

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020620\
 Data File : VX014856.D
 Acq On : 06 Feb 2020 18:30
 Operator : JC/SP
 Sample : L1420-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 400205799-VOA

Quant Time: Feb 07 13:14:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	460273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	706333	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	655988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	329363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	254402	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
35) Dibromofluoromethane	5.48	113	207223	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
50) Toluene-d8	8.71	98	844598	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.13	95	308958	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	

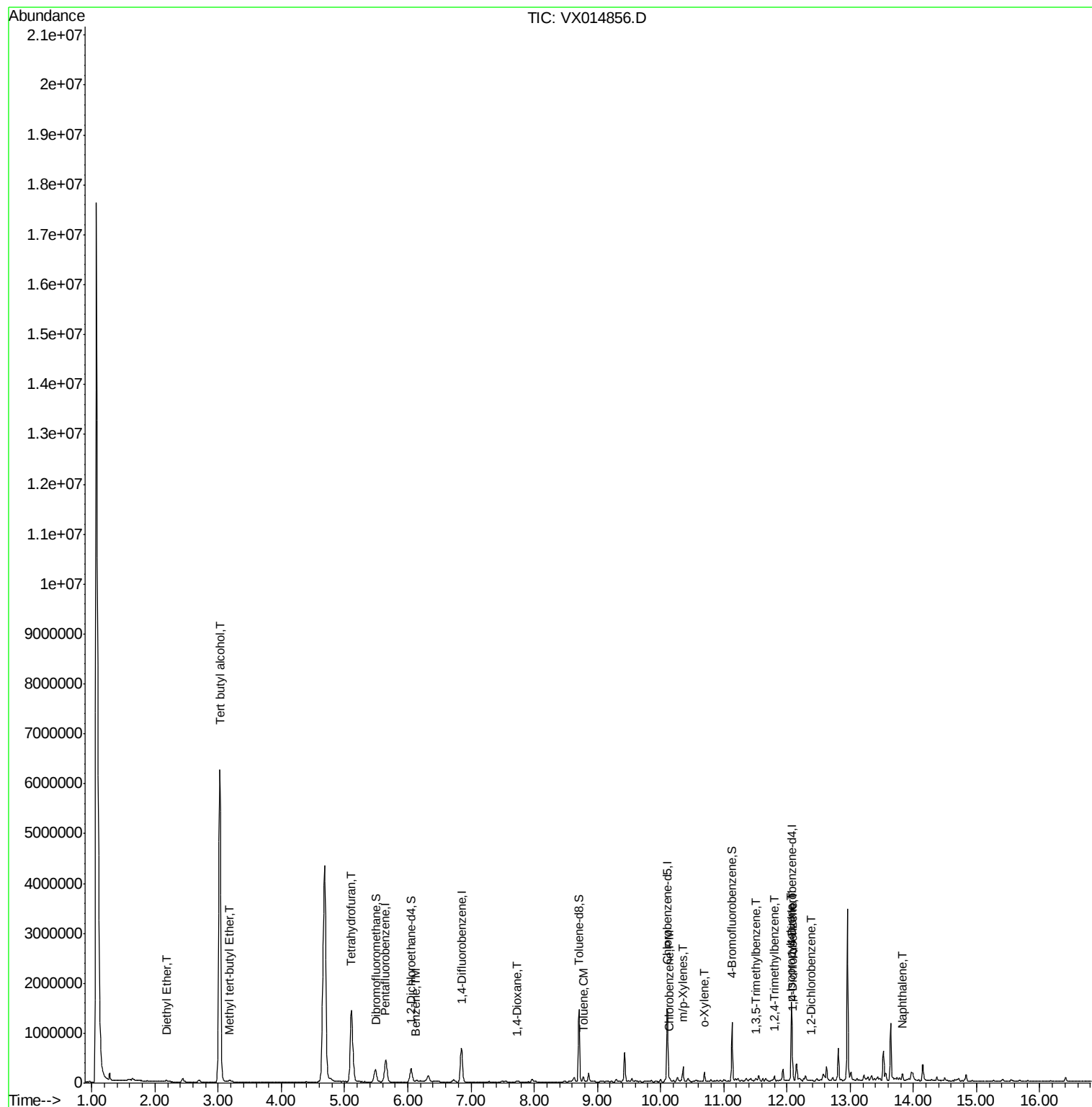
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	9089	2.656	ug/l	94
11) Tert butyl alcohol	3.03	59	7629751	6322.700	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	39561	2.640	ug/l	98
29) Tetrahydrofuran	5.11	42	1287046	513.790	ug/l	97
40) Benzene	6.13	78	36367	1.793	ug/l	100
49) 1,4-Dioxane	7.73	88	15011	120.403	ug/l	100
52) Toluene	8.78	92	27793	2.230	ug/l	95
65) Chlorobenzene	10.14	112	10508	0.749	ug/l #	68
68) m/p-Xylenes	10.36	106	65504	7.217	ug/l	99
69) o-Xylene	10.70	106	45707	5.216	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	14579	0.758	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	46953	2.435	ug/l	92
86) p-Isopropyltoluene	12.06	119	13201	0.646	ug/l	84
88) 1,4-Dichlorobenzene	12.09	146	50141	4.477	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	4391	0.395	ug/l	94
95) Naphthalene	13.83	128	52798	3.176	ug/l	99

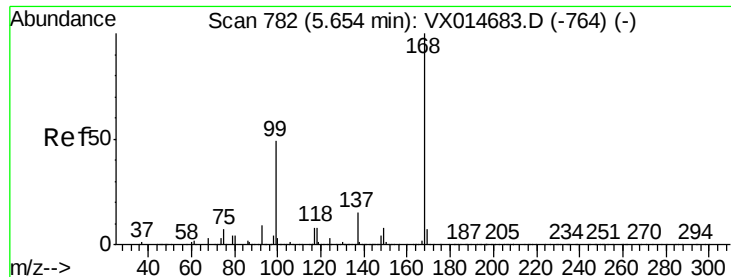
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

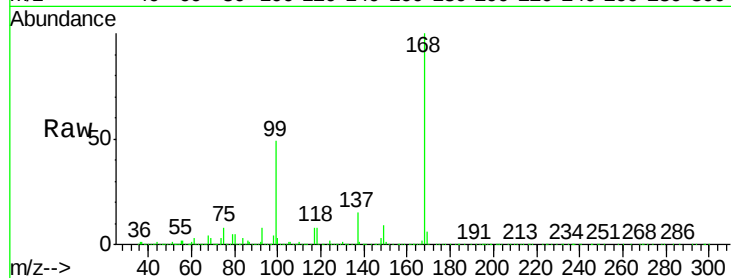
400205799-VOA

Tot Ion:168 Resp: 460273

Ion Ratio Lower Upper

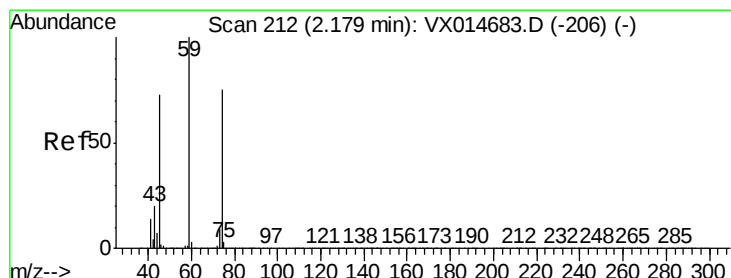
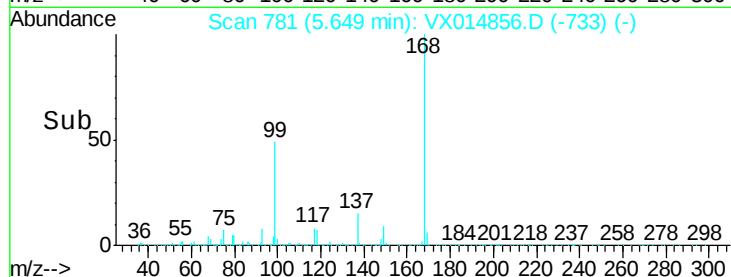
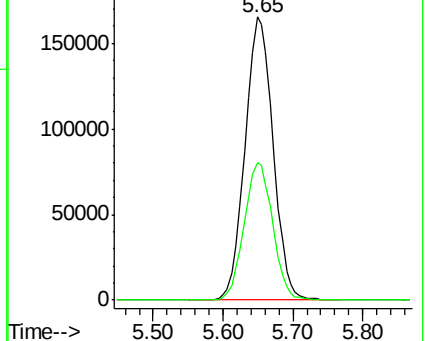
168 100

99 48.6 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 2.656 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX014856.D

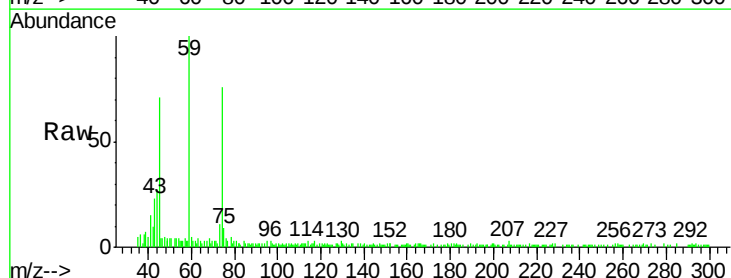
Acq: 06 Feb 2020 18:30

Tgt Ion: 74 Resp: 9089

Ion Ratio Lower Upper

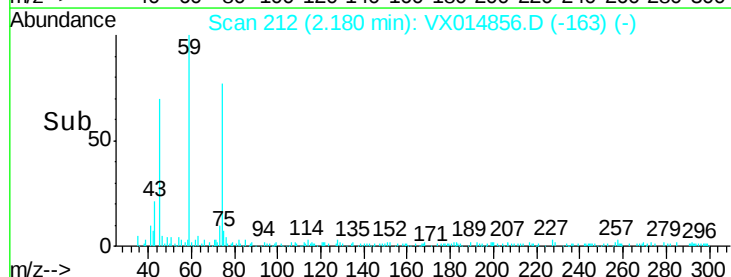
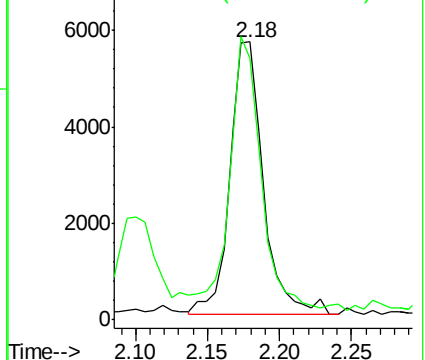
74 100

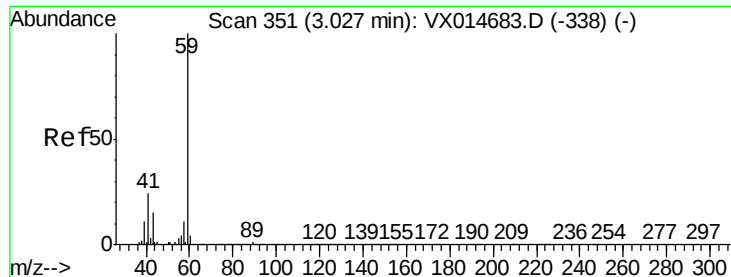
45 92.9 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



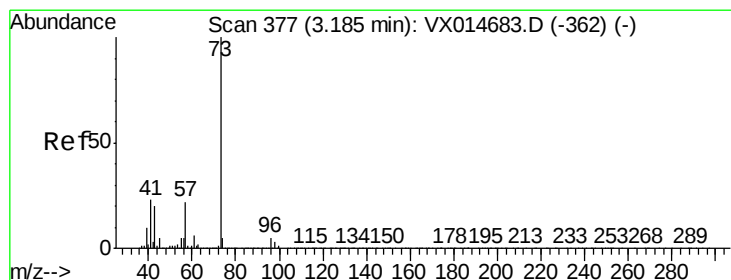
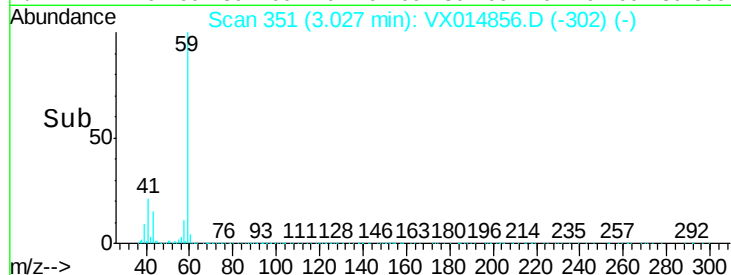
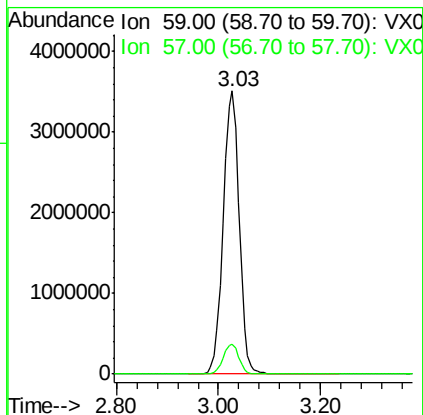
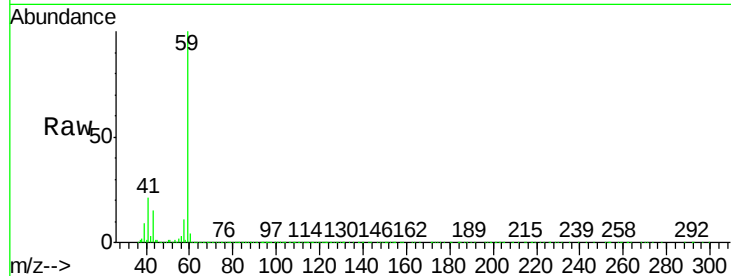


#11

Tert butyl alcohol
 Concen: 6322.700 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX014856.D
 Acq: 06 Feb 2020 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 400205799-VOA

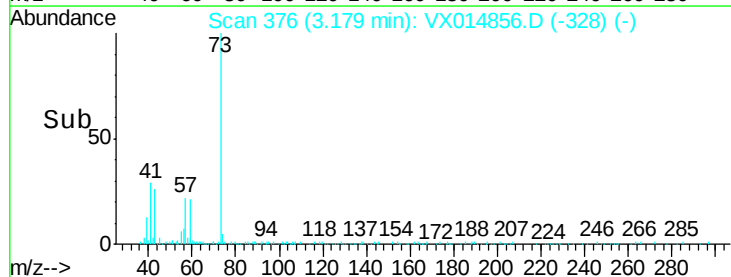
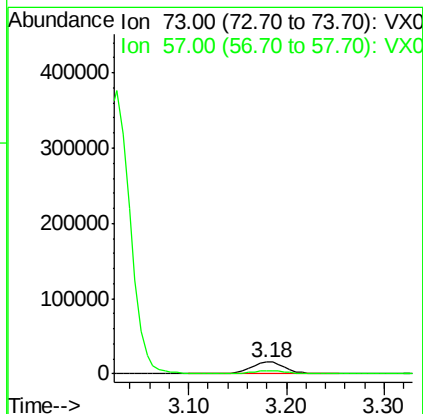
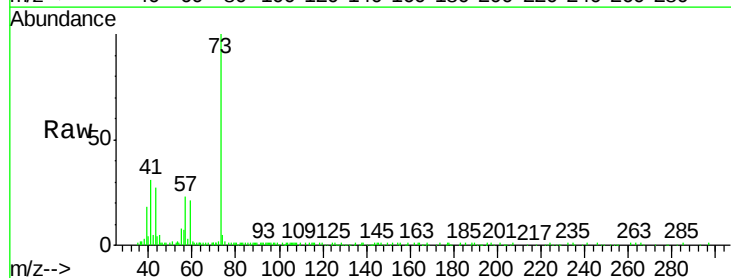
Tot Ion: 59 Resp: 7629751
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5

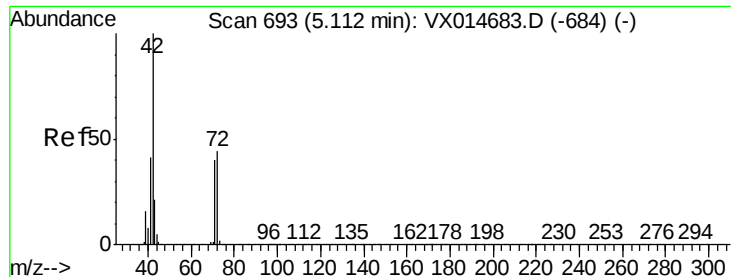


#19

Methyl tert-butyl Ether
 Concen: 2.640 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014856.D
 Acq: 06 Feb 2020 18:30

Tgt Ion: 73 Resp: 39561
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.0 27.0





#29

Tetrahydrofuran

Concen: 513.790 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

400205799-VOA

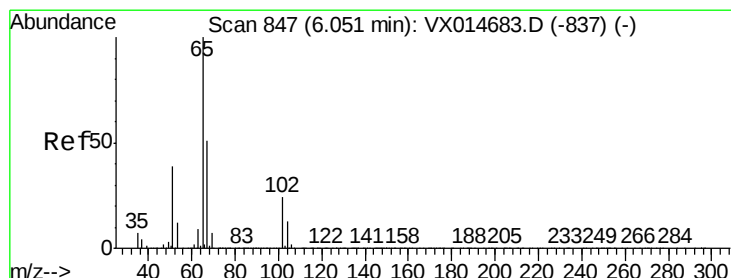
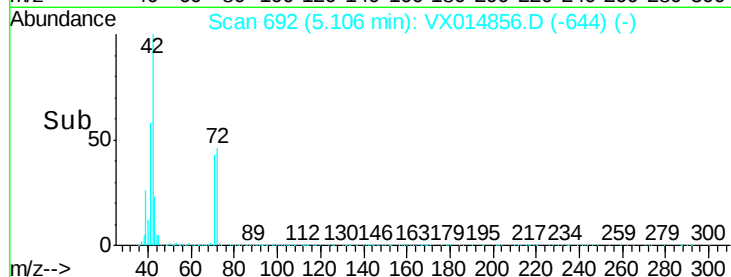
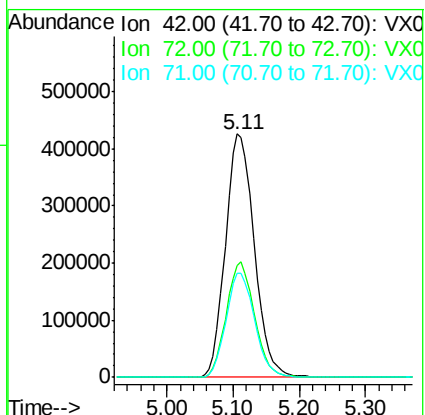
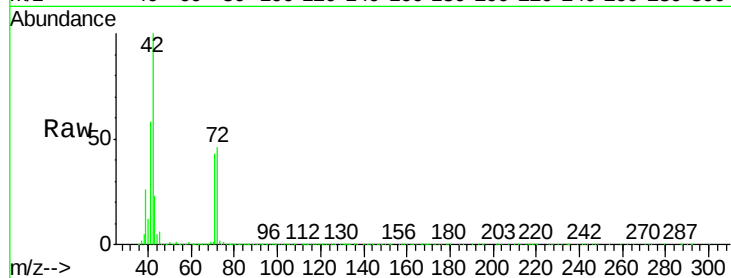
Tot Ion: 42 Resp: 1287046

Ion Ratio Lower Upper

42 100

72 46.2 35.3 52.9

71 42.7 33.1 49.7



#33

1,2-Dichloroethane-d4

Concen: 47.331 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014856.D

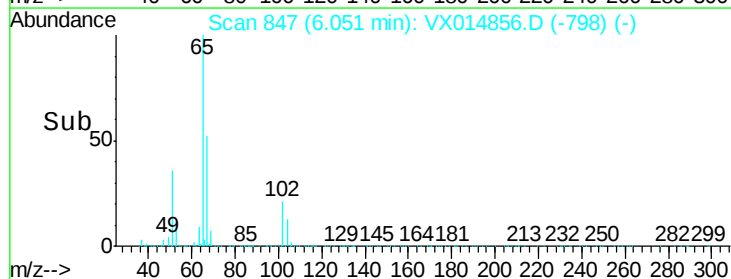
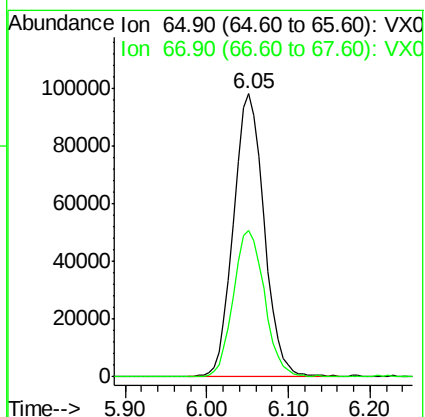
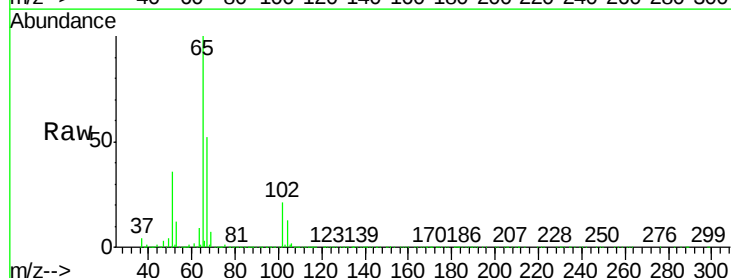
Acq: 06 Feb 2020 18:30

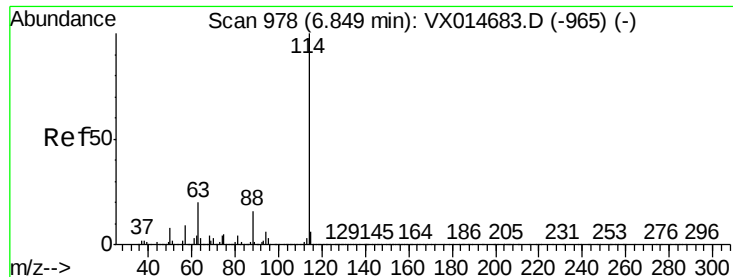
Tgt Ion: 65 Resp: 254402

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

400205799-VOA

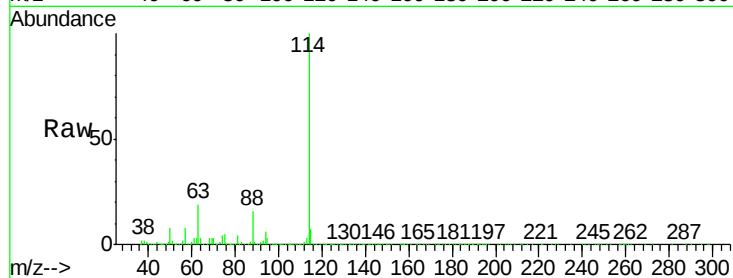
Tot Ion:114 Resp: 706333

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.6

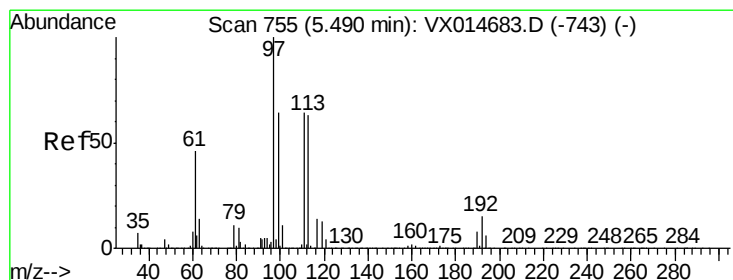
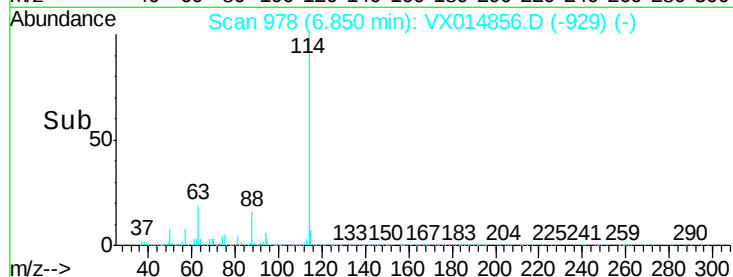
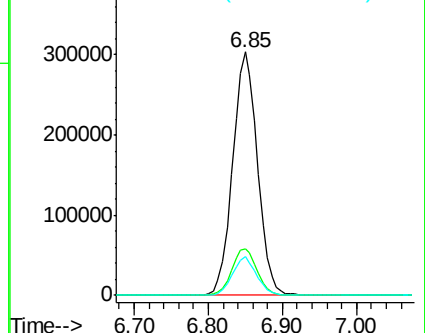
88 15.7 0.0 31.2



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: 46.495 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

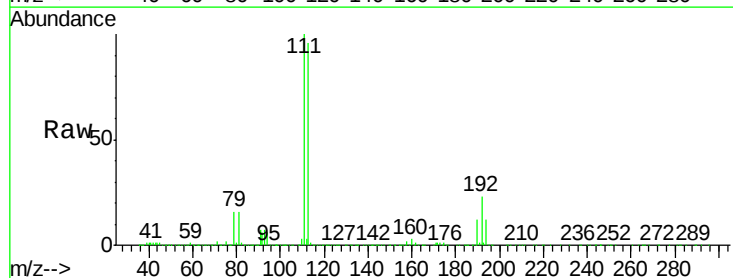
Tgt Ion:113 Resp: 207223

Ion Ratio Lower Upper

113 100

111 104.0 80.7 121.1

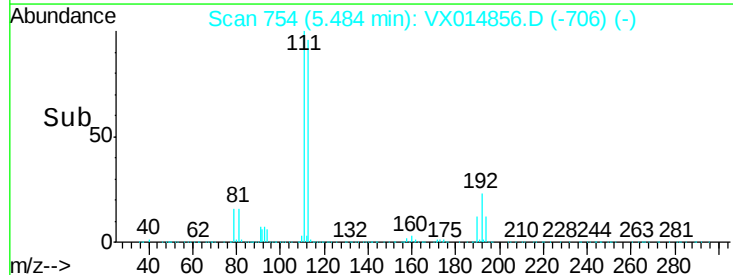
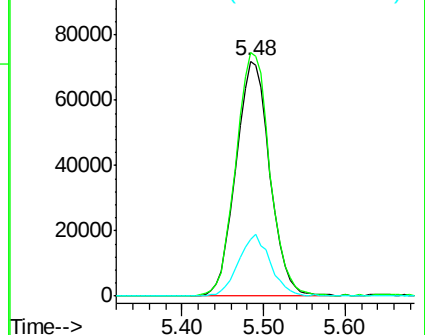
192 24.8 18.5 27.7

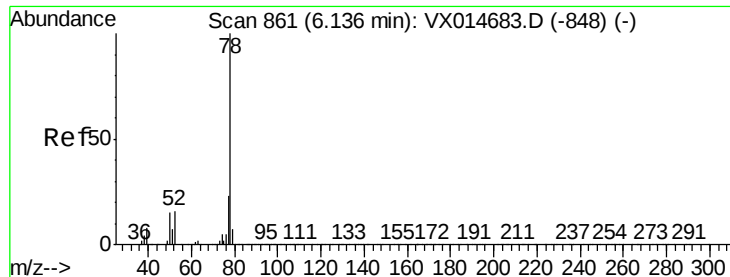


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.793 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.01 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

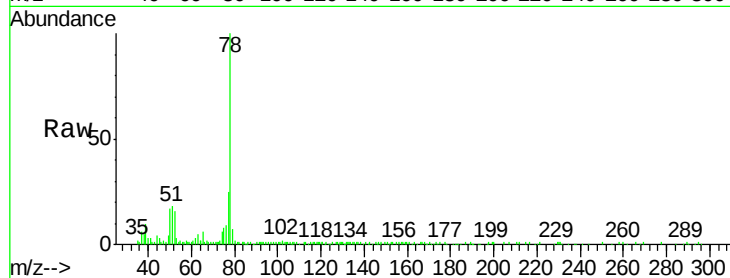
400205799-VOA

Tot Ion: 78 Resp: 36367

Ion Ratio Lower Upper

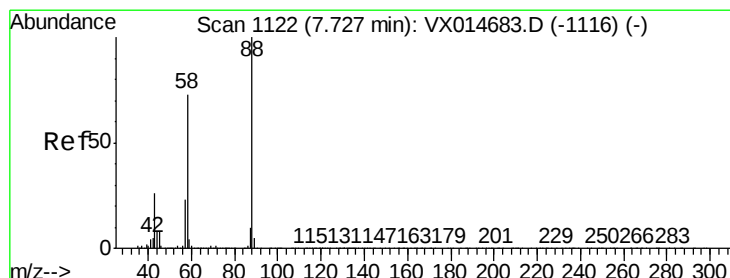
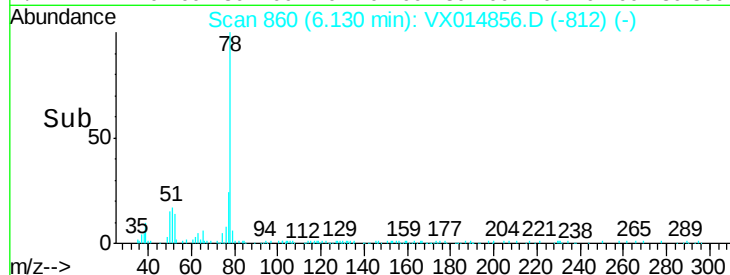
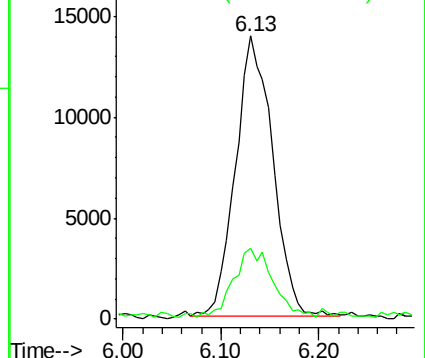
78 100

77 23.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 120.403 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

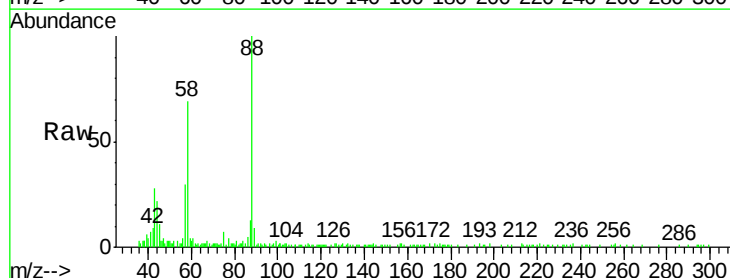
Tgt Ion: 88 Resp: 15011

Ion Ratio Lower Upper

88 100

43 31.9 26.2 39.2

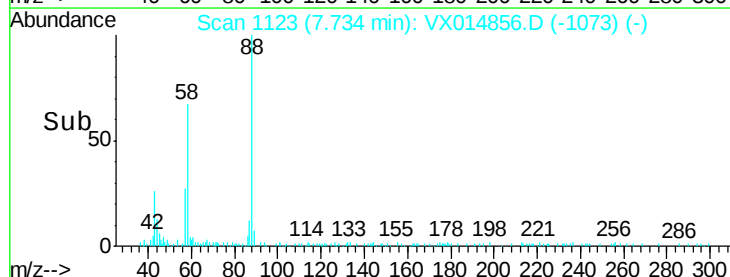
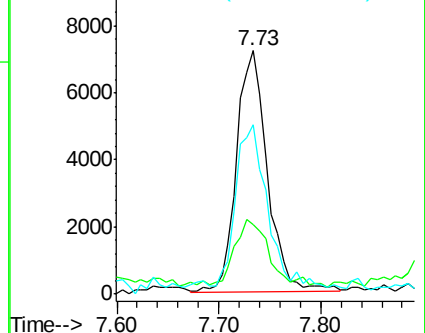
58 70.8 56.6 85.0

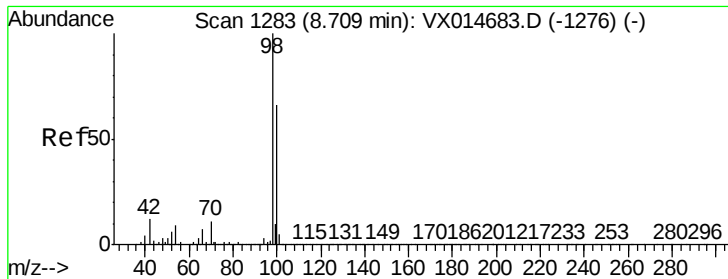


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.293 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

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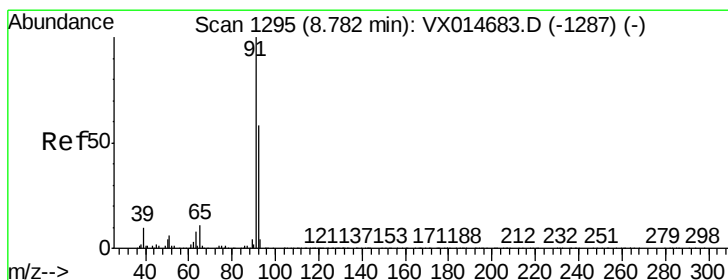
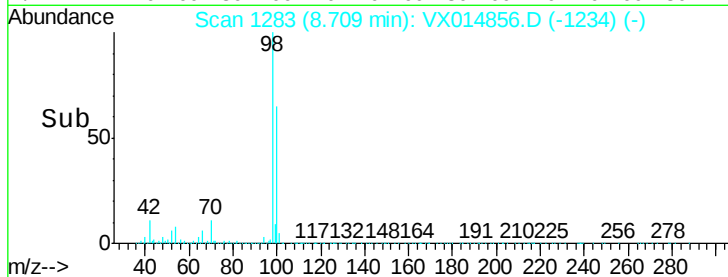
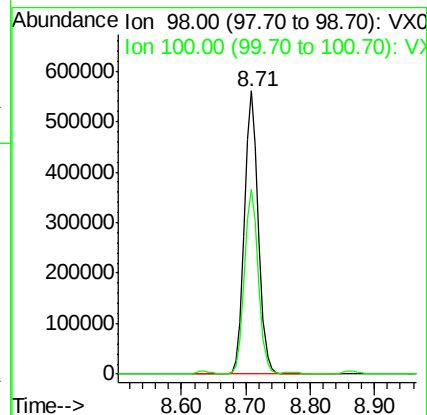
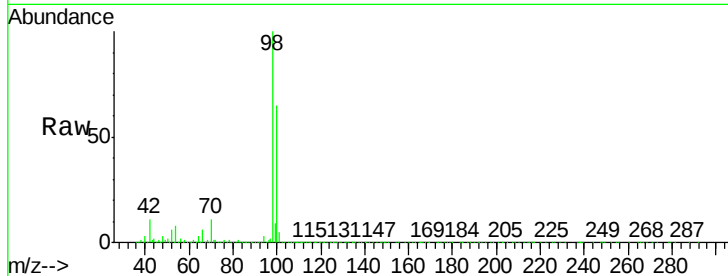
400205799-VOA

Tot Ion: 98 Resp: 844598

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.6



#52

Toluene

Concen: 2.230 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014856.D

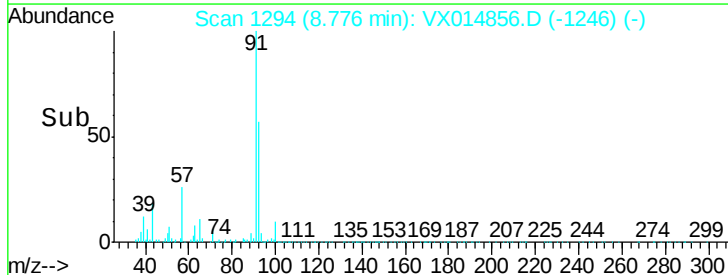
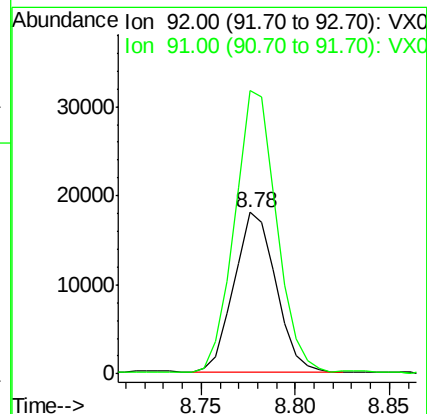
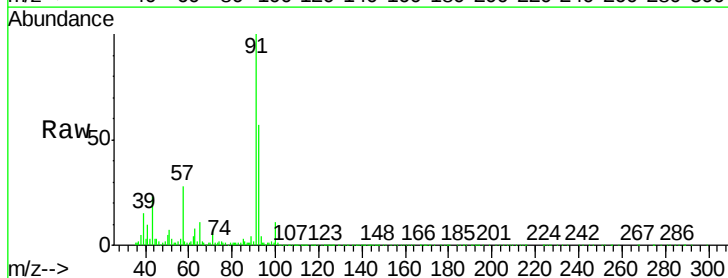
Acq: 06 Feb 2020 18:30

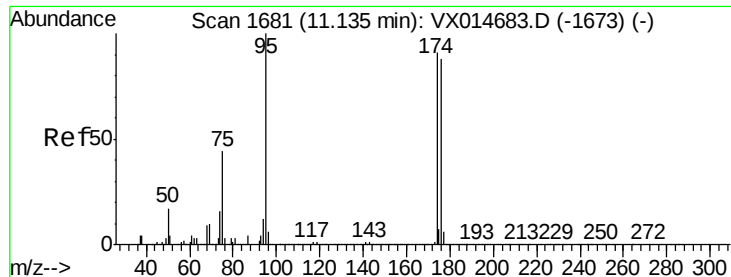
Tgt Ion: 92 Resp: 27793

Ion Ratio Lower Upper

92 100

91 176.5 135.9 203.9





#62

4-Bromofluorobenzene

Concen: 50.619 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

400205799-VOA

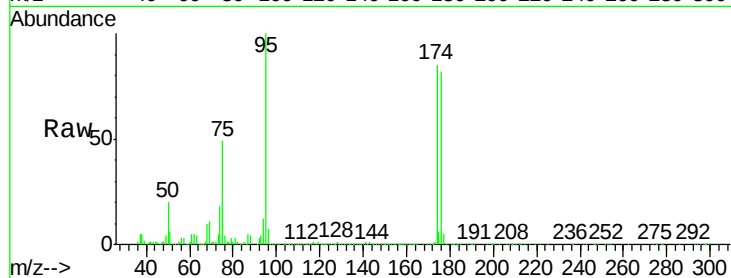
Tot Ion: 95 Resp: 308958

Ion Ratio Lower Upper

95 100

174 90.6 0.0 176.0

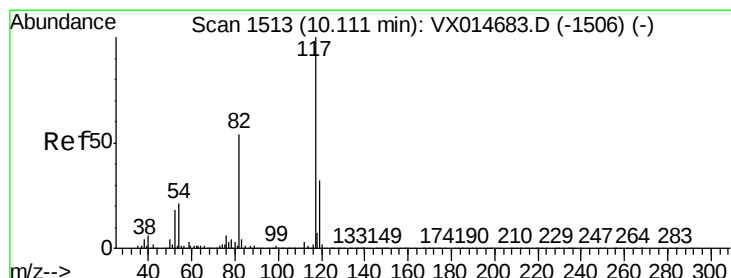
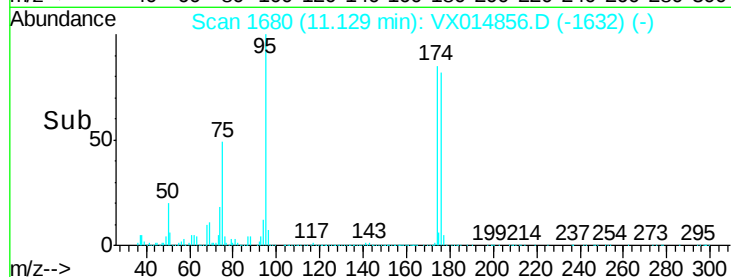
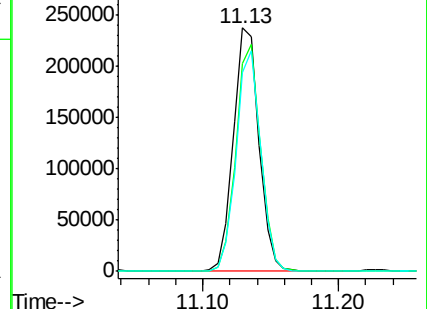
176 87.7 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VX014683.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014683.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014683.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

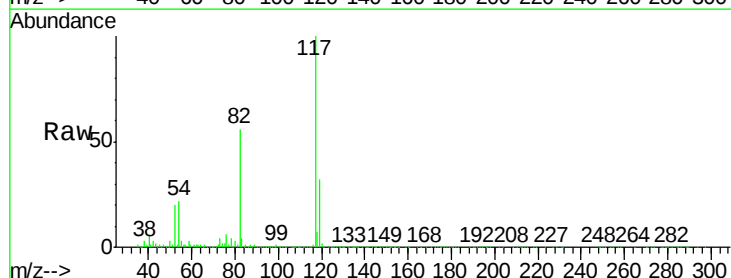
Tgt Ion: 117 Resp: 655988

Ion Ratio Lower Upper

117 100

82 55.7 43.2 64.8

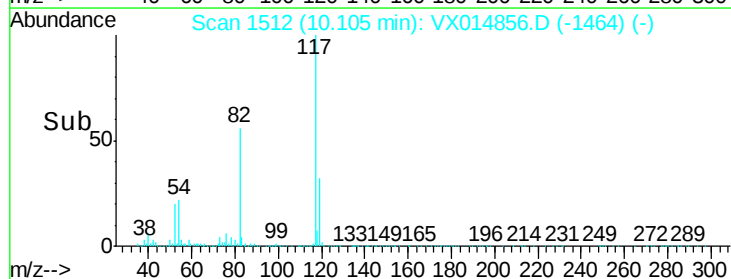
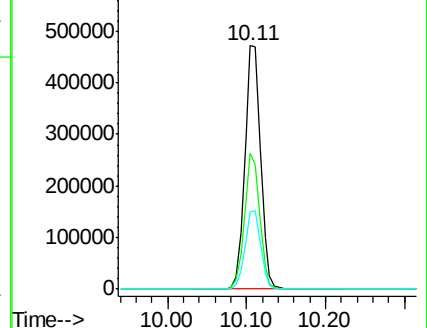
119 31.7 25.8 38.6

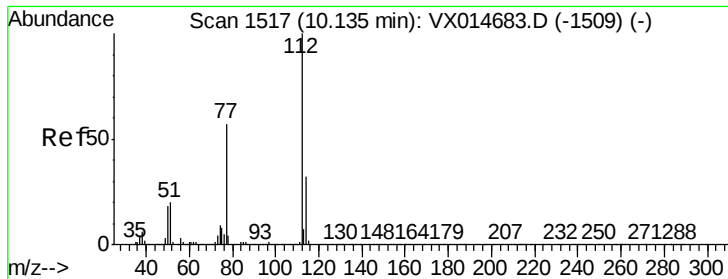


Abundance Ion 116.90 (116.60 to 117.60): VX014683.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX014683.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX014683.D (-1506) (-)





#65

Chlorobenzene

Concen: 0.749 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

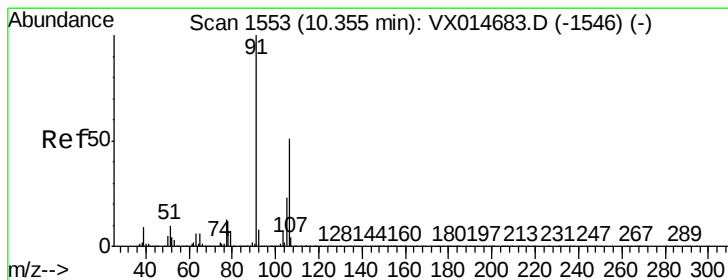
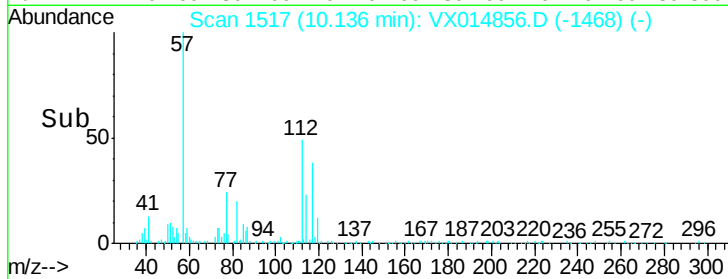
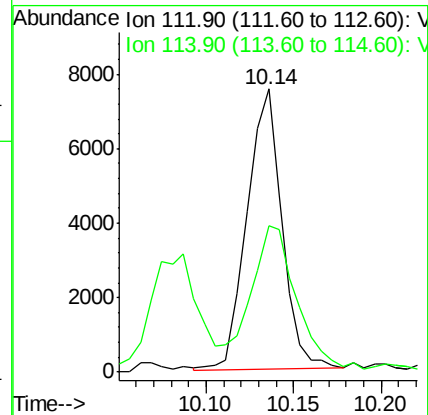
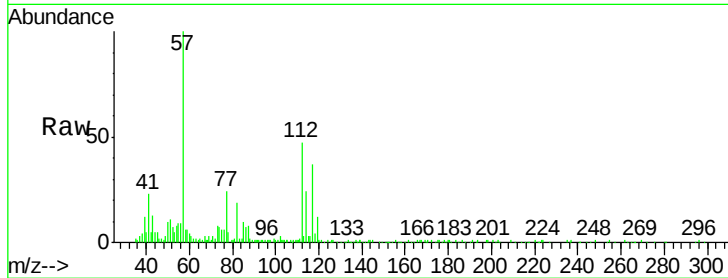
400205799-VOA

Tot Ion:112 Resp: 10508

Ion Ratio Lower Upper

112 100

114 50.3 25.8 38.8#



#68

m/p-Xylenes

Concen: 7.217 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014856.D

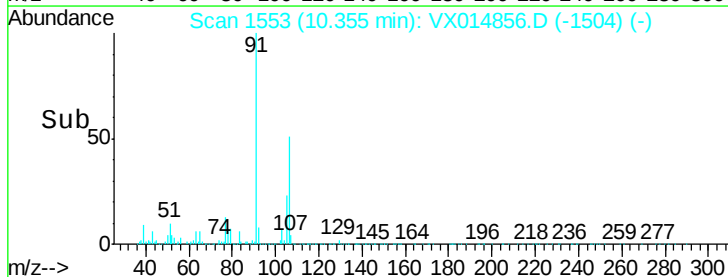
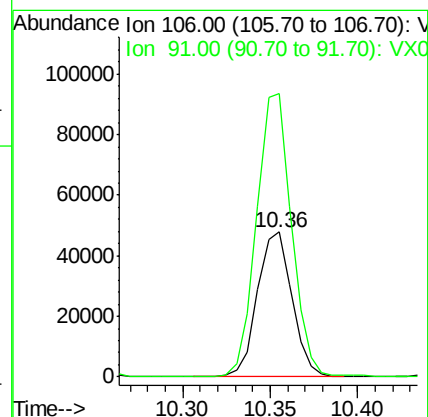
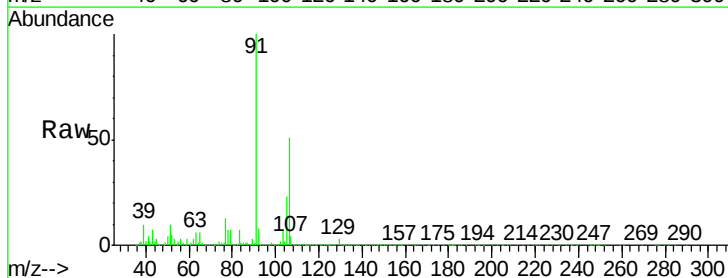
Acq: 06 Feb 2020 18:30

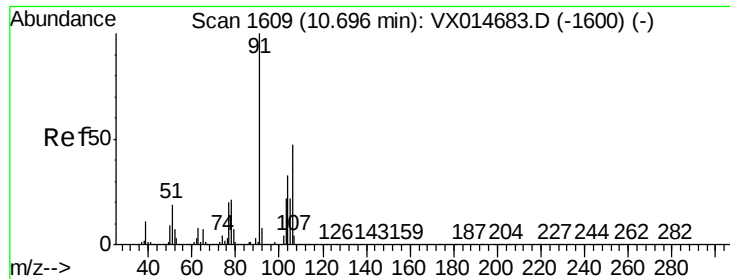
Tgt Ion:106 Resp: 65504

Ion Ratio Lower Upper

106 100

91 198.4 159.4 239.2

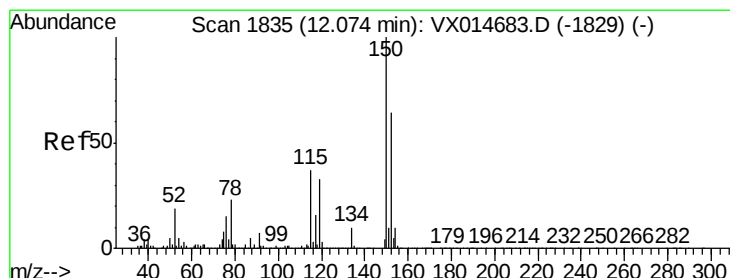
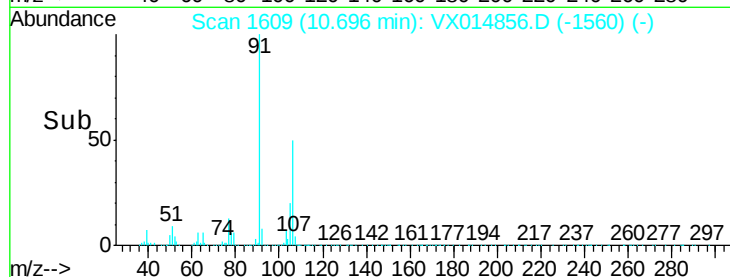
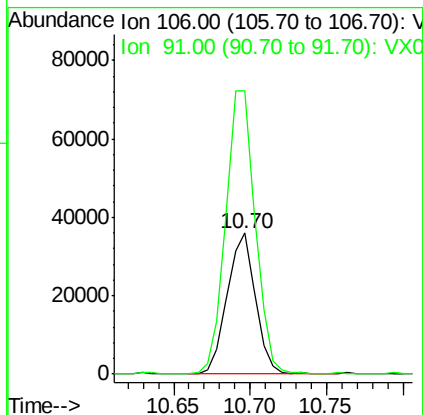
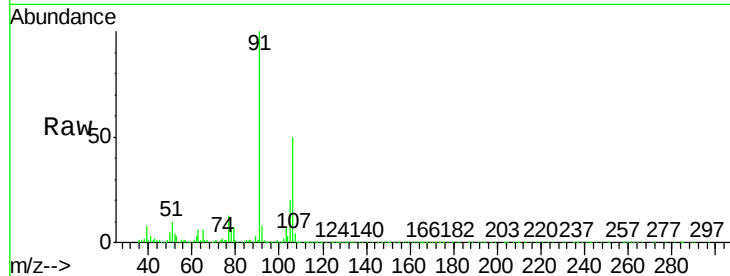




#69
o-Xylene
Concen: 5.216 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014856.D
Acq: 06 Feb 2020 18:30

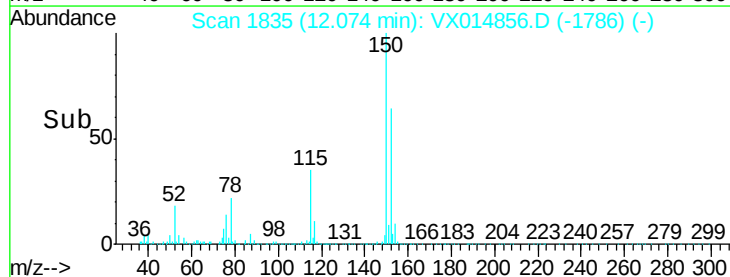
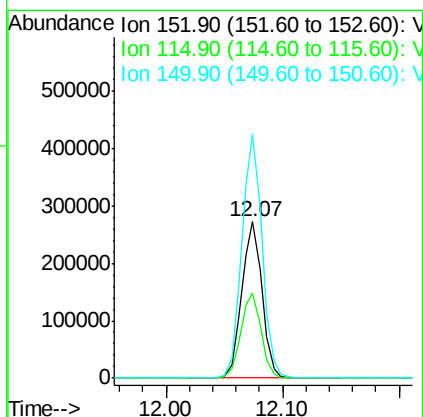
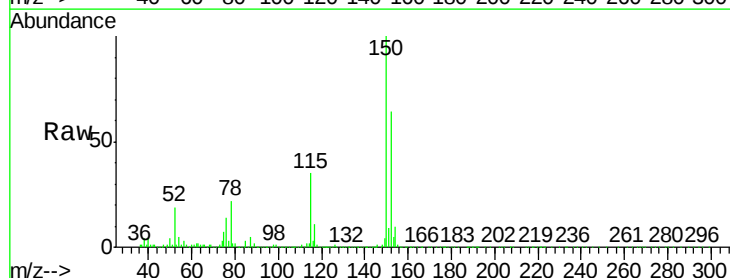
Instrument :
MSVOA_X
ClientSampleId :
400205799-VOA

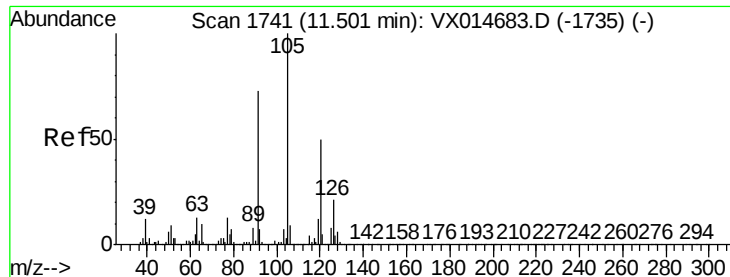
Tot Ion:106 Resp: 45707
Ion Ratio Lower Upper
106 100
91 209.6 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014856.D
Acq: 06 Feb 2020 18:30

Tgt Ion:152 Resp: 329363
Ion Ratio Lower Upper
152 100
115 54.4 39.4 118.1
150 156.6 0.0 351.2





#80

1,3,5-Trimethylbenzene

Concen: 0.758 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

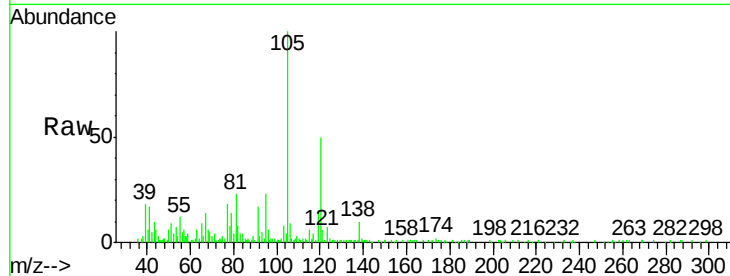
400205799-VOA

Tot Ion:105 Resp: 14579

Ion Ratio Lower Upper

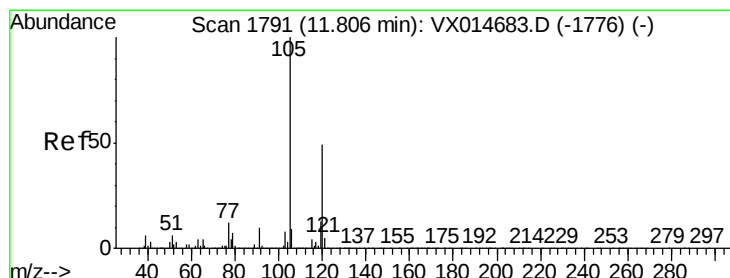
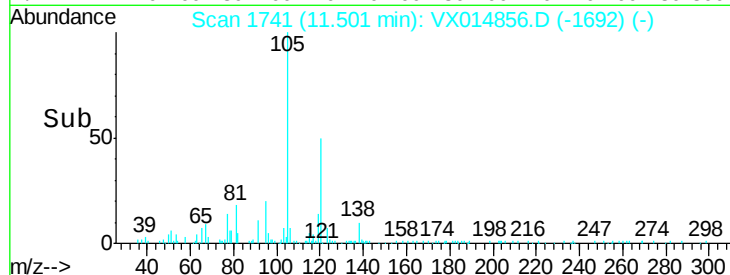
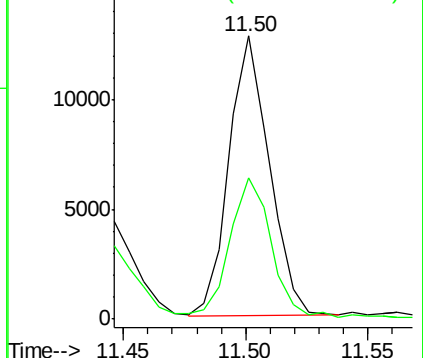
105 100

120 49.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.435 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014856.D

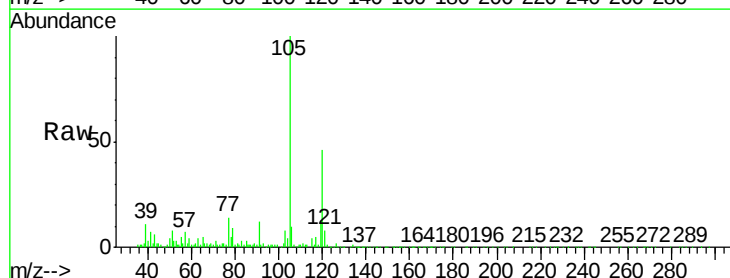
Acq: 06 Feb 2020 18:30

Tgt Ion:105 Resp: 46953

Ion Ratio Lower Upper

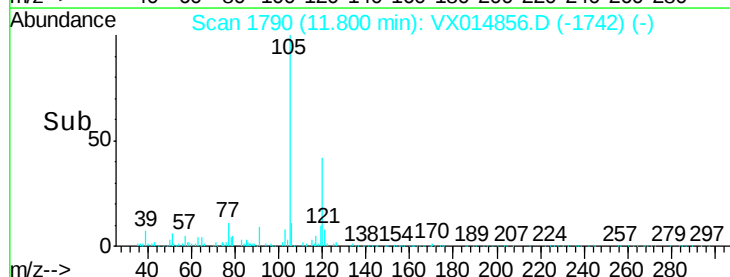
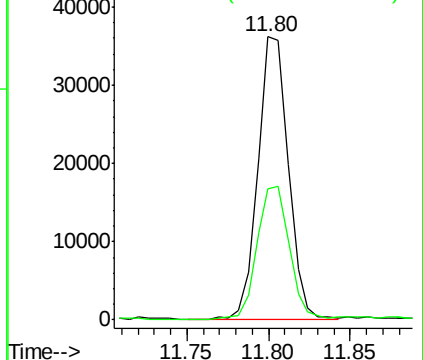
105 100

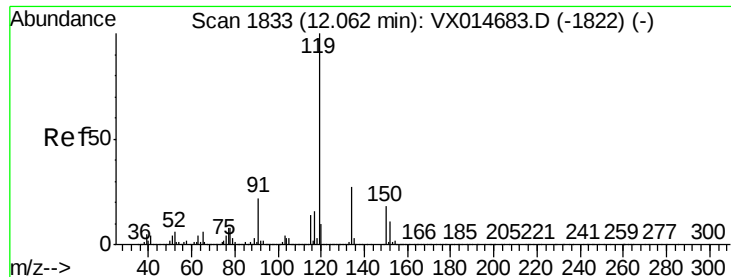
120 51.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

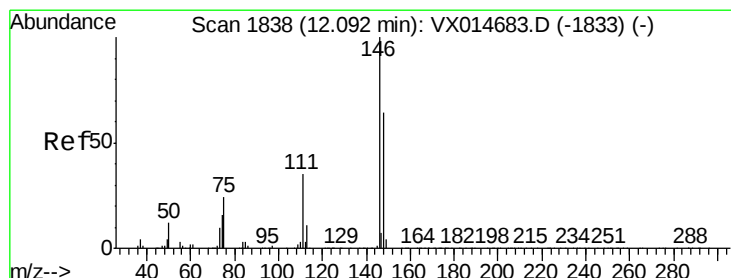
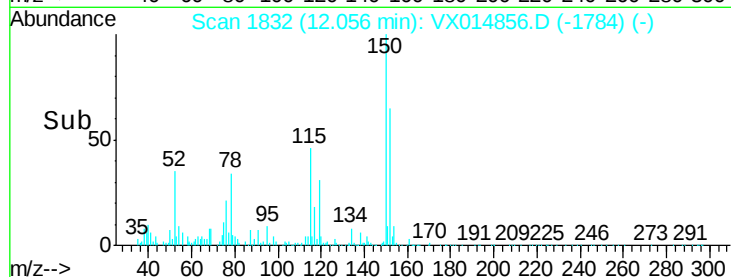
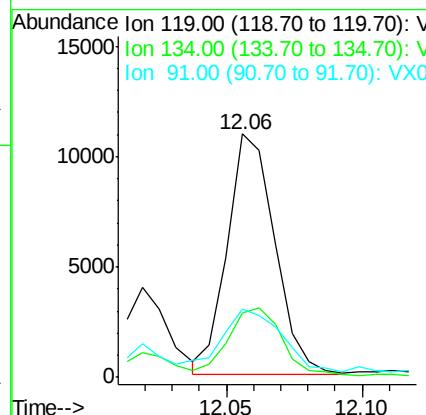
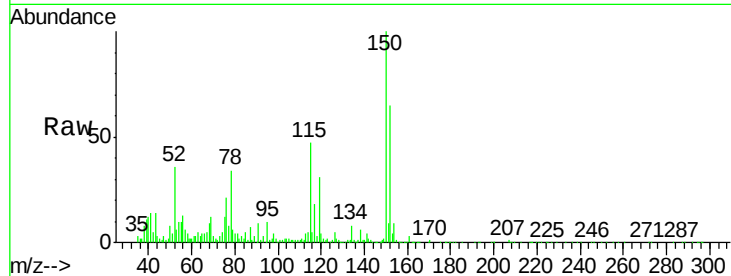




#86
p-Isopropyltoluene
Concen: 0.646 ug/l
RT: 12.06 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VX014856.D
Acq: 06 Feb 2020 18:30

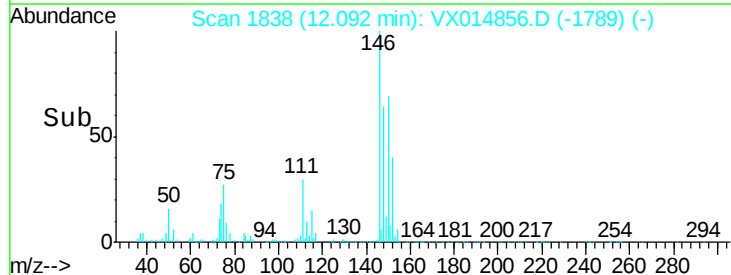
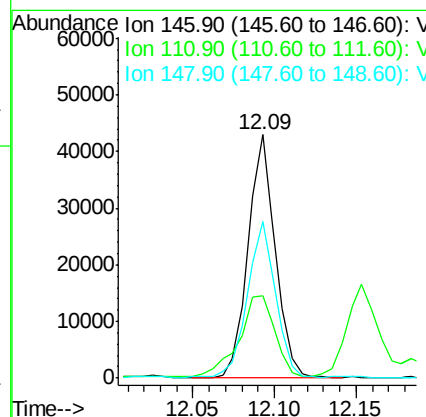
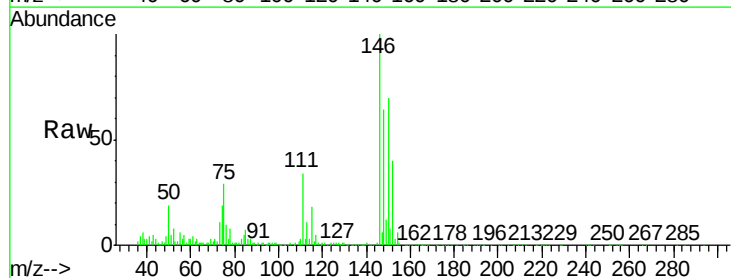
Instrument :
MSVOA_X
ClientSampleId :
400205799-VOA

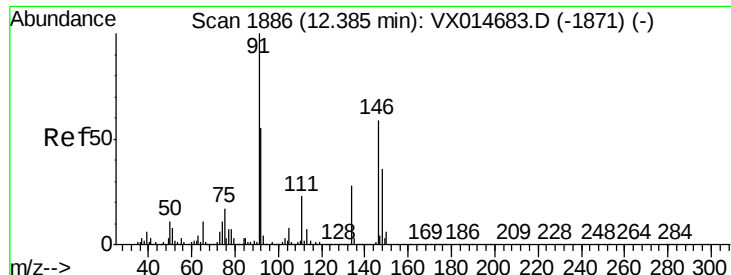
Tot Ion	Ratio	Lower	Upper
119	100		
134	32.2	13.5	40.4
91	33.2	11.3	33.8



#88
1,4-Dichlorobenzene
Concen: 4.477 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014856.D
Acq: 06 Feb 2020 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	18.6	55.8
148	66.9	32.0	96.2





#91

1,2-Dichlorobenzene

Concen: 0.395 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

400205799-VOA

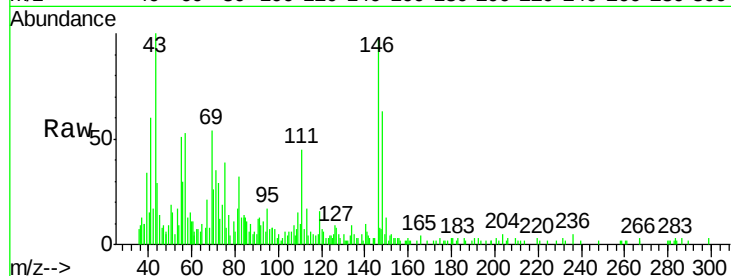
Tot Ion:146 Resp: 4391

Ion Ratio Lower Upper

146 100

111 42.7 19.6 58.8

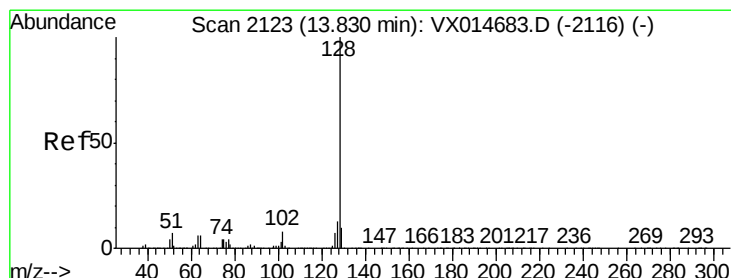
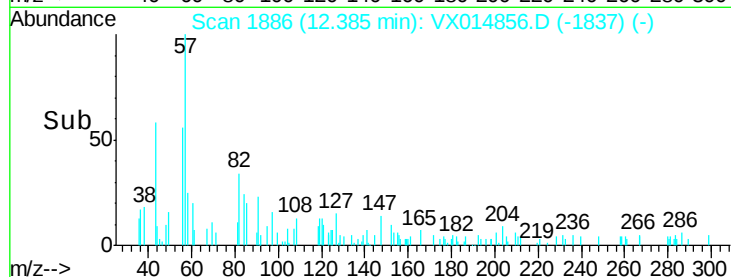
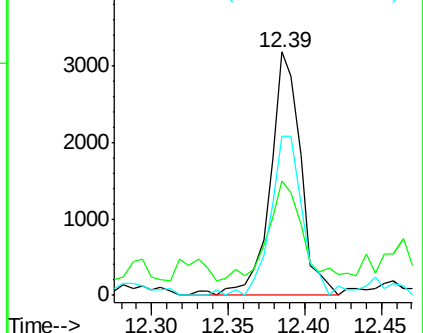
148 69.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 3.176 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014856.D

Acq: 06 Feb 2020 18:30

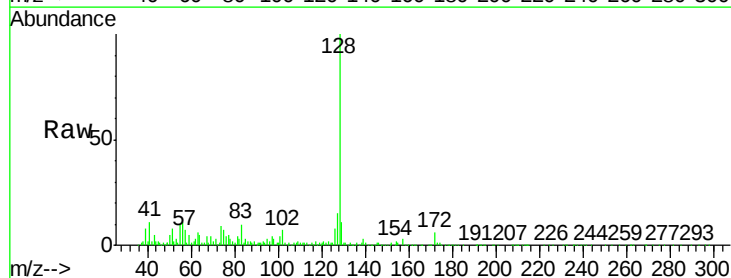
Tgt Ion:128 Resp: 52798

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.1 8.6 12.8



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

