

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
 Data File : VX002246.D
 Acq On : 02 Jun 2018 18:17
 Operator : JC/MD
 Sample : J3234-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-0050

Quant Time: Jun 04 06:55:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	240610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	176841	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	224189	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	5.51	113	162568	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
50) Toluene-d8	8.72	98	650995	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.14	95	228131	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	

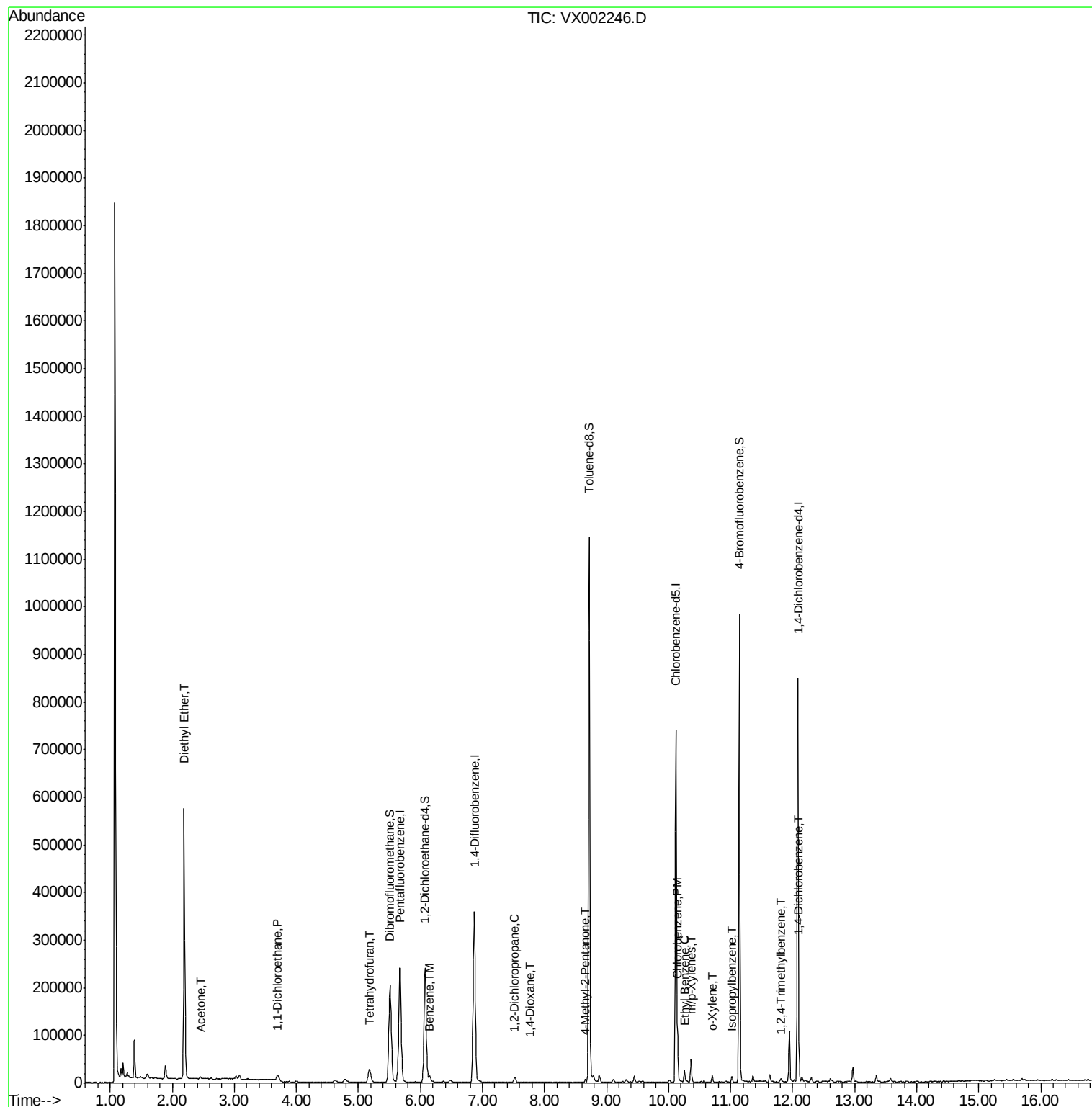
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	184706	94.833	ug/l	99
16) Acetone	2.45	43	3780	2.277	ug/l	91
24) 1,1-Dichloroethane	3.70	63	10558	1.856	ug/l	99
29) Tetrahydrofuran	5.17	42	26629	13.454	ug/l	100
40) Benzene	6.15	78	13468	0.949	ug/l	97
45) 1,2-Dichloropropane	7.52	63	3818	0.991	ug/l	96
49) 1,4-Dioxane	7.77	88	966	10.239	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	3305	0.521	ug/l	96
65) Chlorobenzene	10.15	112	39327	3.927	ug/l	99
67) Ethyl Benzene	10.26	91	12950	0.744	ug/l	98
68) m/p-Xylenes	10.36	106	11018	1.657	ug/l	97
69) o-Xylene	10.70	106	3075	0.463	ug/l	95
73) Isopropylbenzene	11.02	105	5934	0.396	ug/l	92
84) 1,2,4-Trimethylbenzene	11.81	105	2671	0.202	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	14176	1.993	ug/l	82

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002246.D

Acq: 02 Jun 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

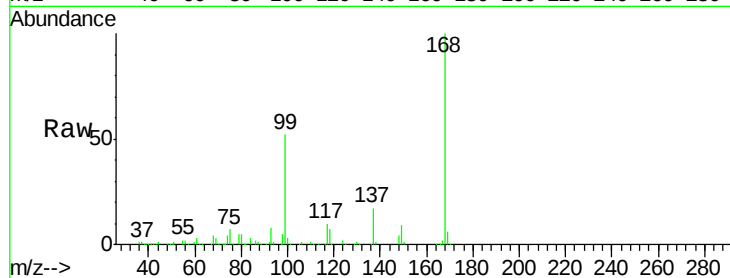
LF6-0050

Tot Ion:168 Resp: 240610

Ion Ratio Lower Upper

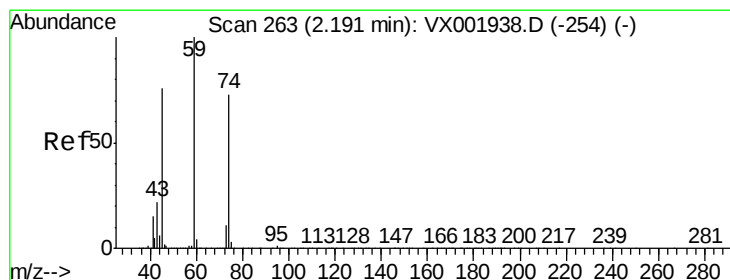
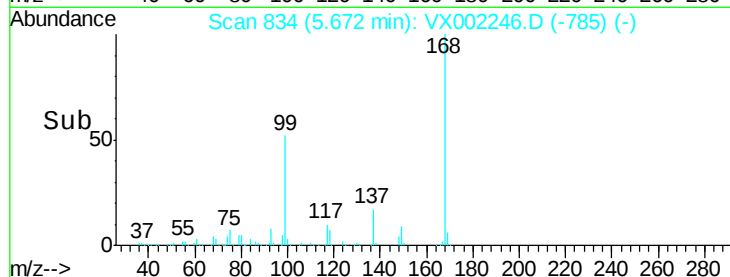
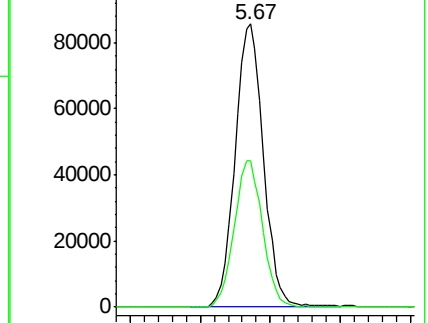
168 100

99 51.7 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 94.833 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002246.D

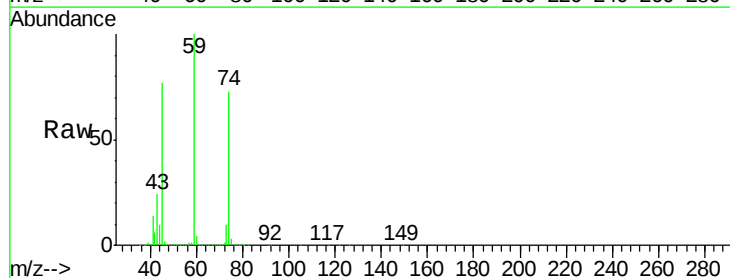
Acq: 02 Jun 2018 18:17

Tgt Ion: 74 Resp: 184706

Ion Ratio Lower Upper

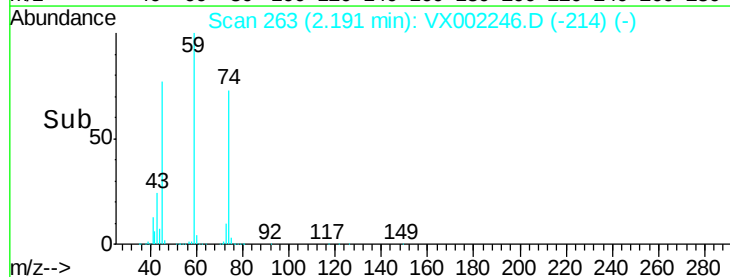
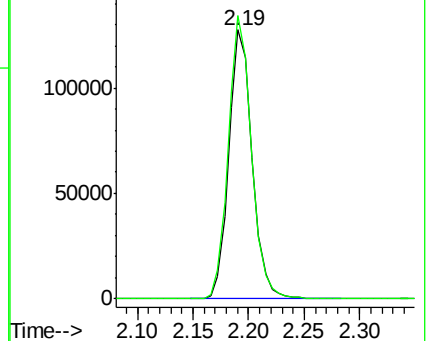
74 100

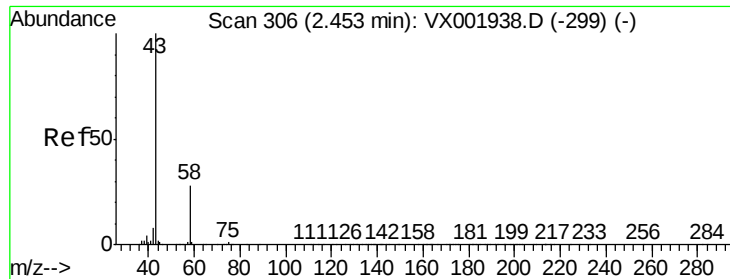
45 104.4 51.5 154.7



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

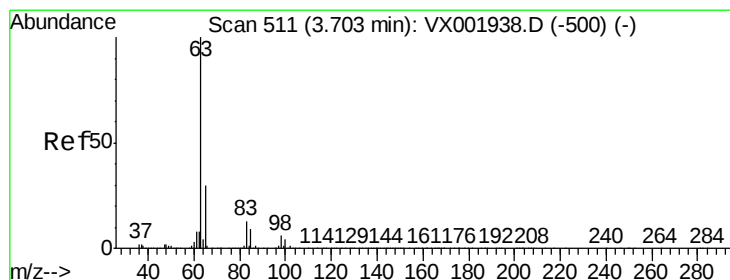
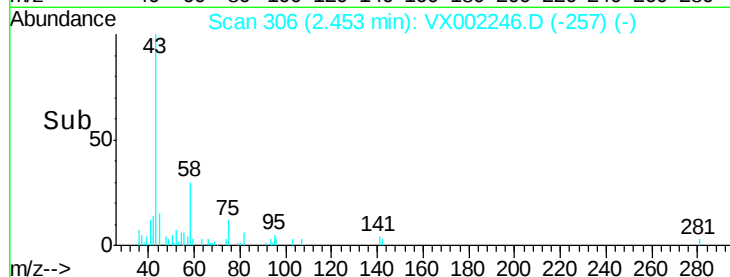
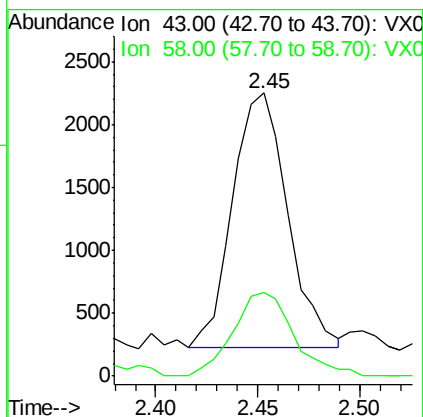
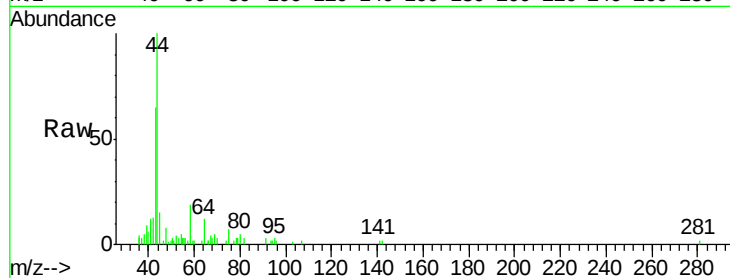




#16
Acetone
Concen: 2.277 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

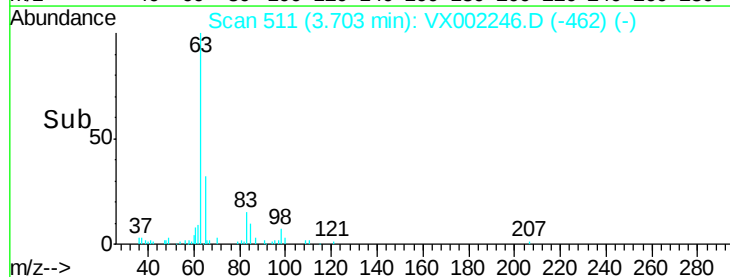
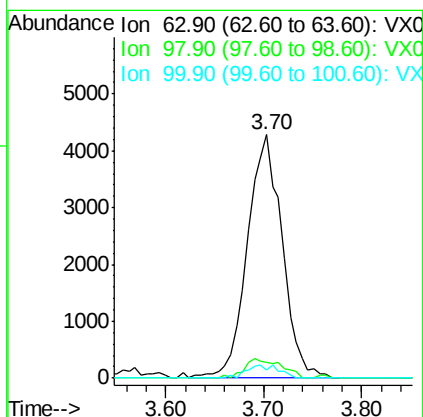
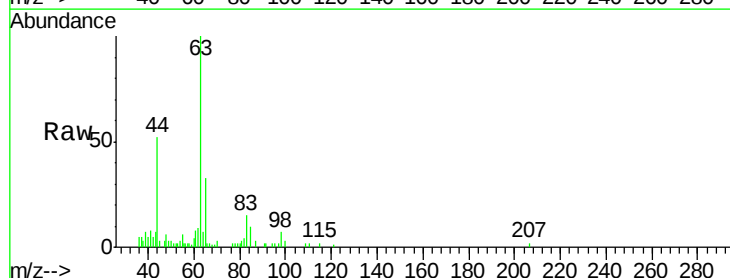
Instrument :
MSVOA_X
ClientSampleId :
LF6-0050

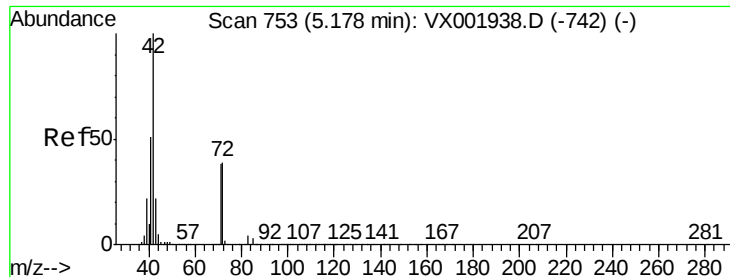
Tot Ion: 43 Resp: 3780
Ion Ratio Lower Upper
43 100
58 32.7 22.3 33.5



#24
1,1-Dichloroethane
Concen: 1.856 ug/l
RT: 3.70 min Scan# 511
Delta R.T. 0.00 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

Tgt Ion: 63 Resp: 10558
Ion Ratio Lower Upper
63 100
98 6.7 3.3 9.8
100 3.4 2.1 6.5

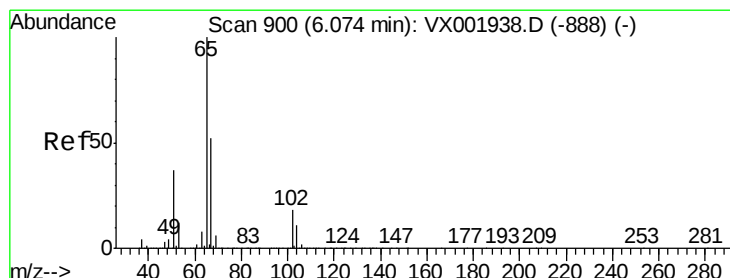
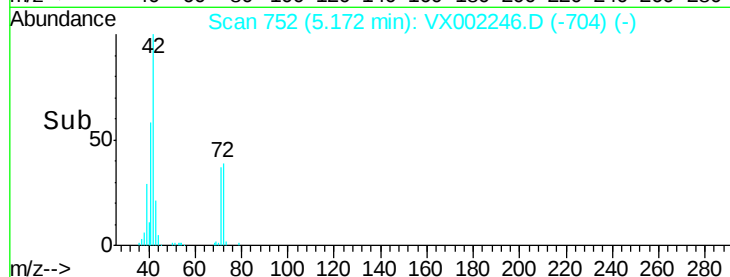
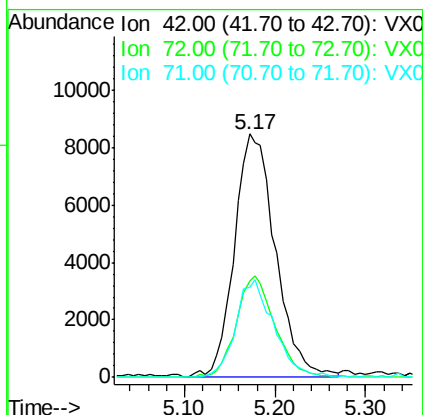
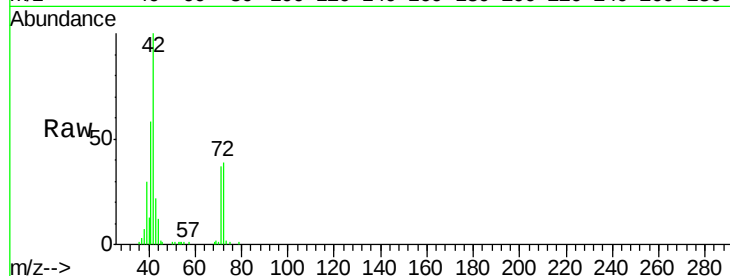




#29
Tetrahydrofuran
Concen: 13.454 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

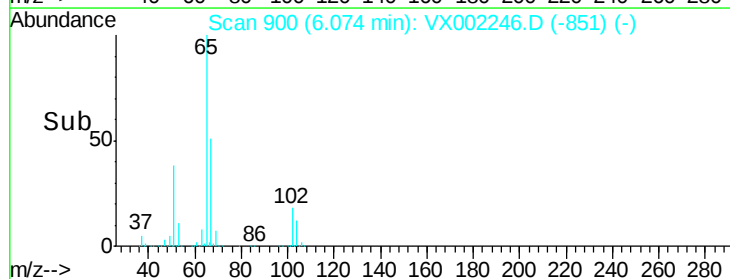
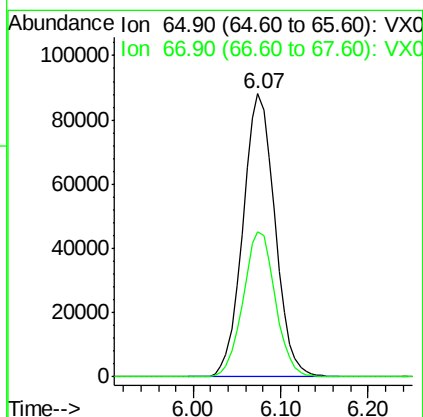
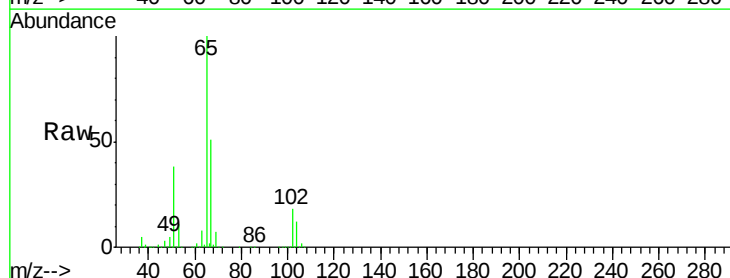
Instrument :
MSVOA_X
ClientSampled :
LF6-0050

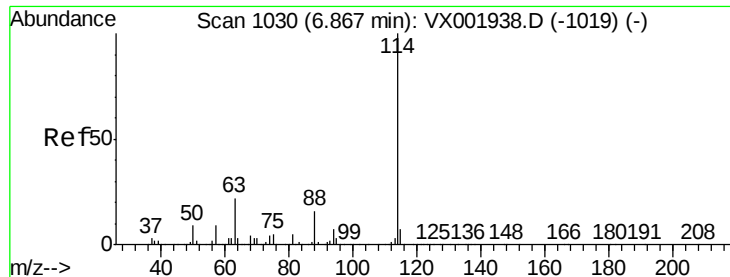
Tot Ion: 42 Resp: 26629
Ion Ratio Lower Upper
42 100
72 38.9 31.4 47.0
71 37.2 29.5 44.3



#33
1,2-Dichloroethane-d4
Concen: 52.126 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

Tgt Ion: 65 Resp: 224189
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002246.D

Acq: 02 Jun 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050

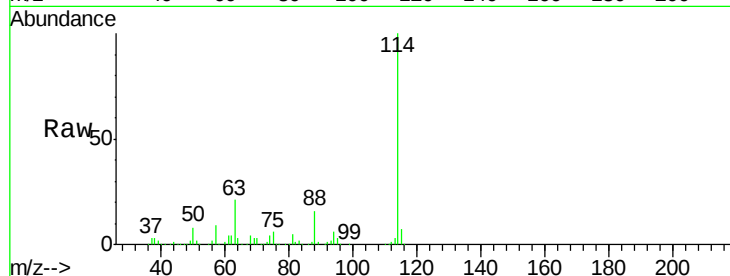
Tot Ion:114 Resp: 348159

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

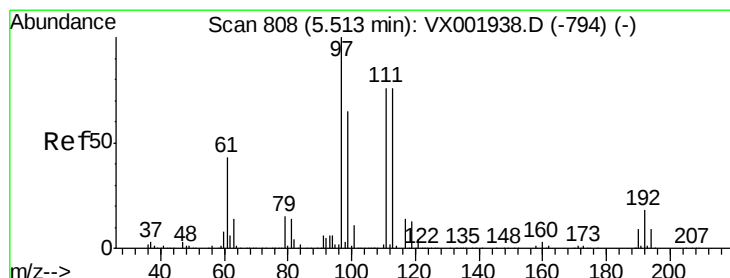
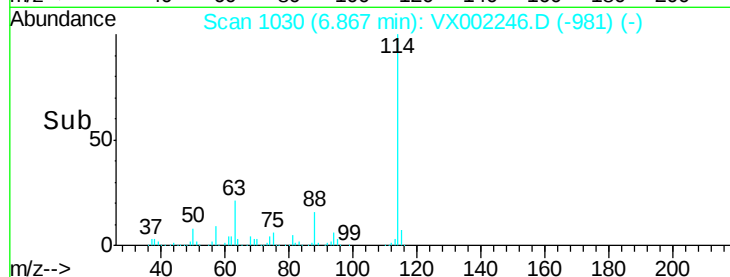
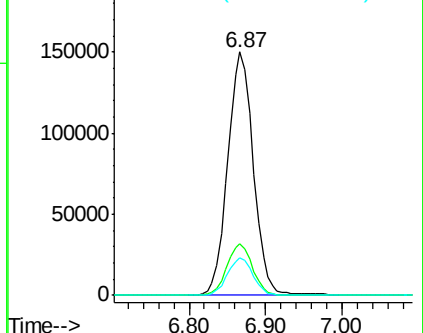
88 15.6 0.0 31.6



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: 46.693 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002246.D

Acq: 02 Jun 2018 18:17

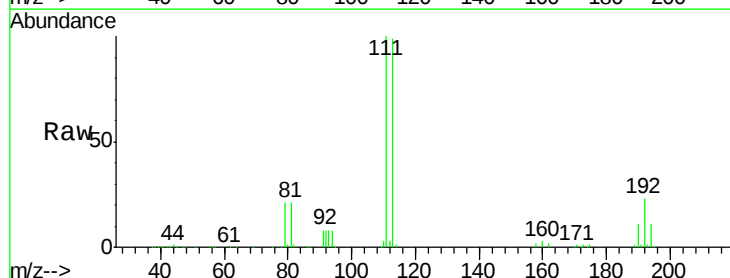
Tgt Ion:113 Resp: 162568

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

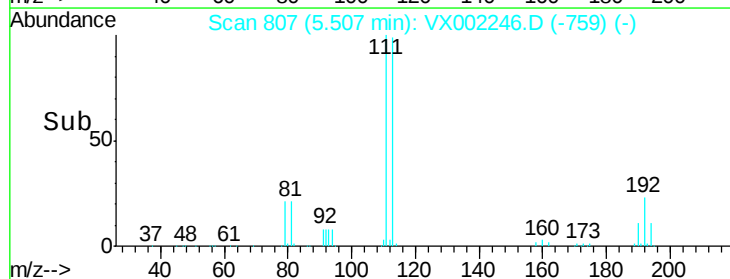
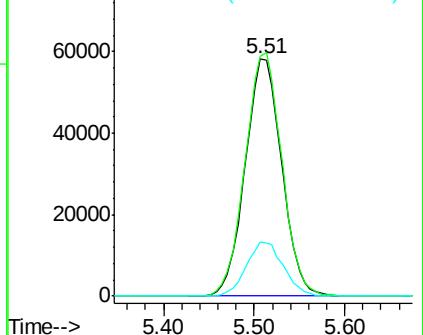
192 23.1 18.9 28.3

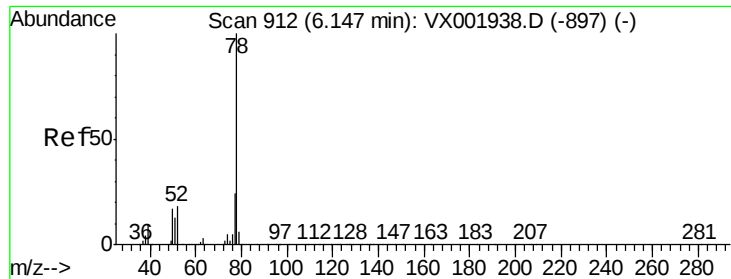


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.949 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002246.D

Acq: 02 Jun 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

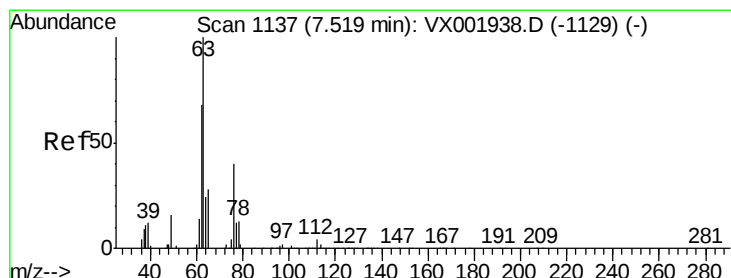
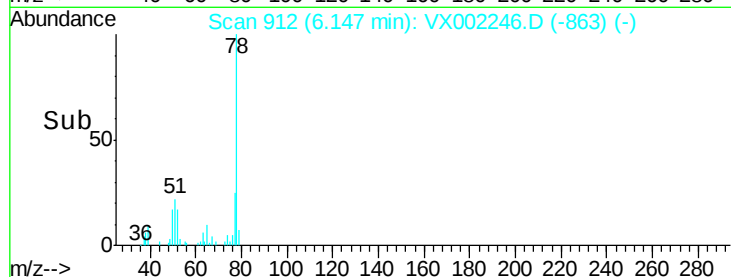
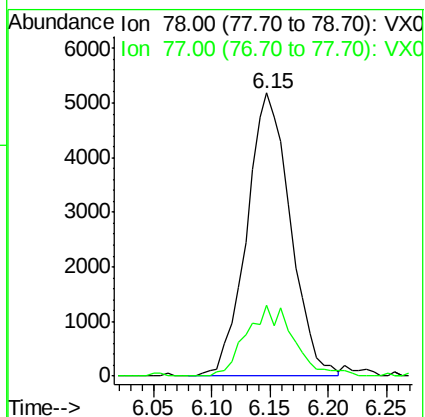
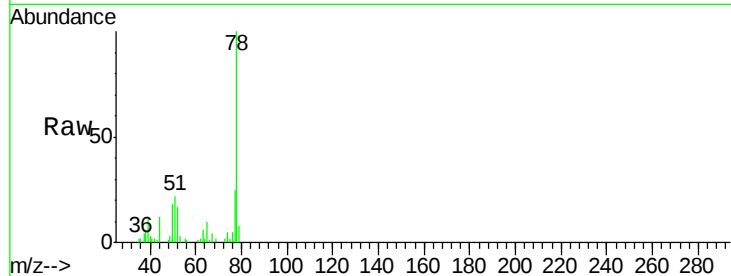
LF6-0050

Tot Ion: 78 Resp: 13468

Ion Ratio Lower Upper

78 100

77 25.2 19.1 28.7



#45

1,2-Dichloropropane

Concen: 0.991 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002246.D

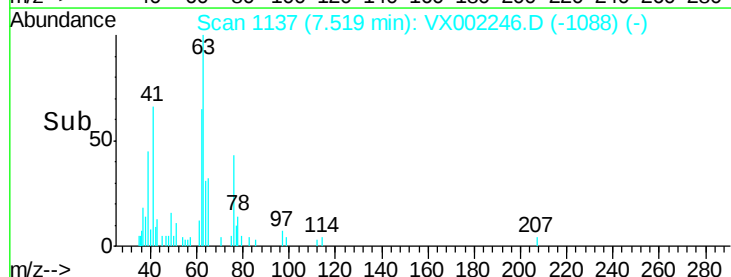
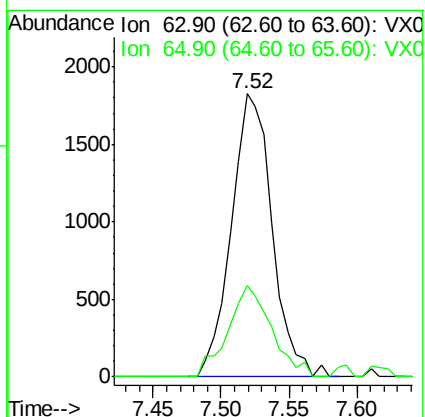
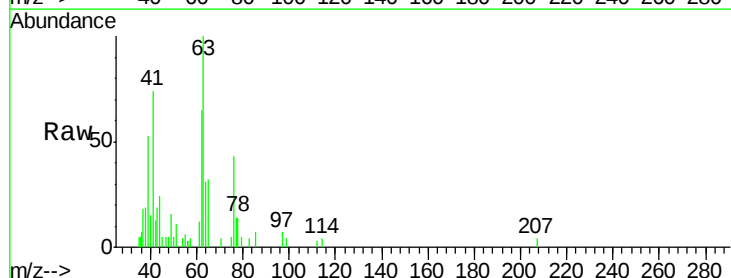
Acq: 02 Jun 2018 18:17

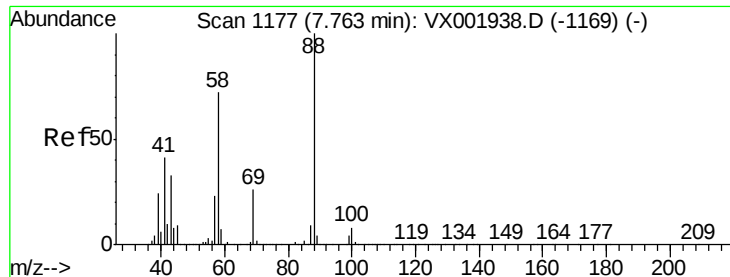
Tgt Ion: 63 Resp: 3818

Ion Ratio Lower Upper

63 100

65 32.5 24.1 36.1

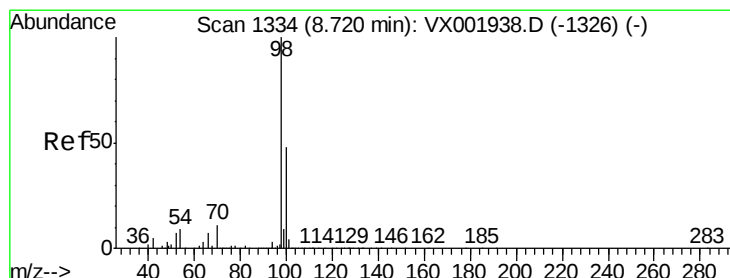
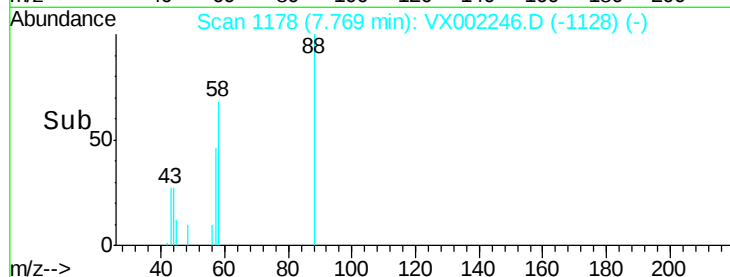
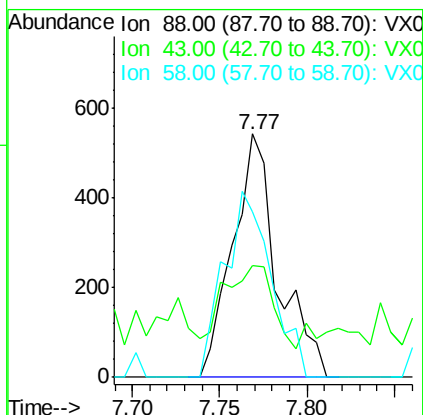
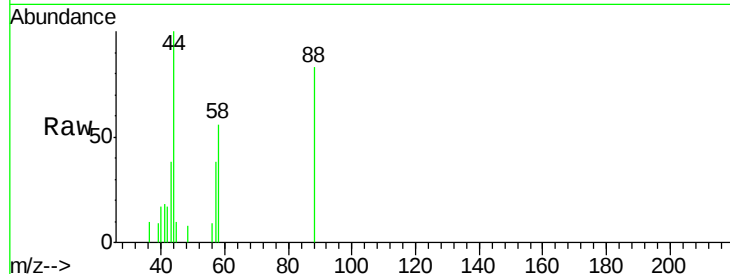




#49
1,4-Dioxane
Concen: 10.239 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

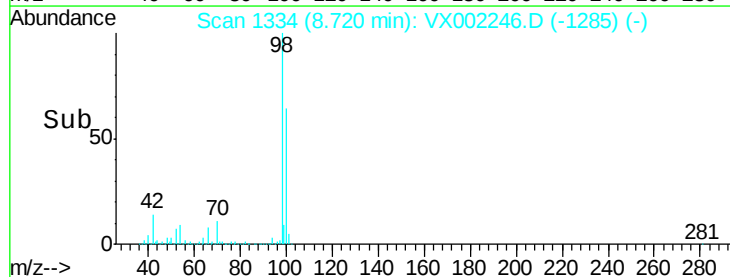
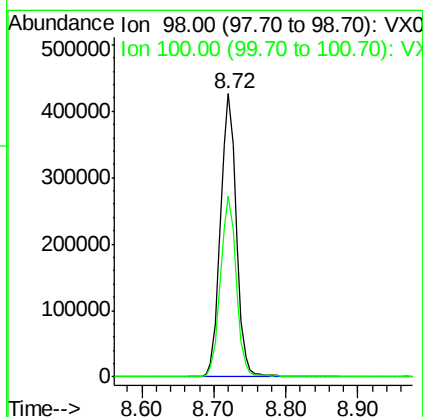
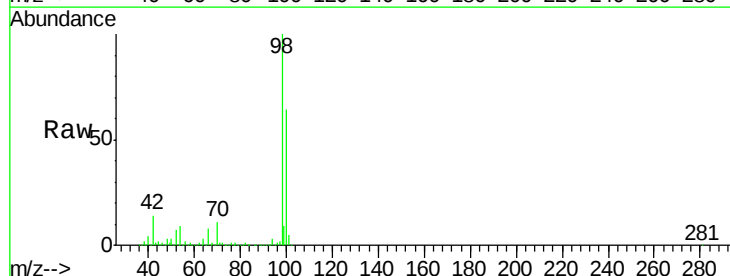
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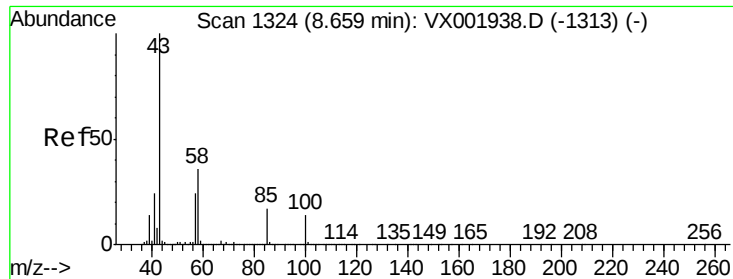
Tot Ion: 88 Resp: 966
Ion Ratio Lower Upper
88 100
43 36.6 29.8 44.8
58 79.7 58.7 88.1



#50
Toluene-d8
Concen: 51.647 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

Tgt Ion: 98 Resp: 650995
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3

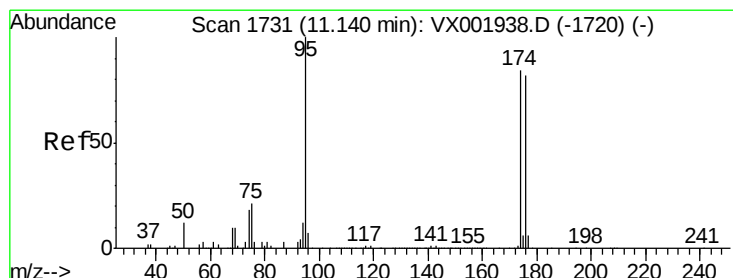
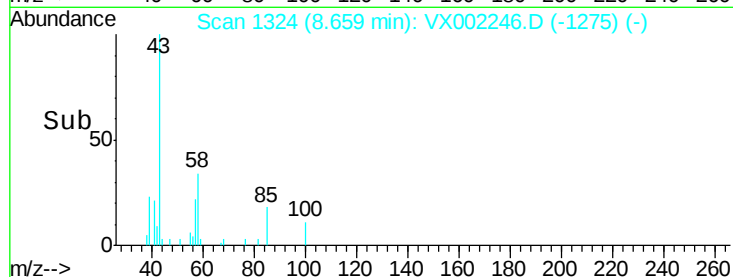
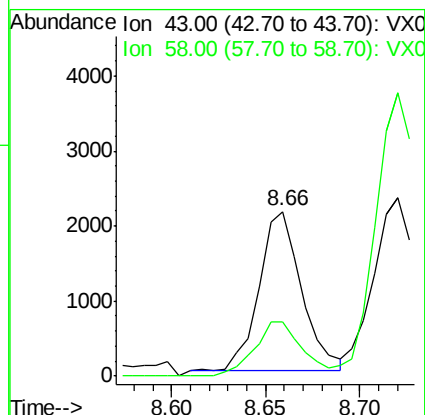
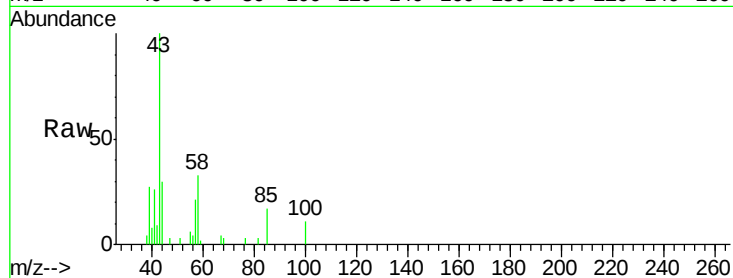




#51
4-Methyl-2-Pentanone
Concen: 0.521 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

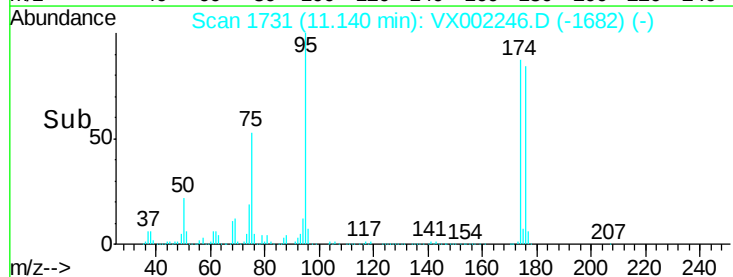
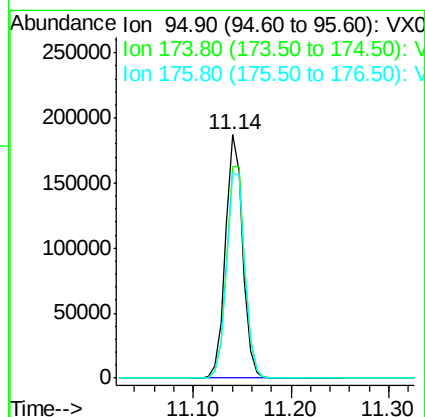
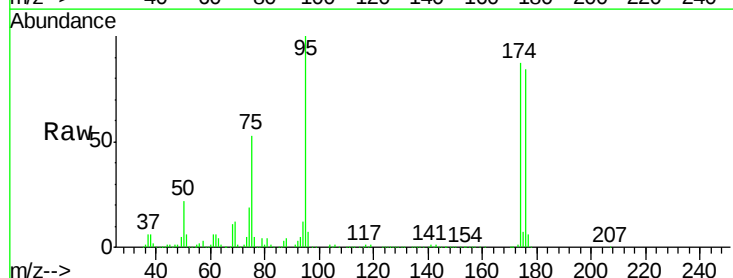
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LF6-0050

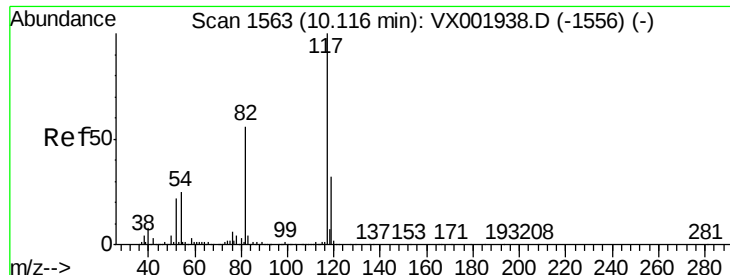
Tot Ion: 43 Resp: 3305
Ion Ratio Lower Upper
43 100
58 38.2 28.5 42.7



#62
4-Bromofluorobenzene
Concen: 46.259 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

Tgt Ion: 95 Resp: 228131
Ion Ratio Lower Upper
95 100
174 92.6 0.0 178.8
176 89.7 0.0 175.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002246.D

Acq: 02 Jun 2018 18:17

Instrument :

MSVOA_X

ClientSampled :

LF6-0050

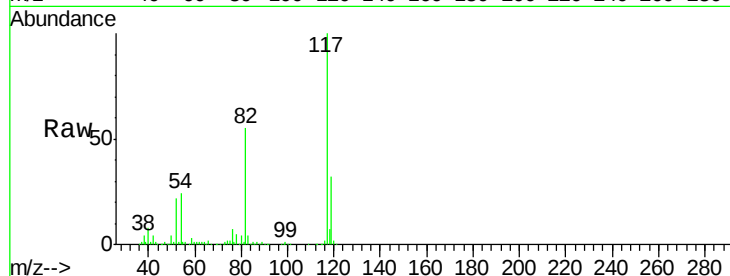
Tot Ion:117 Resp: 316054

Ion Ratio Lower Upper

117 100

82 55.3 44.8 67.2

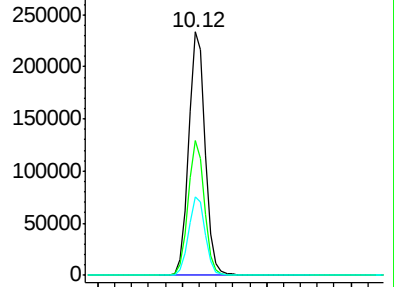
119 32.5 25.5 38.3



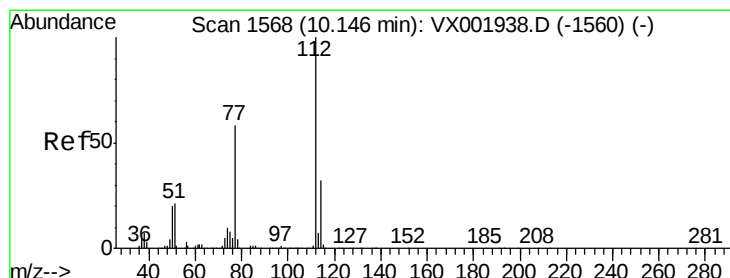
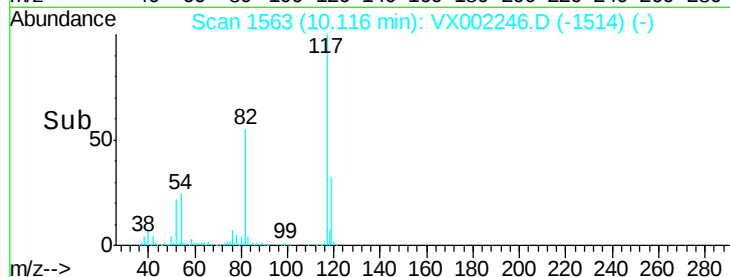
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



Time--> 10.00 10.10 10.20 10.30



#65

Chlorobenzene

Concen: 3.927 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX002246.D

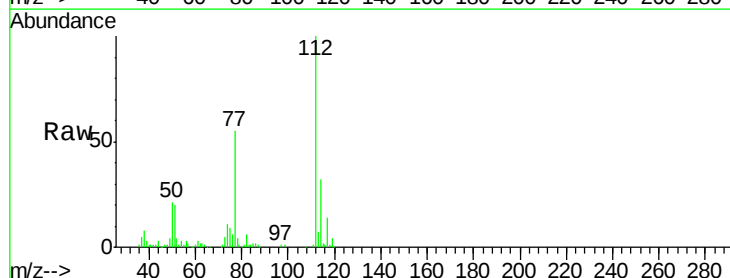
Acq: 02 Jun 2018 18:17

Tgt Ion:112 Resp: 39327

Ion Ratio Lower Upper

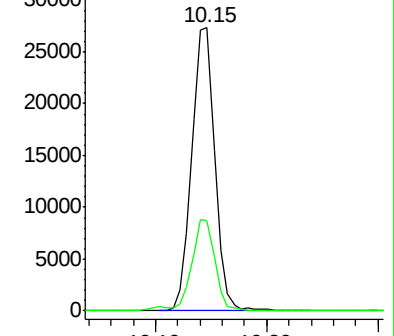
112 100

114 31.7 25.9 38.9

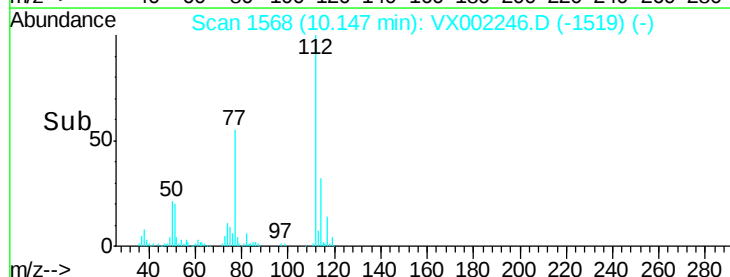


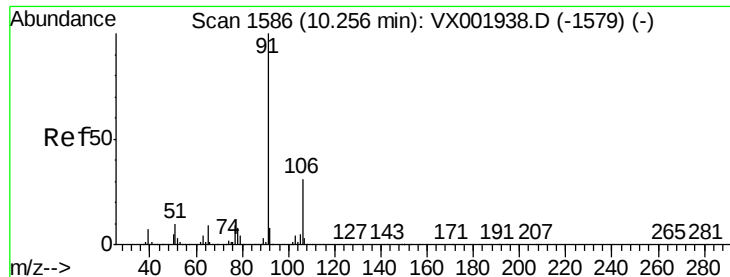
Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 10.10 10.20

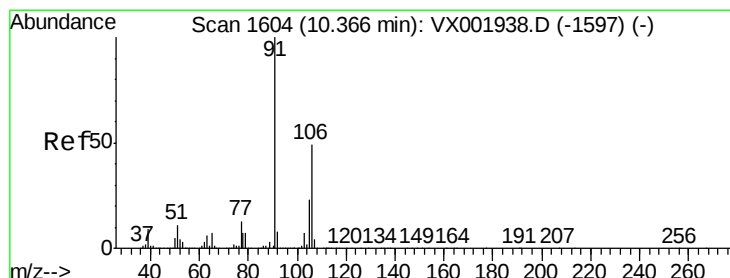
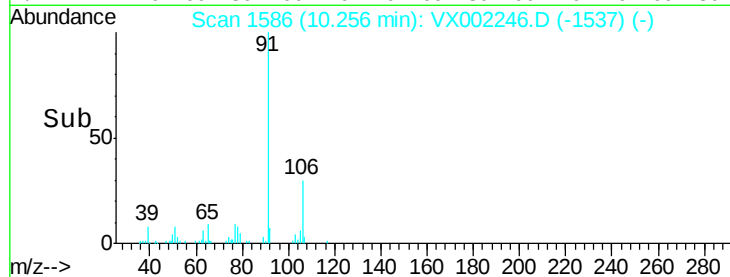
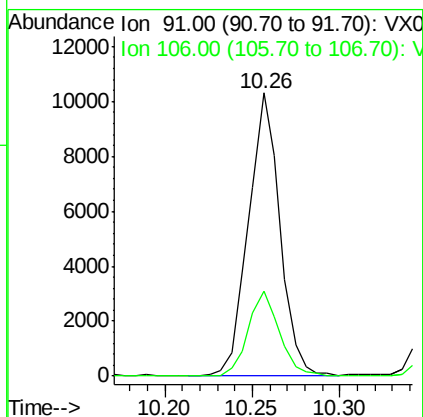
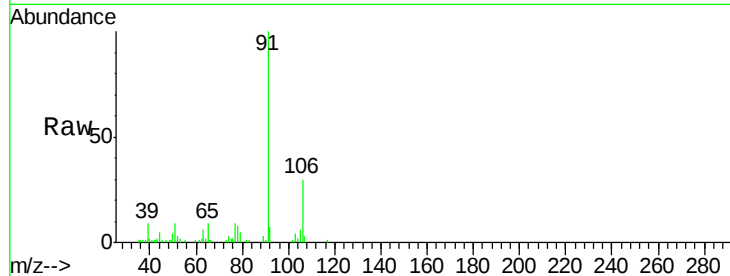




#67
Ethyl Benzene
Concen: 0.744 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

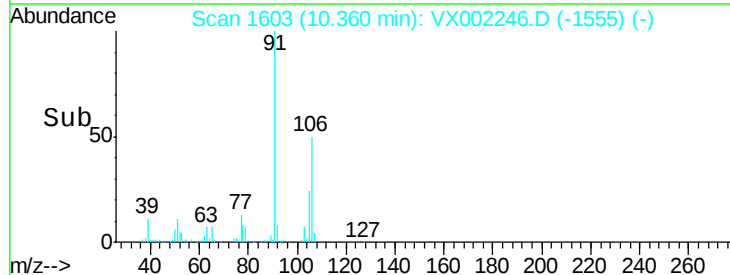
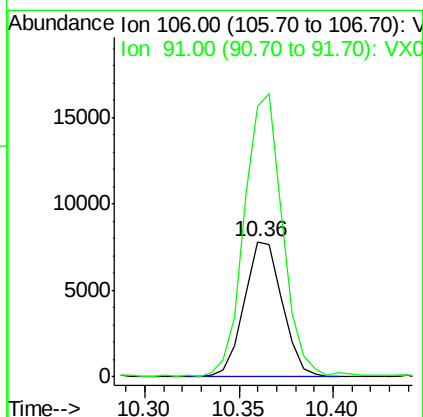
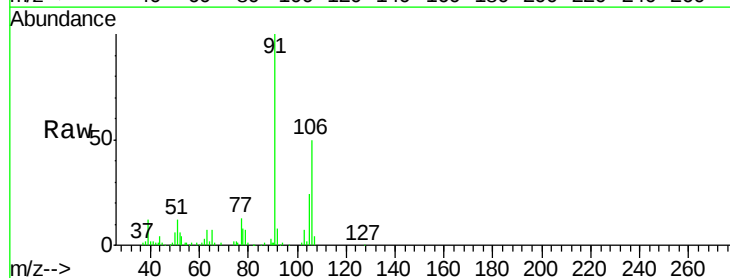
Instrument :
MSVOA_X
ClientSampleId :
LF6-0050

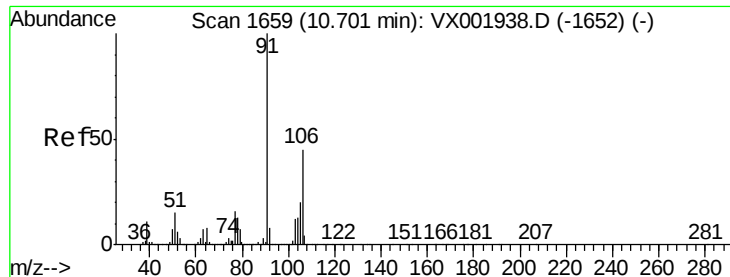
Tot Ion: 91 Resp: 12950
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.6



#68
m/p-Xylenes
Concen: 1.657 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

Tgt Ion: 106 Resp: 11018
Ion Ratio Lower Upper
106 100
91 211.7 165.0 247.6

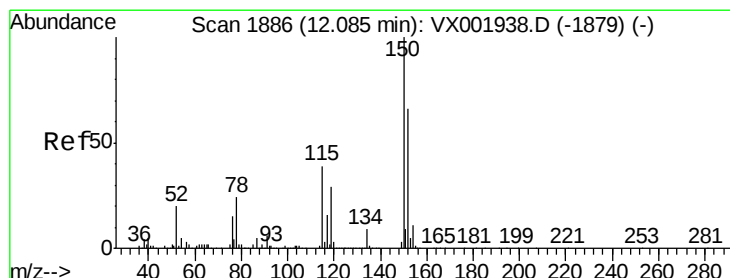
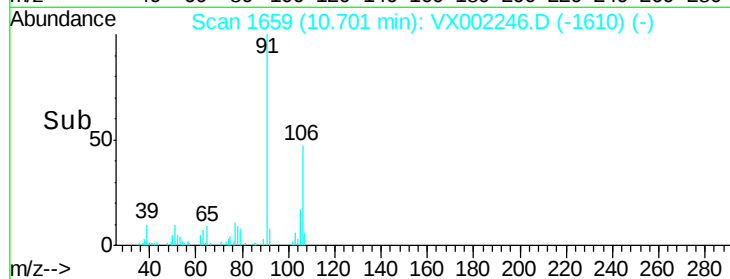
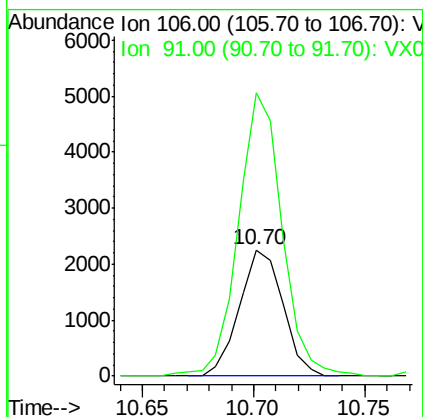
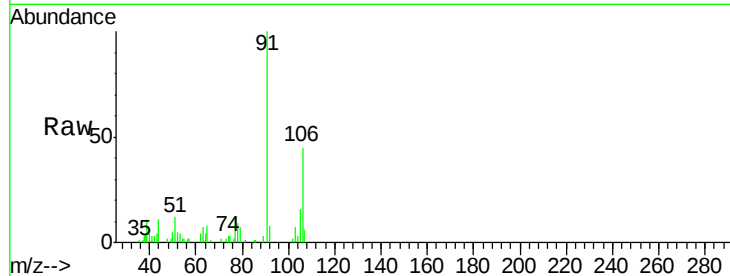




#69
o-Xylene
Concen: 0.463 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

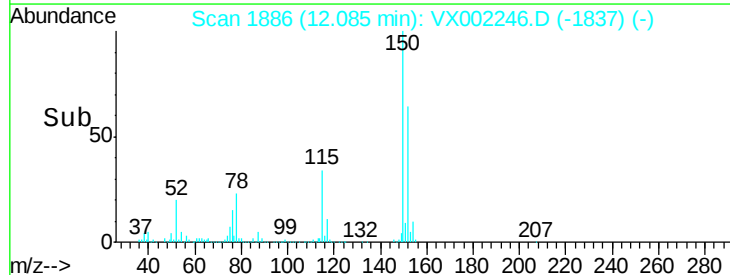
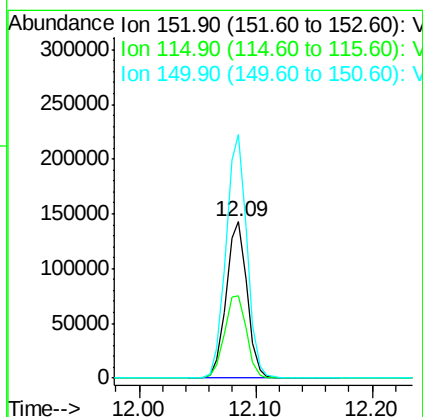
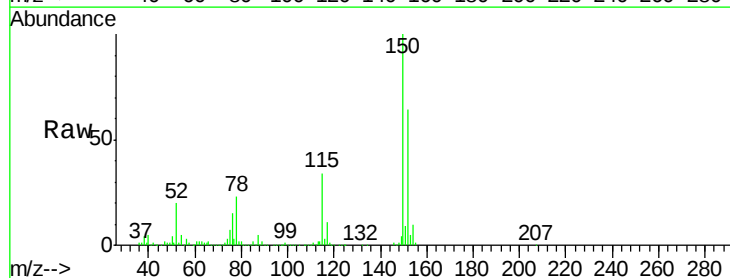
Instrument :
MSVOA_X
ClientSampled :
LF6-0050

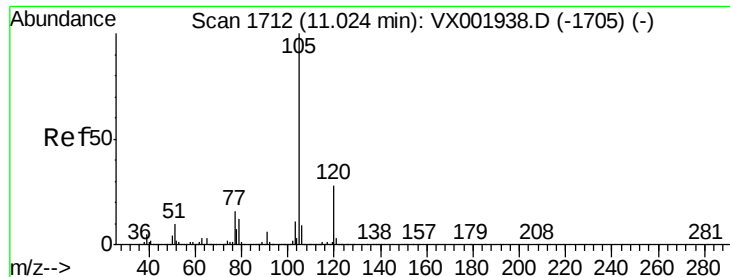
Tot Ion:106 Resp: 3075
Ion Ratio Lower Upper
106 100
91 225.1 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002246.D
Acq: 02 Jun 2018 18:17

Tgt Ion:152 Resp: 176841
Ion Ratio Lower Upper
152 100
115 55.6 42.3 126.8
150 156.1 0.0 351.0





#73

Isopropylbenzene

Concen: 0.396 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002246.D

Acq: 02 Jun 2018 18:17

Instrument :

MSVOA_X

ClientSampled :

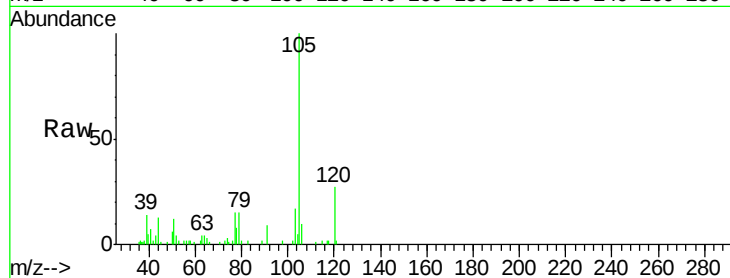
LF6-0050

Tot Ion:105 Resp: 5934

Ion Ratio Lower Upper

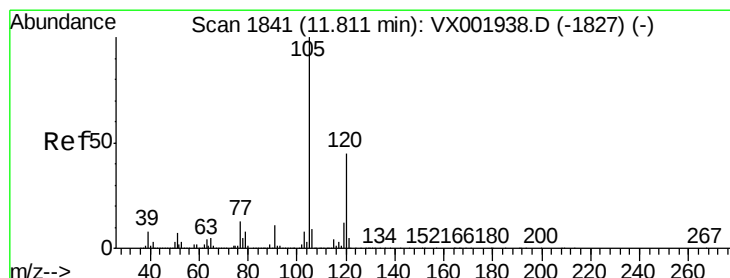
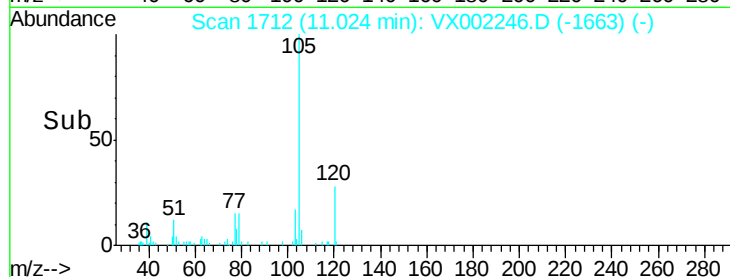
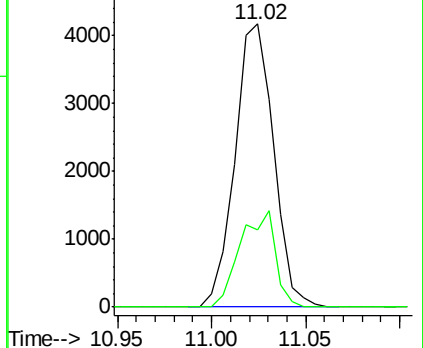
105 100

120 31.0 13.6 40.7



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: 0.202 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002246.D

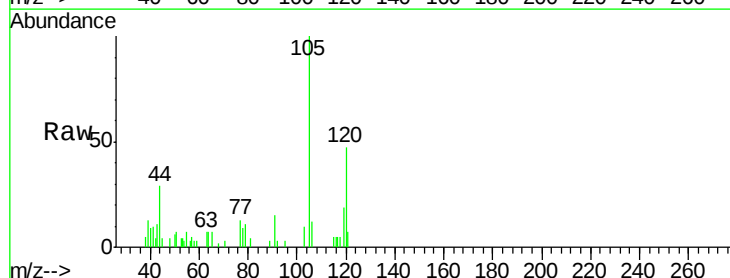
Acq: 02 Jun 2018 18:17

Tgt Ion:105 Resp: 2671

Ion Ratio Lower Upper

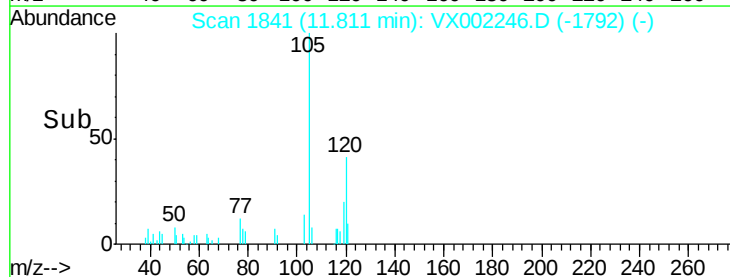
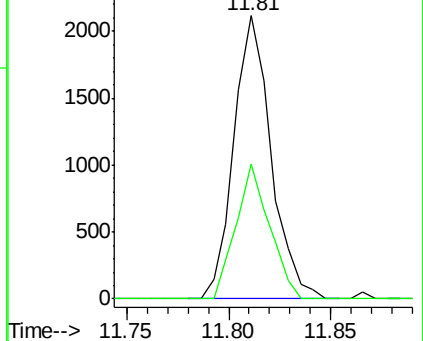
105 100

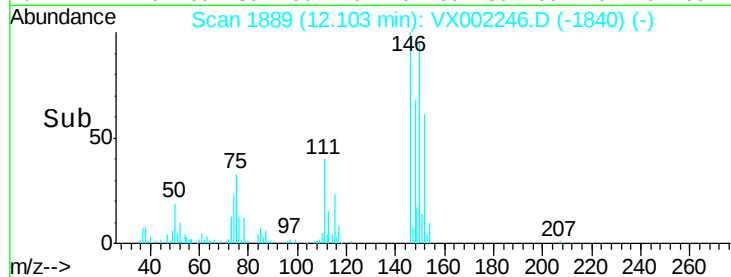
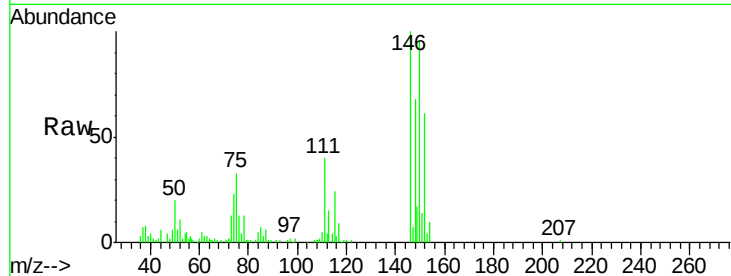
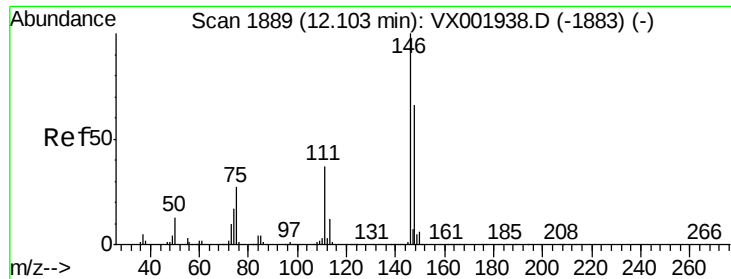
120 42.8 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#88

1,4-Dichlorobenzene

Concen: 1.993 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002246.D

Acq: 02 Jun 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050

Tot Ion:146 Resp: 14176

Ion Ratio Lower Upper

146 100

111 55.8 18.9 56.5

148 73.1 32.3 96.8

