

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061220\
 Data File : VX016731.D
 Acq On : 12 Jun 2020 16:18
 Operator : JC/SP
 Sample : L3004-02 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW045-200611

Quant Time: Jun 15 08:03:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	225493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	350597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	361962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	185464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	133914	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.64%		
35) Dibromofluoromethane	5.46	113	111922	51.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.68%		
50) Toluene-d8	8.70	98	435121	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.56%		
62) 4-Bromofluorobenzene	11.12	95	173424	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.84%		

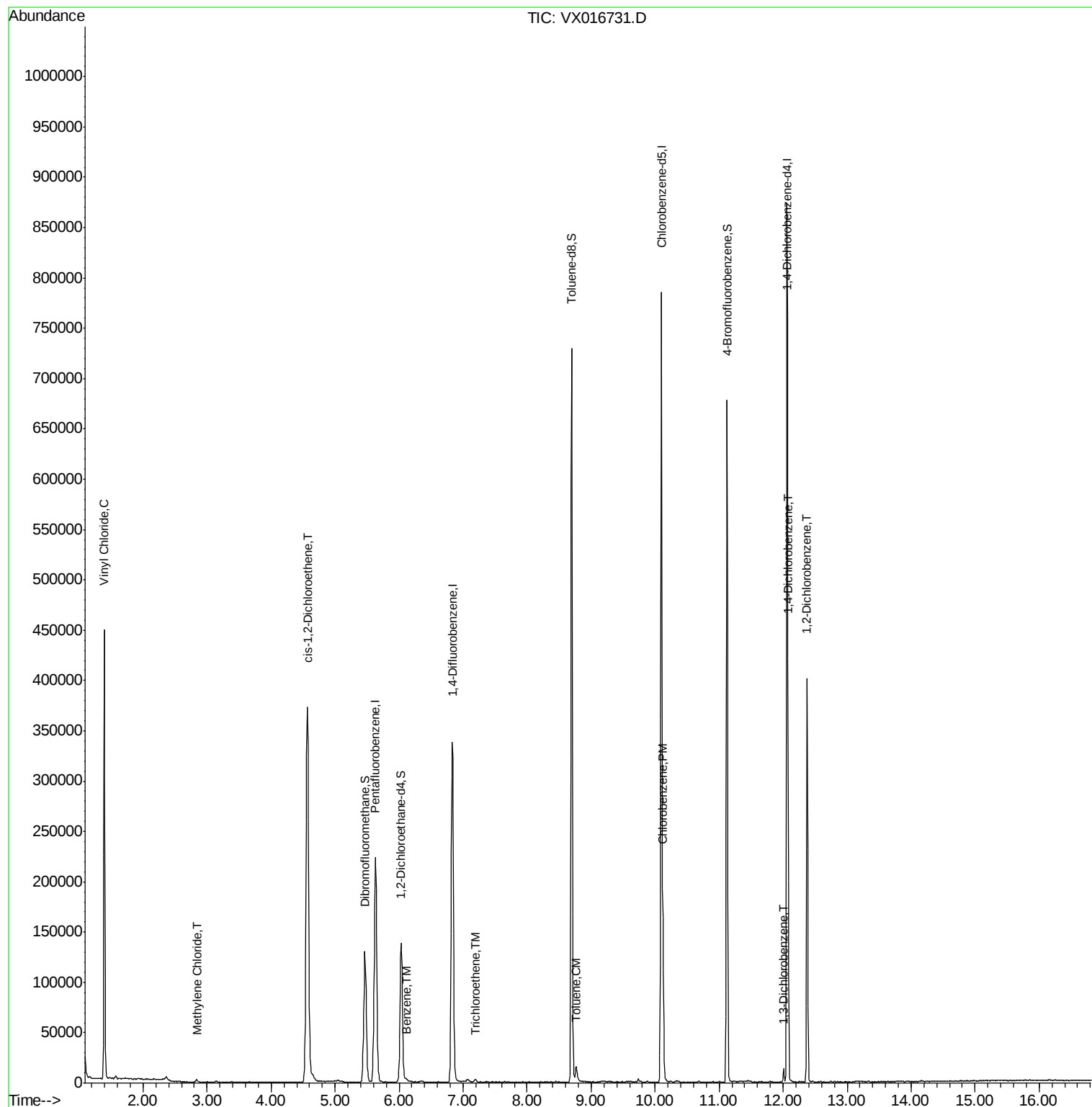
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	254721	89.818	ug/l	100
20) Methylene Chloride	2.83	84	1083	0.427	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	250943	90.383	ug/l	88
40) Benzene	6.12	78	2990	0.302	ug/l	95
44) Trichloroethene	7.19	130	993	0.317	ug/l	68
52) Toluene	8.77	92	4336	0.696	ug/l	91
65) Chlorobenzene	10.12	112	65948	8.937	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	4412	0.756	ug/l	94
88) 1,4-Dichlorobenzene	12.08	146	33130	5.548	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	138760	24.528	ug/l	98

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

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Quant Time: Jun 15 08:03:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 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: VX016731.D

Acq: 12 Jun 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

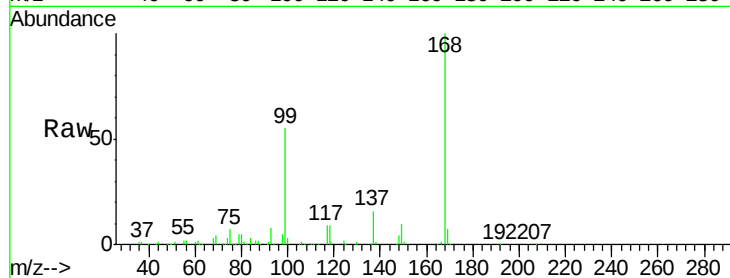
LF015MW045-200611

Tgt Ion:168 Resp: 225493

Ion Ratio Lower Upper

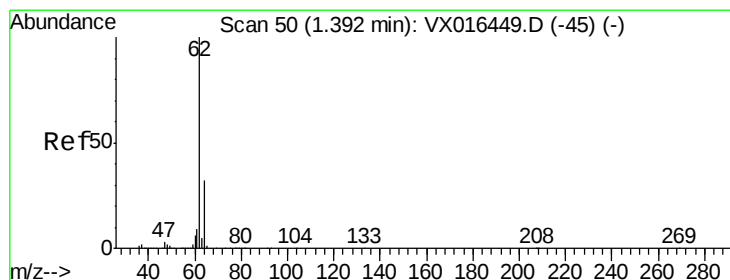
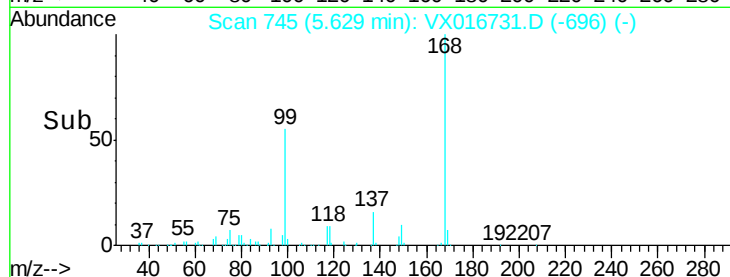
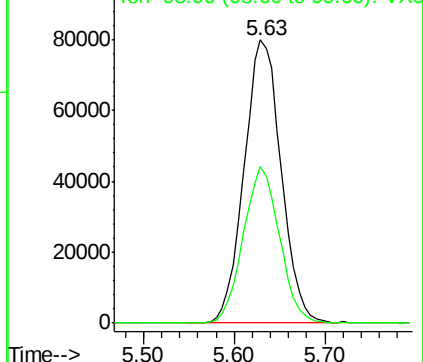
168 100

99 55.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 89.818 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016731.D

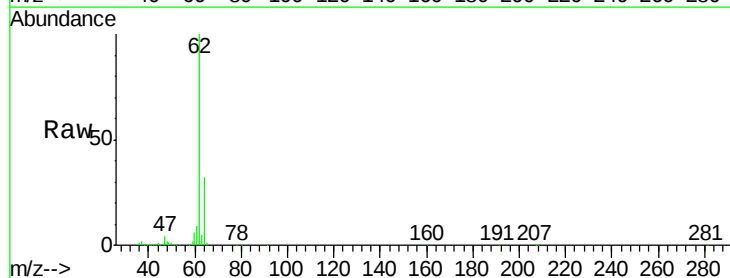
Acq: 12 Jun 2020 16:18

Tgt Ion: 62 Resp: 254721

Ion Ratio Lower Upper

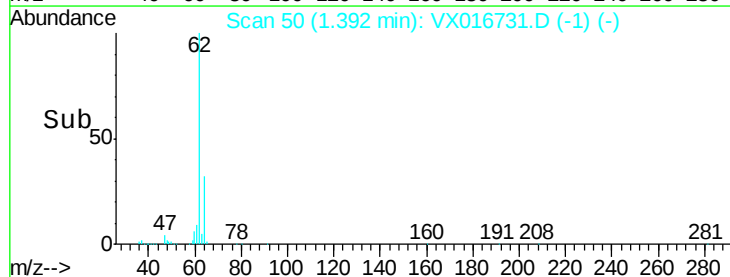
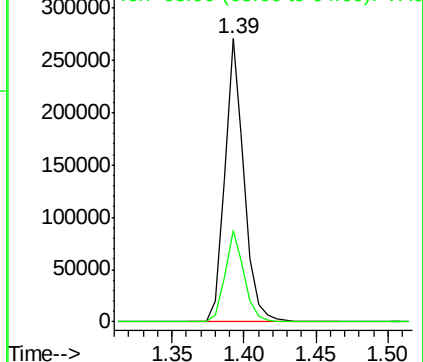
62 100

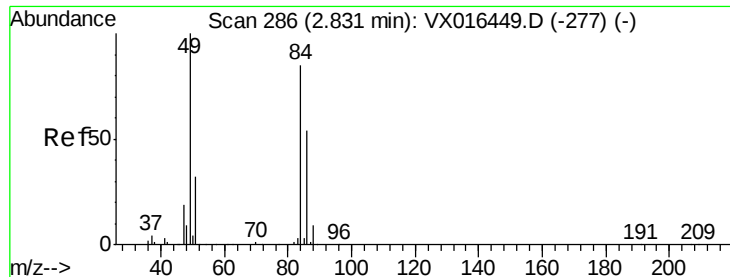
64 32.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

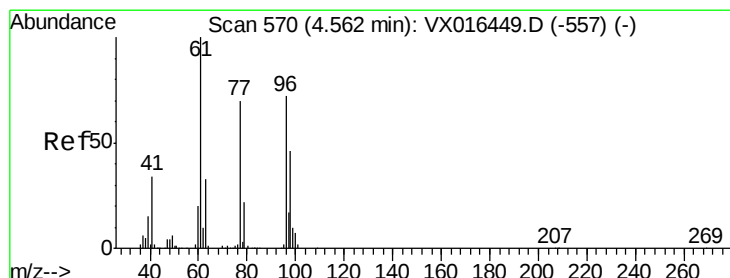
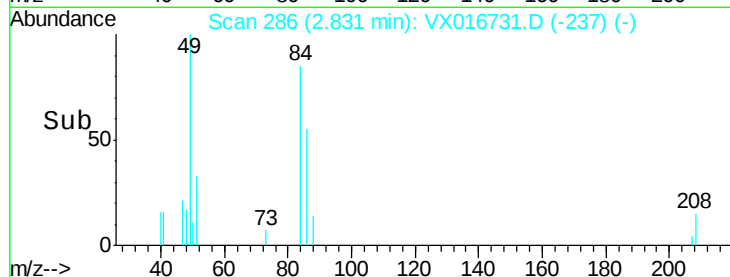
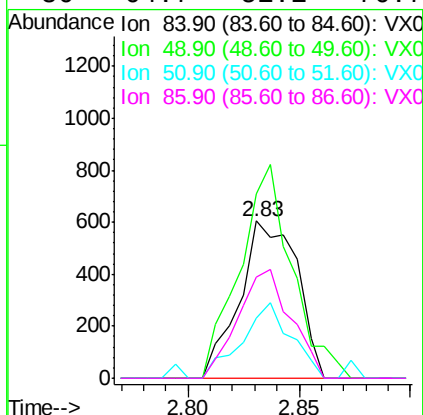
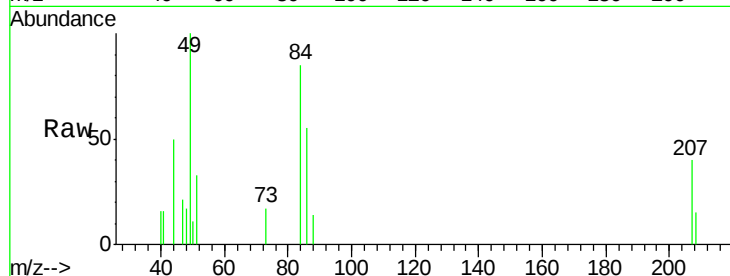




#20
Methylene Chloride
Concen: 0.427 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX016731.D
Acq: 12 Jun 2020 16:18

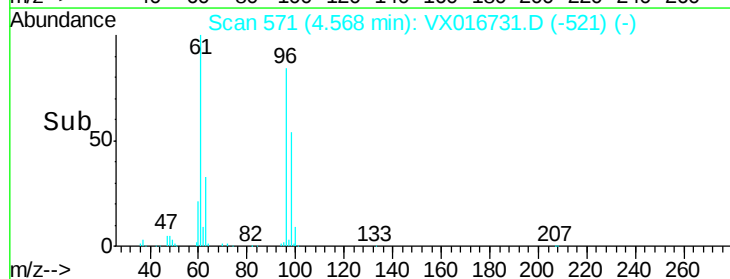
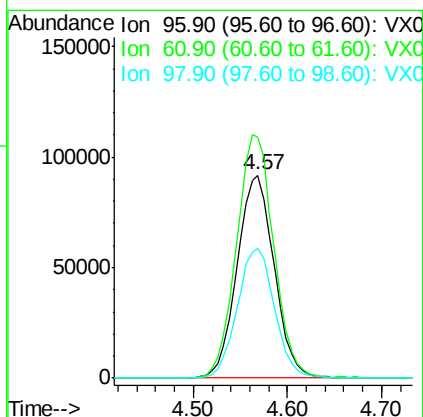
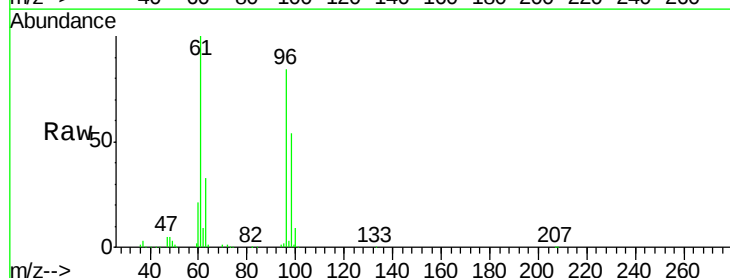
Instrument :
MSVOA_X
ClientSampleId :
LF015MW045-200611

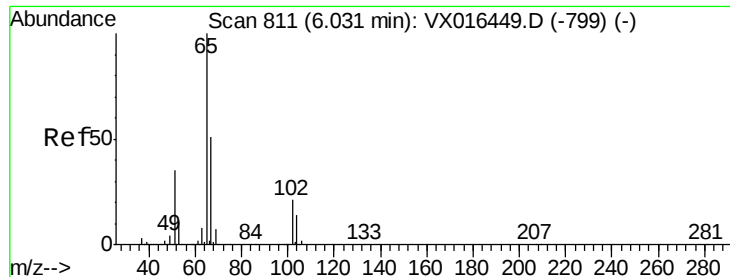
Tgt Ion:	84	Resp:	1083
Ion	Ratio	Lower	Upper
84	100		
49	117.5	94.5	141.7
51	38.2	30.2	45.4
86	64.7	51.1	76.7



#27
cis-1,2-Dichloroethene
Concen: 90.383 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016731.D
Acq: 12 Jun 2020 16:18

Tgt Ion:	96	Resp:	250943
Ion	Ratio	Lower	Upper
96	100		
61	121.3	0.0	284.6
98	64.5	0.0	127.2





#33

1,2-Dichloroethane-d4

Concen: 47.821 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016731.D

Acq: 12 Jun 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

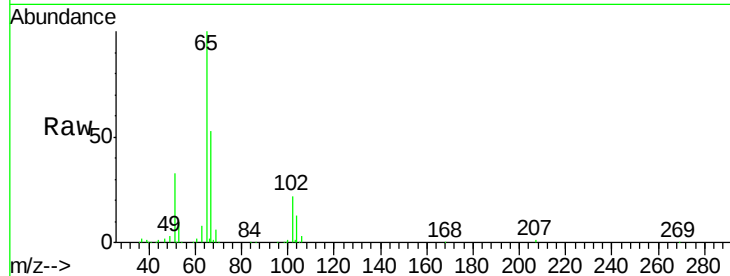
LF015MW045-200611

Tgt Ion: 65 Resp: 133914

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

50000

40000

30000

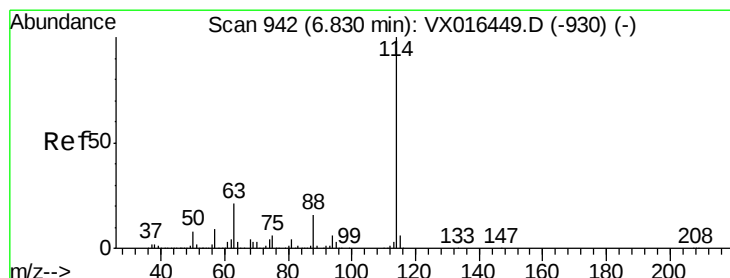
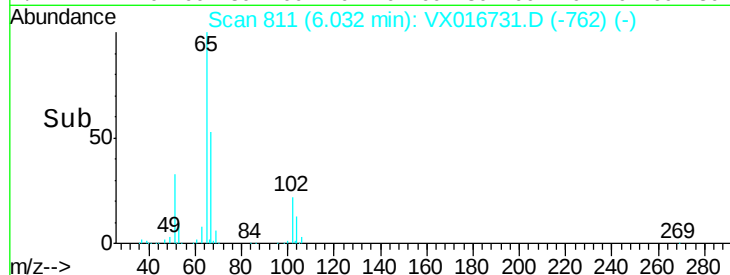
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016731.D

Acq: 12 Jun 2020 16:18

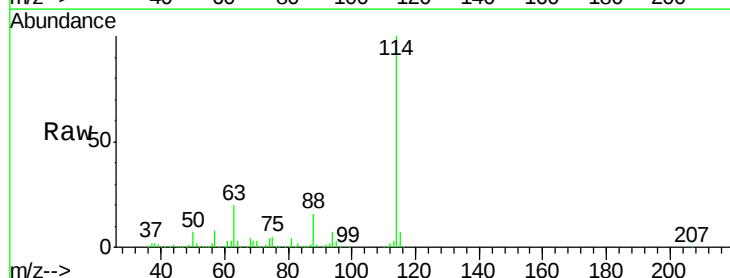
Tgt Ion: 114 Resp: 350597

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 15.8 0.0 32.8



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

200000

150000

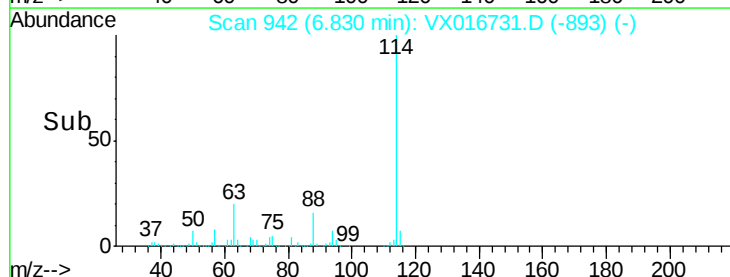
100000

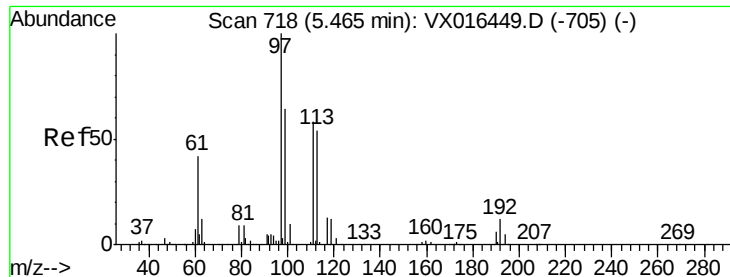
50000

0

Time-->

6.70 6.80 6.90





#35

Dibromofluoromethane

Concen: 51.845 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016731.D

Acq: 12 Jun 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

LF015MW045-200611

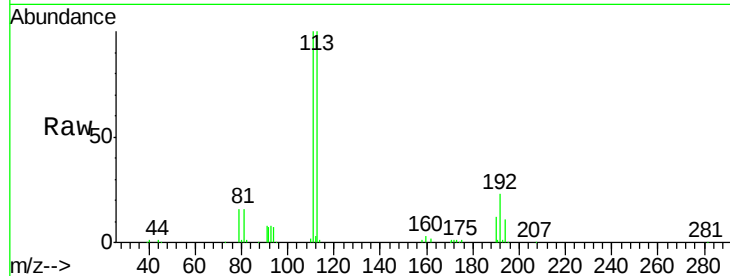
Tgt Ion:113 Resp: 111922

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.6

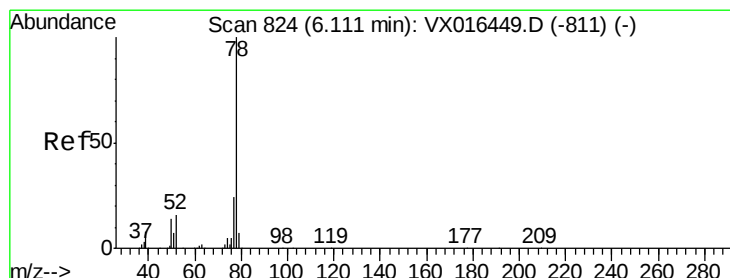
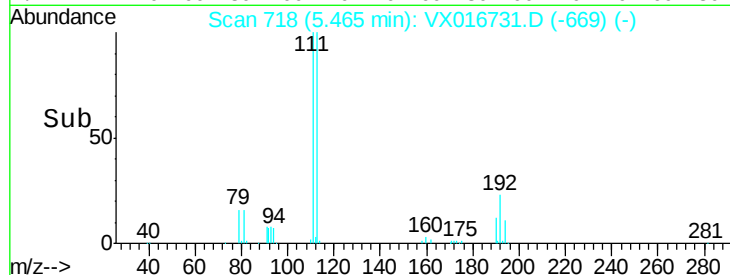
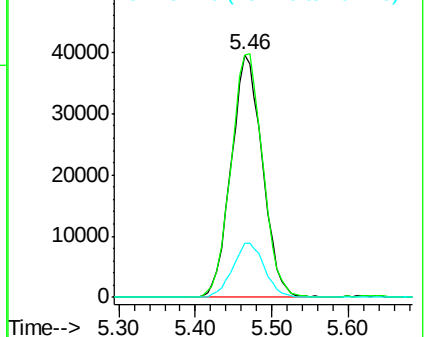
192 22.9 17.7 26.5



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: 0.302 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016731.D

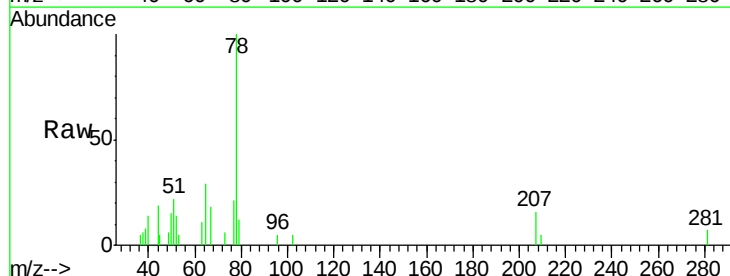
Acq: 12 Jun 2020 16:18

Tgt Ion: 78 Resp: 2990

Ion Ratio Lower Upper

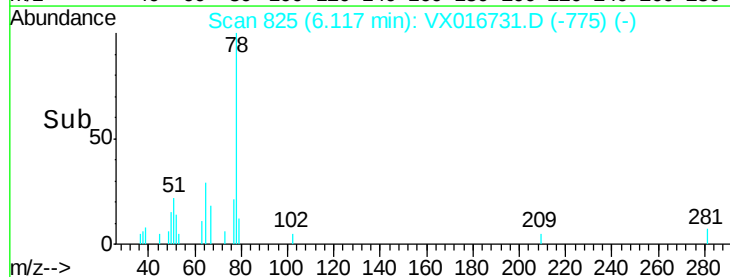
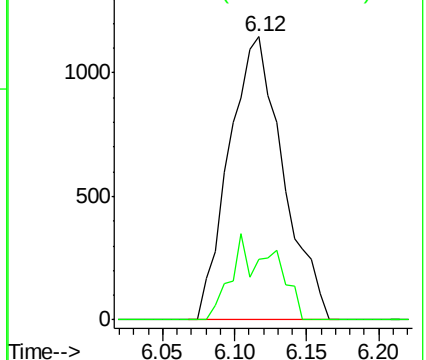
78 100

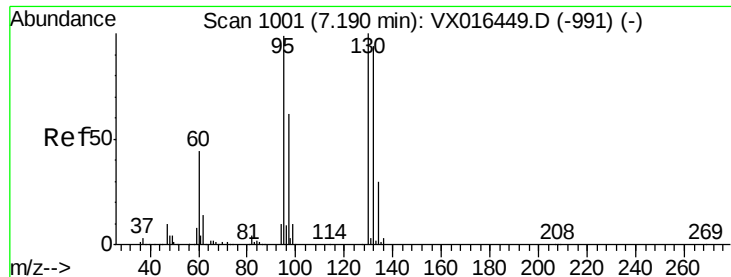
77 21.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#44

Trichloroethene

Concen: 0.317 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016731.D

Acq: 12 Jun 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

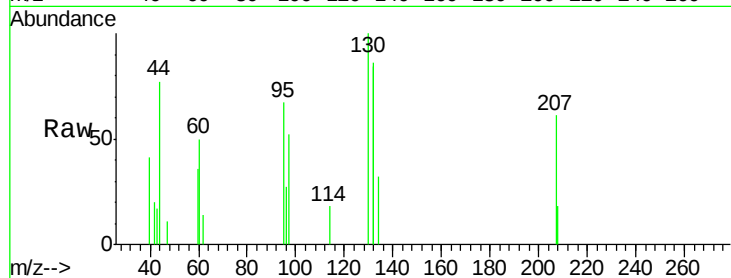
LF015MW045-200611

Tgt Ion:130 Resp: 993

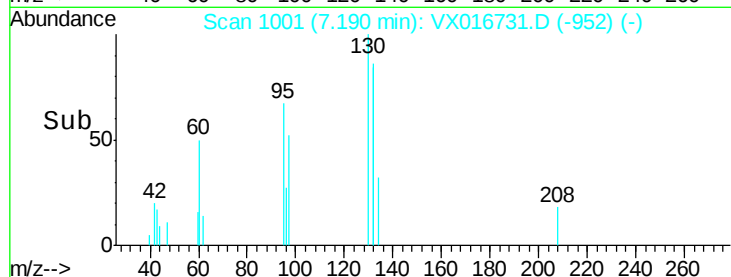
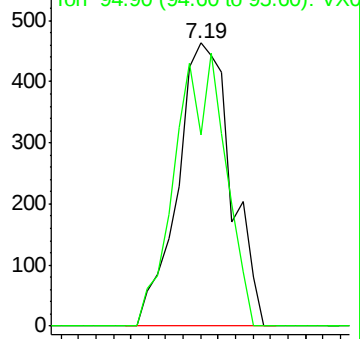
Ion Ratio Lower Upper

130 100

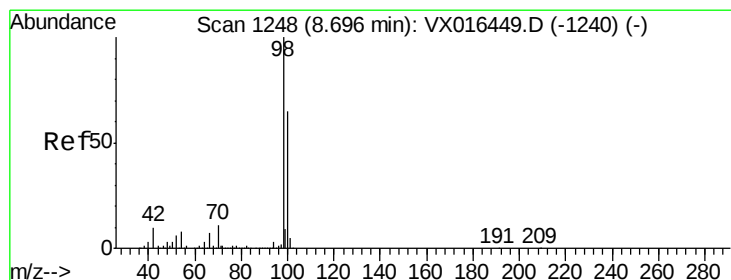
95 67.4 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V



Time-->



#50

Toluene-d8

Concen: 51.785 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016731.D

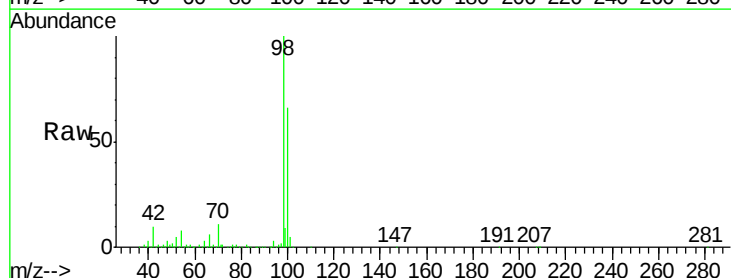
Acq: 12 Jun 2020 16:18

Tgt Ion: 98 Resp: 435121

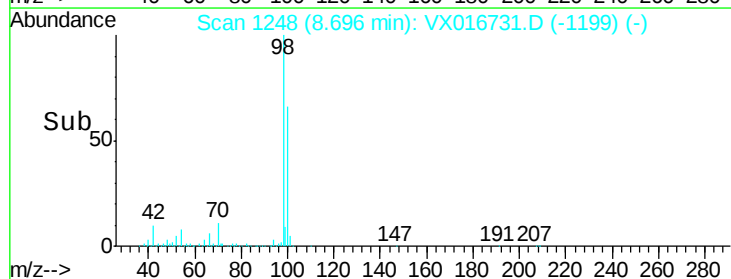
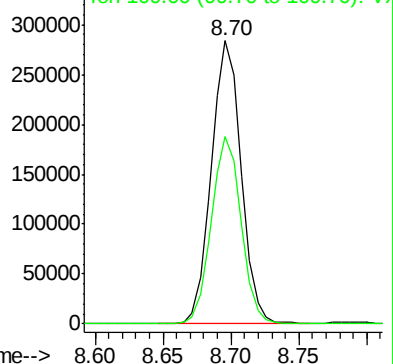
Ion Ratio Lower Upper

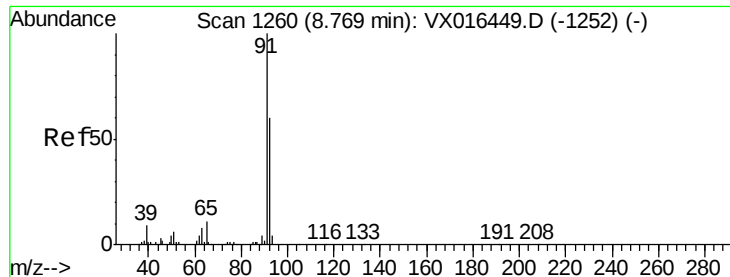
98 100

100 66.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0





#52

Toluene

Concen: 0.696 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX016731.D

Acq: 12 Jun 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

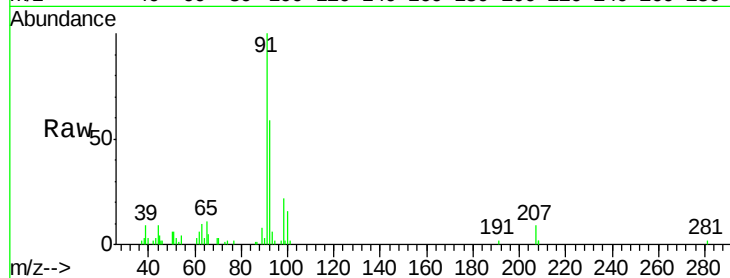
LF015MW045-200611

Tgt Ion: 92 Resp: 4336

Ion Ratio Lower Upper

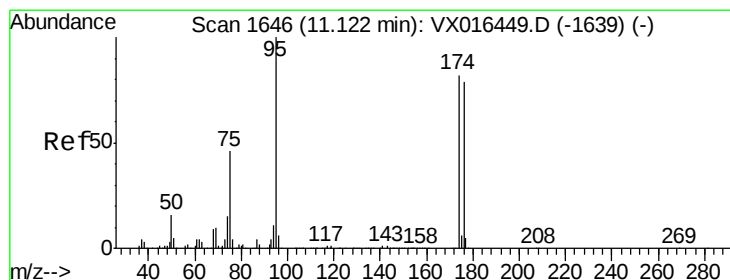
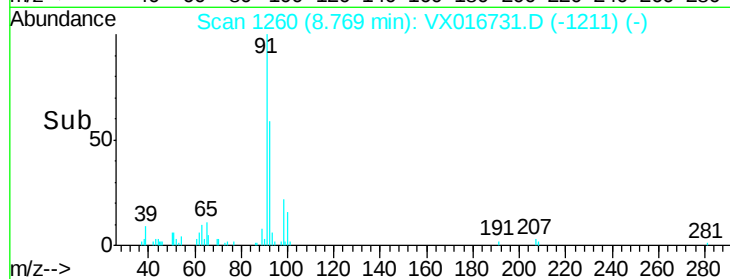
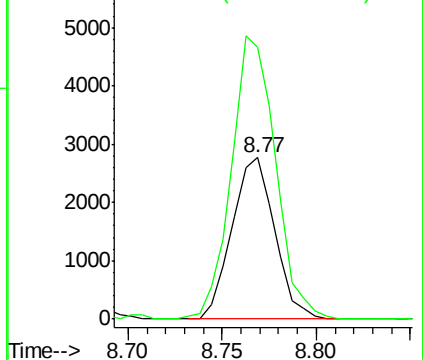
92 100

91 181.5 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 53.416 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016731.D

Acq: 12 Jun 2020 16:18

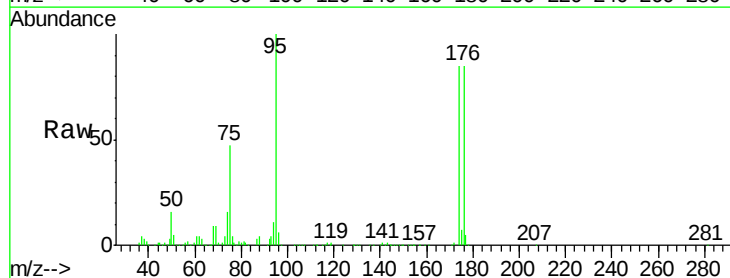
Tgt Ion: 95 Resp: 173424

Ion Ratio Lower Upper

95 100

174 85.9 0.0 163.0

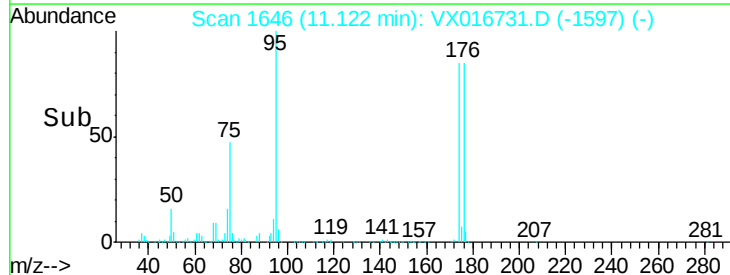
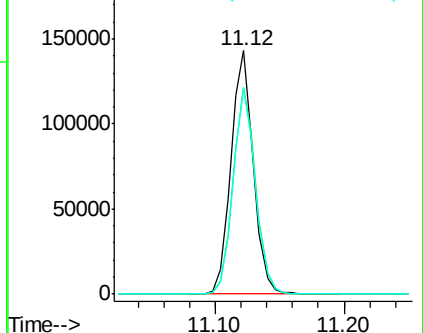
176 84.4 0.0 156.8

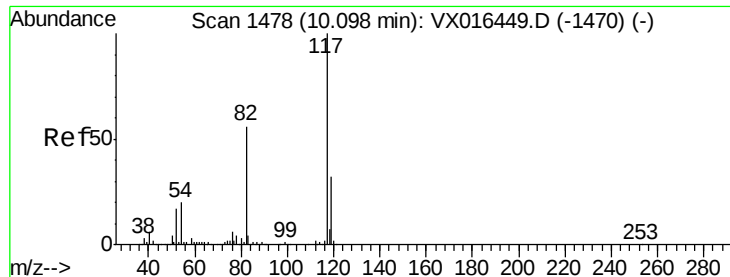


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

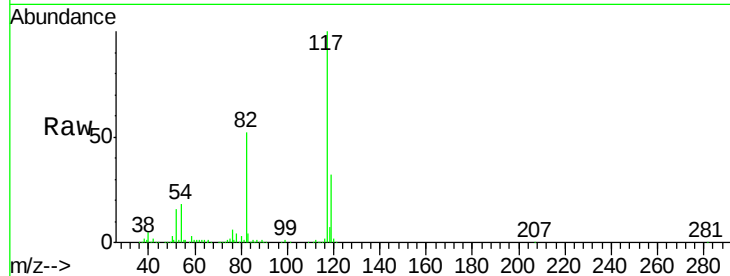




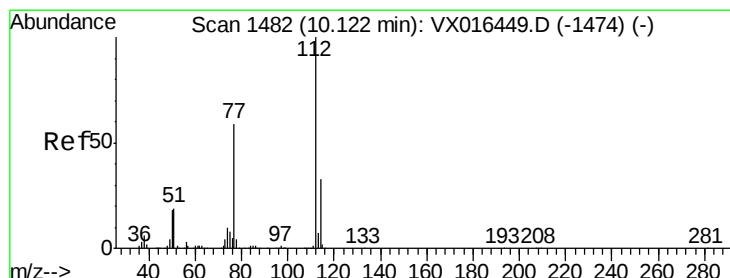
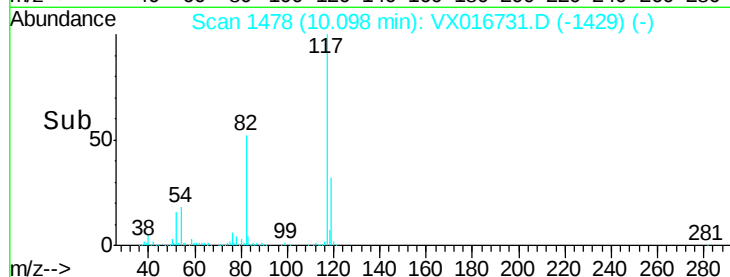
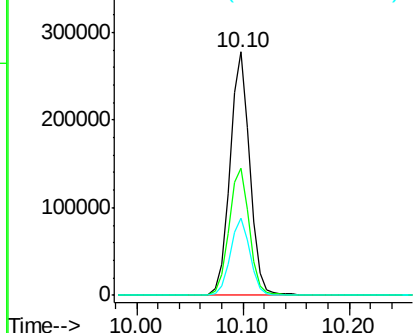
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016731.D
Acq: 12 Jun 2020 16:18

Instrument :
MSVOA_X
ClientSampleId :
LF015MW045-200611

Tgt Ion:117 Resp: 361962
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.6
119 31.8 25.8 38.8

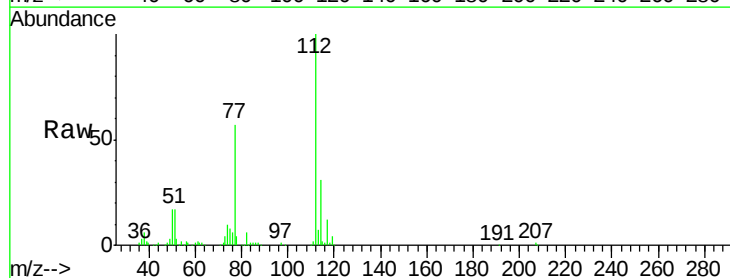


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

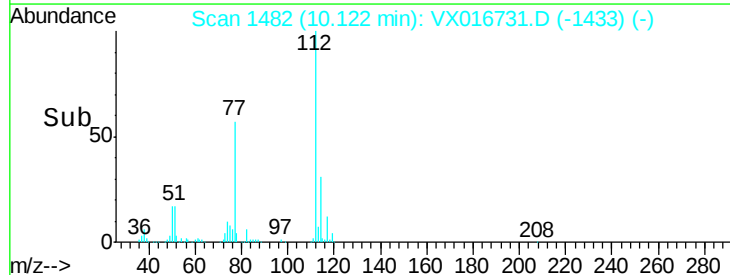
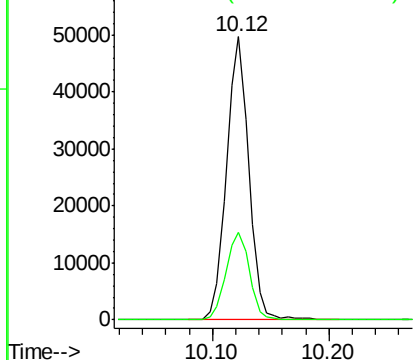


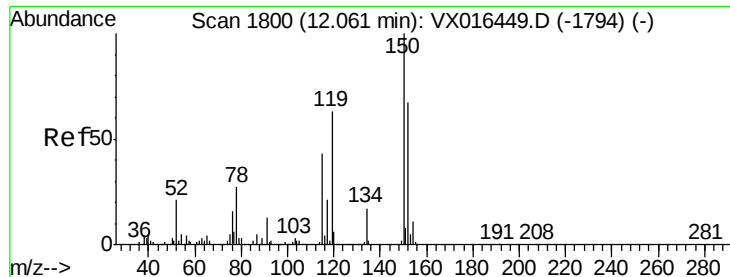
#65
Chlorobenzene
Concen: 8.937 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016731.D
Acq: 12 Jun 2020 16:18

Tgt Ion:112 Resp: 65948
Ion Ratio Lower Upper
112 100
114 30.8 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016731.D

Acq: 12 Jun 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

LF015MW045-200611

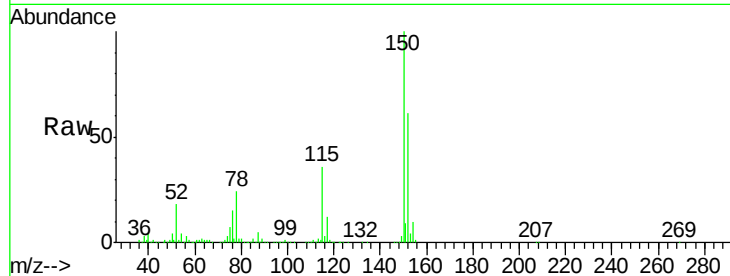
Tgt Ion:152 Resp: 185464

Ion Ratio Lower Upper

152 100

115 58.0 39.9 119.6

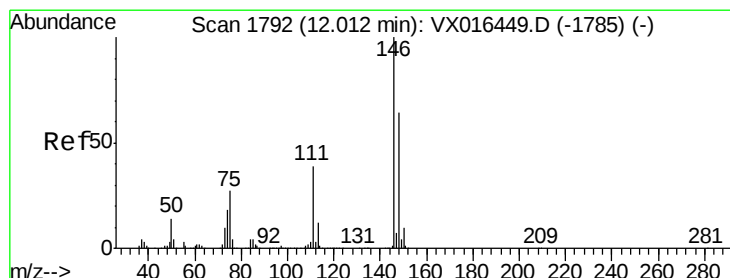
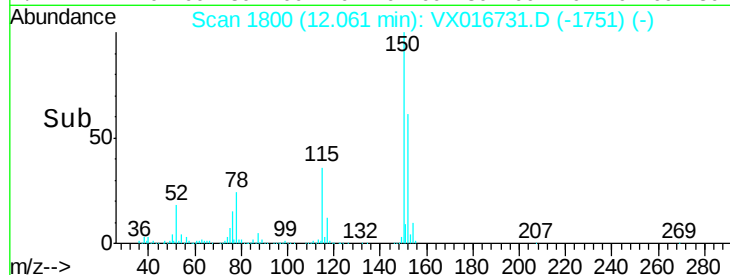
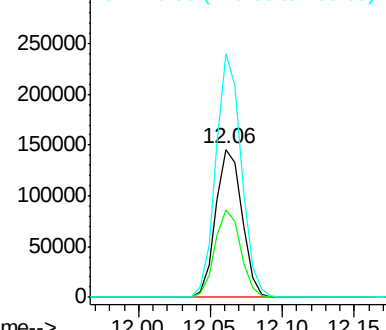
150 159.3 0.0 341.0



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



#87

1,3-Dichlorobenzene

Concen: 0.756 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX016731.D

Acq: 12 Jun 2020 16:18

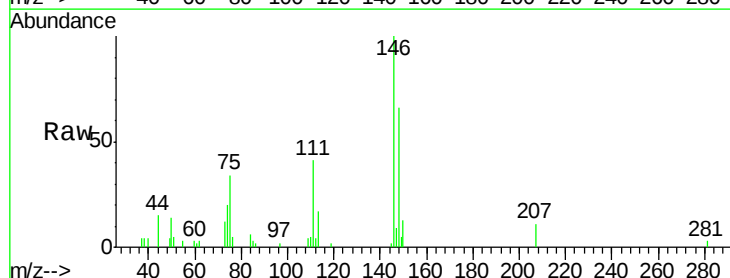
Tgt Ion:146 Resp: 4412

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

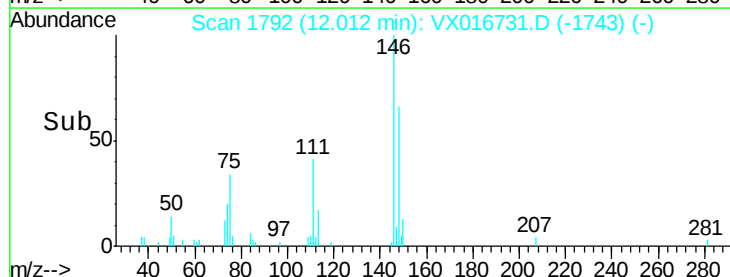
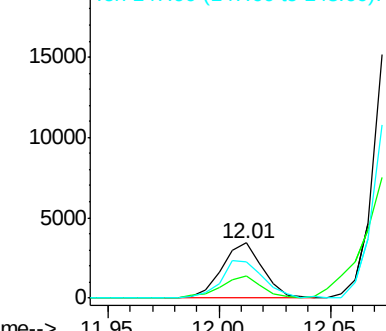
148 71.1 31.9 95.5

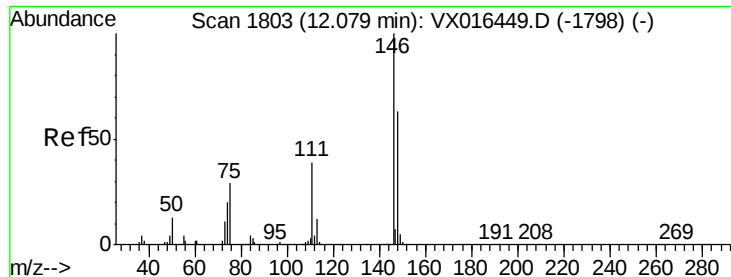


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

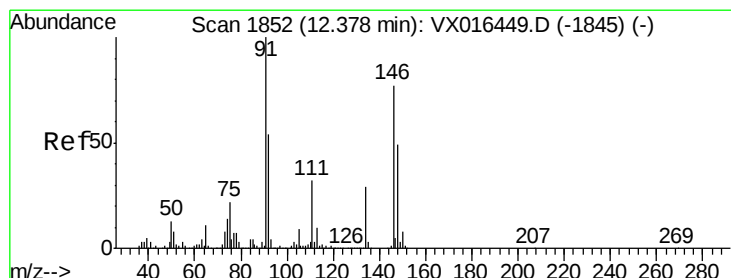
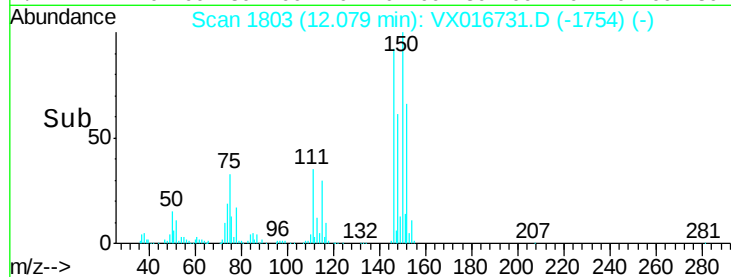
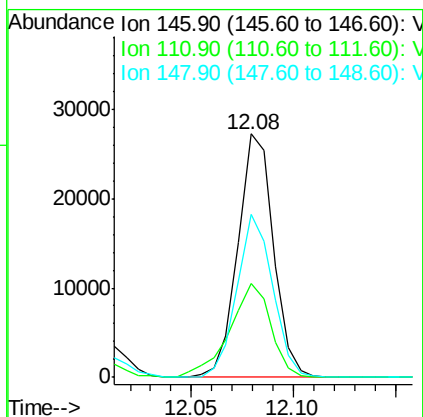
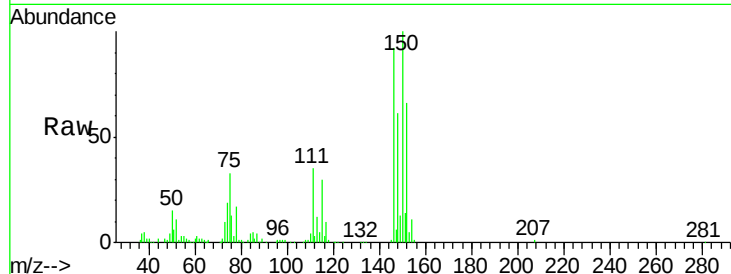




#88
 1,4-Dichlorobenzene
 Concen: 5.548 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX016731.D
 Acq: 12 Jun 2020 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW045-200611

Tgt Ion:146 Resp: 33130
 Ion Ratio Lower Upper
 146 100
 111 45.0 19.4 58.2
 148 67.0 31.4 94.3



#91
 1,2-Dichlorobenzene
 Concen: 24.528 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016731.D
 Acq: 12 Jun 2020 16:18

Tgt Ion:146 Resp: 138760
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.4 64.3
 148 65.3 31.9 95.7

