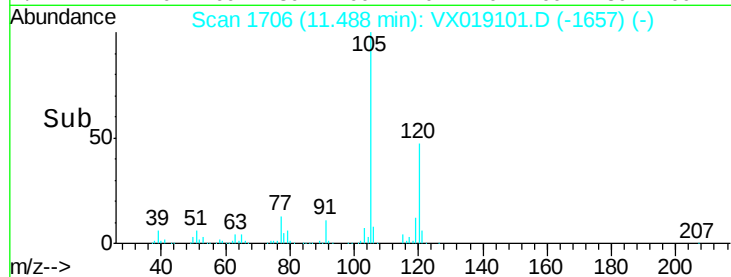
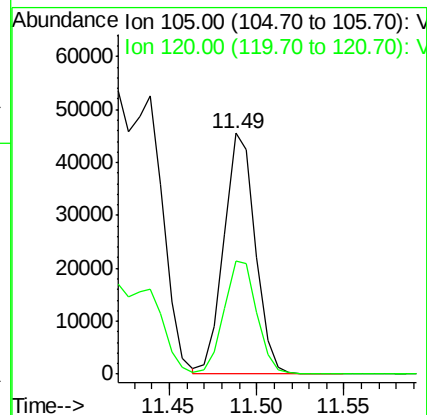
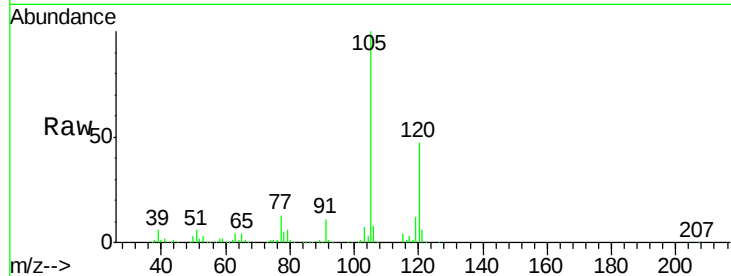
MW-3DL

Tot Ion:105 Resp: 57185

Ion Ratio Lower Upper

105 100

120 48.6 25.2 75.6



#84

1,2,4-Trimethylbenzene

Concen: 13.596 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019101.D

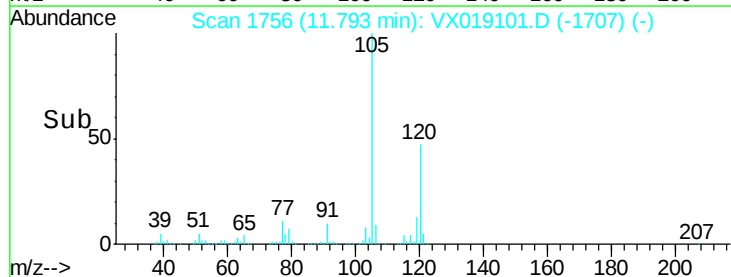
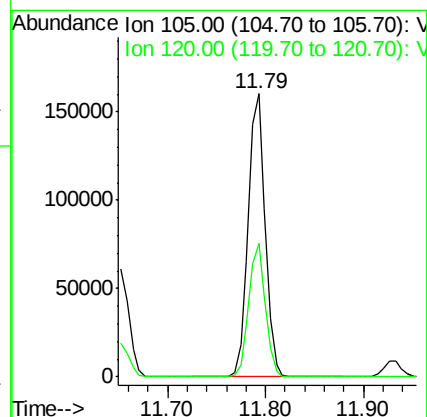
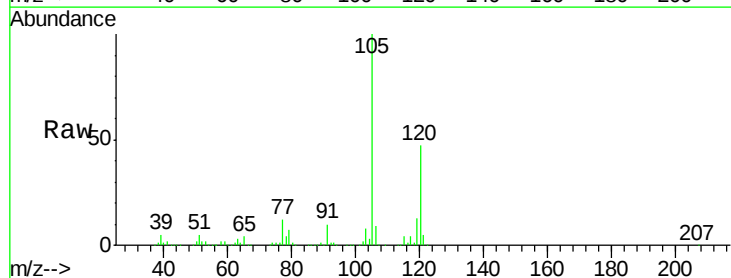
Acq: 24 Oct 2020 02:59

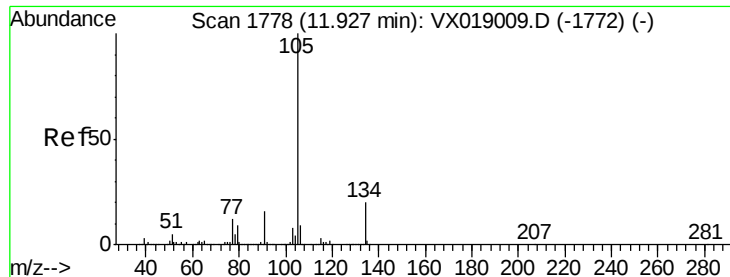
Tgt Ion:105 Resp: 193444

Ion Ratio Lower Upper

105 100

120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 0.711 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

Instrument :

MSVOA_X

ClientSampled :

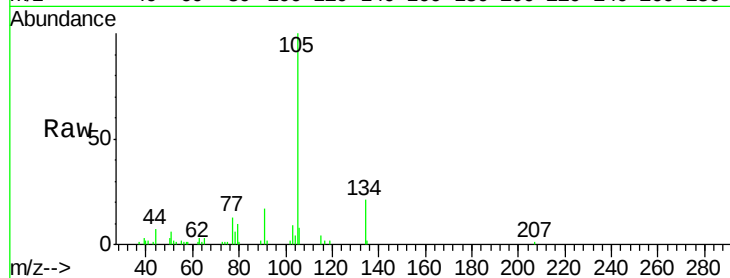
MW-3DL

Tot Ion:105 Resp: 12037

Ion Ratio Lower Upper

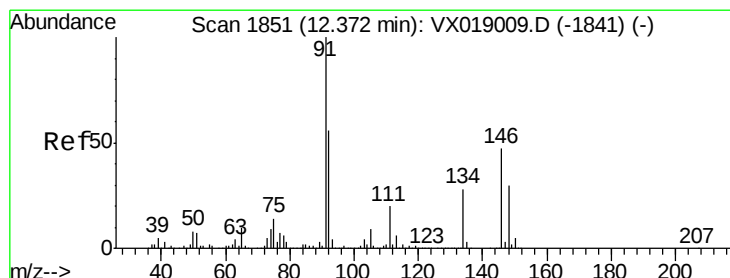
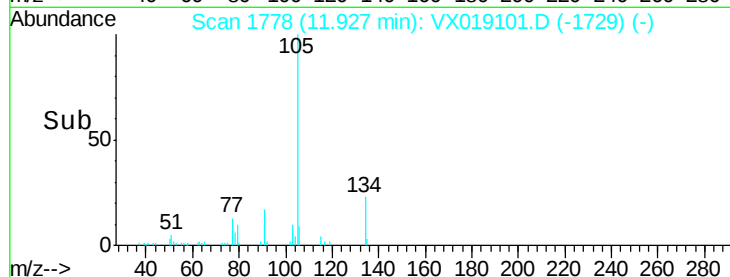
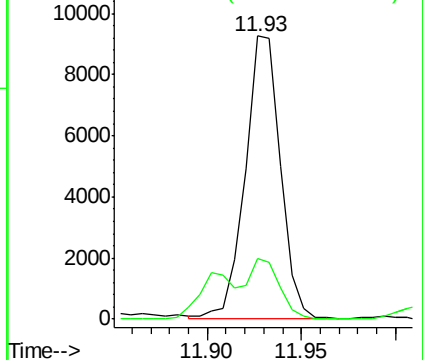
105 100

134 19.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.887 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

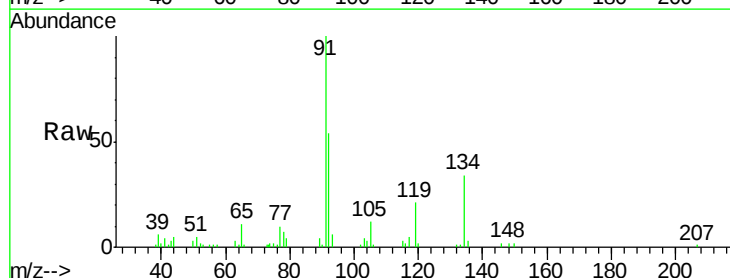
Tgt Ion: 91 Resp: 12559

Ion Ratio Lower Upper

91 100

92 40.7 27.3 81.9

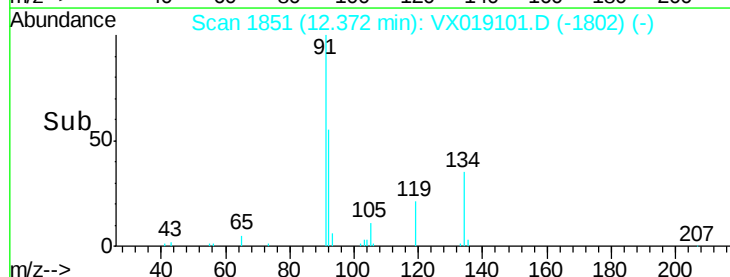
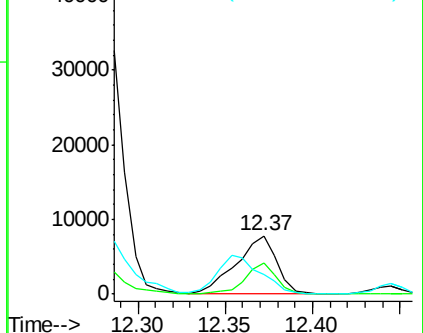
134 70.7 13.6 40.7#

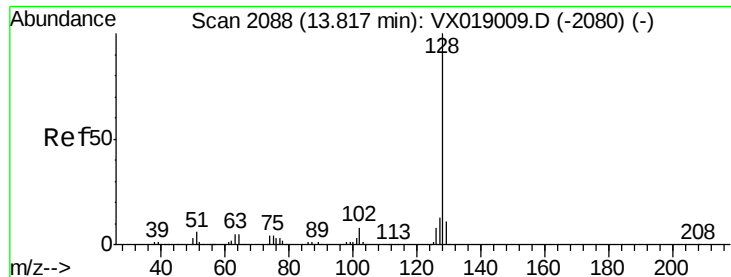


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 17.509 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019101.D

Acq: 24 Oct 2020 02:59

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

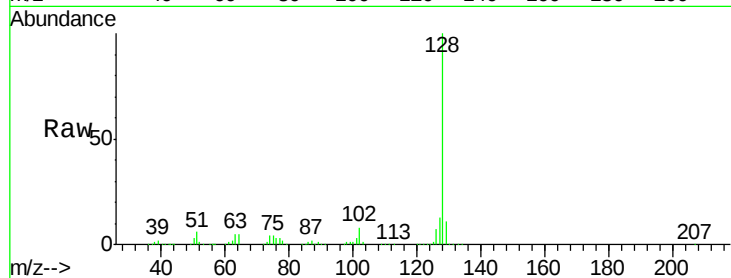
Tot Ion:128 Resp: 299554

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 11.0 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

