

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016345.D
 Acq On : 19 May 2020 19:12
 Operator : JC/SP
 Sample : L2673-02 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30559

Quant Time: May 20 07:43:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	259241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	435863	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	416164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	205993	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	151918	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
35) Dibromofluoromethane	5.47	113	127777	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	8.70	98	527986	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.12	95	208193	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	

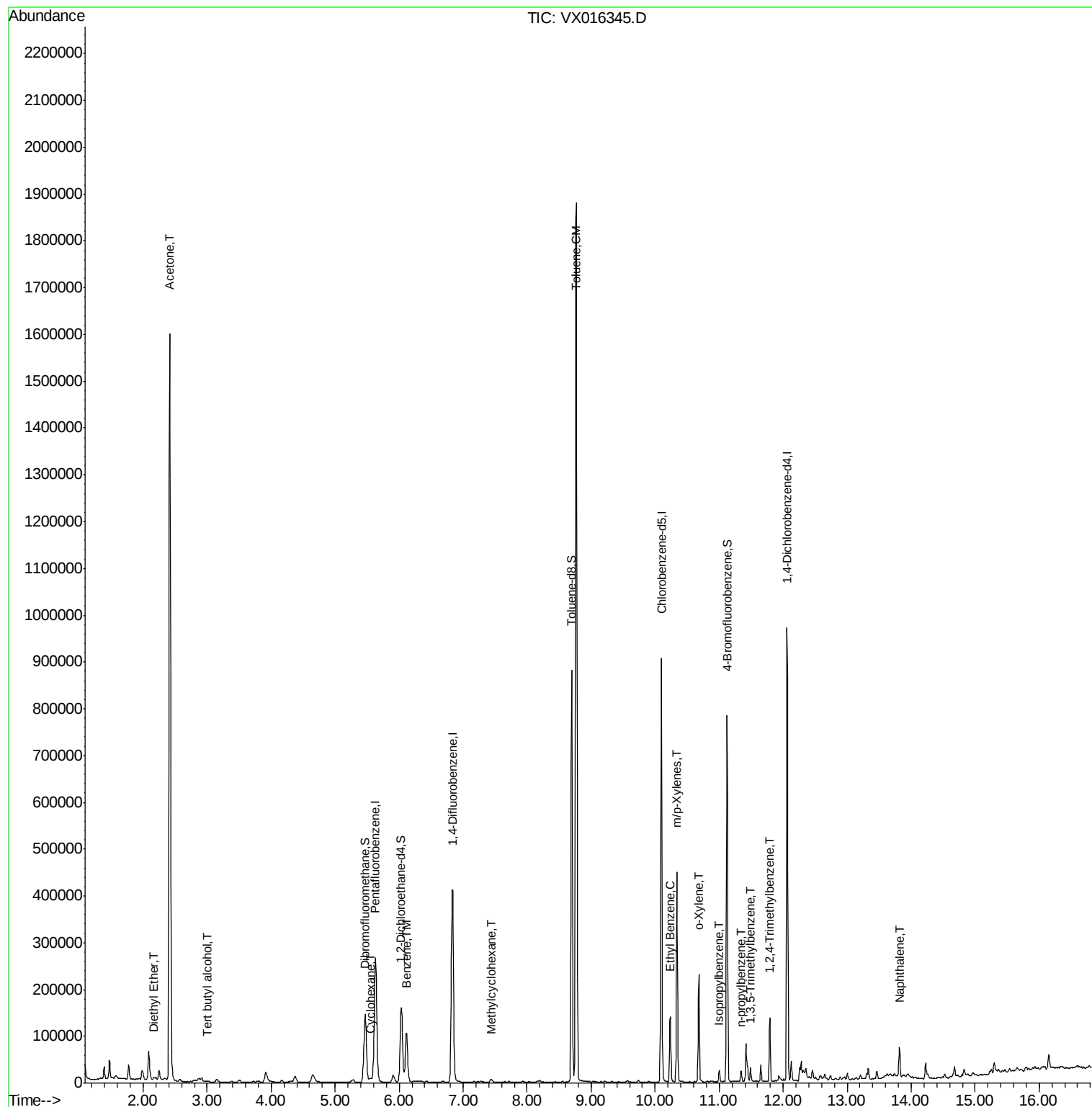
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1868	0.993	ug/l	87
11) Tert butyl alcohol	3.00	59	3340	3.872	ug/l #	91
16) Acetone	2.42	43	1607169	1055.881	ug/l	94
31) Cyclohexane	5.55	56	6438	1.359	ug/l #	92
39) Methylcyclohexane	7.43	83	2986	0.578	ug/l	94
40) Benzene	6.11	78	132774	10.577	ug/l	98
52) Toluene	8.77	92	745148	95.228	ug/l	99
67) Ethyl Benzene	10.24	91	81902	5.268	ug/l	98
68) m/p-Xylenes	10.34	106	104283	17.902	ug/l	100
69) o-Xylene	10.68	106	49890	8.910	ug/l	100
73) Isopropylbenzene	11.00	105	13532	0.903	ug/l	97
78) n-propylbenzene	11.34	91	13364	0.767	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	13792	1.090	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	58846	4.601	ug/l	100
95) Naphthalene	13.82	128	38807	2.421	ug/l	99

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

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QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016345.D

Acq: 19 May 2020 19:12

Instrument :

MSVOA_X

ClientSampled :

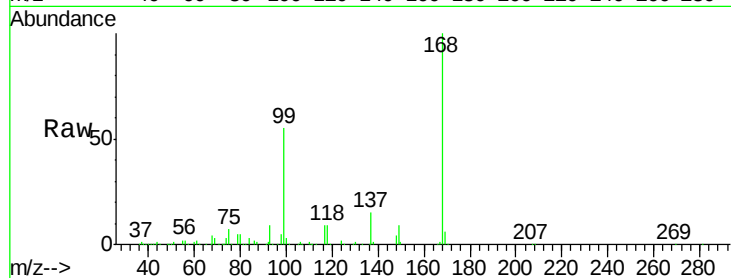
30559

Tot Ion:168 Resp: 259241

Ion Ratio Lower Upper

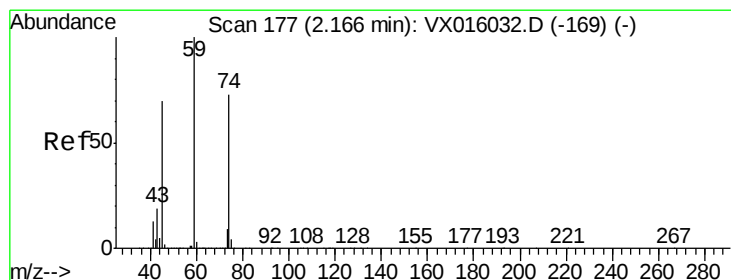
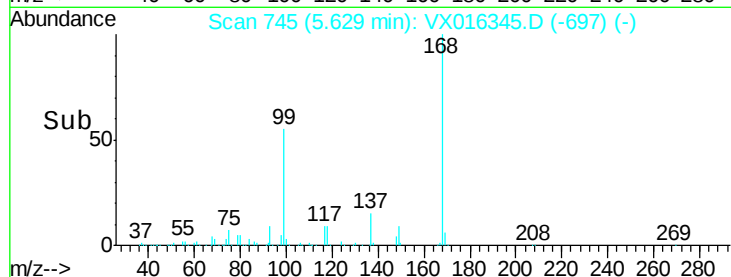
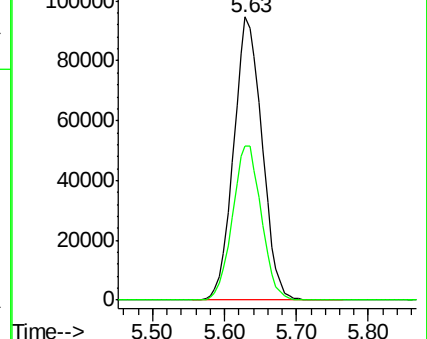
168 100

99 54.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.993 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX016345.D

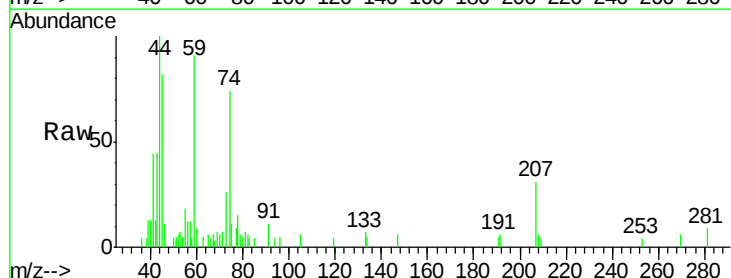
Acq: 19 May 2020 19:12

Tgt Ion: 74 Resp: 1868

Ion Ratio Lower Upper

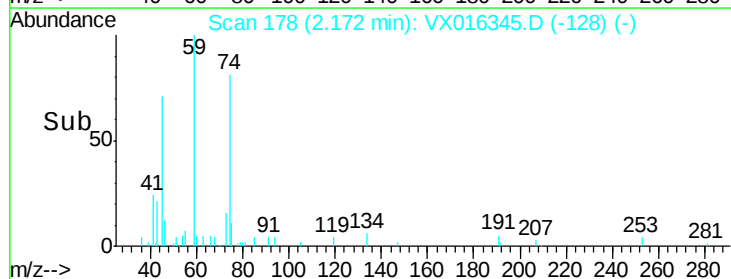
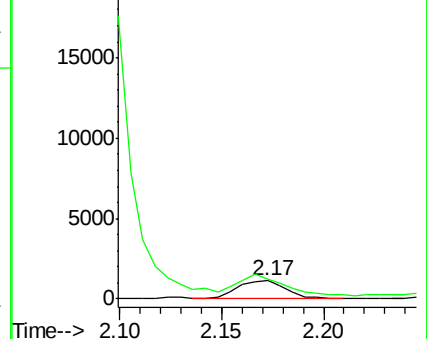
74 100

45 107.2 47.3 142.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

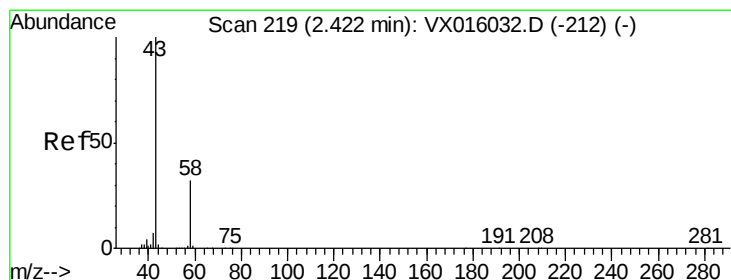
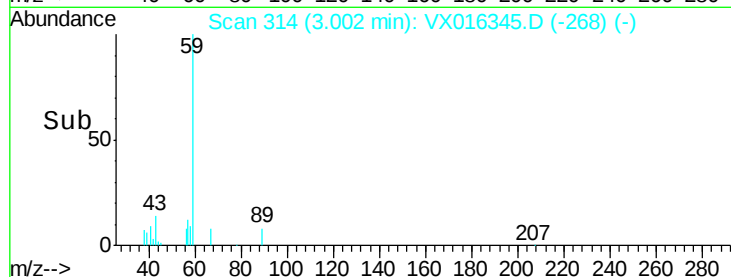
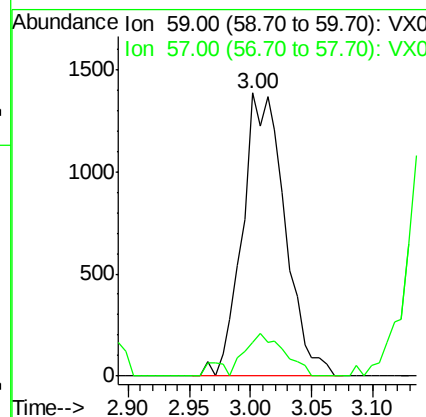
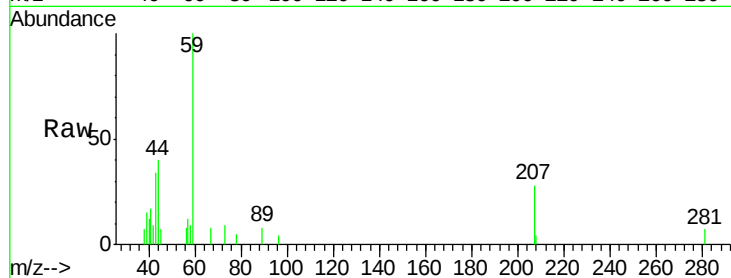




#11
Tert butyl alcohol
Concen: 3.872 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016345.D
Acq: 19 May 2020 19:12

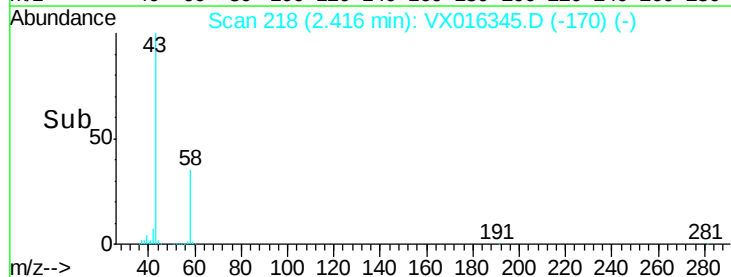
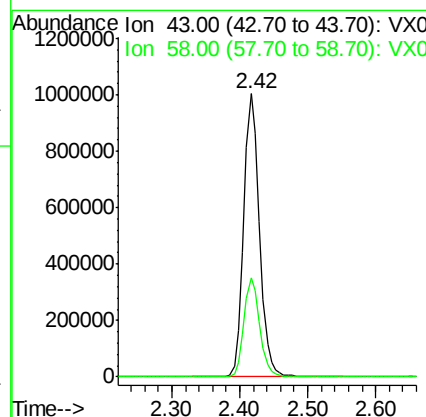
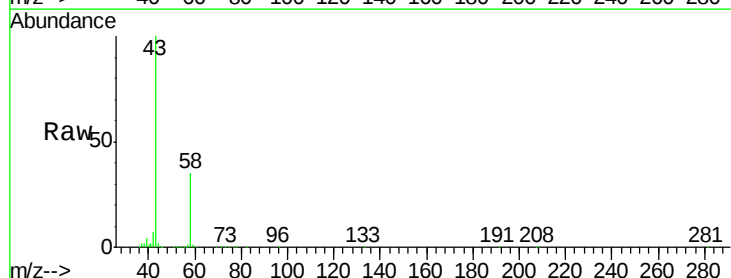
Instrument :
MSVOA_X
ClientSampleId :
30559

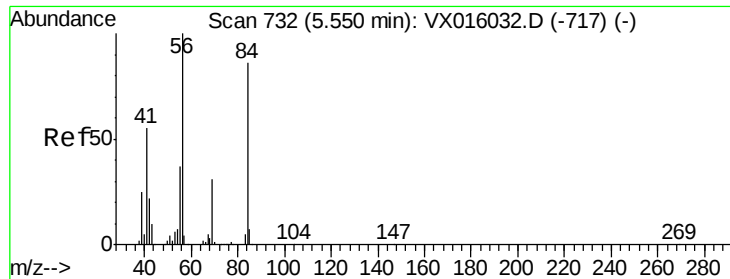
Tot Ion: 59 Resp: 3340
Ion Ratio Lower Upper
59 100
57 13.7 8.2 12.4#



#16
Acetone
Concen: 1055.881 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016345.D
Acq: 19 May 2020 19:12

Tgt Ion: 43 Resp: 1607169
Ion Ratio Lower Upper
43 100
58 35.2 25.4 38.0





#31

Cyclohexane

Concen: 1.359 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX016345.D

Acq: 19 May 2020 19:12

Instrument :

MSVOA_X

ClientSampled :

30559

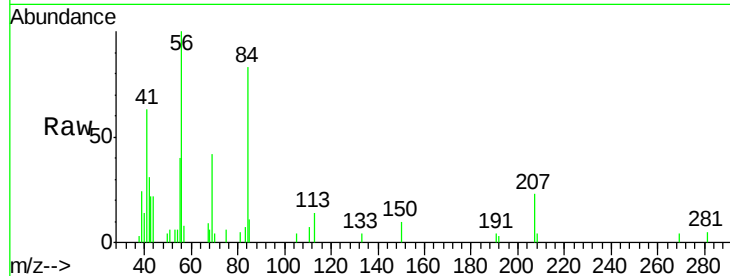
Tot Ion: 56 Resp: 6438

Ion Ratio Lower Upper

56 100

69 42.3 25.0 37.6#

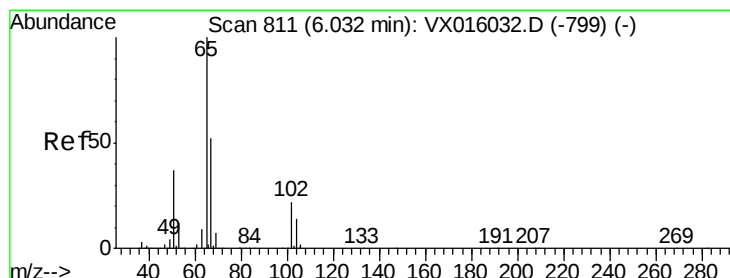
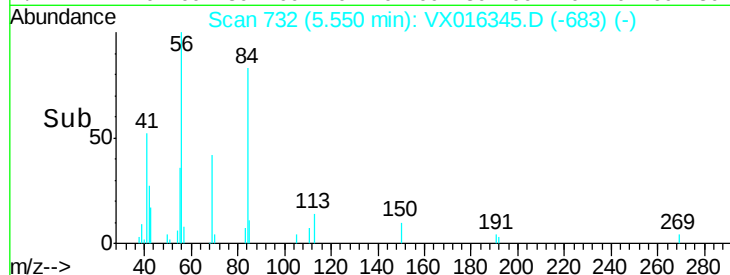
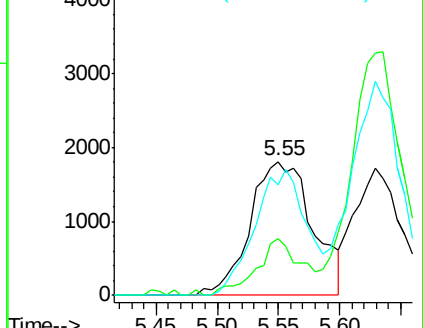
84 82.9 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.533 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016345.D

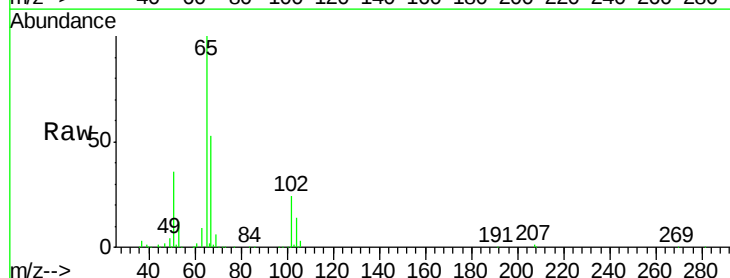
Acq: 19 May 2020 19:12

Tgt Ion: 65 Resp: 151918

Ion Ratio Lower Upper

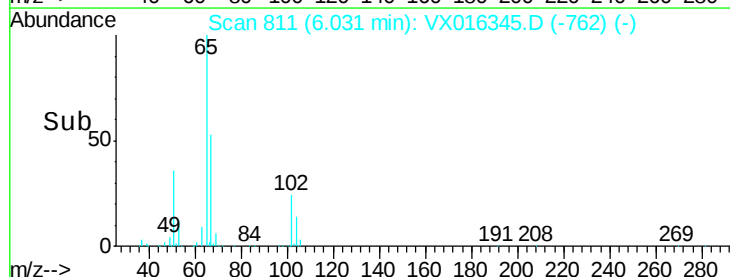
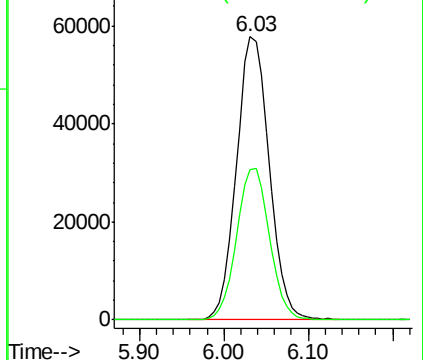
65 100

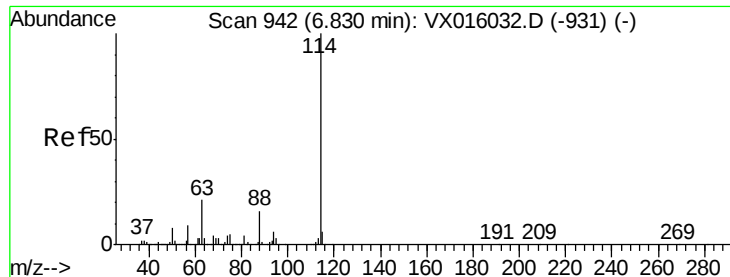
67 53.7 0.0 104.8



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: VX016345.D

Acq: 19 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

30559

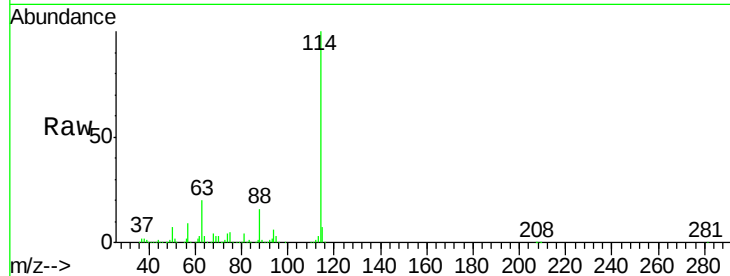
Tot Ion:114 Resp: 435863

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

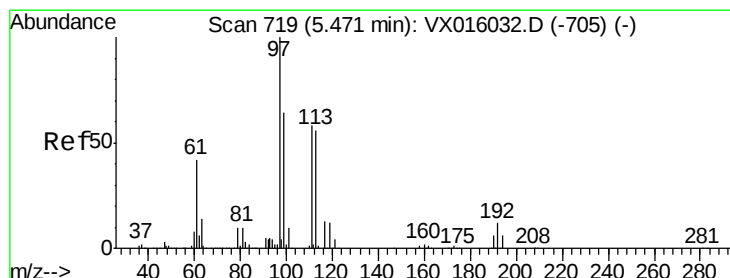
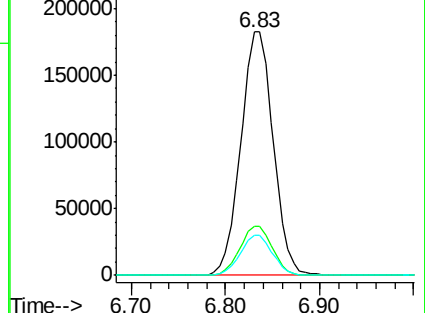
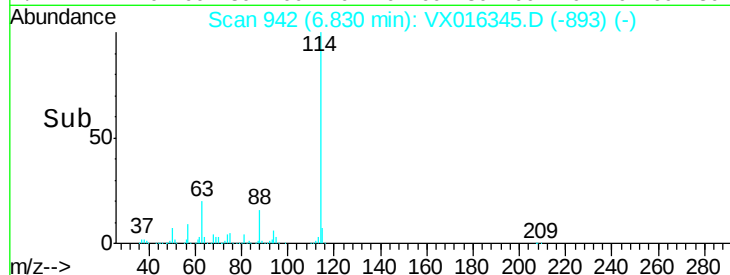
88 16.4 0.0 31.4



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: 46.273 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016345.D

Acq: 19 May 2020 19:12

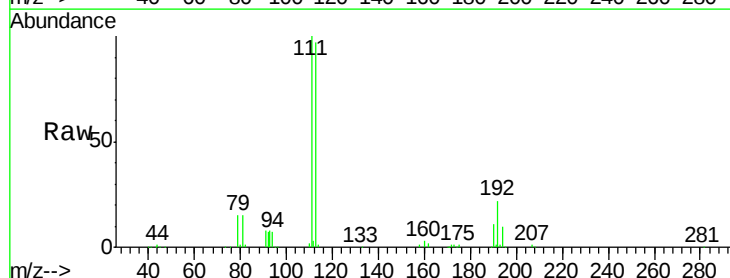
Tgt Ion:113 Resp: 127777

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

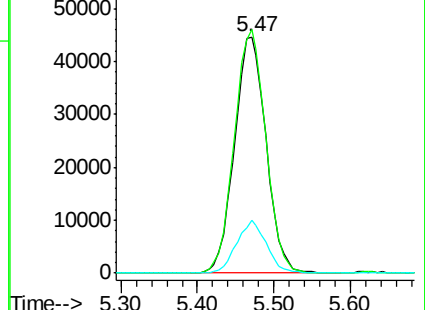
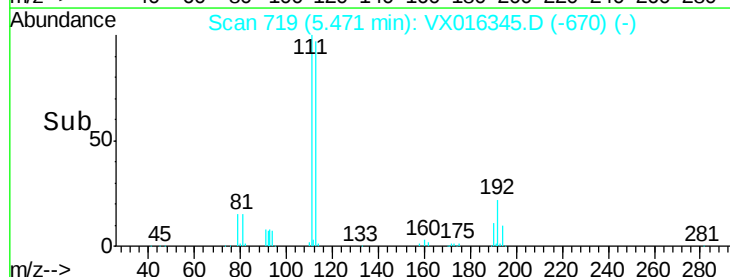
192 21.2 17.0 25.4

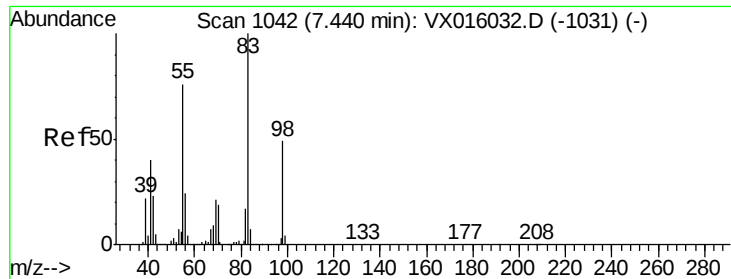


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

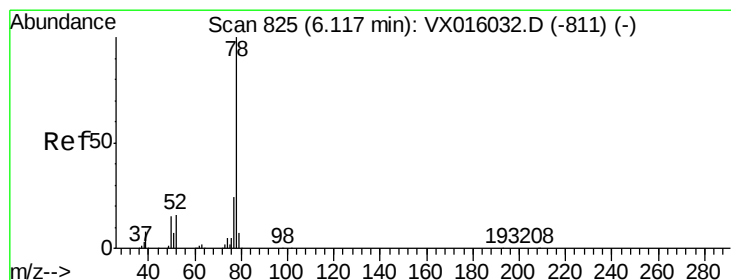
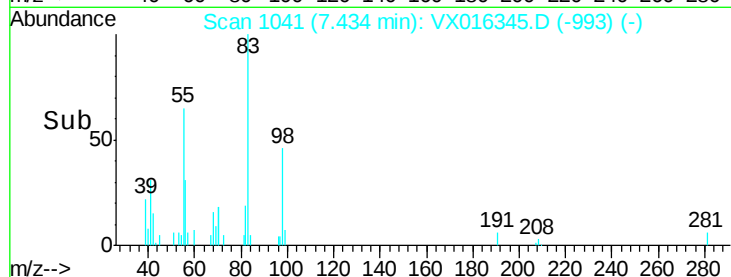
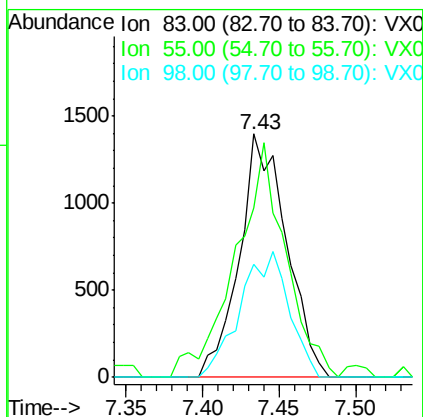
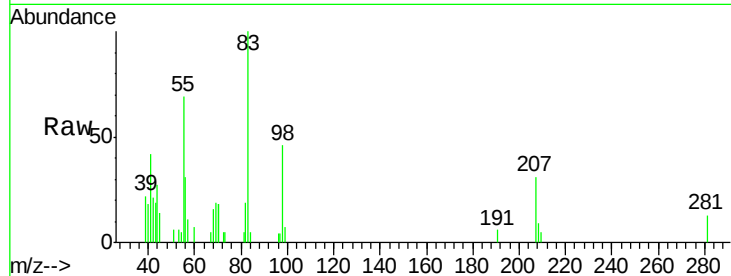




#39
Methvlcvclohexane
Concen: 0.578 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX016345.D
Acq: 19 May 2020 19:12

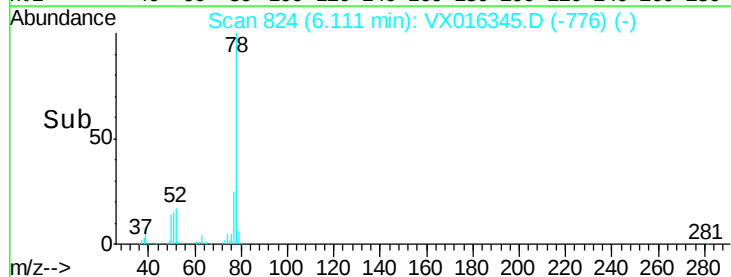
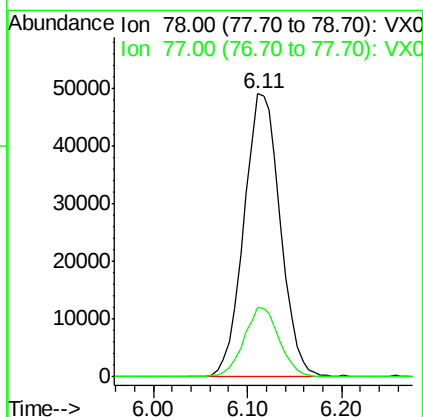
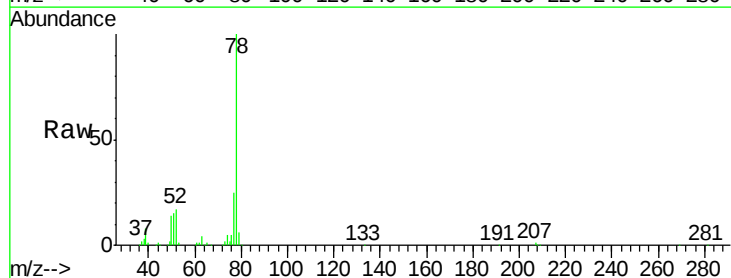
Instrument :
MSVOA_X
ClientSampleId :
30559

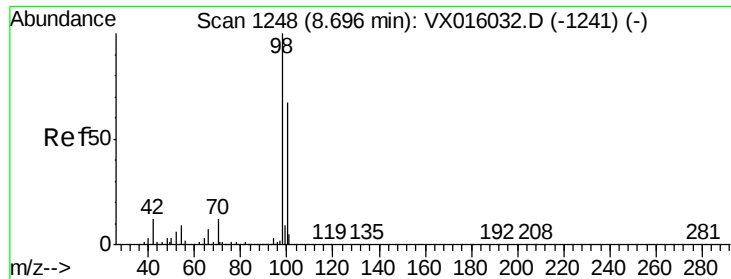
Tot Ion: 83 Resp: 2986
Ion Ratio Lower Upper
83 100
55 69.3 61.1 91.7
98 46.4 39.0 58.4



#40
Benzene
Concen: 10.577 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016345.D
Acq: 19 May 2020 19:12

Tgt Ion: 78 Resp: 132774
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.4





#50

Toluene-d8

Concen: 49.624 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016345.D

Acq: 19 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

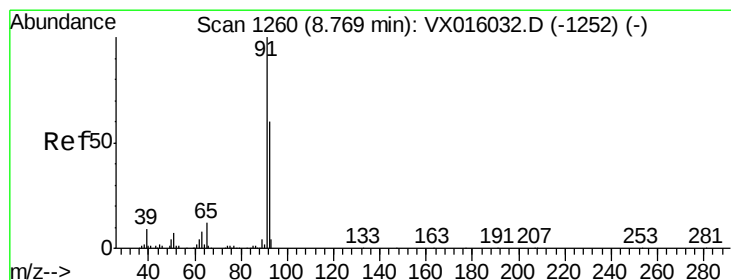
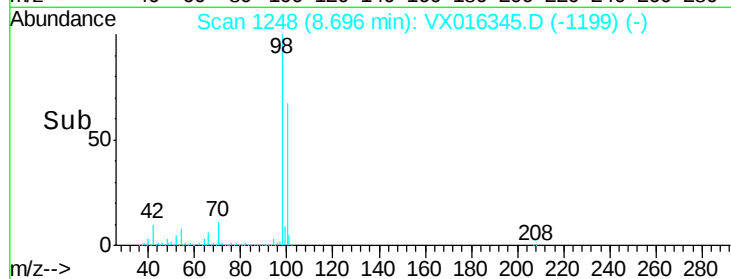
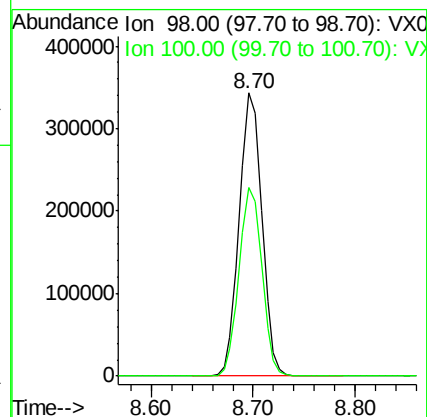
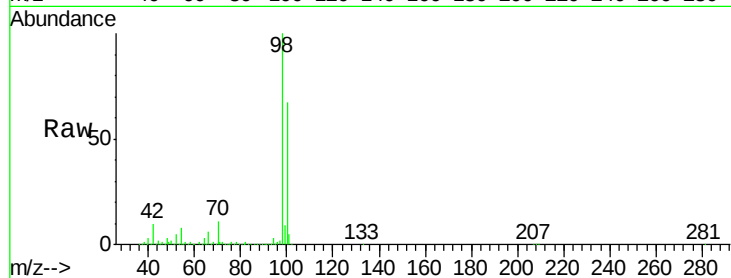
30559

Tot Ion: 98 Resp: 527986

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5



#52

Toluene

Concen: 95.228 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016345.D

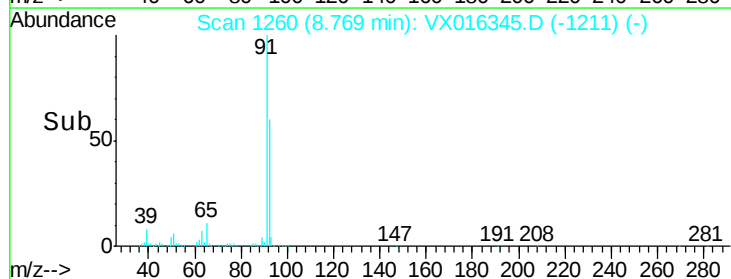
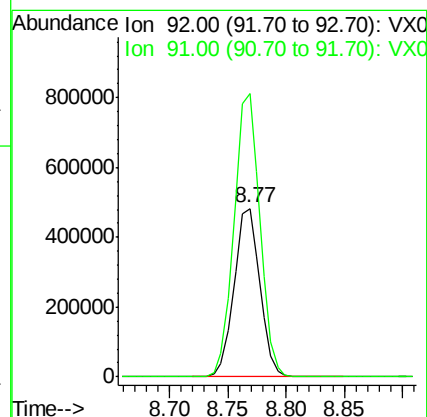
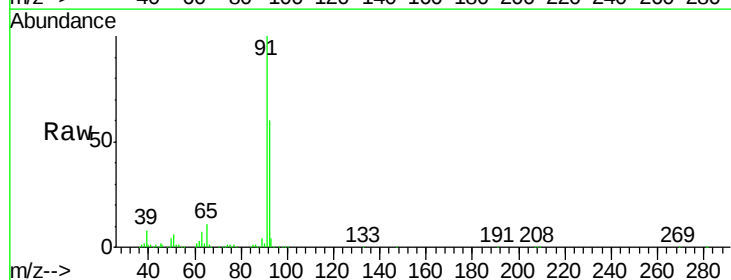
Acq: 19 May 2020 19:12

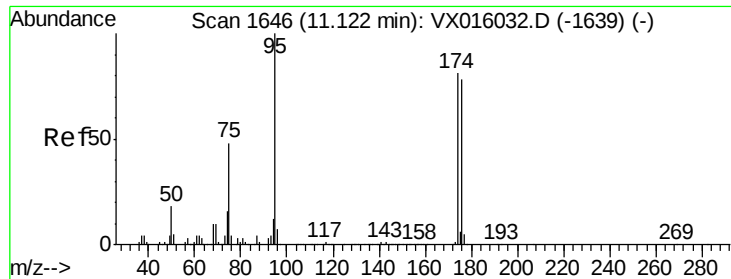
Tgt Ion: 92 Resp: 745148

Ion Ratio Lower Upper

92 100

91 169.0 134.5 201.7





#62

4-Bromofluorobenzene

Concen: 51.445 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016345.D

Acq: 19 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

30559

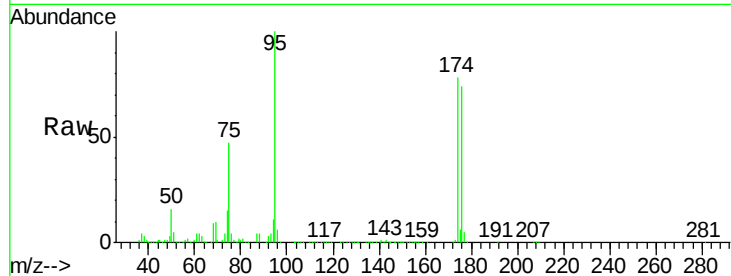
Tot Ion: 95 Resp: 208193

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.4

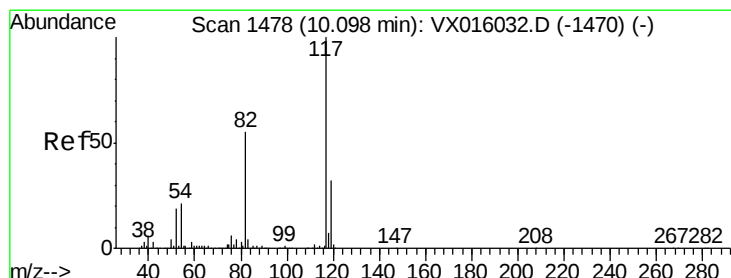
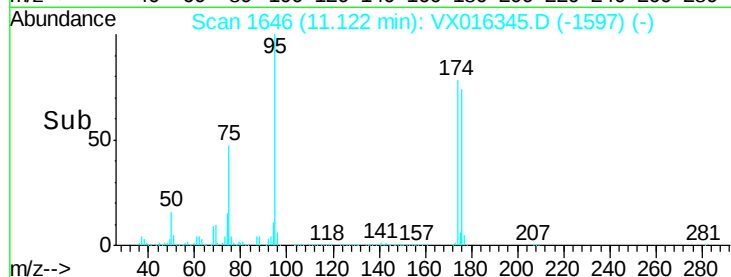
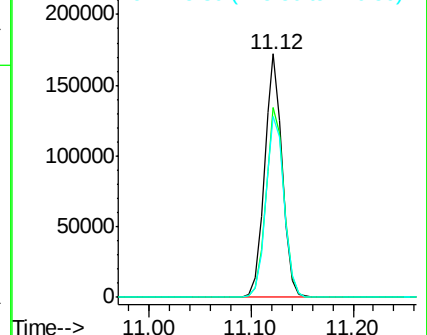
176 77.6 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016345.D

Acq: 19 May 2020 19:12

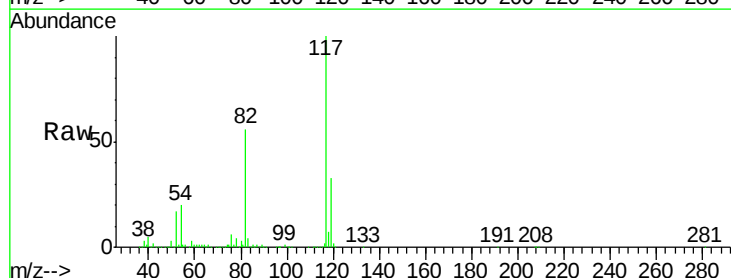
Tgt Ion: 117 Resp: 416164

Ion Ratio Lower Upper

117 100

82 55.9 44.4 66.6

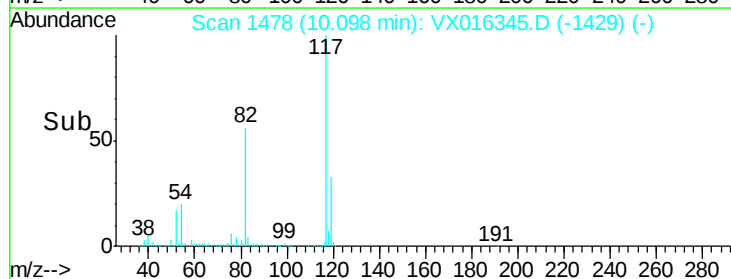
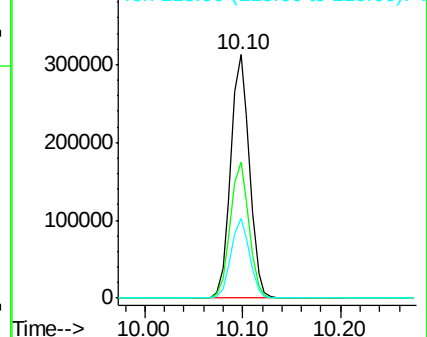
119 32.8 25.5 38.3

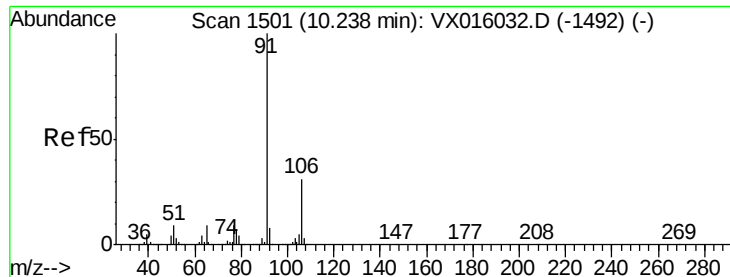


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#67

Ethyl Benzene

Concen: 5.268 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016345.D

Acq: 19 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

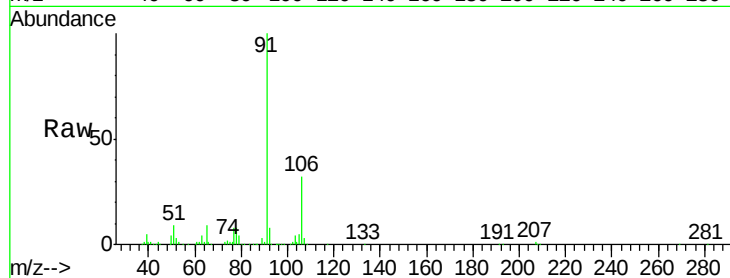
30559

Tot Ion: 91 Resp: 81902

Ion Ratio Lower Upper

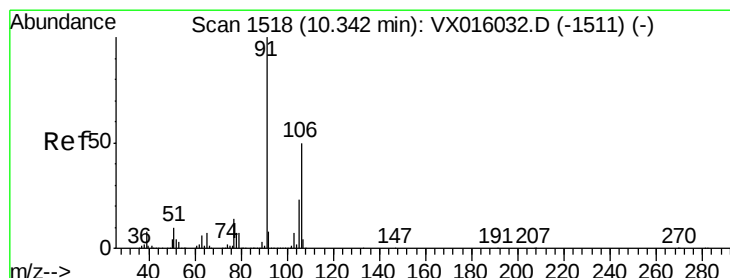
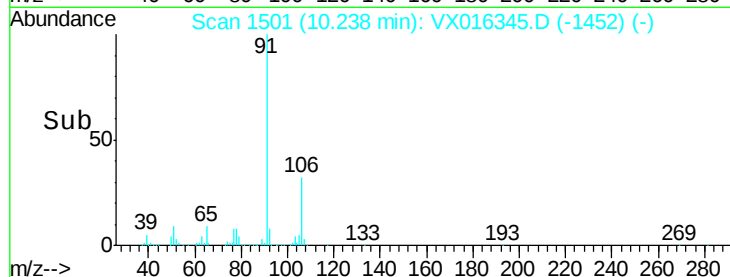
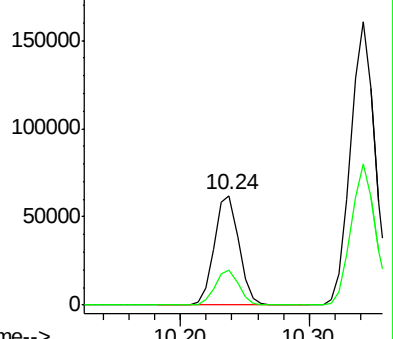
91 100

106 32.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX016032.D (-1492) (-)

Ion 106.00 (105.70 to 106.70): VX016032.D (-1492) (-)



#68

m/p-Xylenes

Concen: 17.902 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016345.D

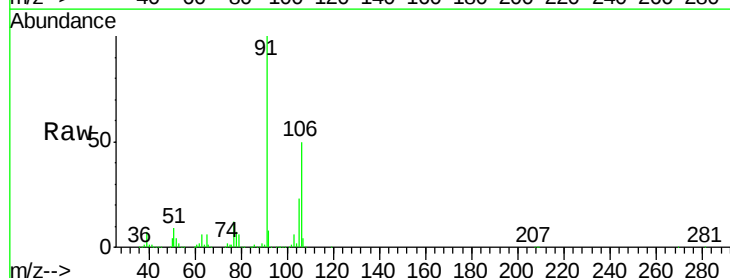
Acq: 19 May 2020 19:12

Tgt Ion: 106 Resp: 104283

Ion Ratio Lower Upper

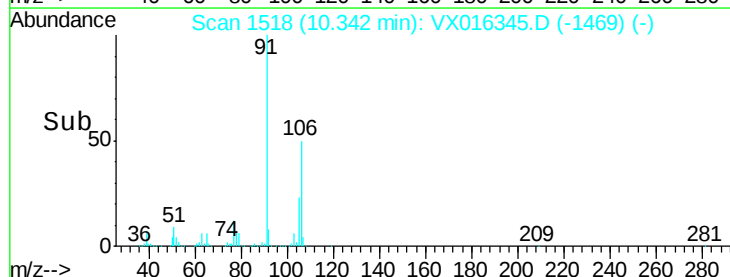
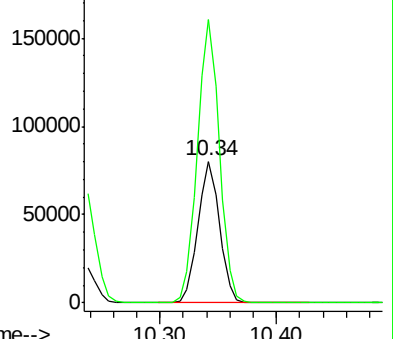
106 100

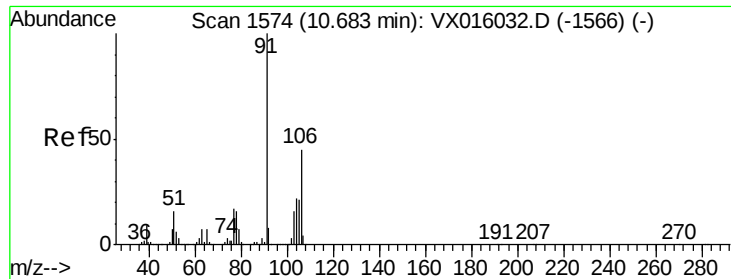
91 202.1 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VX016032.D (-1511) (-)

Ion 91.00 (90.70 to 91.70): VX016032.D (-1511) (-)

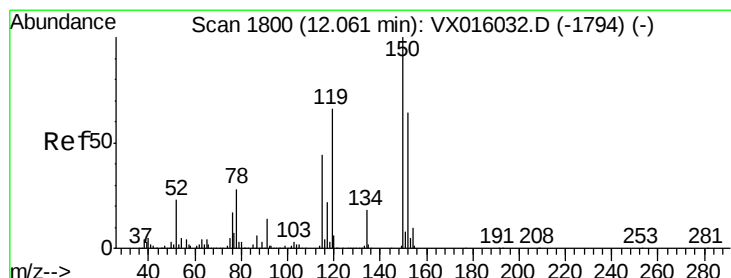
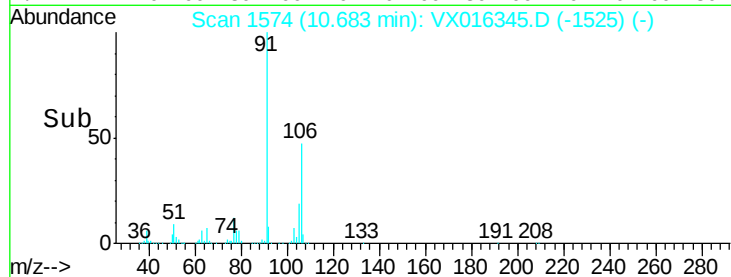
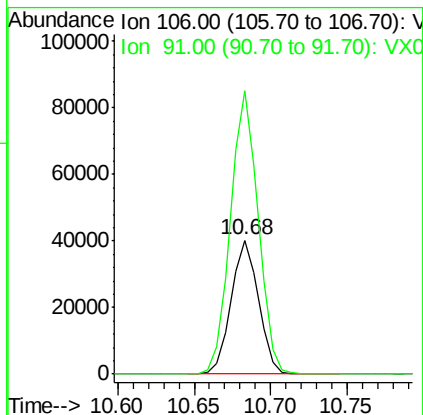
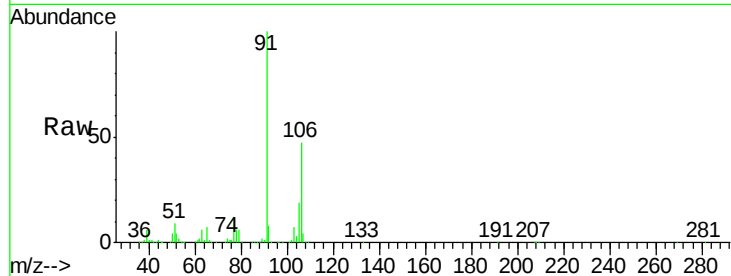




#69
o-Xylene
Concen: 8.910 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016345.D
Acq: 19 May 2020 19:12

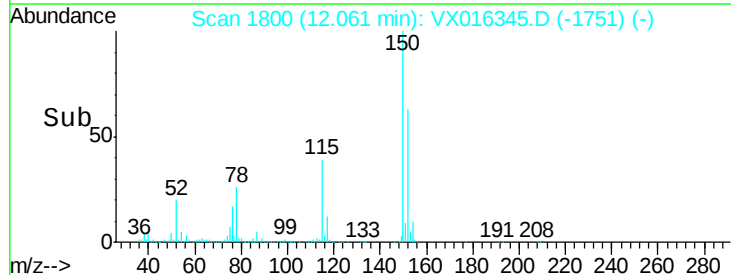
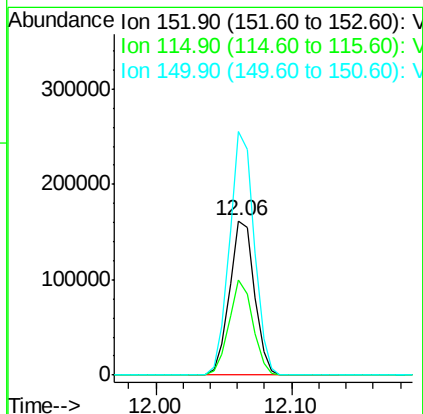
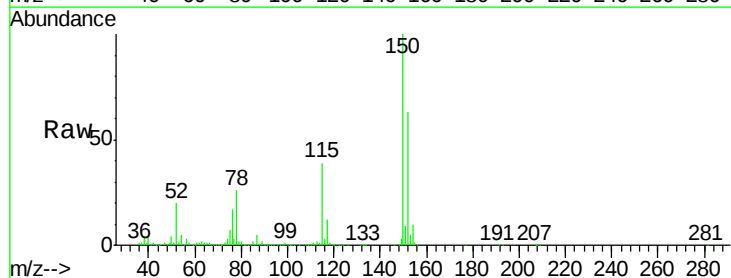
Instrument :
MSVOA_X
ClientSampleId :
30559

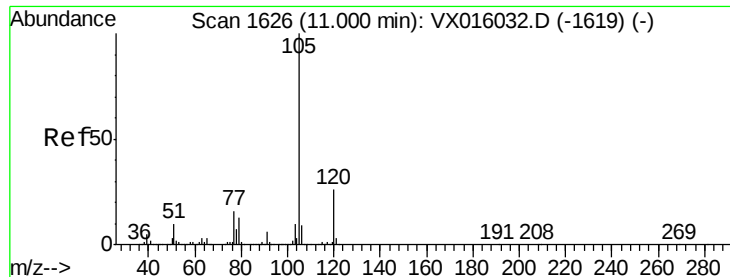
Tot Ion:106 Resp: 49890
Ion Ratio Lower Upper
106 100
91 214.7 107.5 322.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016345.D
Acq: 19 May 2020 19:12

Tgt Ion:152 Resp: 205993
Ion Ratio Lower Upper
152 100
115 59.0 41.3 124.1
150 156.4 0.0 352.2





#73

Isopropylbenzene

Concen: 0.903 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016345.D

Acq: 19 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

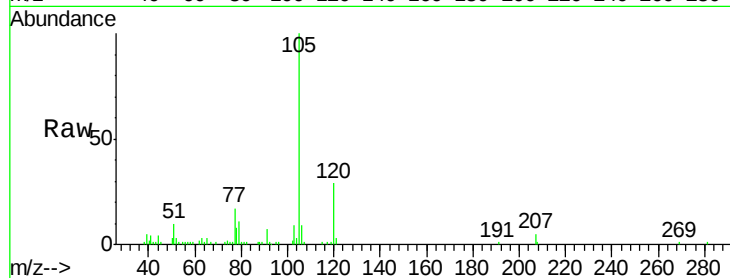
30559

Tot Ion:105 Resp: 13532

Ion Ratio Lower Upper

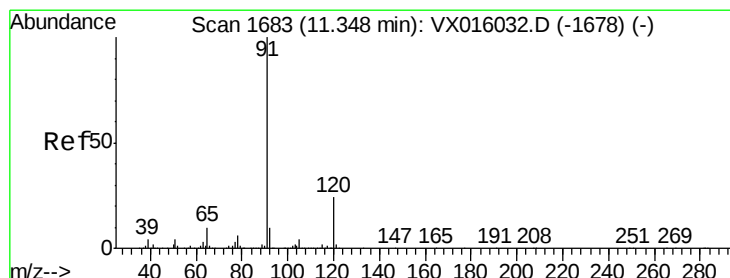
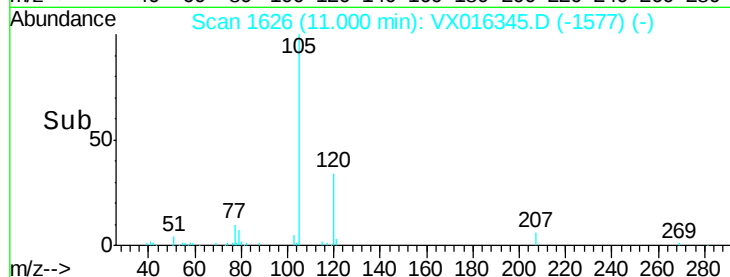
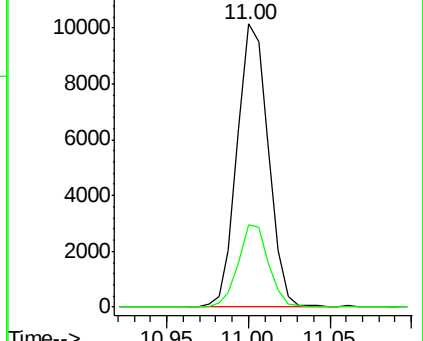
105 100

120 28.3 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.767 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016345.D

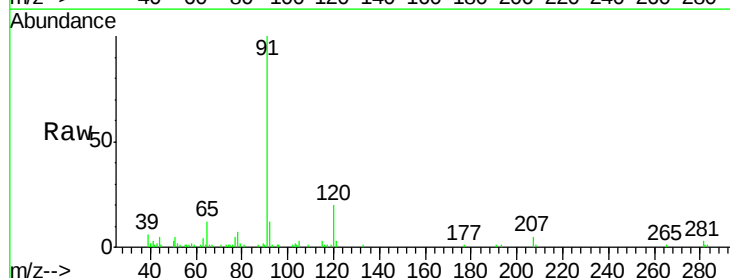
Acq: 19 May 2020 19:12

Tgt Ion: 91 Resp: 13364

Ion Ratio Lower Upper

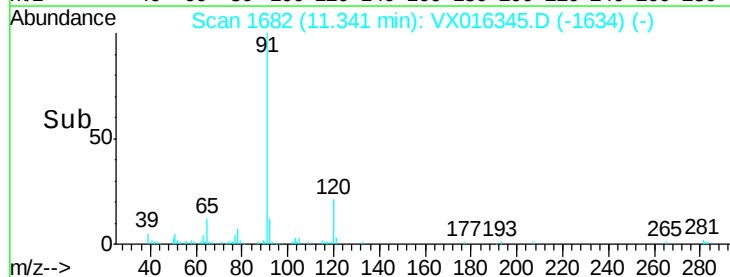
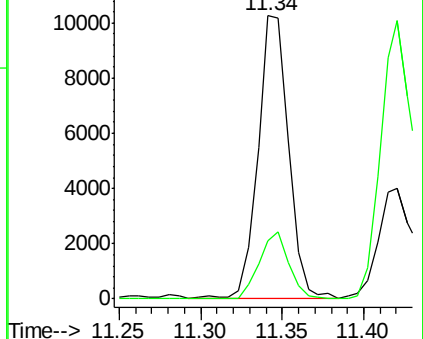
91 100

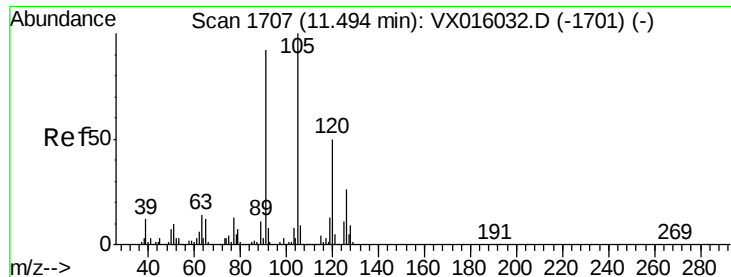
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

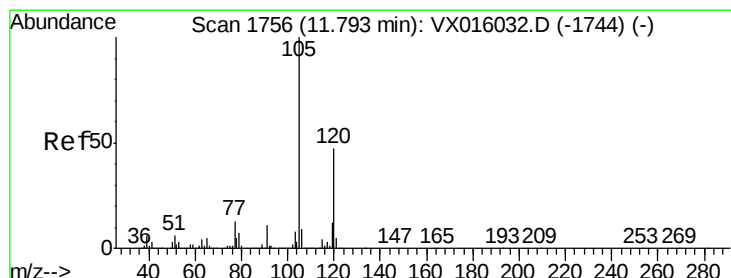
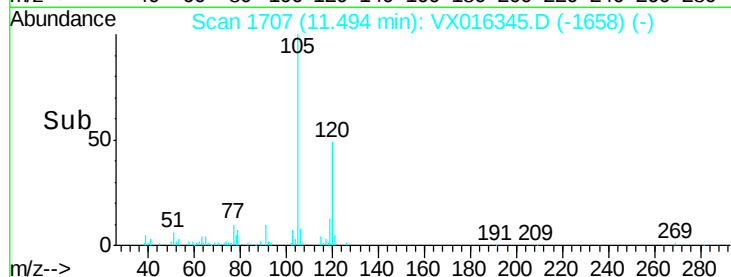
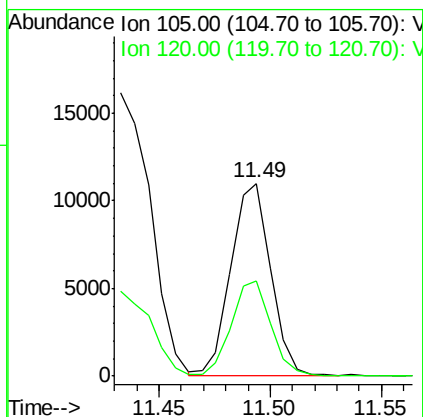
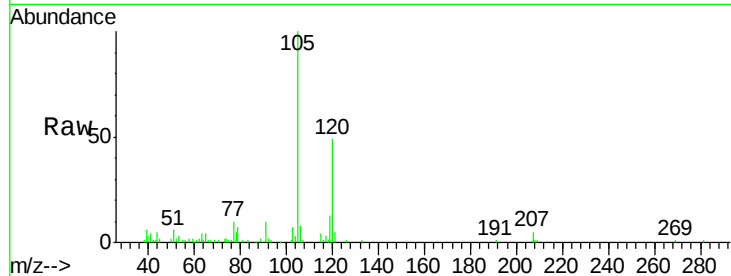




#80
 1,3,5-Trimethylbenzene
 Concen: 1.090 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016345.D
 Acq: 19 May 2020 19:12

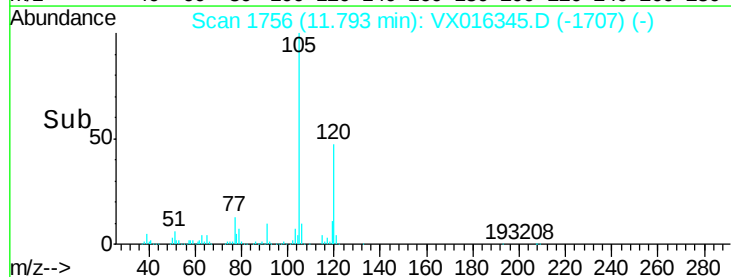
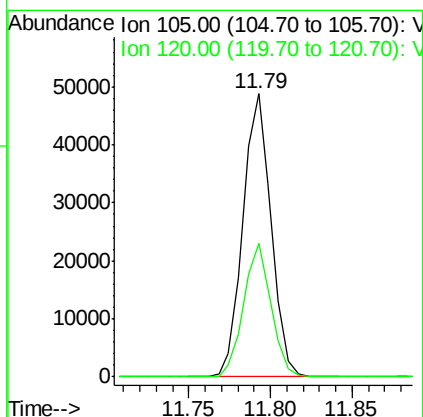
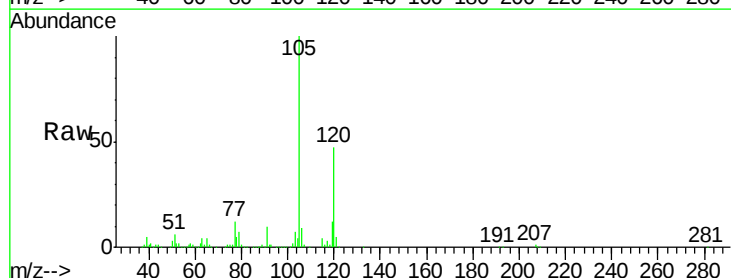
Instrument :
 MSVOA_X
 ClientSampleId :
 30559

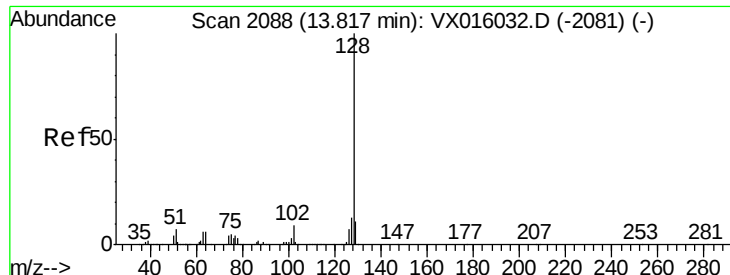
Tot Ion:105 Resp: 13792
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 74.0



#84
 1,2,4-Trimethylbenzene
 Concen: 4.601 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016345.D
 Acq: 19 May 2020 19:12

Tgt Ion:105 Resp: 58846
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0





#95

Naphthalene

Concen: 2.421 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016345.D

Acq: 19 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

30559

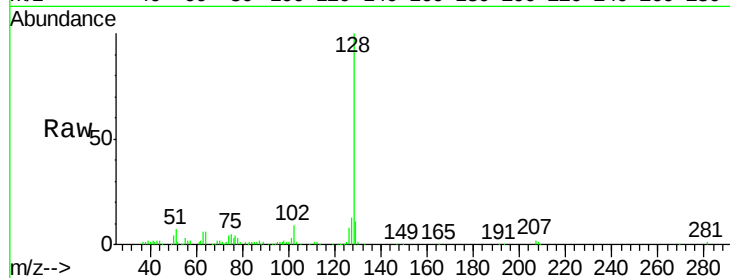
Tot Ion:128 Resp: 38807

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 11.3 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

