

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012510.D
 Acq On : 19 Sep 2019 06:11
 Operator : JC/SP
 Sample : K4887-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0158

Quant Time: Sep 19 15:13:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

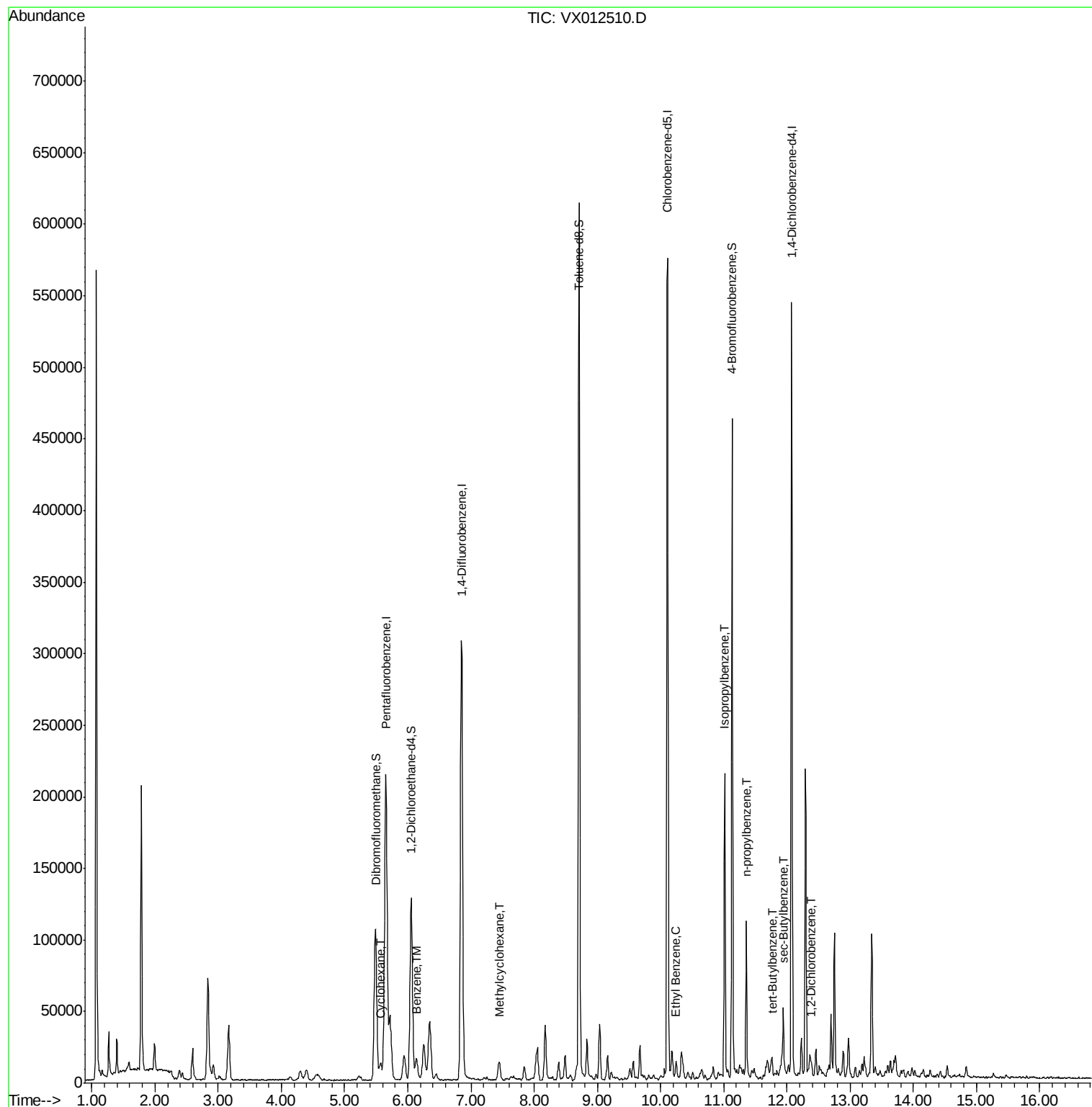
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	194989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304333	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102141	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	127566	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	
35) Dibromofluoromethane	5.49	113	90635	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	8.71	98	351496	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	11.14	95	126346	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	7827	4.055	ug/l #	94
39) Methylcyclohexane	7.45	83	3660	2.036	ug/l #	79
40) Benzene	6.14	78	17479	2.972	ug/l	92
67) Ethyl Benzene	10.25	91	6103	0.840	ug/l	91
73) Isopropylbenzene	11.01	105	106186	16.569	ug/l	100
78) n-propylbenzene	11.35	91	62527	8.754	ug/l	100
83) tert-Butylbenzene	11.77	119	4069	0.695	ug/l	72
85) sec-Butylbenzene	11.94	105	19890	3.082	ug/l	88
91) 1,2-Dichlorobenzene	12.39	146	1930	0.628	ug/l	81

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

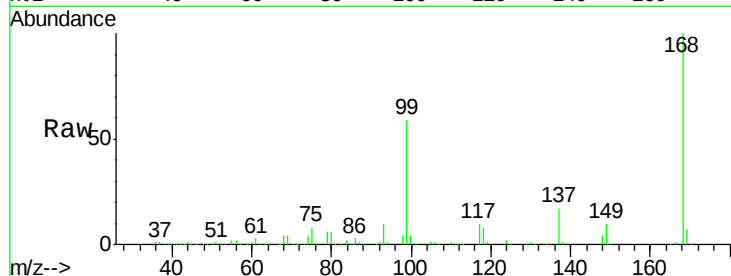
Z2-0158

Tot Ion:168 Resp: 194989

Ion Ratio Lower Upper

168 100

99 58.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

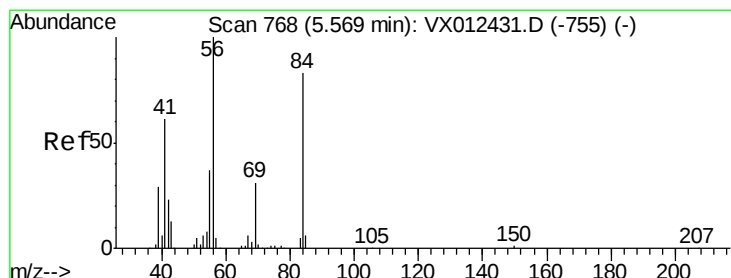
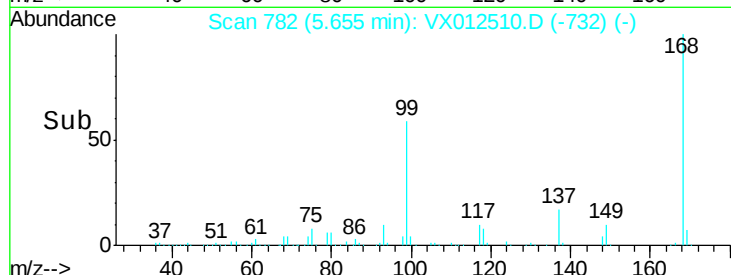
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 4.055 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

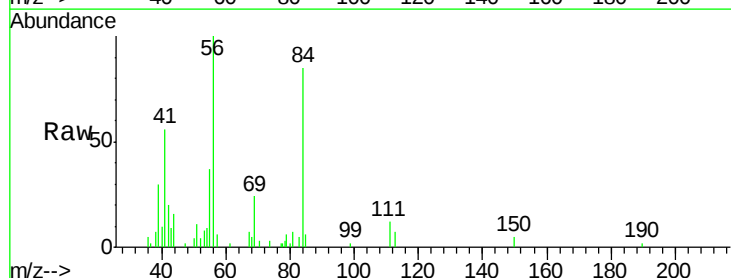
Tgt Ion: 56 Resp: 7827

Ion Ratio Lower Upper

56 100

69 21.5 25.0 37.6#

84 81.6 66.4 99.6



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

4000

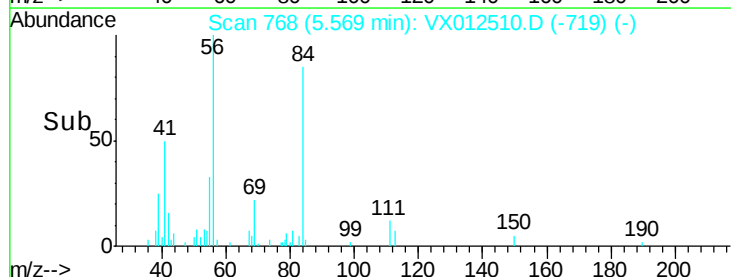
3000

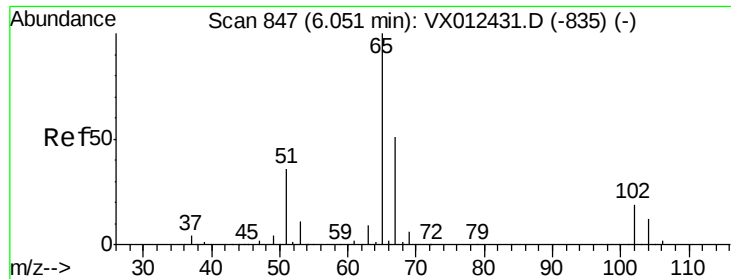
2000

1000

0

Time--> 5.45 5.50 5.55 5.60 5.65





#33

1,2-Dichloroethane-d4

Concen: 45.648 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

Instrument :

MSVOA_X

ClientSampled :

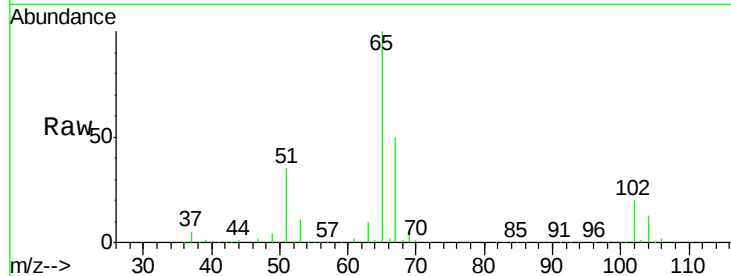
Z2-0158

Tot Ion: 65 Resp: 127566

Ion Ratio Lower Upper

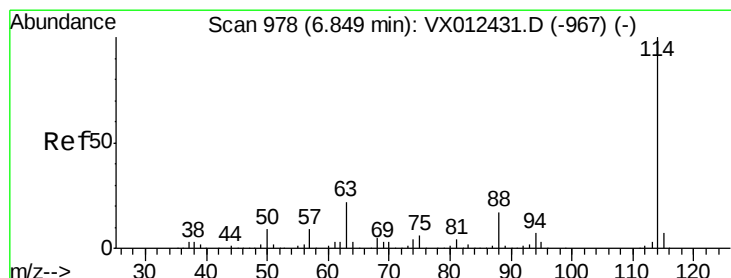
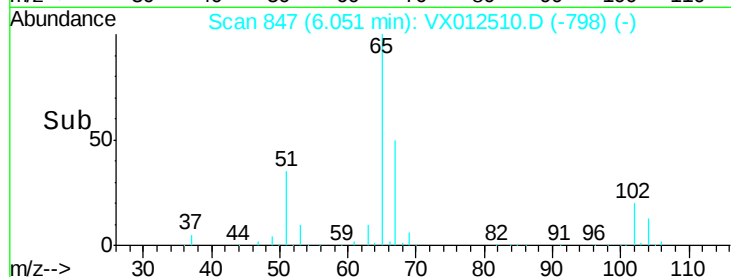
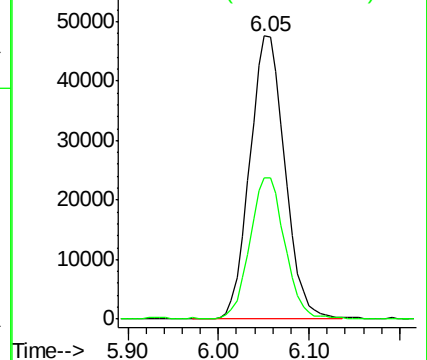
65 100

67 49.5 0.0 101.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

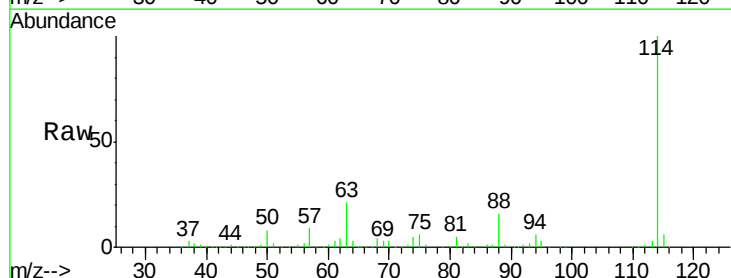
Tgt Ion: 114 Resp: 304333

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

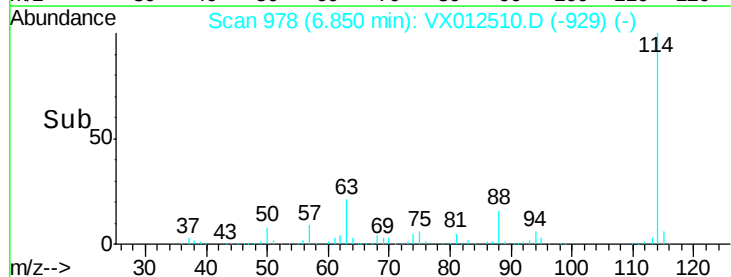
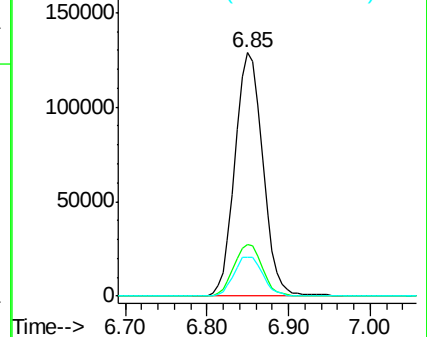
88 16.1 0.0 33.2

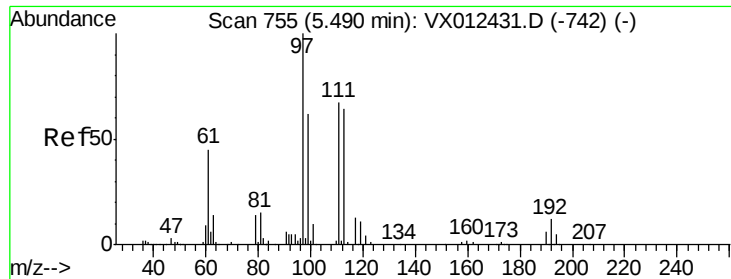


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.205 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

Z2-0158

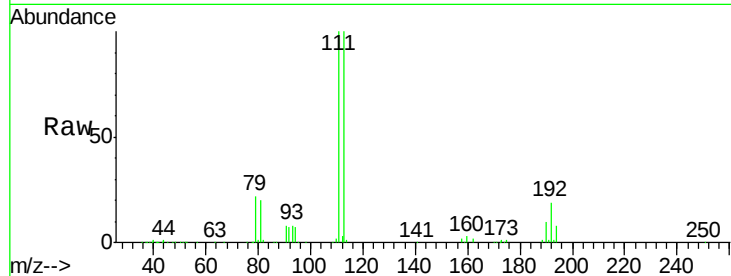
Tot Ion:113 Resp: 90635

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

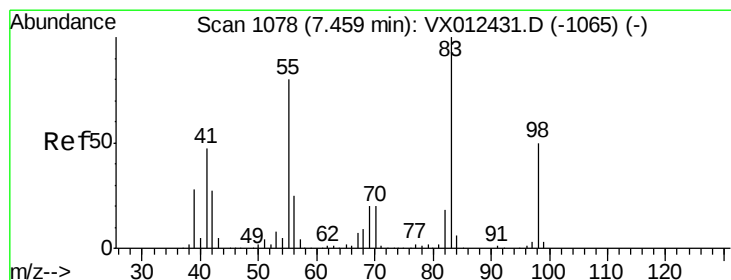
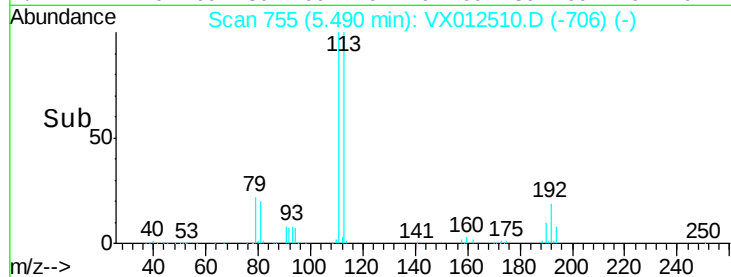
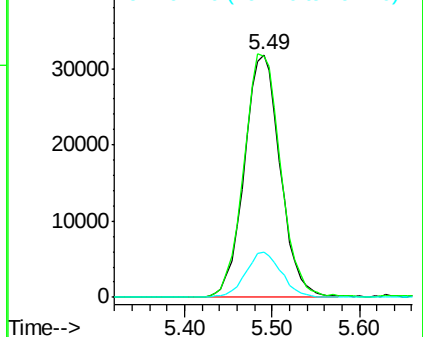
192 18.6 14.4 21.6



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: 2.036 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

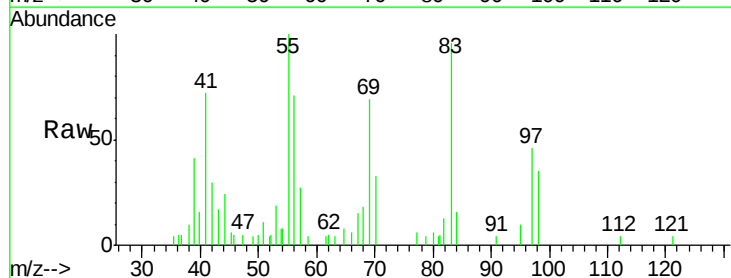
Tgt Ion: 83 Resp: 3660

Ion Ratio Lower Upper

83 100

55 99.4 64.4 96.6#

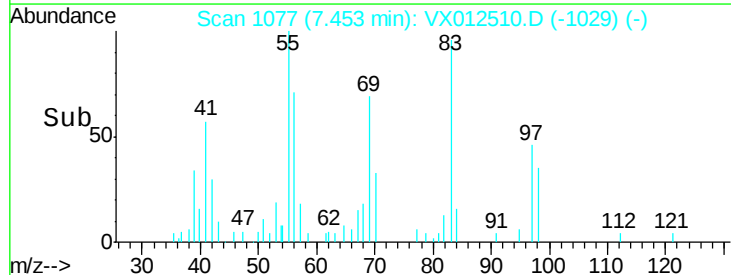
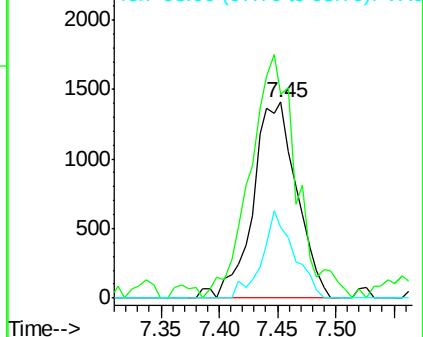
98 36.0 40.1 60.1#

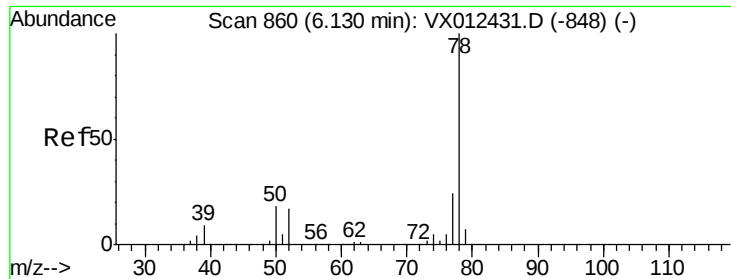


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

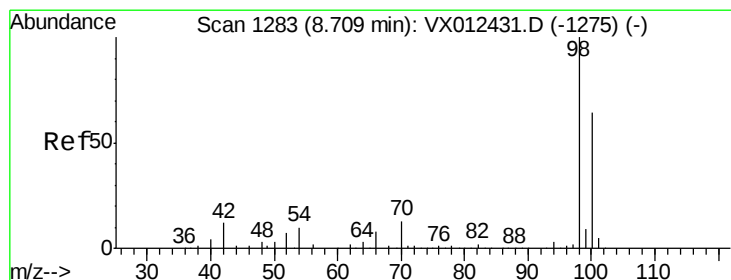
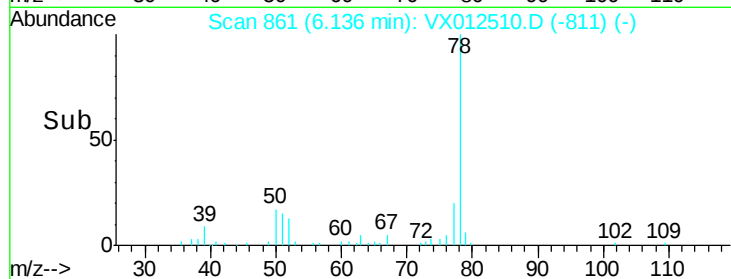
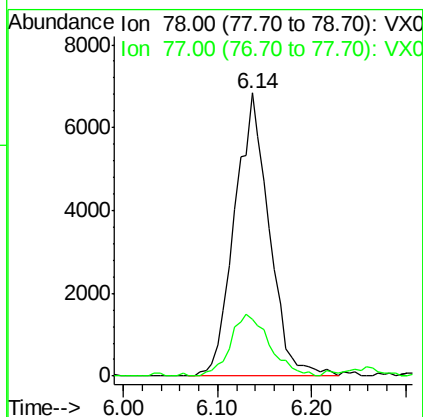
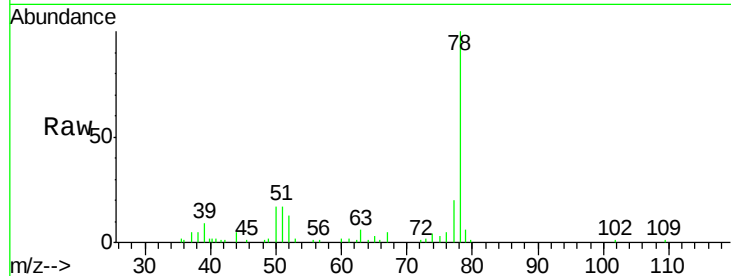




#40
Benzene
Concen: 2.972 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012510.D
Acq: 19 Sep 2019 06:11

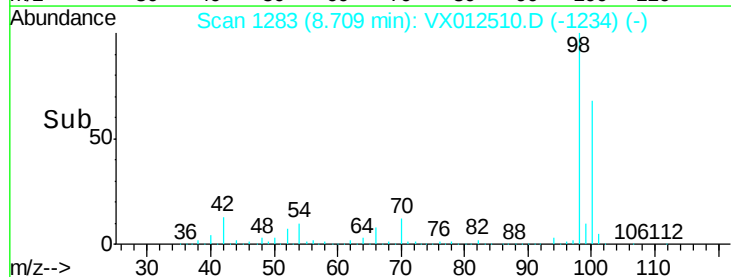
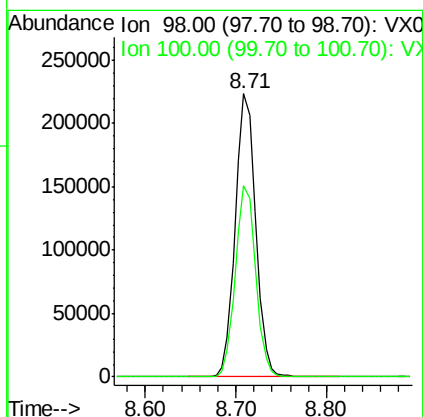
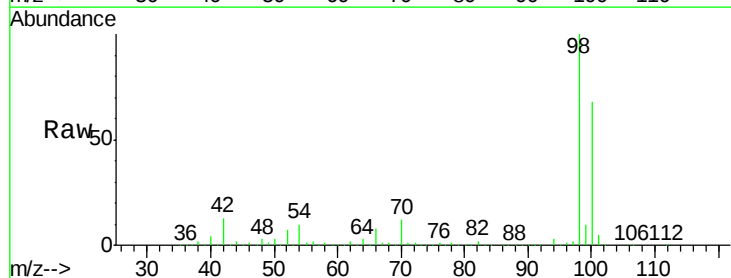
Instrument :
MSVOA_X
ClientSampleId :
Z2-0158

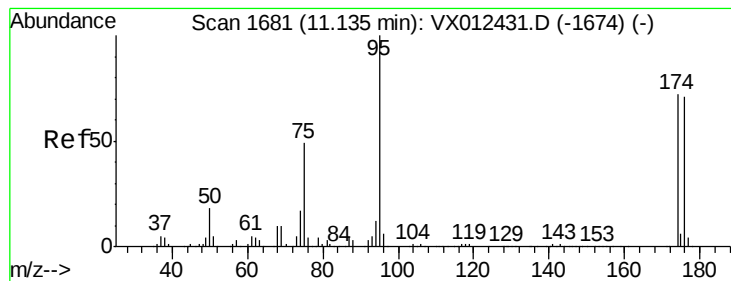
Tot Ion: 78 Resp: 17479
Ion Ratio Lower Upper
78 100
77 20.1 19.2 28.8



#50
Toluene-d8
Concen: 51.554 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012510.D
Acq: 19 Sep 2019 06:11

Tgt Ion: 98 Resp: 351496
Ion Ratio Lower Upper
98 100
100 67.5 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 44.631 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

Z2-0158

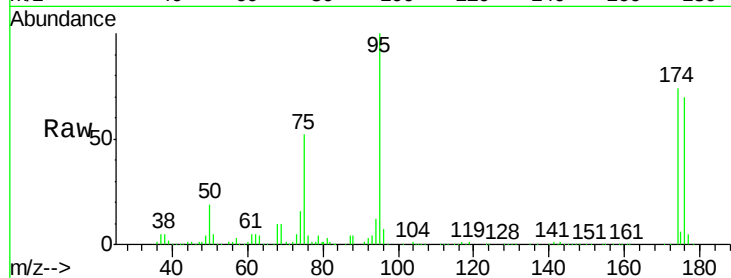
Tot Ion: 95 Resp: 126346

Ion Ratio Lower Upper

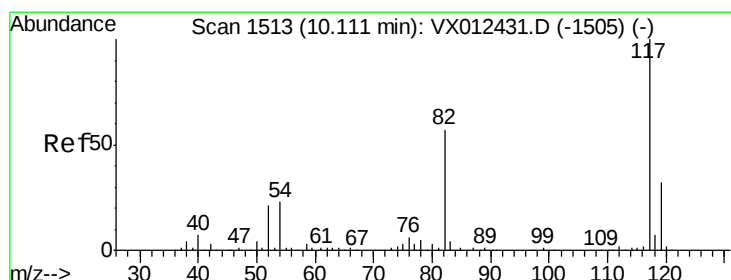
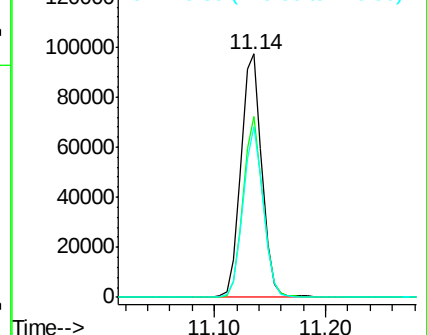
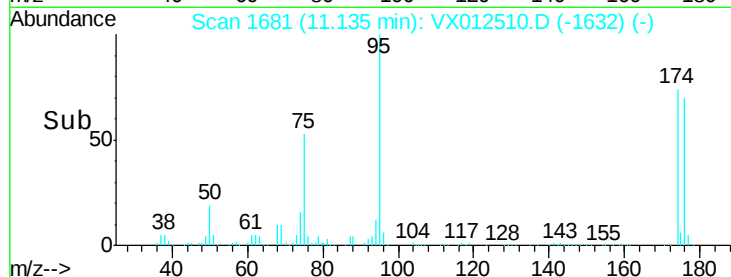
95 100

174 70.2 0.0 140.0

176 67.9 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012510.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

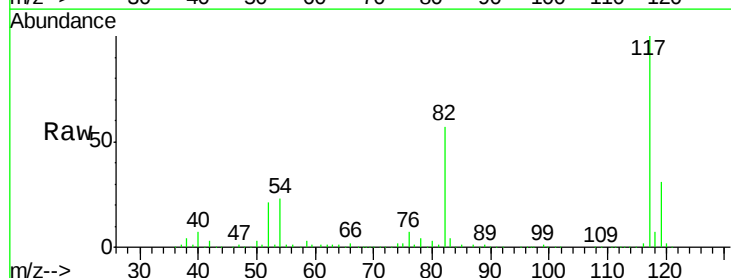
Tgt Ion: 117 Resp: 256272

Ion Ratio Lower Upper

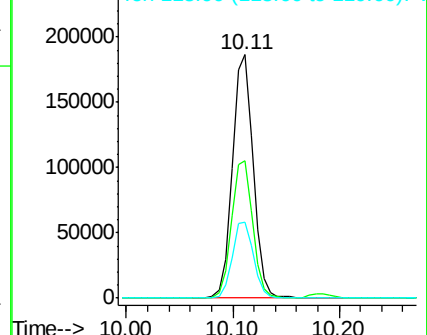
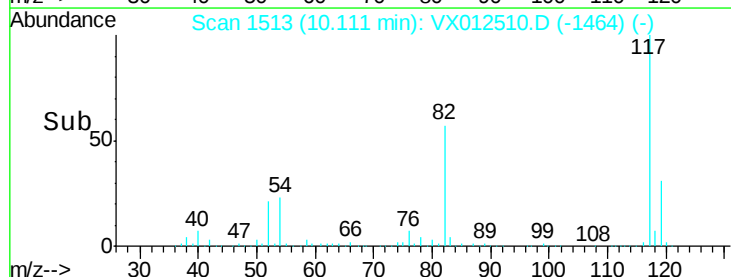
117 100

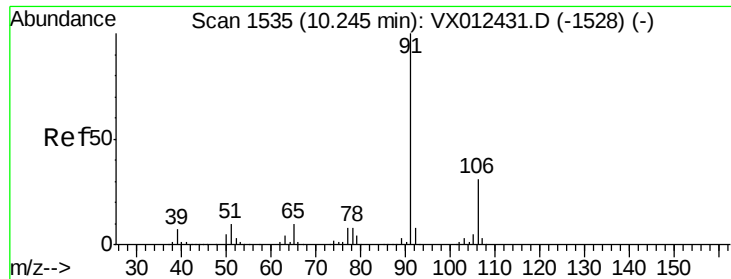
82 56.5 45.9 68.9

119 31.4 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX012510.D (-1464) (-)

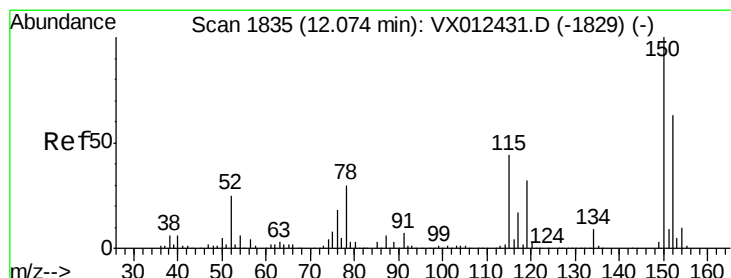
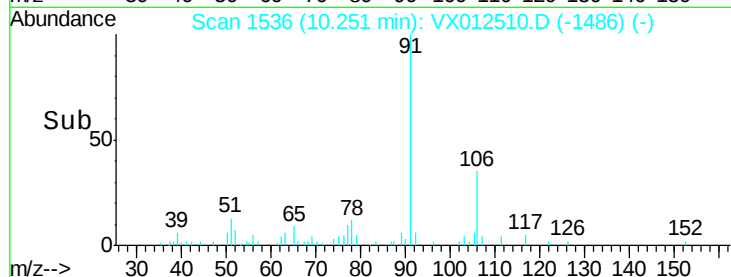
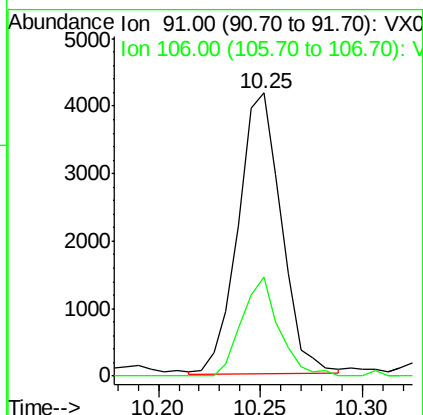
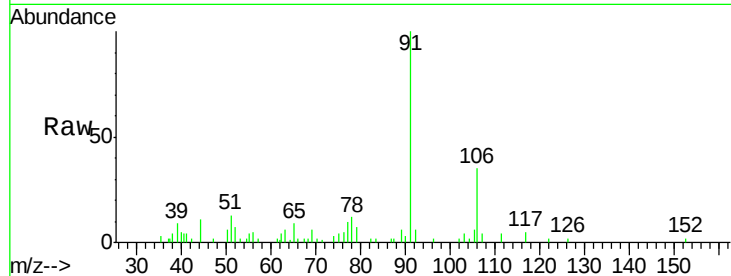




#67
Ethyl Benzene
Concen: 0.840 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012510.D
Acq: 19 Sep 2019 06:11

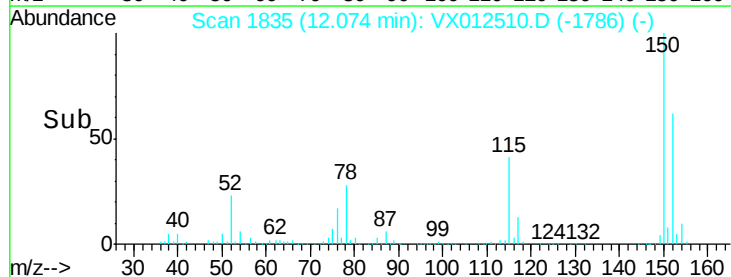
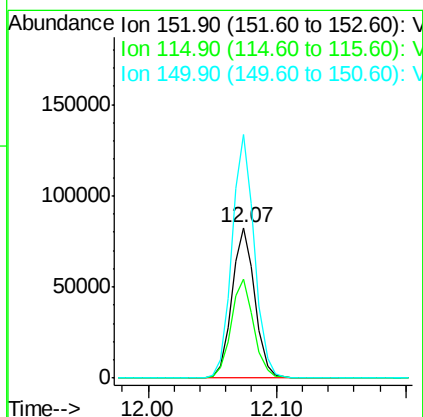
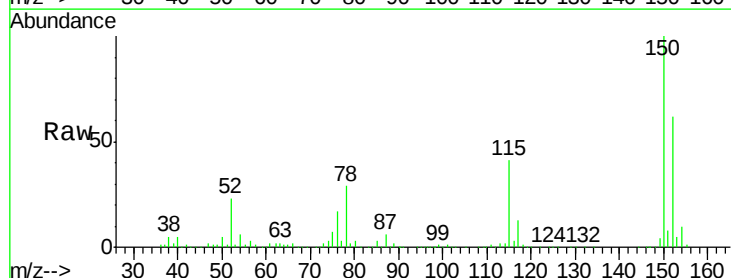
Instrument :
MSVOA_X
ClientSampleId :
Z2-0158

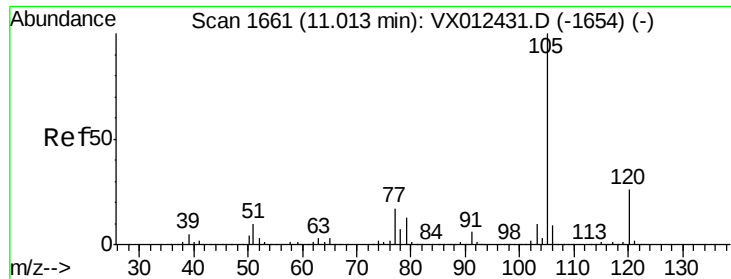
Tot Ion: 91 Resp: 6103
Ion Ratio Lower Upper
91 100
106 35.6 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012510.D
Acq: 19 Sep 2019 06:11

Tgt Ion: 152 Resp: 102141
Ion Ratio Lower Upper
152 100
115 66.4 44.1 132.3
150 159.1 0.0 343.8





#73

Isopropylbenzene

Concen: 16.569 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

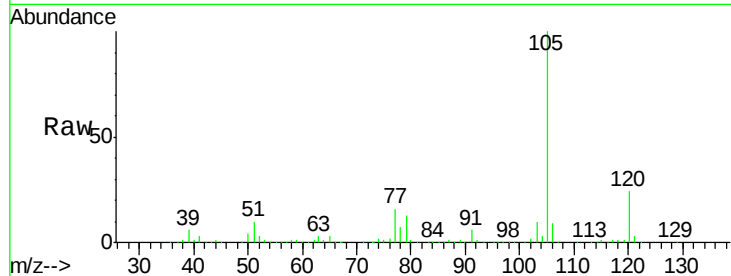
Z2-0158

Tot Ion: 105 Resp: 106186

Ion Ratio Lower Upper

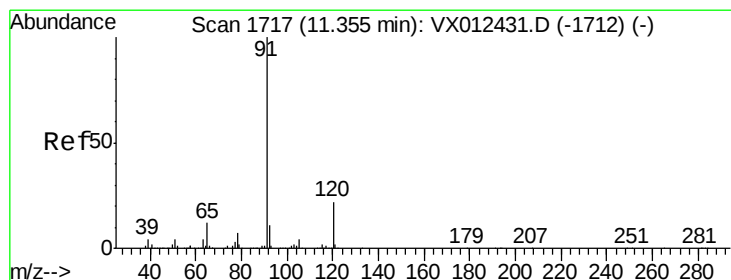
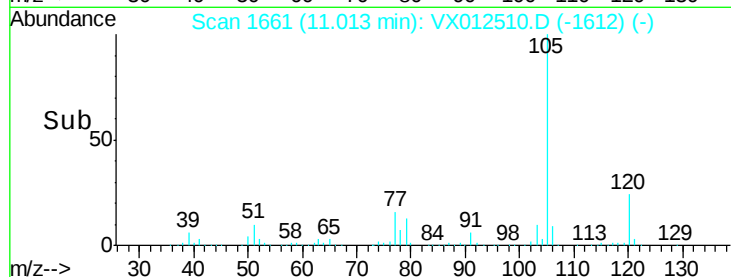
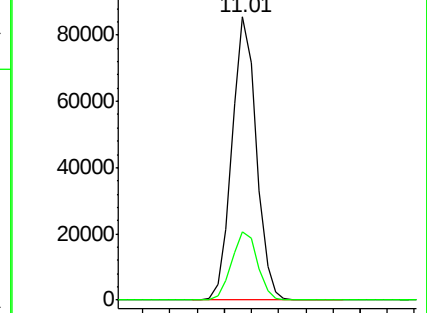
105 100

120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 8.754 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012510.D

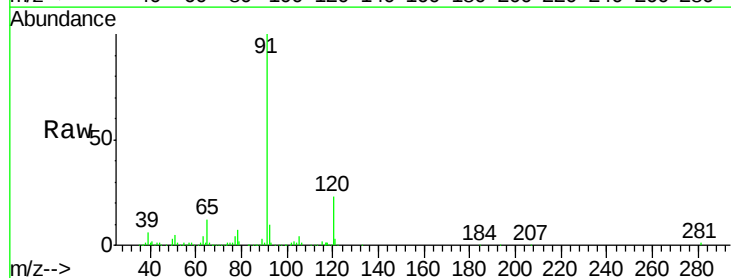
Acq: 19 Sep 2019 06:11

Tgt Ion: 91 Resp: 62527

Ion Ratio Lower Upper

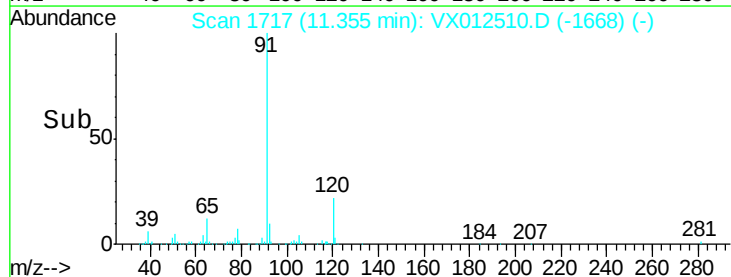
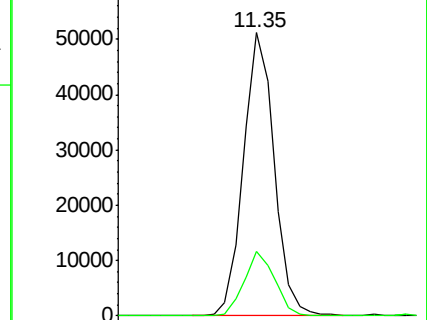
91 100

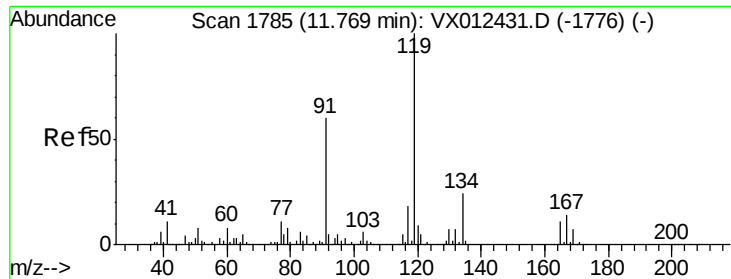
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

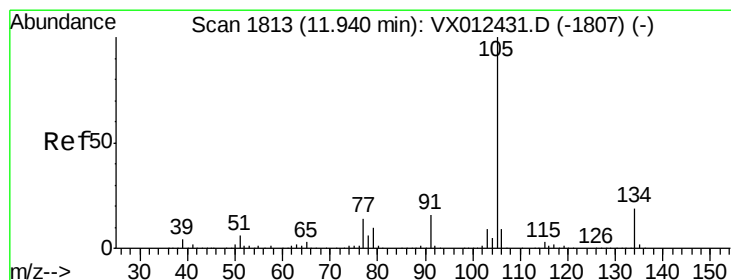
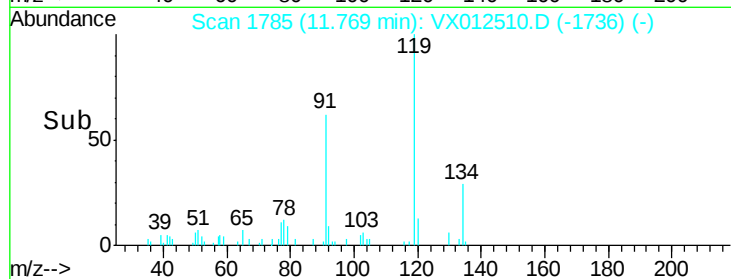
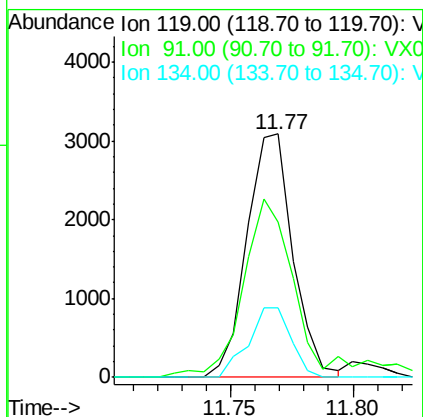
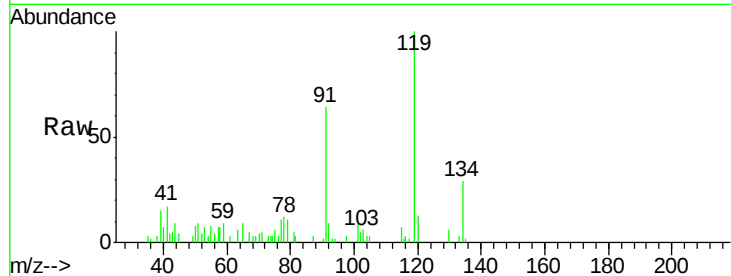




#83
tert-Butylbenzene
Concen: 0.695 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012510.D
Acq: 19 Sep 2019 06:11

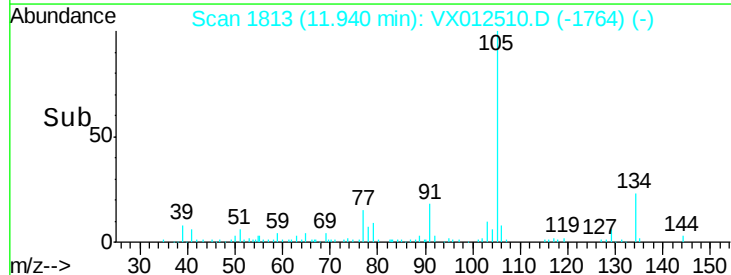
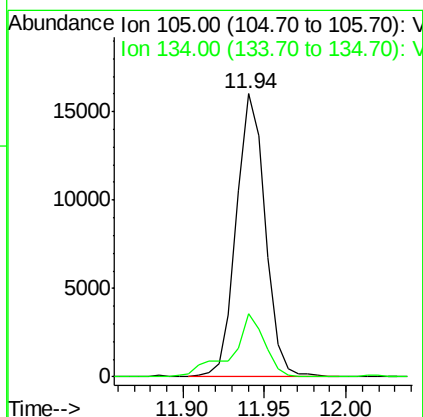
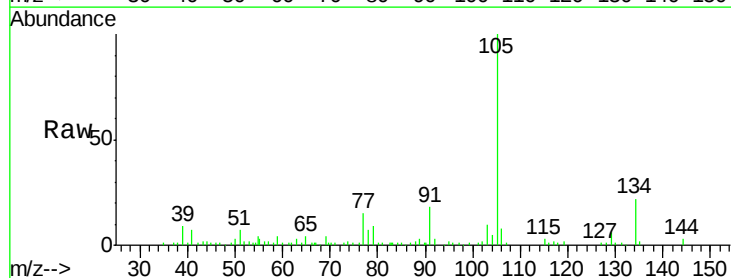
Instrument :
MSVOA_X
ClientSampleId :
Z2-0158

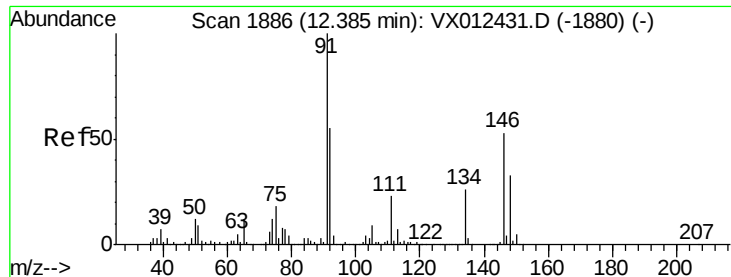
Tot Ion:119 Resp: 4069
Ion Ratio Lower Upper
119 100
91 87.2 30.0 90.0
134 26.4 11.3 33.9



#85
sec-Butylbenzene
Concen: 3.082 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX012510.D
Acq: 19 Sep 2019 06:11

Tgt Ion:105 Resp: 19890
Ion Ratio Lower Upper
105 100
134 25.1 9.8 29.4





#91

1,2-Dichlorobenzene

Concen: 0.628 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012510.D

Acq: 19 Sep 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

Z2-0158

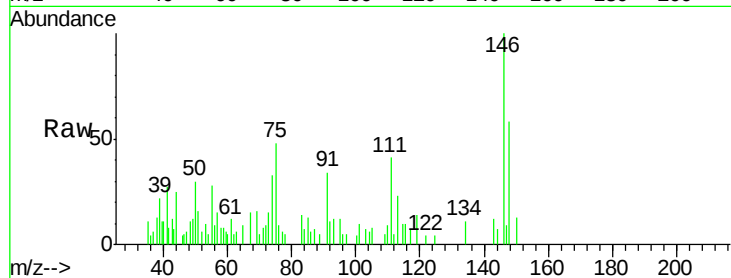
Tot Ion:146 Resp: 1930

Ion Ratio Lower Upper

146 100

111 52.2 22.1 66.1

148 80.6 31.3 93.9



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

