

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062220\
 Data File : VX016929.D
 Acq On : 22 Jun 2020 18:52
 Operator : JC/SP
 Sample : L3066-03DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FD_061820DL

Quant Time: Jun 23 08:23:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	334812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	577001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	598729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	283387	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	198261	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
35) Dibromofluoromethane	5.47	113	167845	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	
50) Toluene-d8	8.70	98	630854	42.72	ug/l	0.00
Spiked Amount			Recovery	=	85.44%	
62) 4-Bromofluorobenzene	11.12	95	276481	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	

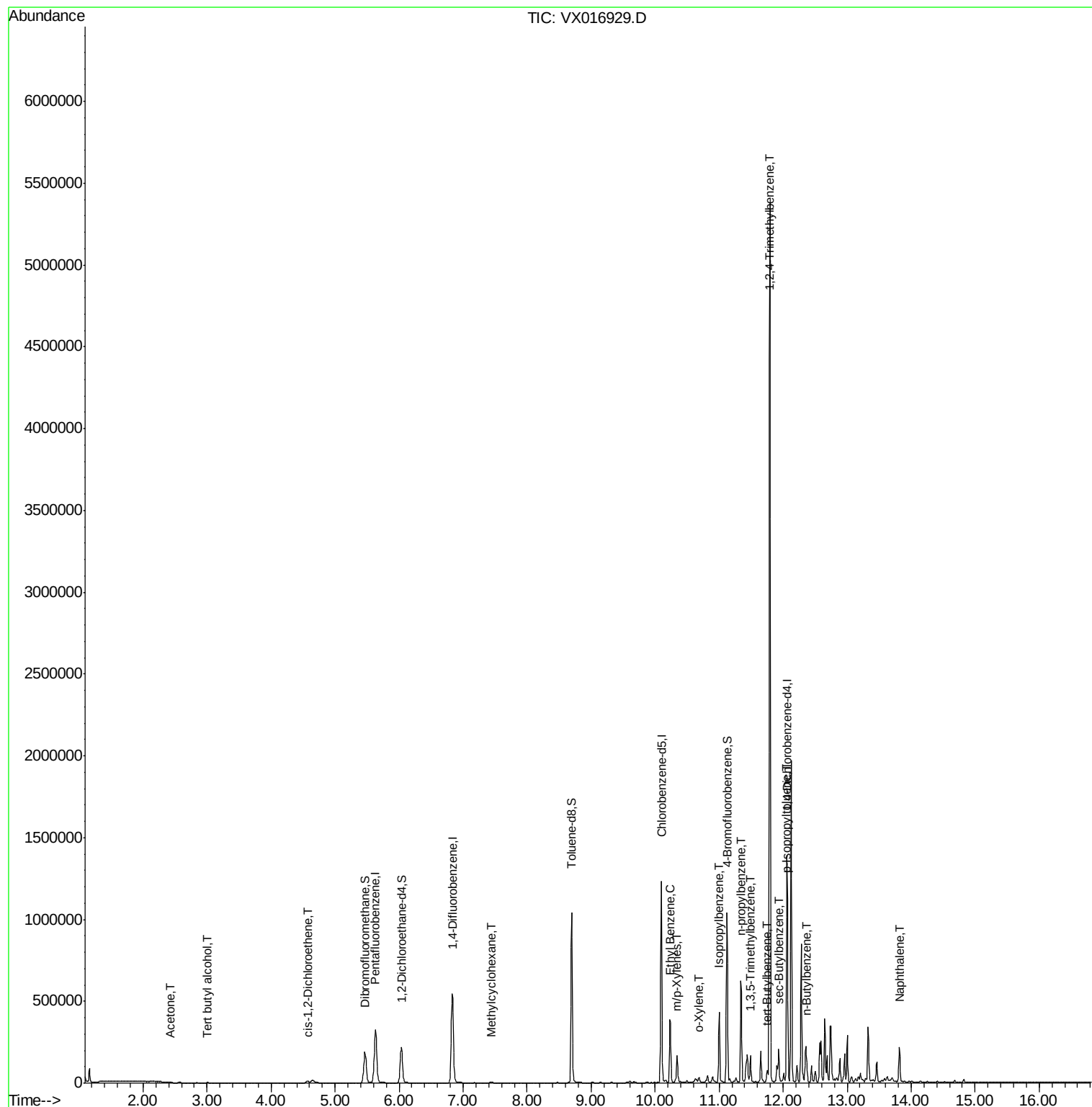
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	3099	4.553	ug/l	95
16) Acetone	2.42	43	2612	1.787	ug/l	92
27) cis-1,2-Dichloroethene	4.57	96	6773	1.784	ug/l	90
39) Methylcyclohexane	7.44	83	2560	0.413	ug/l	93
67) Ethyl Benzene	10.23	91	232961	11.388	ug/l	99
68) m/p-Xylenes	10.34	106	37199	4.673	ug/l	98
69) o-Xylene	10.68	106	6555	0.891	ug/l	93
73) Isopropylbenzene	11.00	105	230803	12.650	ug/l	100
78) n-propylbenzene	11.34	91	384421	18.878	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	71775	4.559	ug/l	100
83) tert-Butylbenzene	11.76	119	27425	1.761	ug/l	93
84) 1,2,4-Trimethylbenzene	11.79	105	2312839	142.622	ug/l	97
85) sec-Butylbenzene	11.93	105	112737	6.232	ug/l #	78
86) p-Isopropyltoluene	12.05	119	46068	2.779	ug/l	100
89) n-Butylbenzene	12.37	91	56560	3.979	ug/l #	65
95) Naphthalene	13.82	128	129687	7.495	ug/l	99

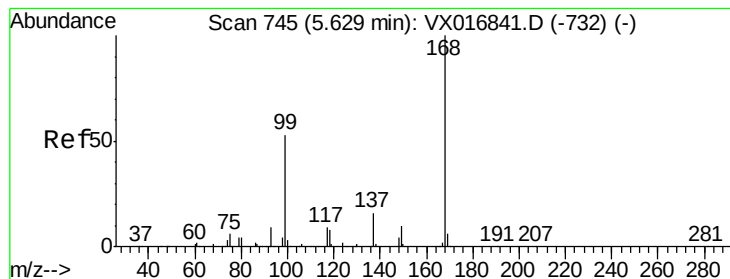
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 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: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

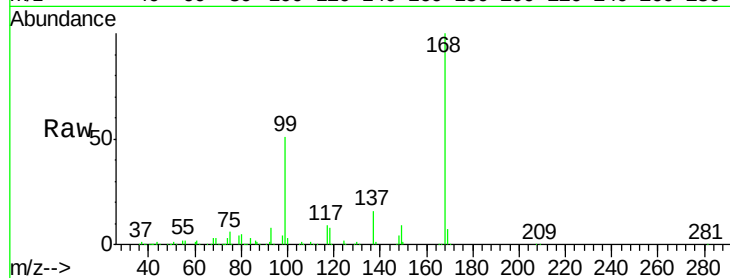
FD_061820DL

Tot Ion:168 Resp: 334812

Ion Ratio Lower Upper

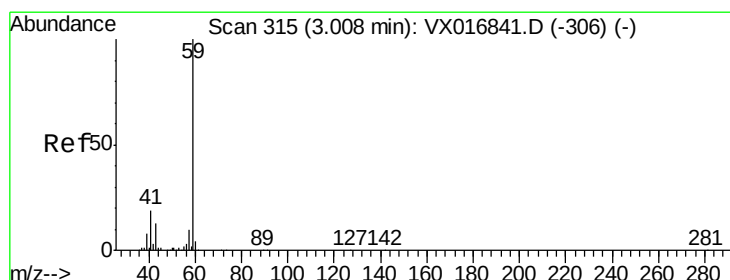
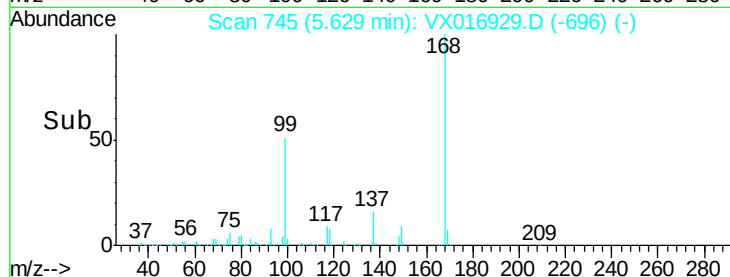
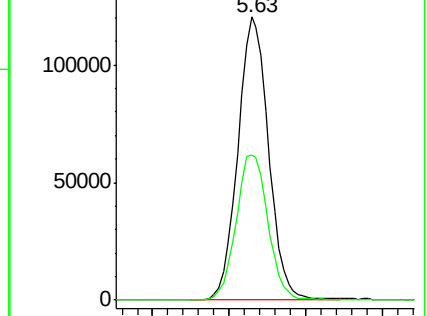
168 100

99 51.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 4.553 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX016929.D

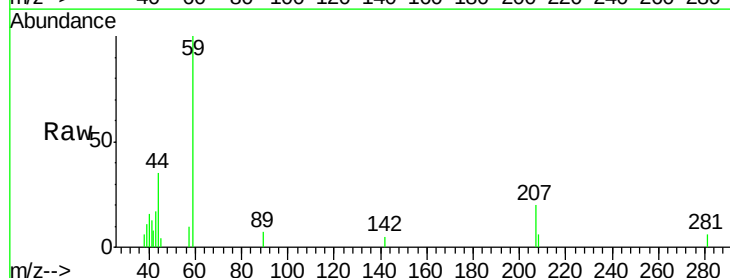
Acq: 22 Jun 2020 18:52

Tgt Ion: 59 Resp: 3099

Ion Ratio Lower Upper

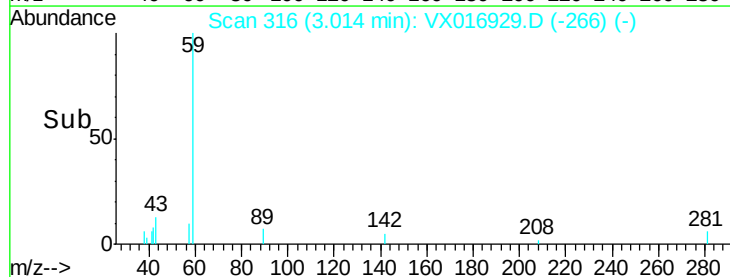
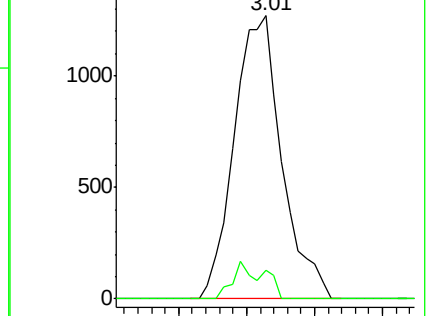
59 100

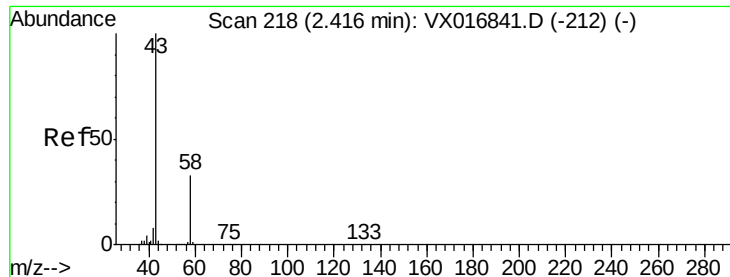
57 8.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.787 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

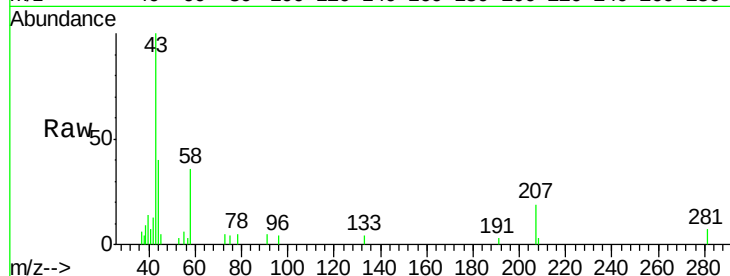
FD_061820DL

Tot Ion: 43 Resp: 2612

Ion Ratio Lower Upper

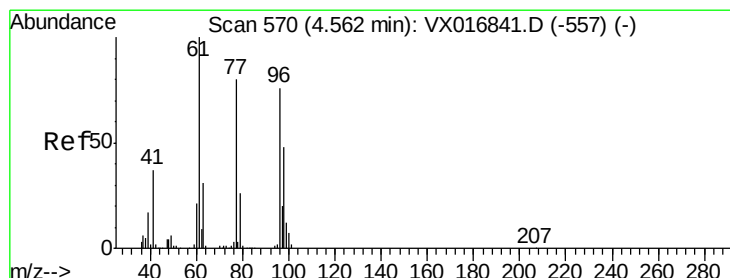
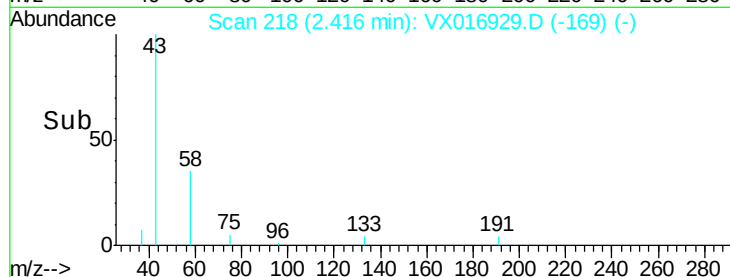
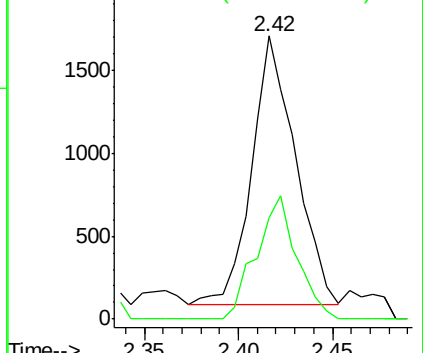
43 100

58 37.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.784 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

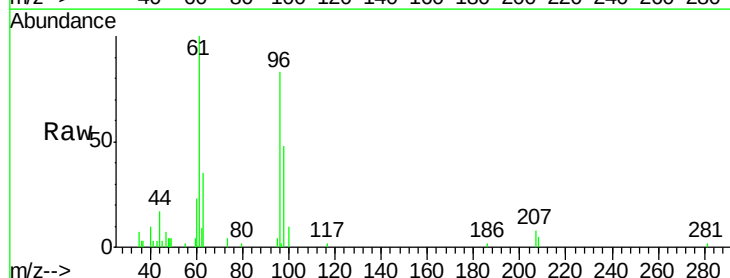
Tgt Ion: 96 Resp: 6773

Ion Ratio Lower Upper

96 100

61 121.0 0.0 273.8

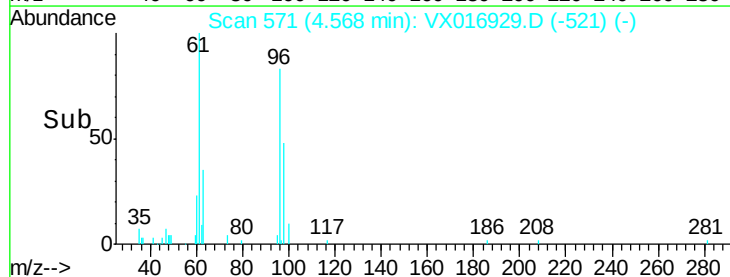
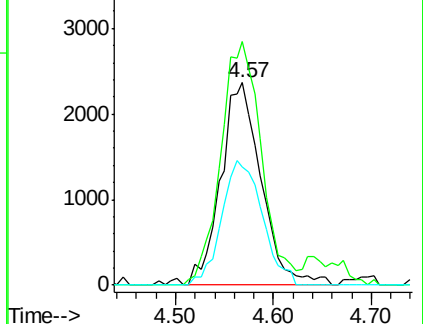
98 61.8 0.0 129.0

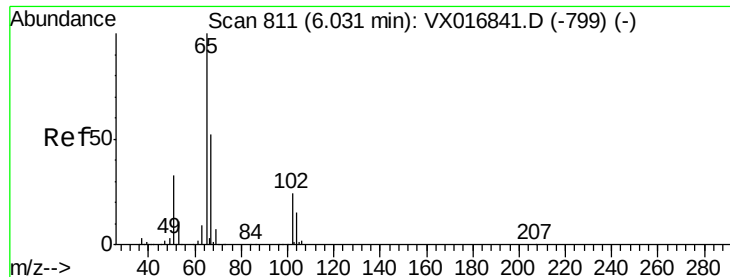


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.237 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

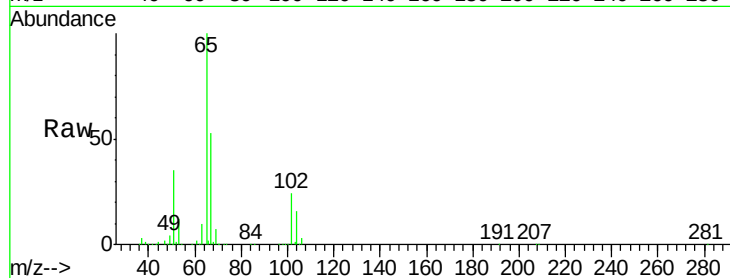
FD_061820DL

Tot Ion: 65 Resp: 198261

Ion Ratio Lower Upper

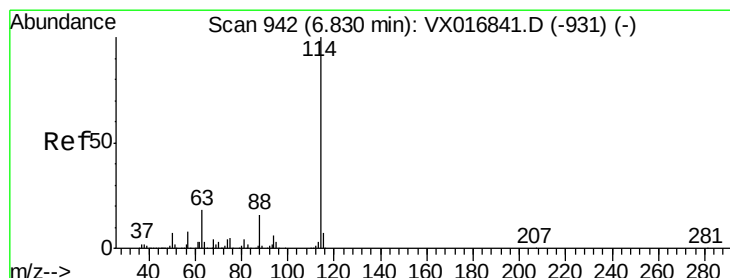
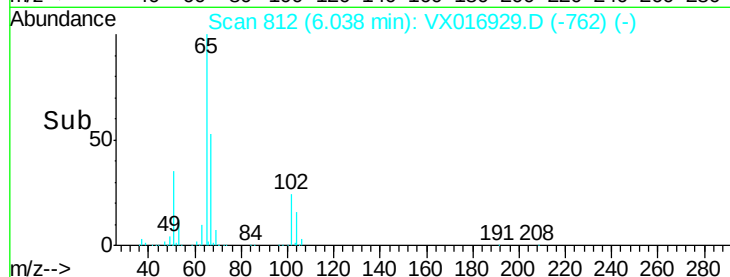
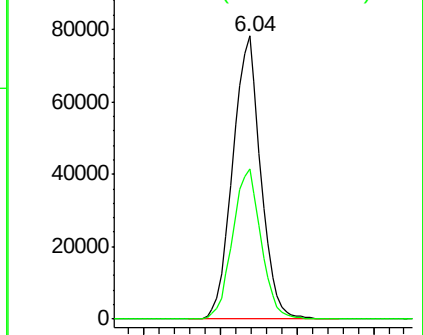
65 100

67 54.0 0.0 102.6



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: VX016929.D

Acq: 22 Jun 2020 18:52

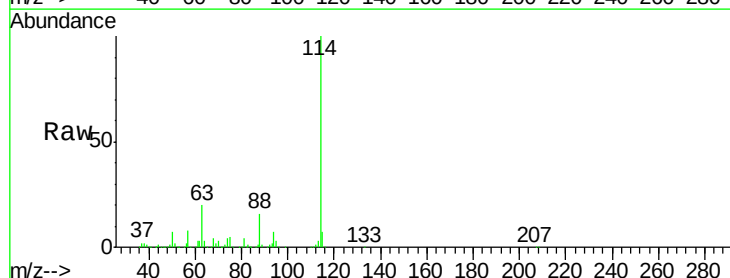
Tgt Ion: 114 Resp: 577001

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.0

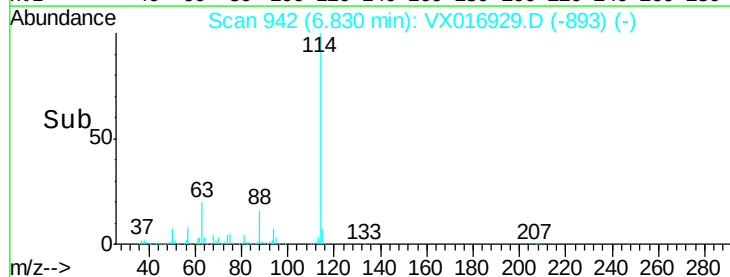
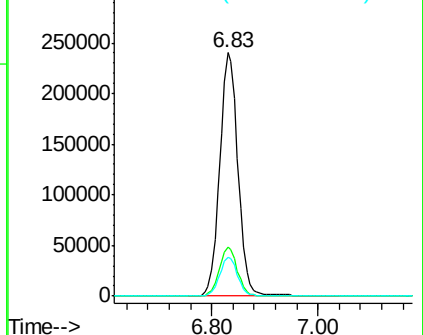
88 16.0 0.0 32.0

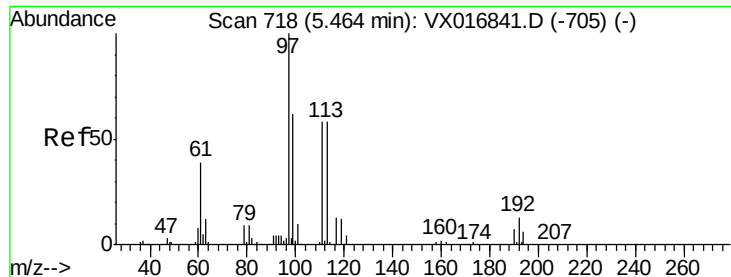


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.473 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

FD_061820DL

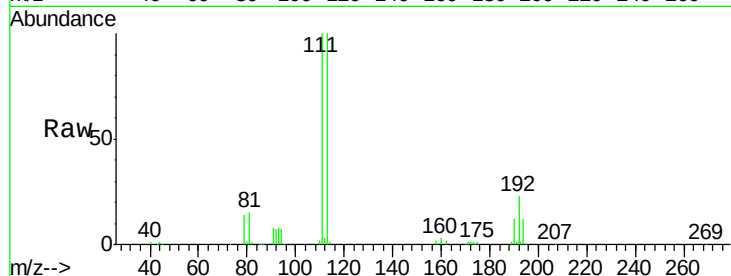
Tot Ion:113 Resp: 167845

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

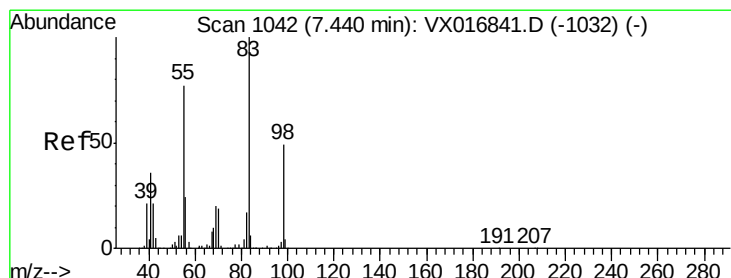
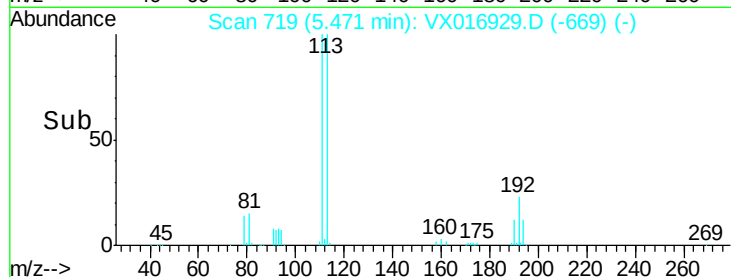
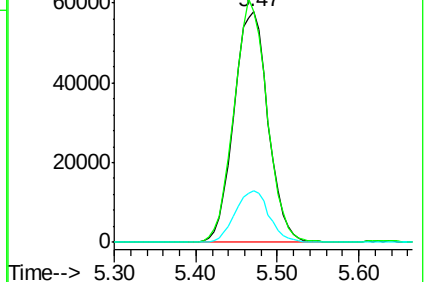
192 22.4 18.5 27.7



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

Methylcyclohexane

Concen: 0.413 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

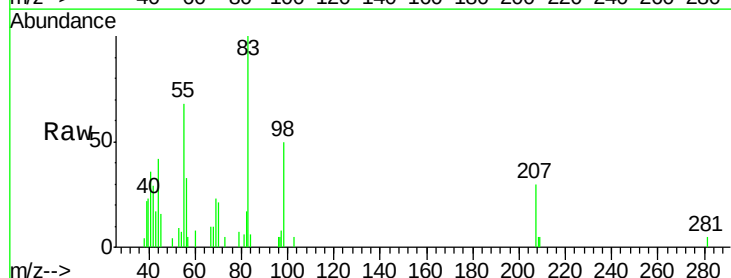
Tgt Ion: 83 Resp: 2560

Ion Ratio Lower Upper

83 100

55 68.2 61.7 92.5

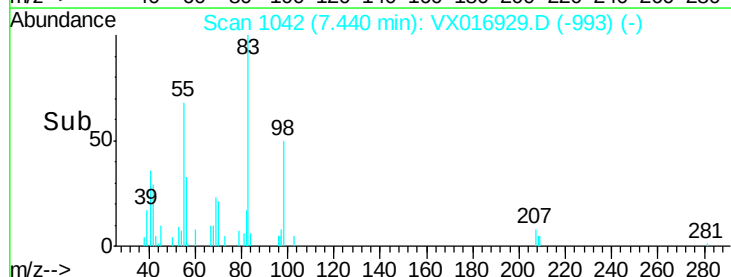
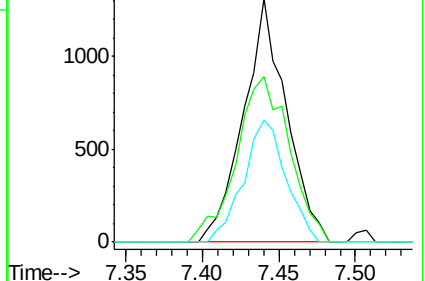
98 50.2 39.0 58.6

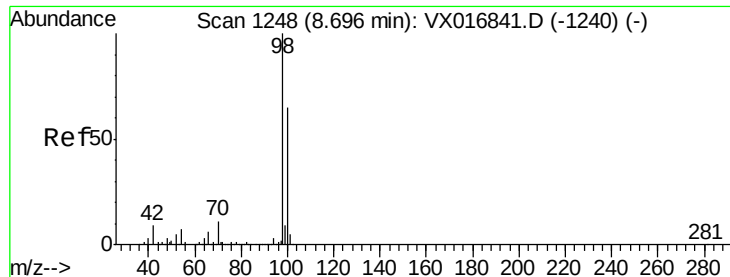


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 42.719 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

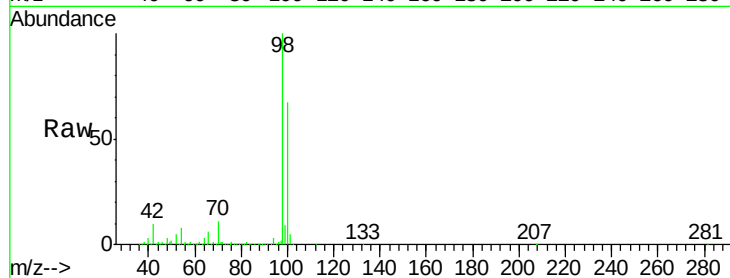
FD_061820DL

Tot Ion: 98 Resp: 630854

Ion Ratio Lower Upper

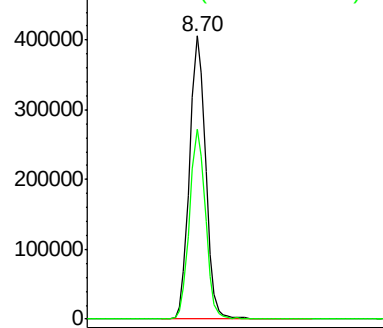
98 100

100 66.6 54.0 81.0

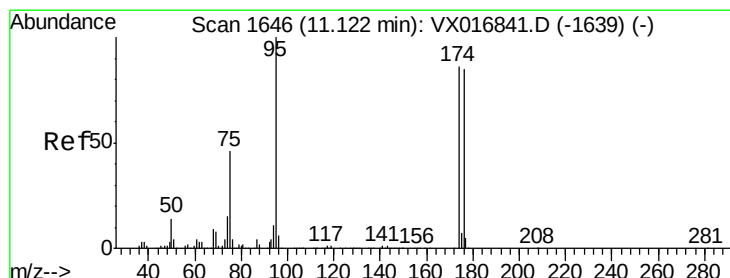
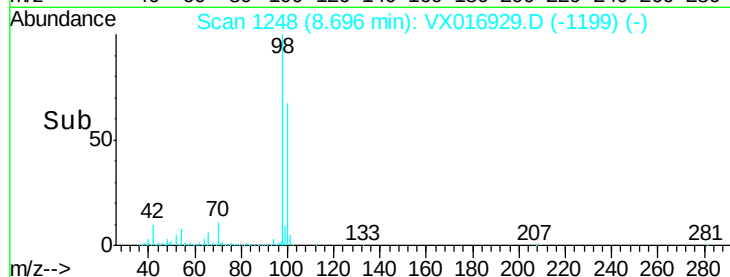


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



Time-->



#62

4-Bromofluorobenzene

Concen: 48.865 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

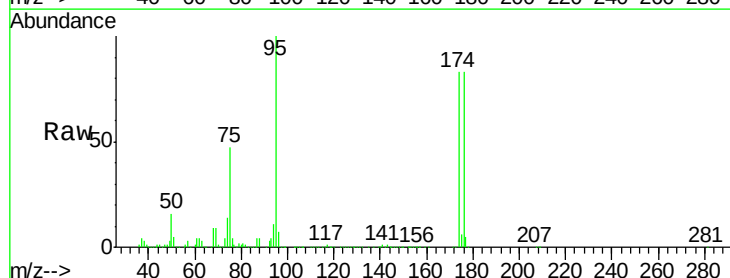
Tgt Ion: 95 Resp: 276481

Ion Ratio Lower Upper

95 100

174 83.9 0.0 174.2

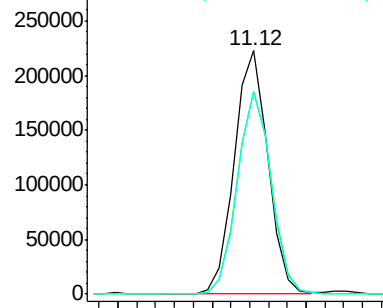
176 83.0 0.0 170.0



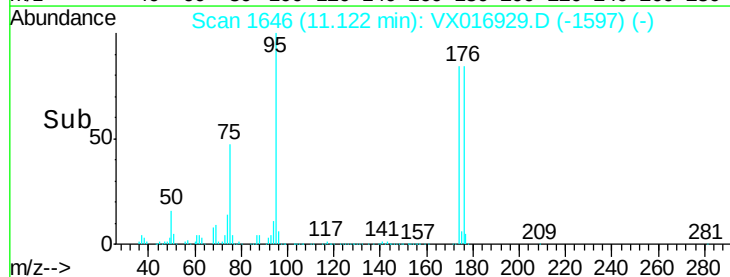
Abundance Ion 94.90 (94.60 to 95.60): VX0

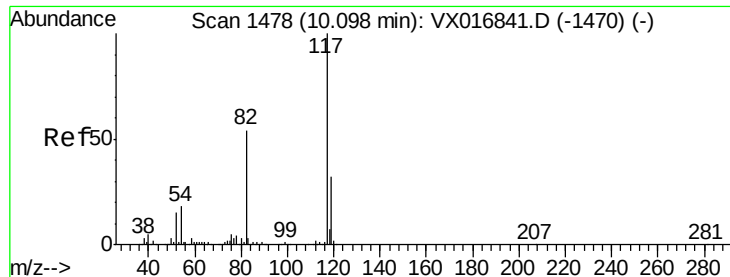
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

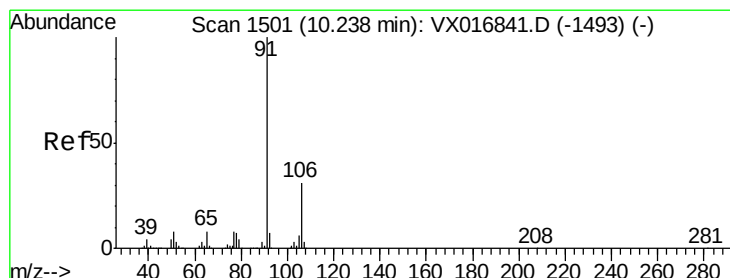
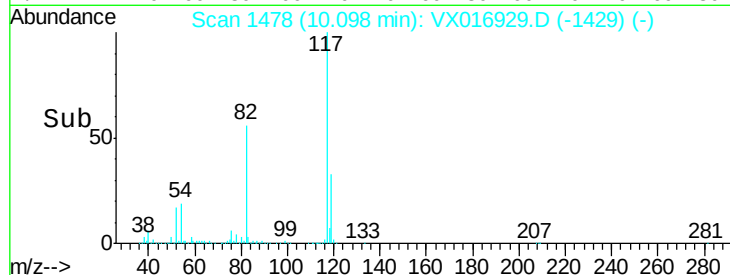
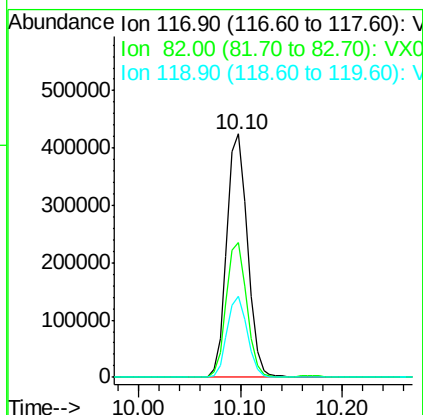
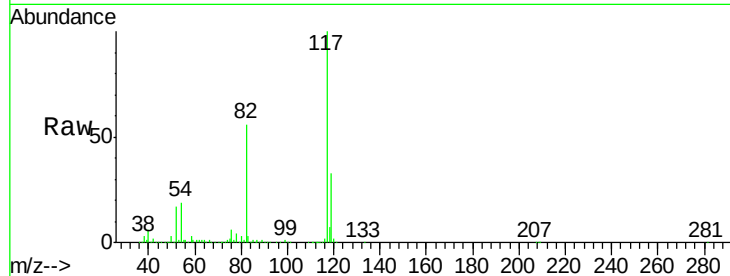




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016929.D
Acq: 22 Jun 2020 18:52

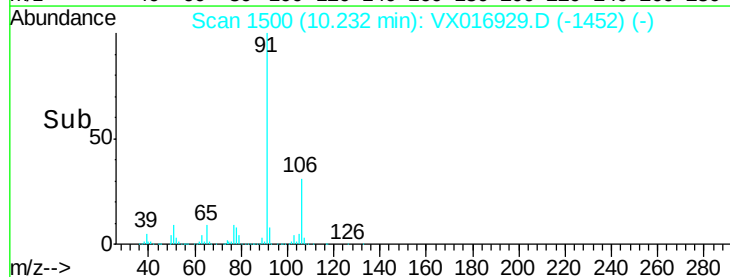
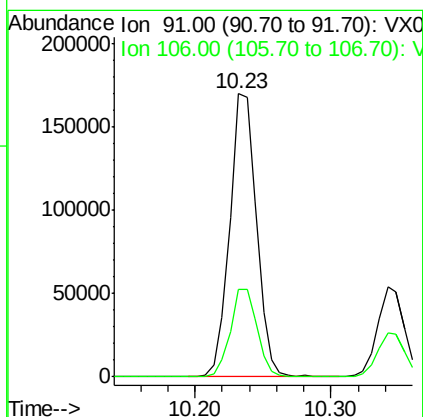
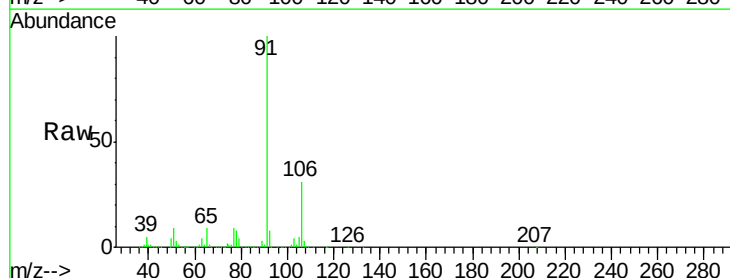
Instrument :
MSVOA_X
ClientSampled :
FD_061820DL

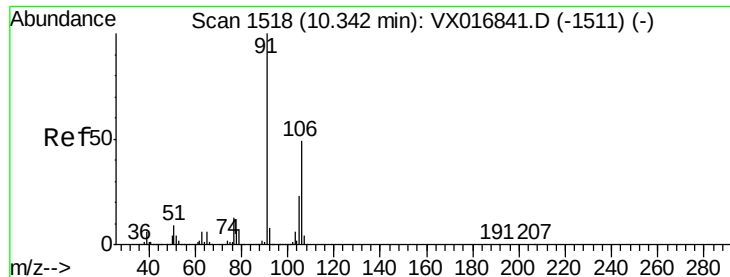
Tot Ion:117 Resp: 598729
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 33.4 25.7 38.5



#67
Ethyl Benzene
Concen: 11.388 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016929.D
Acq: 22 Jun 2020 18:52

Tgt Ion: 91 Resp: 232961
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7





#68

m/p-Xylenes

Concen: 4.673 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

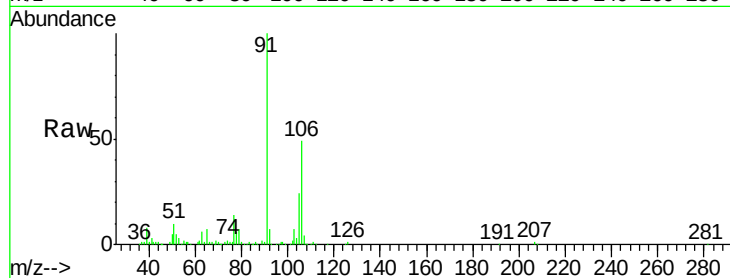
FD_061820DL

Tot Ion:106 Resp: 37199

Ion Ratio Lower Upper

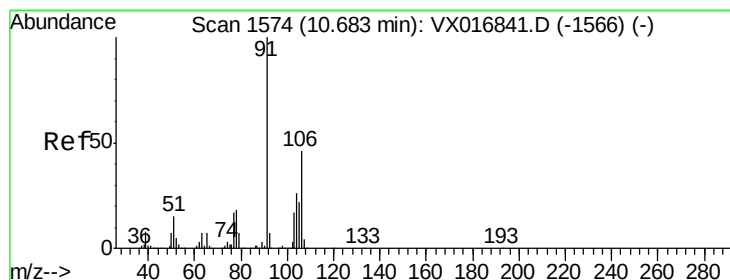
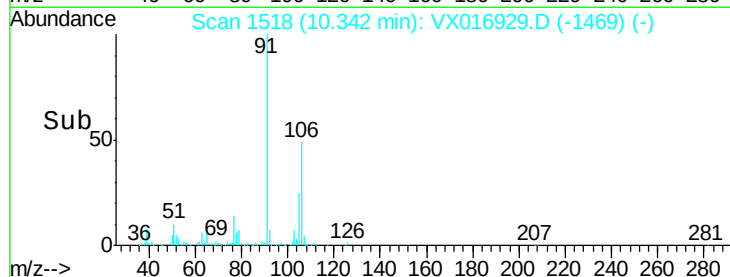
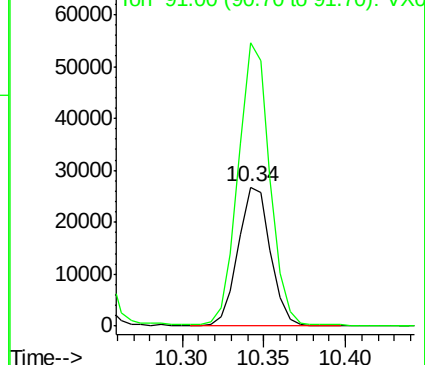
106 100

91 199.5 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.891 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016929.D

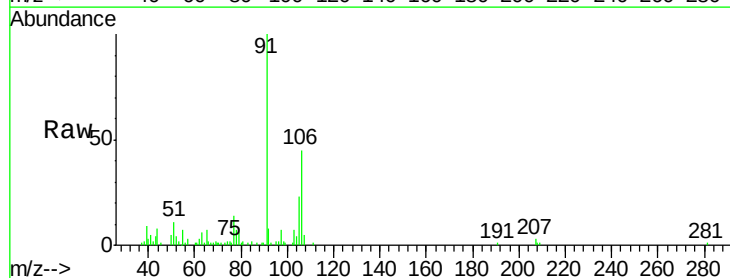
Acq: 22 Jun 2020 18:52

Tgt Ion:106 Resp: 6555

Ion Ratio Lower Upper

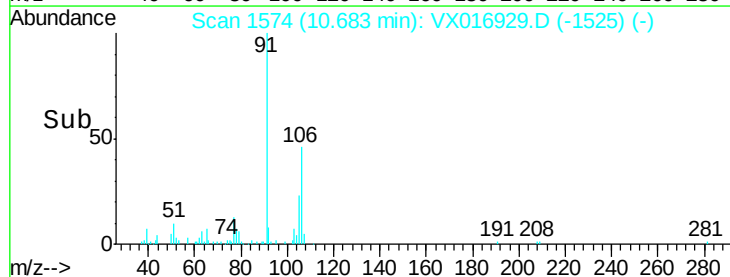
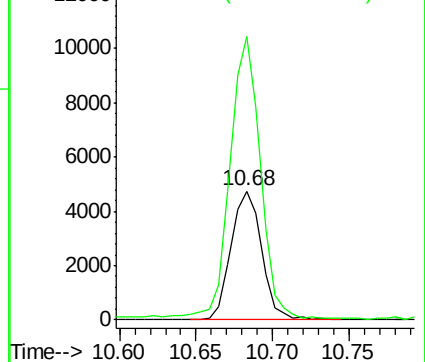
106 100

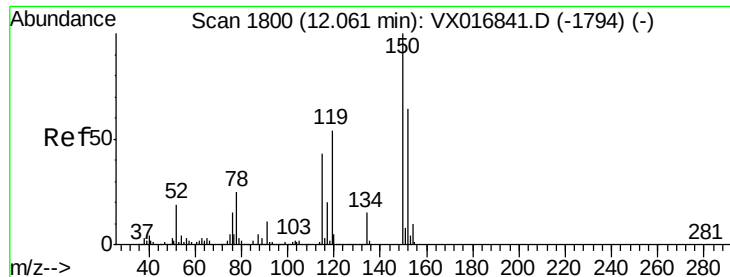
91 226.2 107.9 323.7



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: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

FD_061820DL

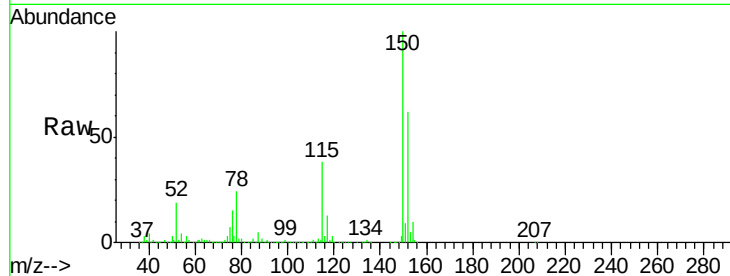
Tot Ion:152 Resp: 283387

Ion Ratio Lower Upper

152 100

115 59.3 40.9 122.8

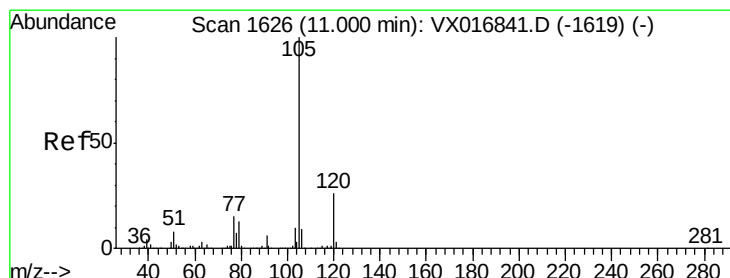
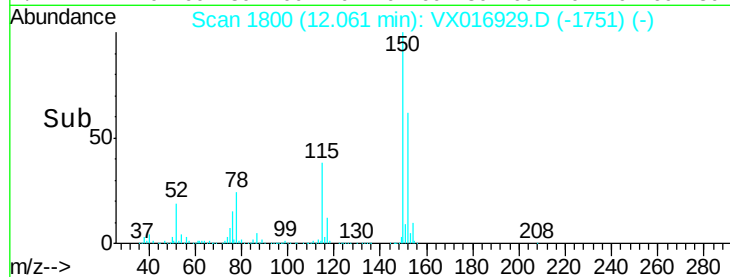
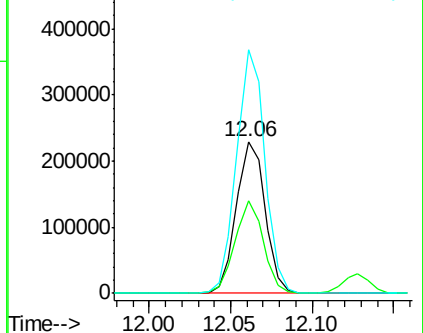
150 157.3 0.0 344.2



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: 12.650 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016929.D

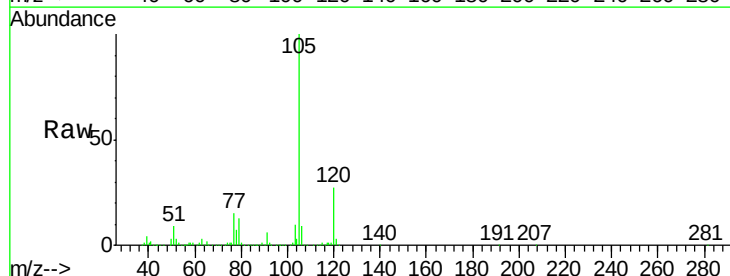
Acq: 22 Jun 2020 18:52

Tgt Ion:105 Resp: 230803

Ion Ratio Lower Upper

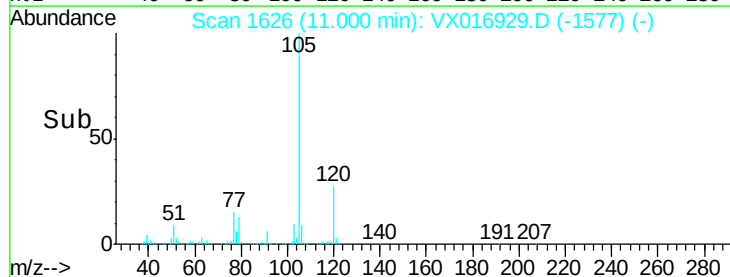
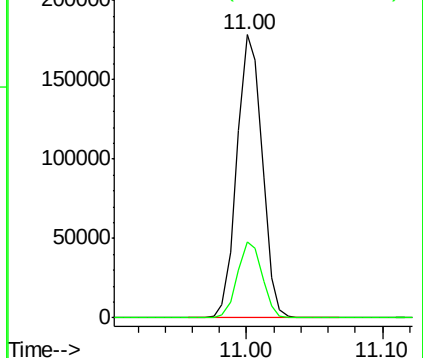
105 100

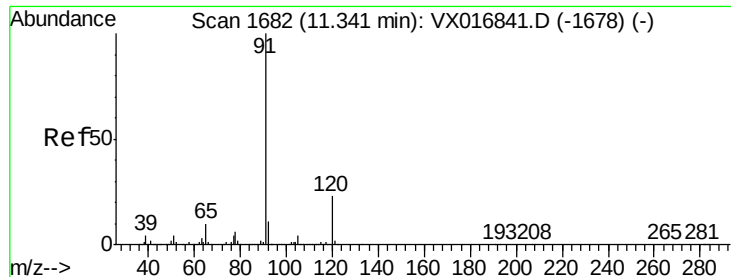
120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 18.878 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampled :

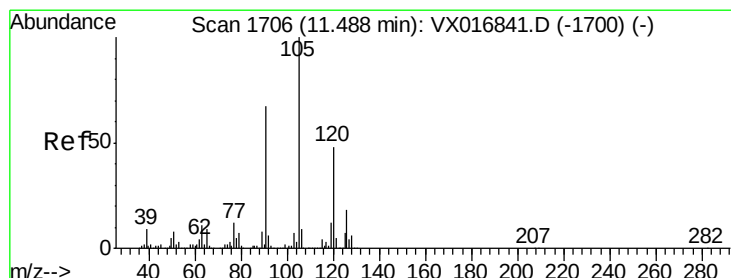
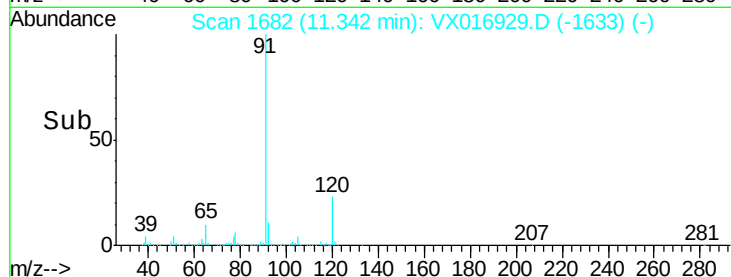
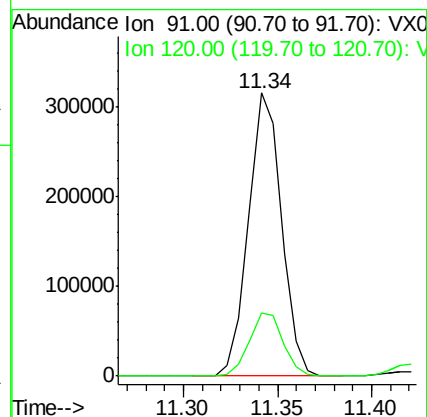
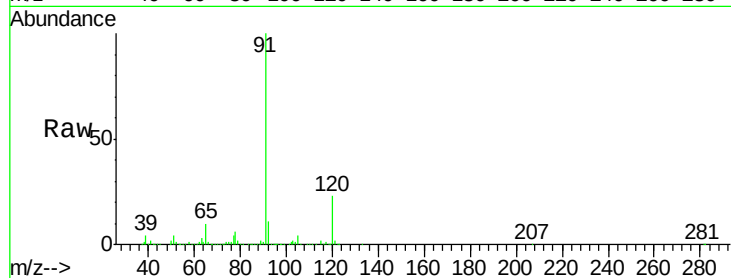
FD_061820DL

Tot Ion: 91 Resp: 384421

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 4.559 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016929.D

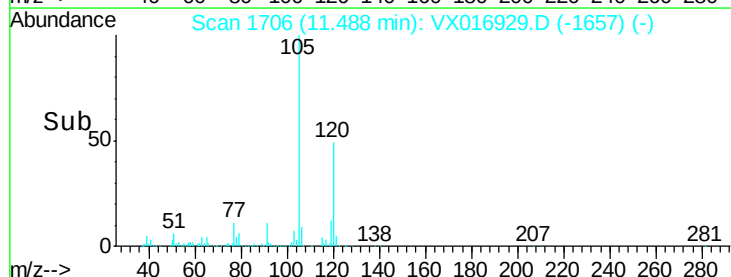
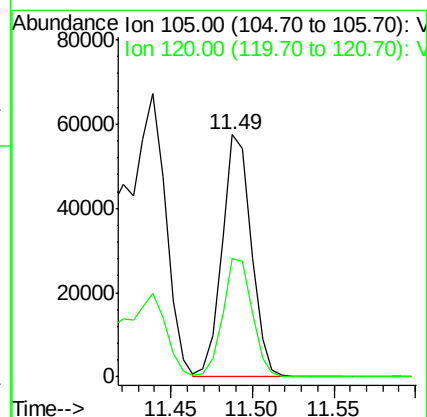
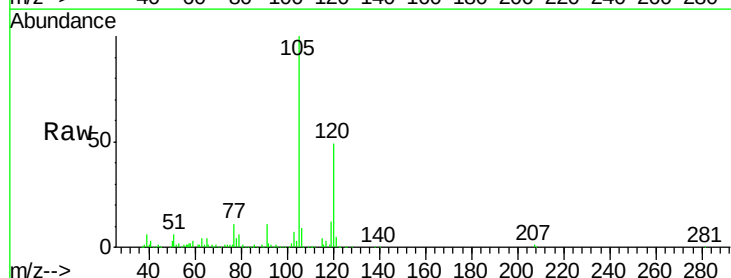
Acq: 22 Jun 2020 18:52

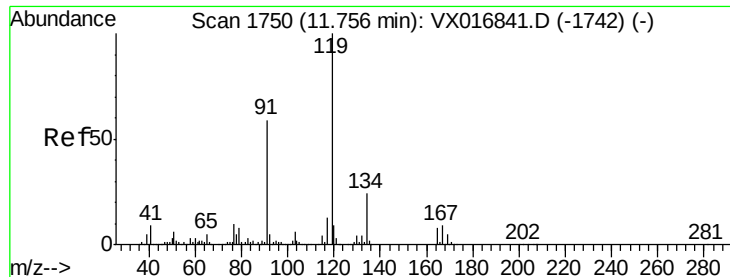
Tgt Ion:105 Resp: 71775

Ion Ratio Lower Upper

105 100

120 49.0 24.6 74.0

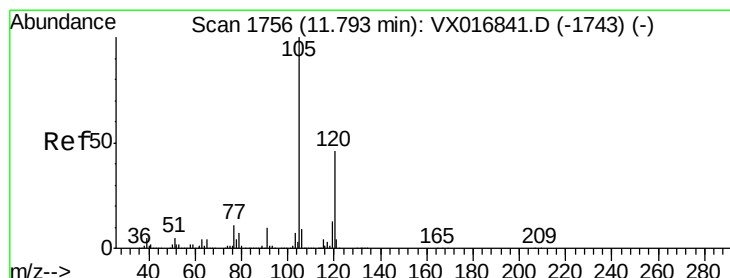
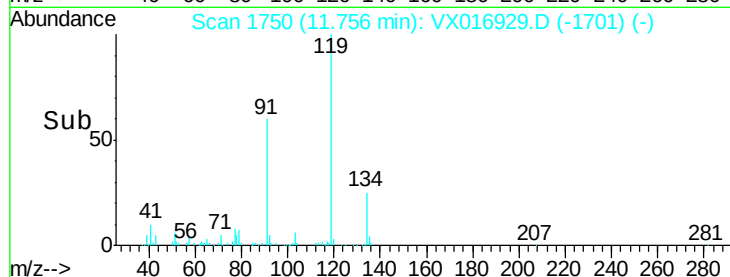
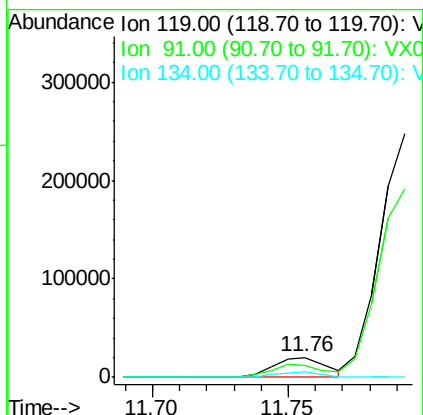
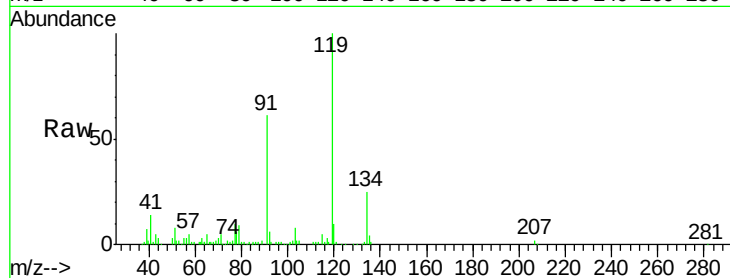




#83
 tert-Butylbenzene
 Concen: 1.761 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX016929.D
 Acq: 22 Jun 2020 18:52

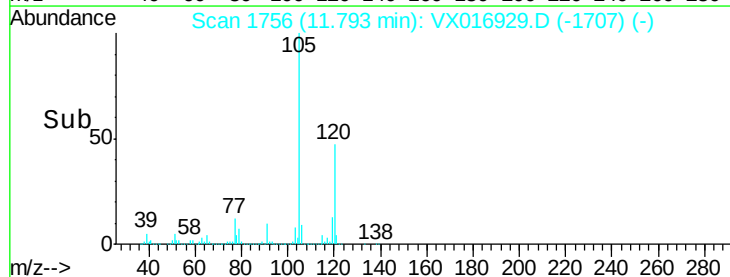
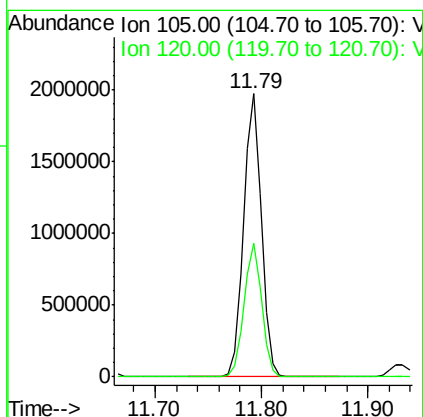
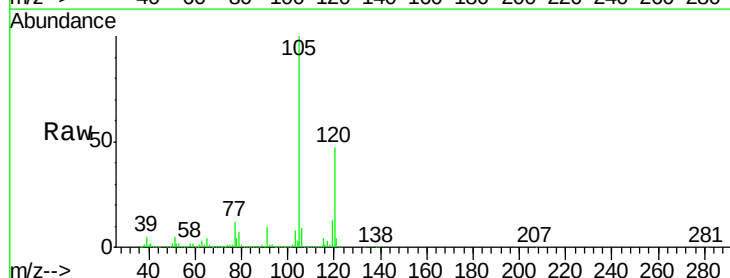
Instrument :
 MSVOA_X
 ClientSampleID :
 FD_061820DL

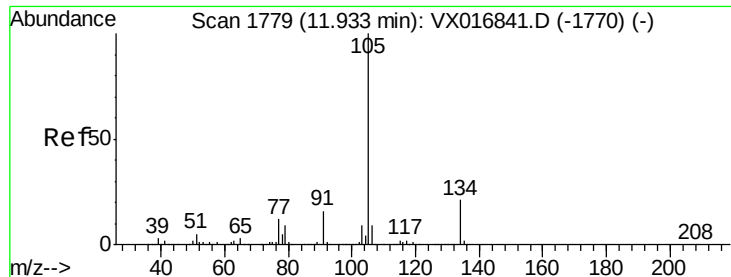
Tot Ion:119 Resp: 27425
 Ion Ratio Lower Upper
 119 100
 91 63.9 28.5 85.5
 134 23.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 142.622 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX016929.D
 Acq: 22 Jun 2020 18:52

Tgt Ion:105 Resp: 2312839
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 6.232 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampleID :

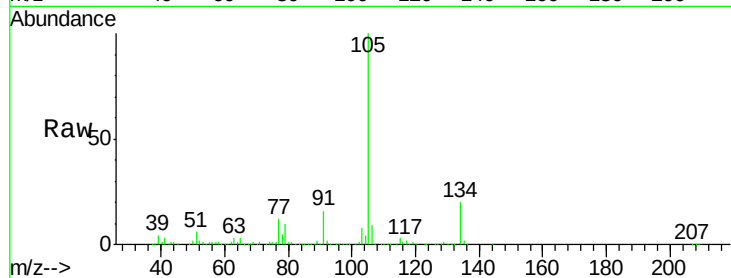
FD_061820DL

Tot Ion:105 Resp: 112737

Ion Ratio Lower Upper

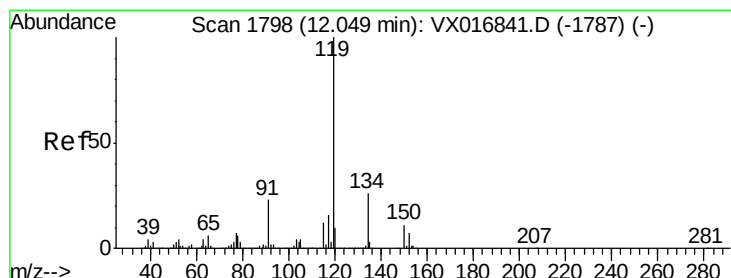
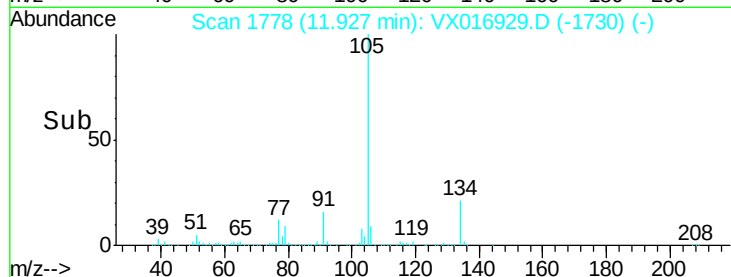
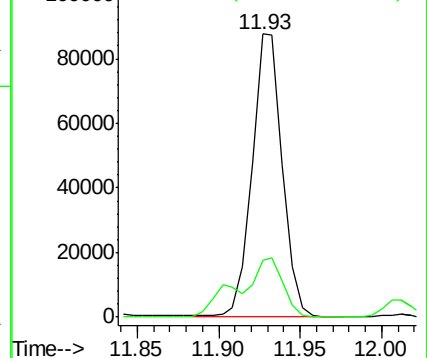
105 100

134 31.2 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.779 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

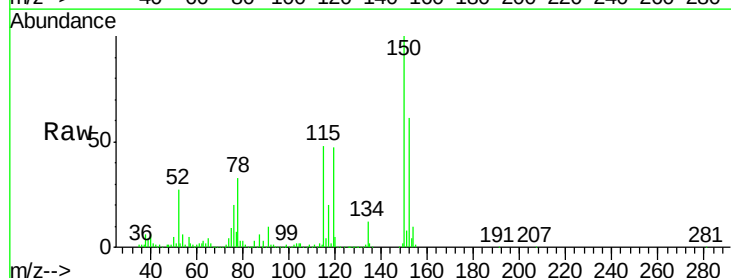
Tgt Ion:119 Resp: 46068

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

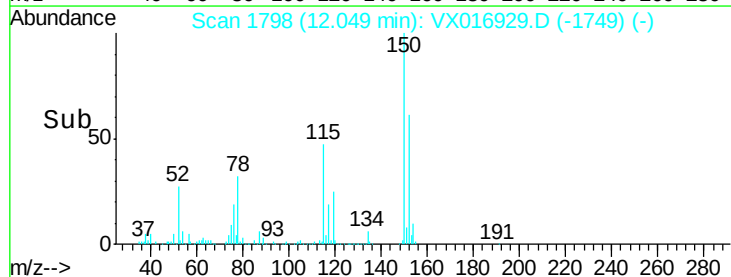
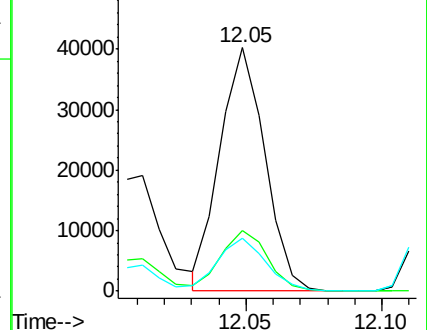
91 23.3 11.6 34.8

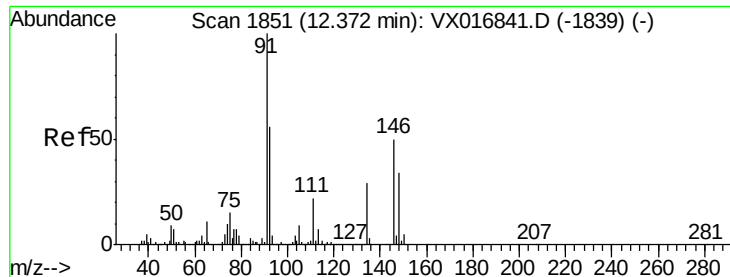


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 3.979 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

Instrument :

MSVOA_X

ClientSampled :

FD_061820DL

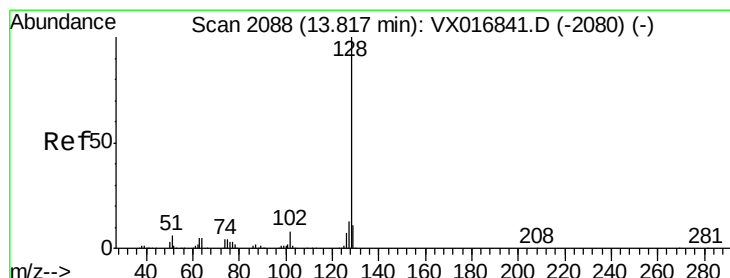
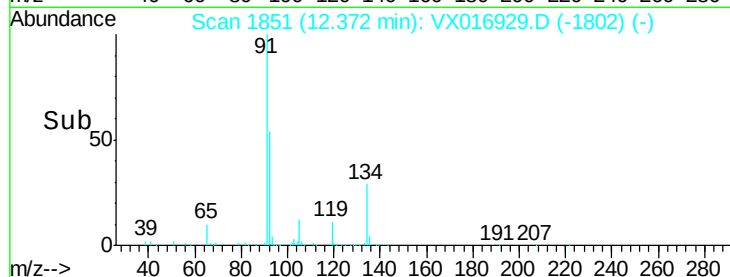
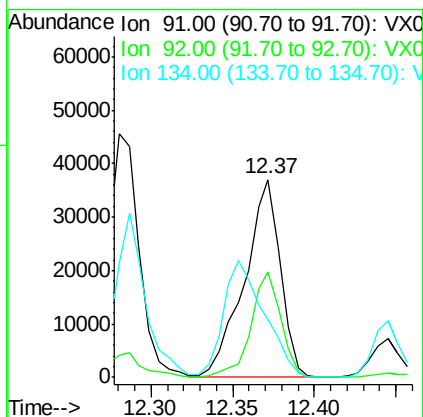
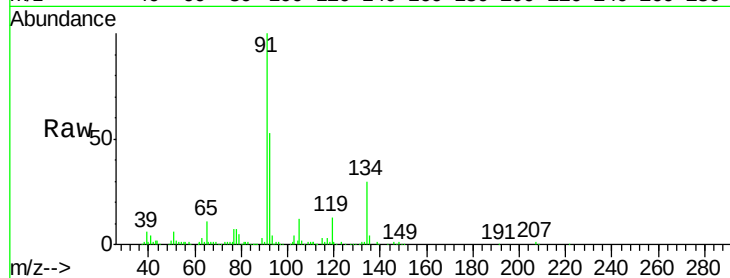
Tot Ion: 91 Resp: 56560

Ion Ratio Lower Upper

91 100

92 44.4 27.4 82.2

134 67.0 13.9 41.6#



#95

Naphthalene

Concen: 7.495 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016929.D

Acq: 22 Jun 2020 18:52

Tgt Ion: 128 Resp: 129687

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.1 8.6 13.0

