

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060520\
 Data File : VX016608.D
 Acq On : 05 Jun 2020 14:01
 Operator : JC/SP
 Sample : L2894-11DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW033-200601DL

Quant Time: Jun 06 06:00:26 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	231392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	370041	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	372042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	188455	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	139170	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	5.46	113	112982	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	8.70	98	456229	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.12	95	183023	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	

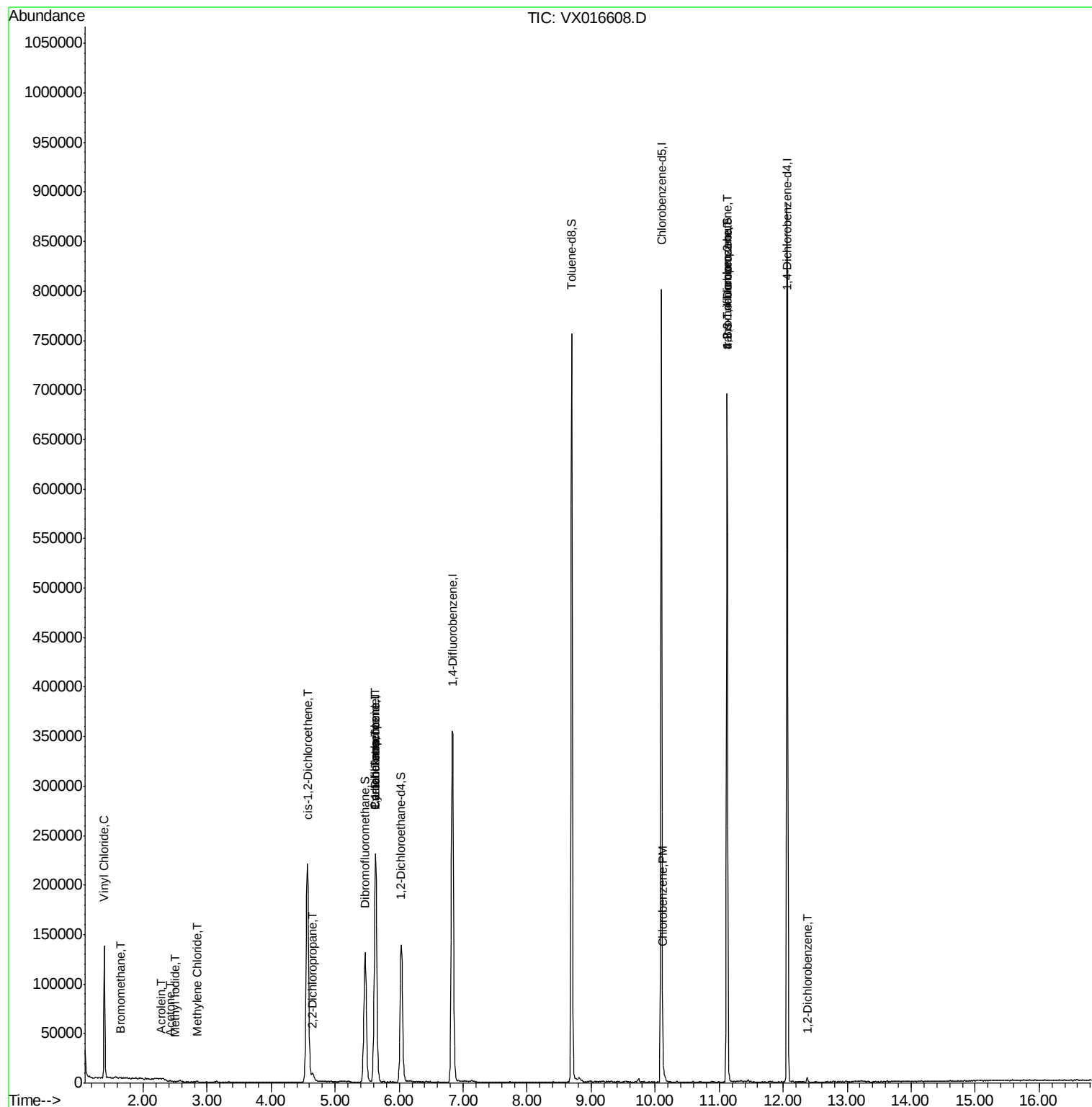
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	79014	27.15	ug/l	98
5) Bromomethane	1.64	94	353	0.25	ug/l #	5
10) Methyl Iodide	2.50	142	39	3.07	ug/l #	40
13) Acrolein	2.28	56	435	1.39	ug/l #	79
16) Acetone	2.42	43	940	0.75	ug/l	98
20) Methylene Chloride	2.84	84	588	0.23	ug/l	90
26) 2,2-Dichloropropane	4.65	77	847	0.23	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	145814	51.18	ug/l	89
31) Cyclohexane	5.63	56	4220	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16167	4.61	ug/l #	51
38) Carbon Tetrachloride	5.63	117	21765	5.91	ug/l #	17
65) Chlorobenzene	10.12	112	4402	0.58	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	89282	21.55	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	89282	53.02	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	1231	0.21	ug/l	87

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

Instrument :

MSVOA_X

ClientSampleId :

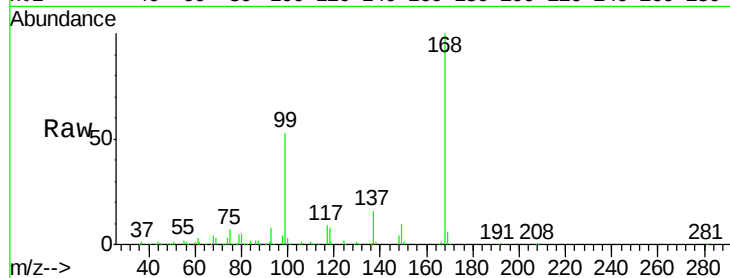
LF012MW033-200601DL

Tgt Ion:168 Resp: 231392

Ion Ratio Lower Upper

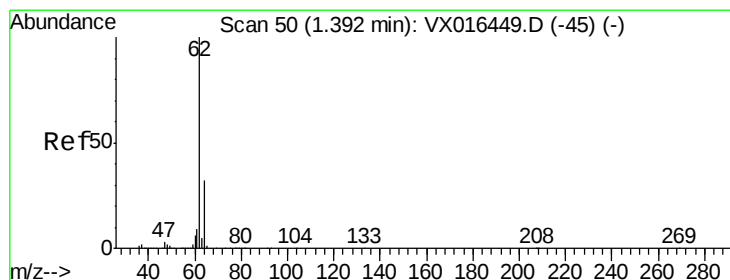
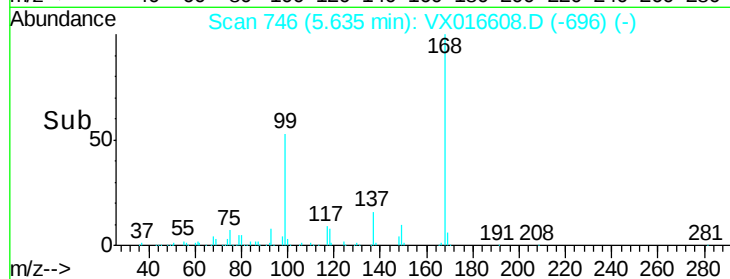
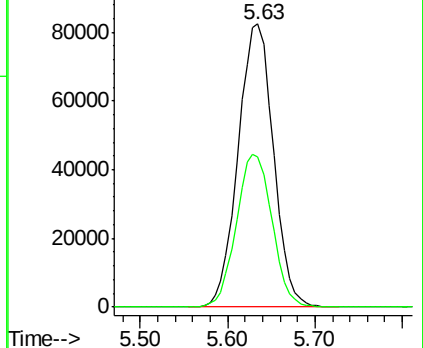
168 100

99 53.3 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: 27.15 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016608.D

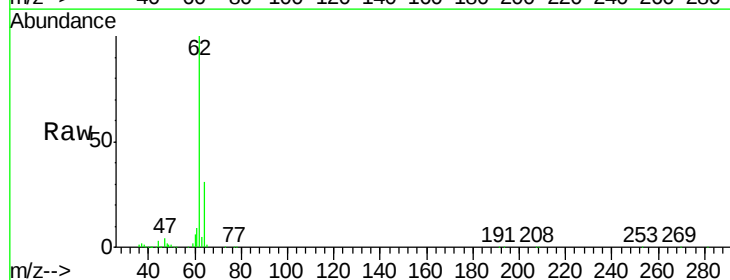
Acq: 05 Jun 2020 14:01

Tgt Ion: 62 Resp: 79014

Ion Ratio Lower Upper

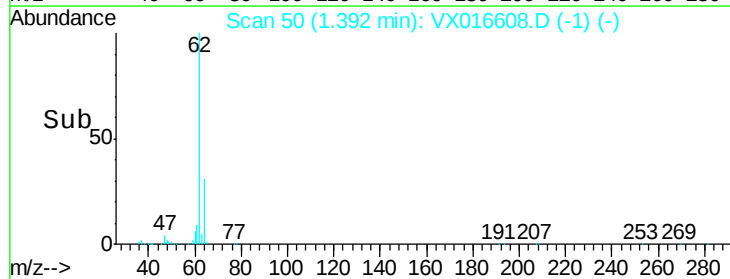
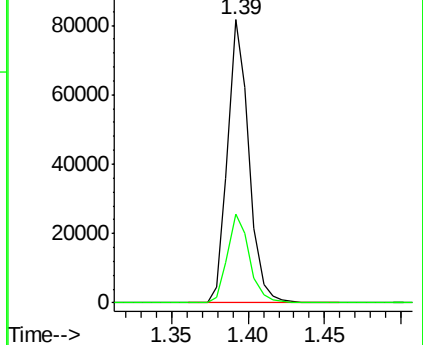
62 100

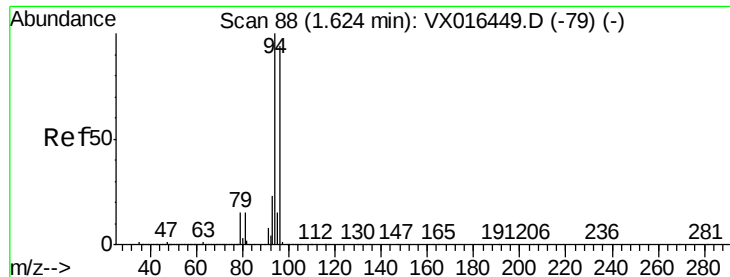
64 31.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.25 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

Instrument :

MSVOA_X

ClientSampleId :

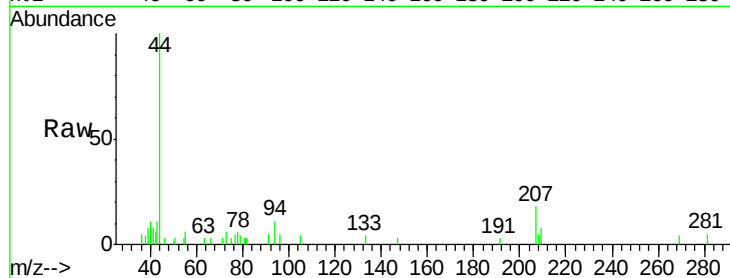
LF012MW033-200601DL

Tgt Ion: 94 Resp: 353

Ion Ratio Lower Upper

94 100

96 1.9 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1.65

1.66

1.67

1.68

1.69

1.70

1.71

1.72

1.73

1.74

1.75

1.76

1.77

1.78

1.79

1.80

1.81

1.82

1.83

1.84

1.85

1.86

1.87

1.88

1.89

1.90

1.91

1.92

1.93

1.94

1.95

1.96

1.97

1.98

1.99

2.00

2.01

2.02

2.03

2.04

2.05

2.06

2.07

2.08

2.09

2.10

2.11

2.12

2.13

2.14

2.15

2.16

2.17

2.18

2.19

2.20

2.21

2.22

2.23

2.24

2.25

2.26

2.27

2.28

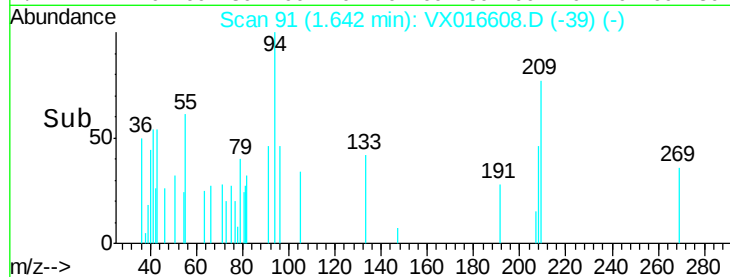
2.29

2.30

2.31

2.32

2.33



#10

Methyl Iodide

Concen: 3.07 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

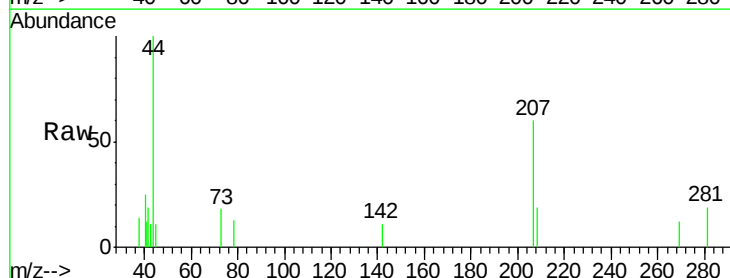
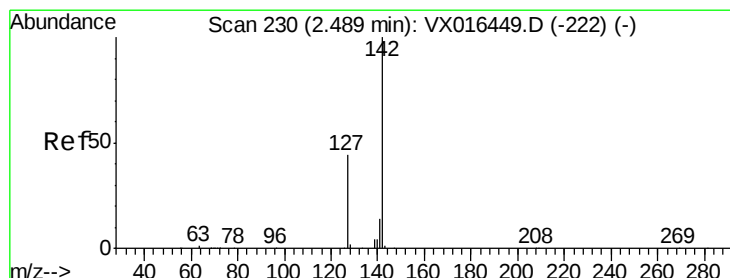
Tgt Ion: 142 Resp: 39

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

2.51

2.52

2.53

2.54

2.55

2.56

2.57

2.58

2.59

2.60

2.61

2.62

2.63

2.64

2.65

2.66

2.67

2.68

2.69

2.70

2.71

2.72

2.73

2.74

2.75

2.76

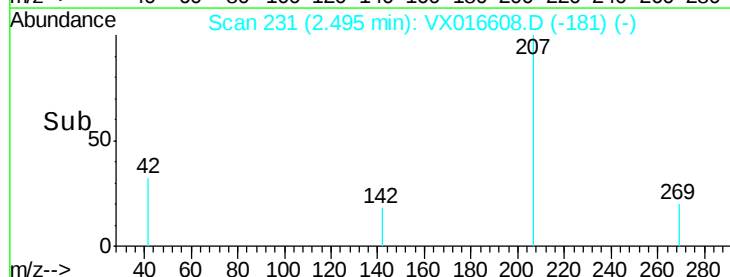
2.77

2.78

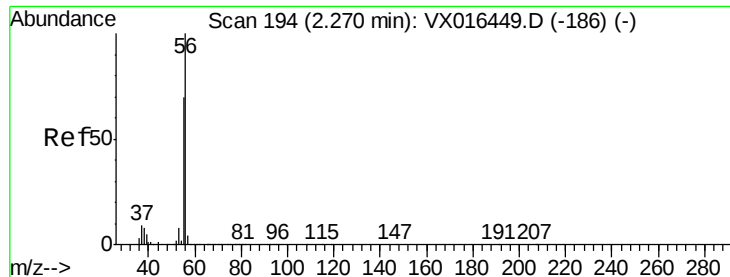
2.79

2.80

2.81



Time-->



#13

Acrolein

Concen: 1.39 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

Instrument :

MSVOA_X

ClientSampleId :

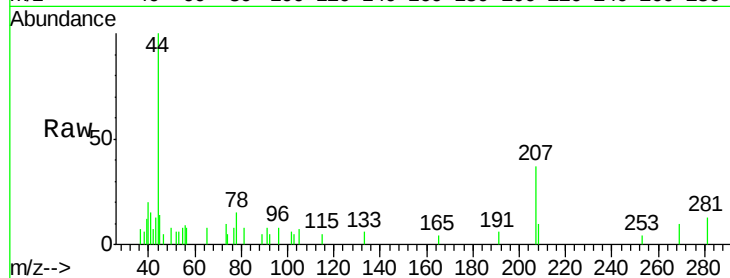
LF012MW033-200601DL

Tgt Ion: 56 Resp: 435

Ion Ratio Lower Upper

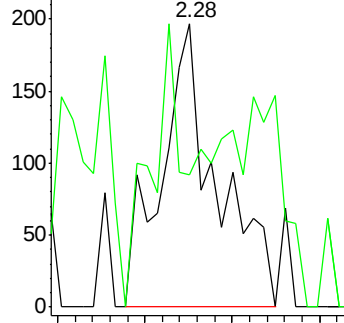
56 100

55 55.4 58.3 87.5#

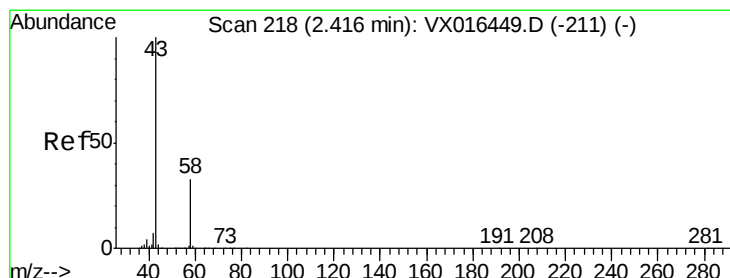
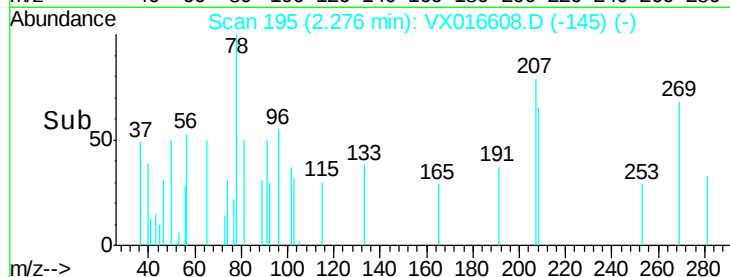


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.75 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016608.D

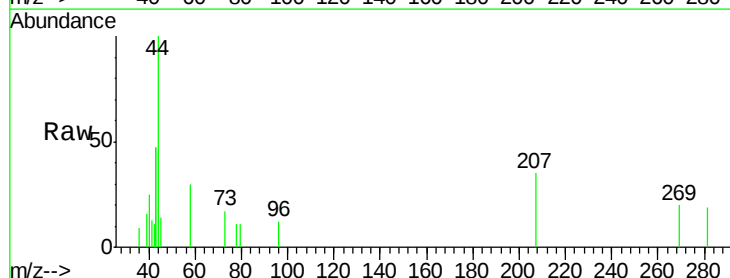
Acq: 05 Jun 2020 14:01

Tgt Ion: 43 Resp: 940

Ion Ratio Lower Upper

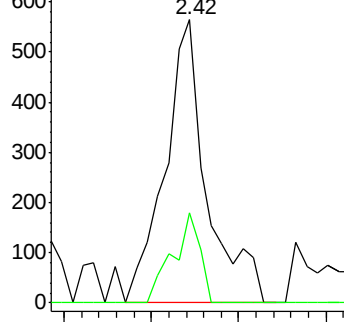
43 100

58 31.7 26.1 39.1

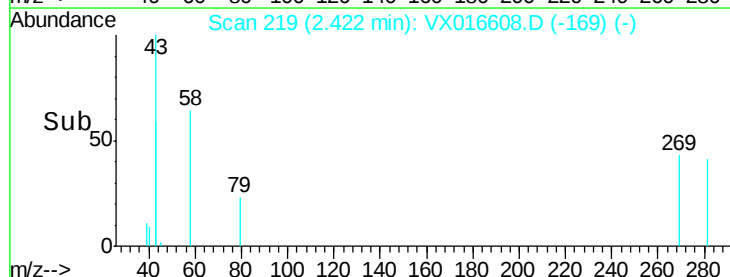


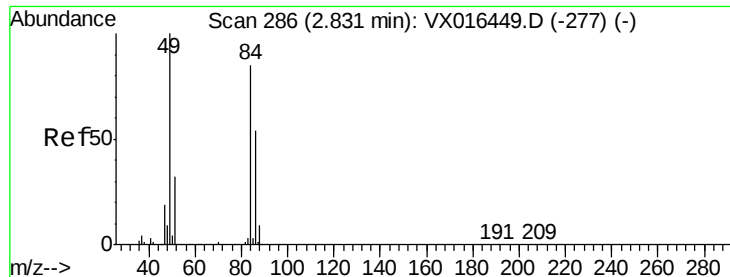
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

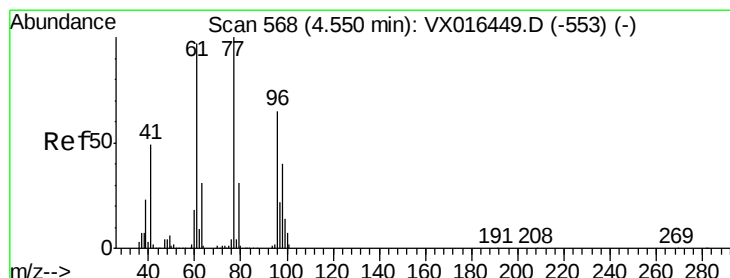
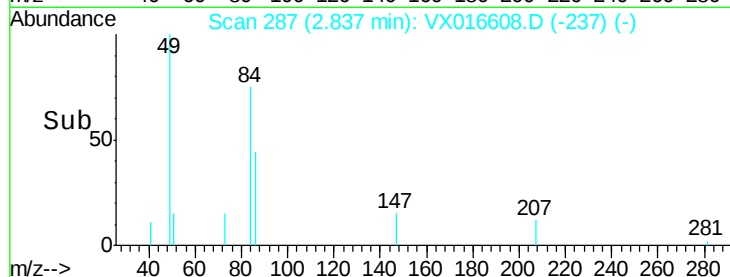
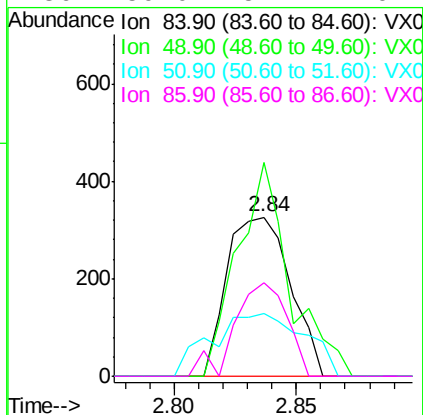
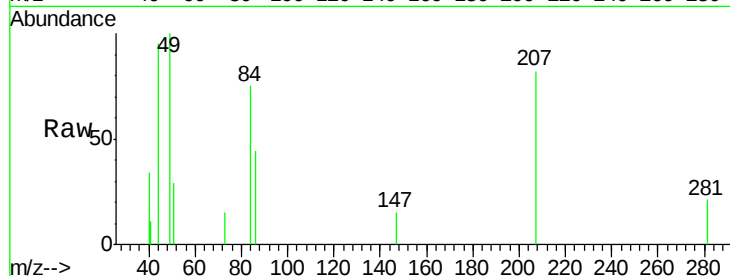




#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016608.D
Acq: 05 Jun 2020 14:01

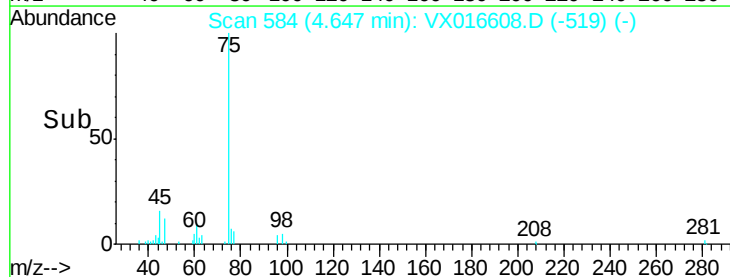
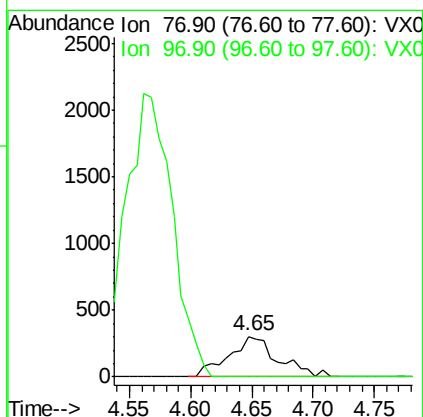
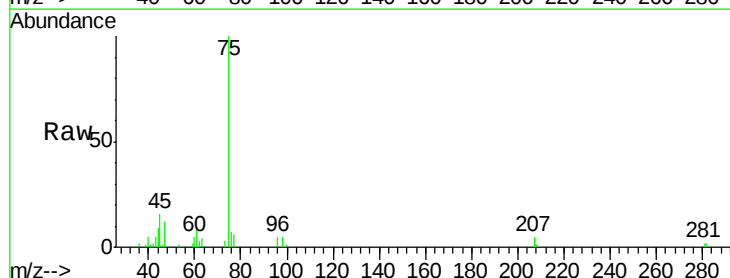
Instrument :
MSVOA_X
ClientSampleId :
LF012MW033-200601DL

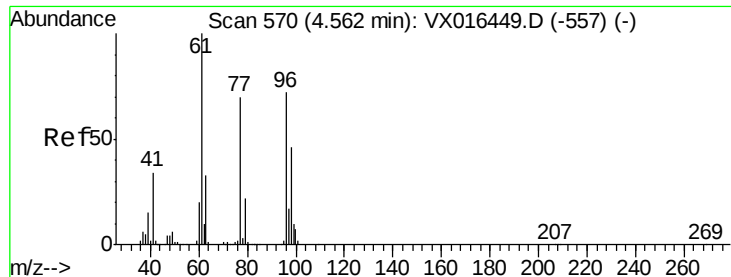
Tgt Ion:	84	Resp:	588
Ion	Ratio	Lower	Upper
84	100		
49	133.9	94.5	141.7
51	39.1	30.2	45.4
86	59.0	51.1	76.7



#26
2,2-Dichloropropane
Concen: 0.23 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.10 min
Lab File: VX016608.D
Acq: 05 Jun 2020 14:01

Tgt Ion:	77	Resp:	847
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.5	34.4#





#27

cis-1,2-Dichloroethene

Concen: 51.18 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

Instrument :

MSVOA_X

ClientSampleId :

LF012MW033-200601DL

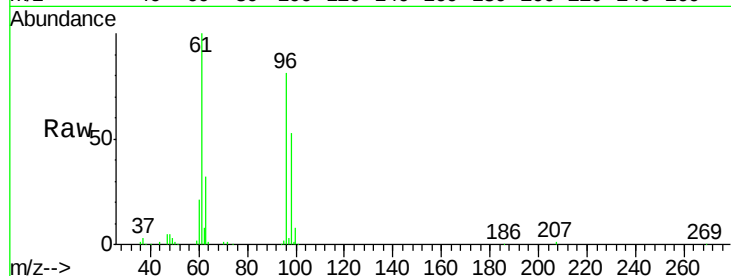
Tgt Ion: 96 Resp: 145814

Ion Ratio Lower Upper

96 100

61 123.6 0.0 284.6

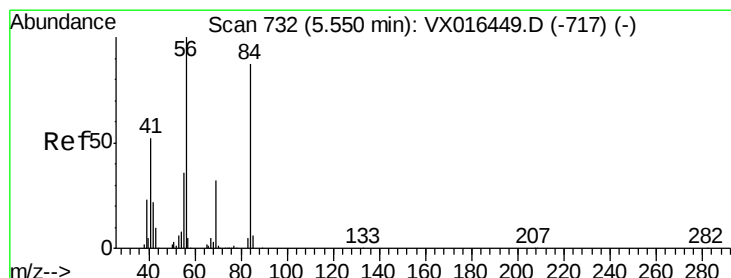
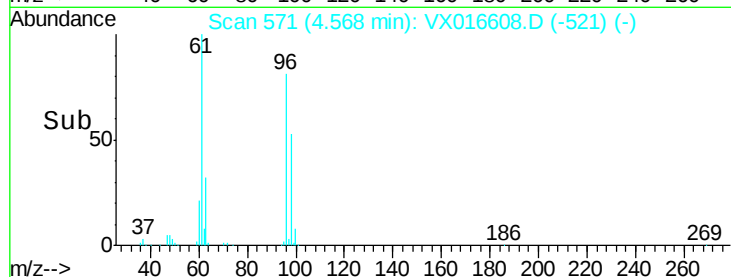
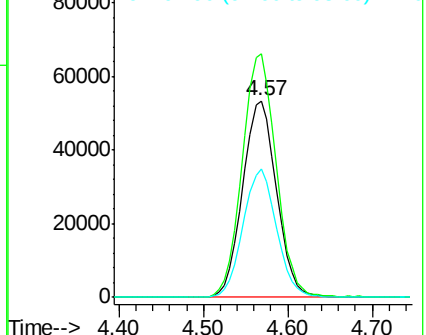
98 64.5 0.0 127.2



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



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

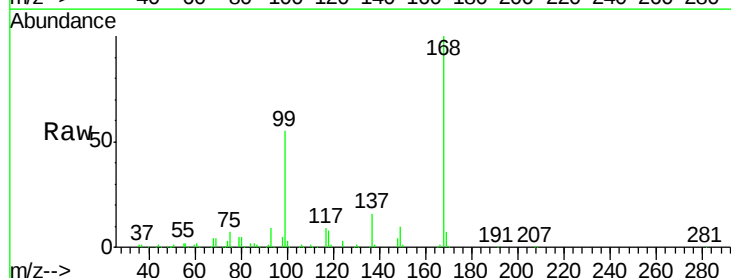
Tgt Ion: 56 Resp: 4220

Ion Ratio Lower Upper

56 100

69 191.5 25.7 38.5#

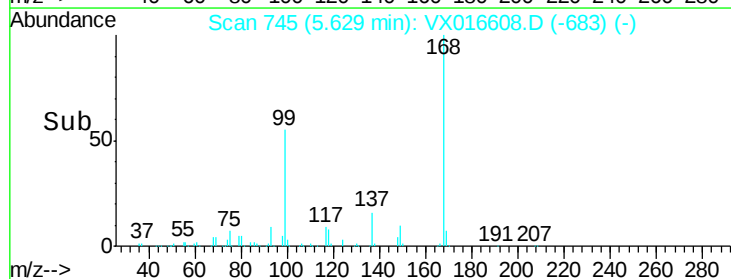
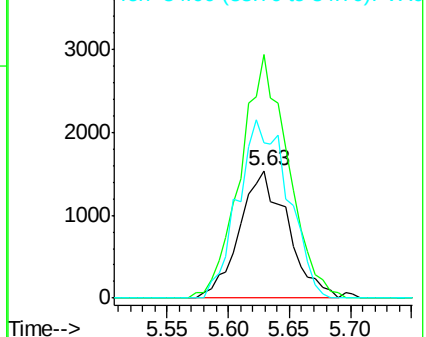
84 122.5 70.0 105.0#

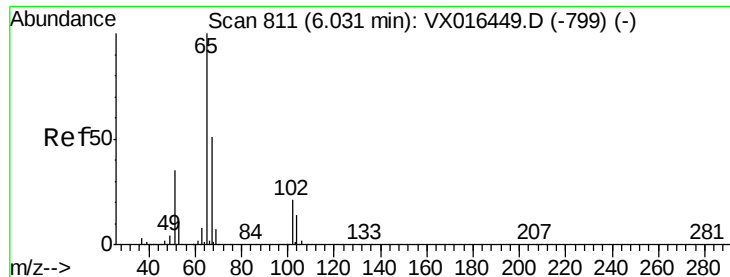


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.43 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

Instrument :

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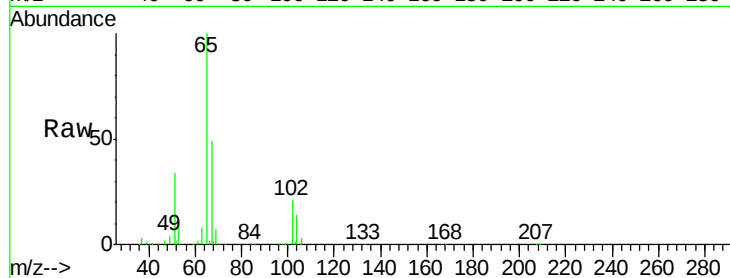
LF012MW033-200601DL

Tgt Ion: 65 Resp: 139170

Ion Ratio Lower Upper

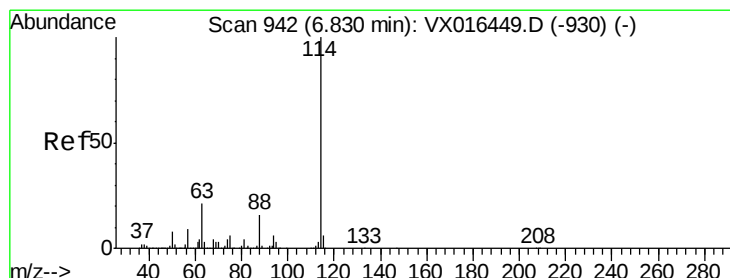
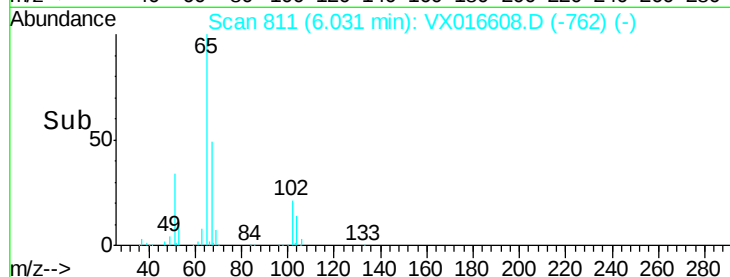
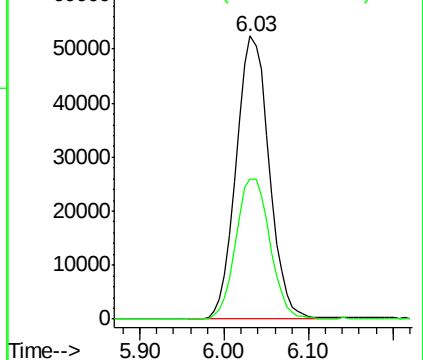
65 100

67 51.2 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

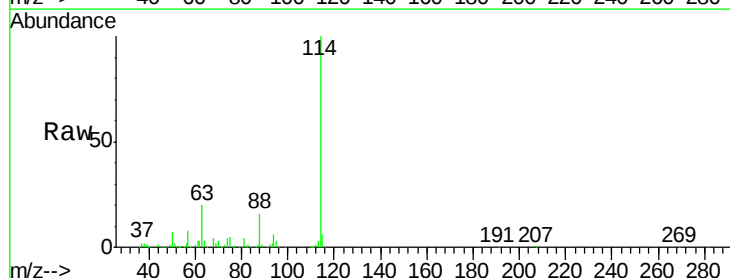
Tgt Ion: 114 Resp: 370041

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

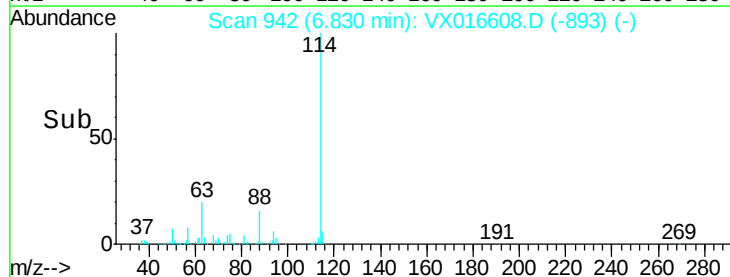
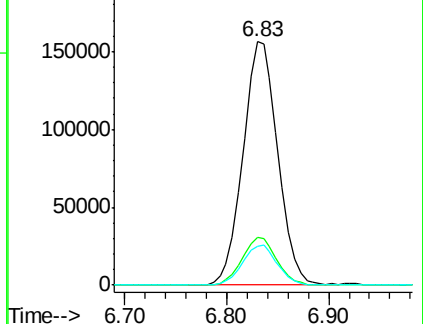
88 16.1 0.0 32.8

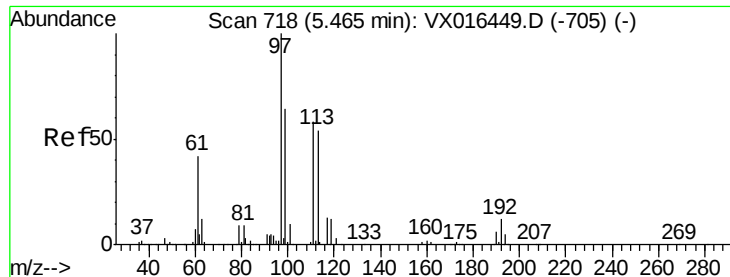


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.59 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

Instrument :

MSVOA_X

ClientSampleId :

LF012MW033-200601DL

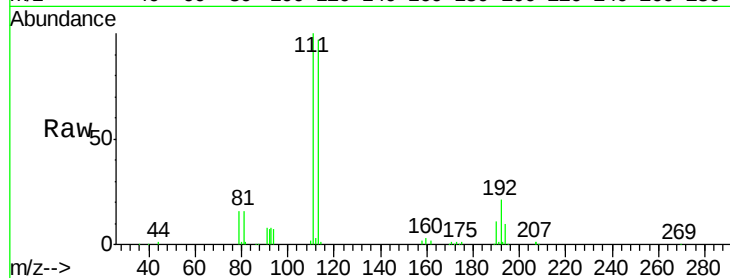
Tgt Ion:113 Resp: 112982

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.6

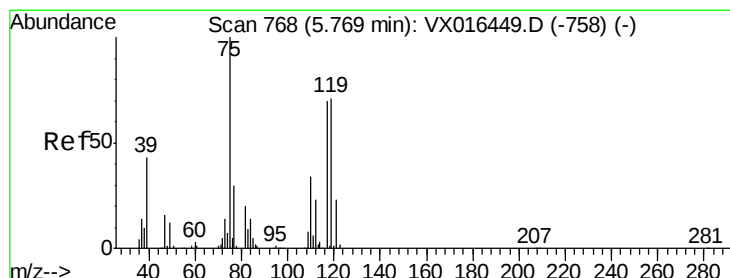
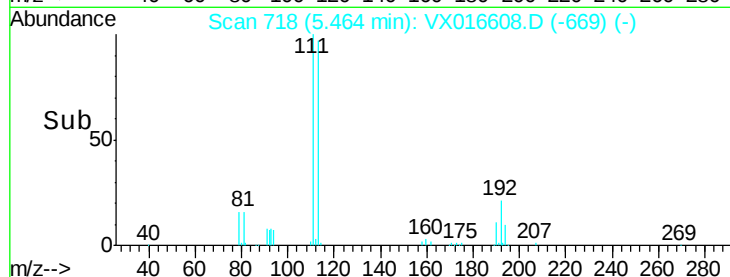
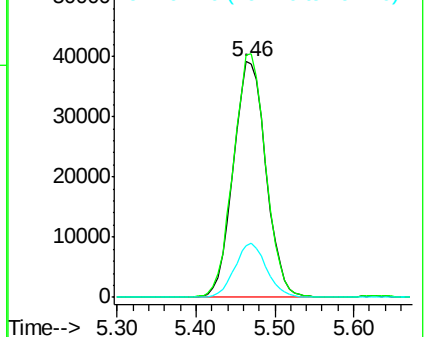
192 22.3 17.7 26.5



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



#36

1,1-Dichloropropene

Concen: 4.61 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

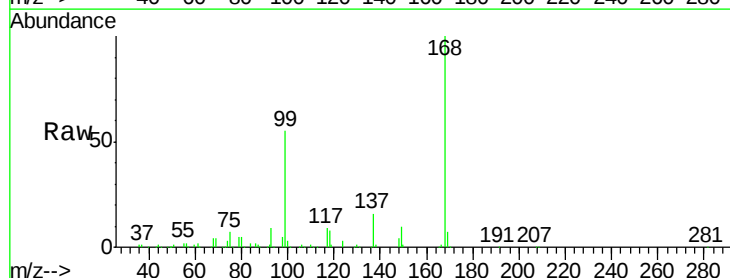
Tgt Ion: 75 Resp: 16167

Ion Ratio Lower Upper

75 100

110 9.6 17.4 52.3#

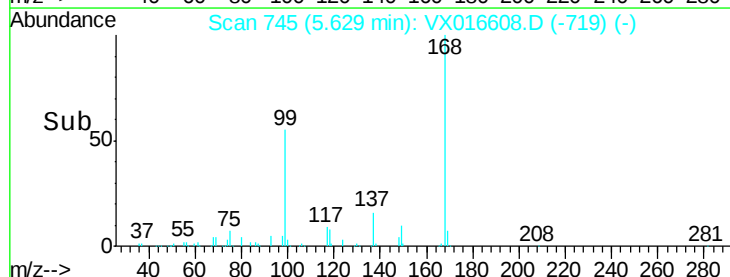
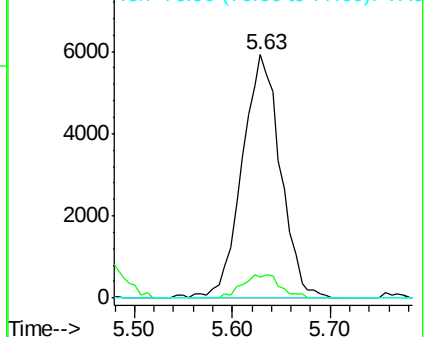
77 0.0 24.2 36.4#

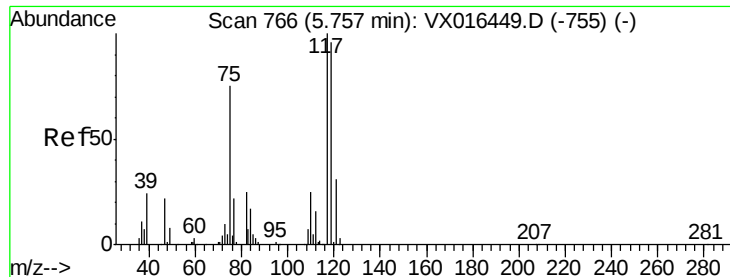


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

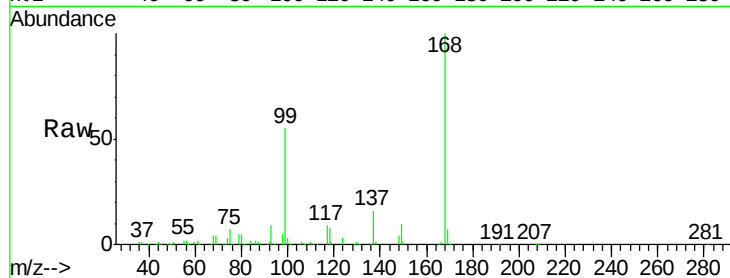




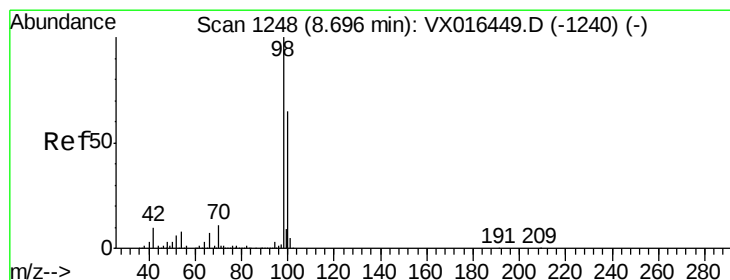
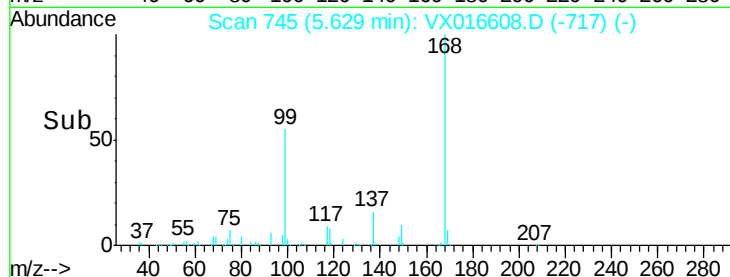
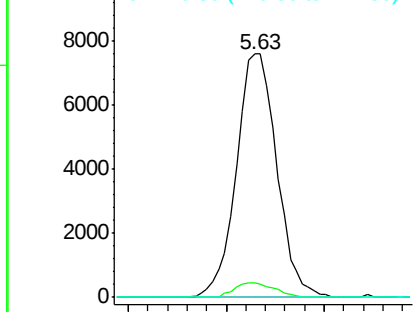
#38
Carbon Tetrachloride
Concen: 5.91 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016608.D
Acq: 05 Jun 2020 14:01

Instrument :
MSVOA_X
ClientSampleId :
LF012MW033-200601DL

Tgt Ion: 117 Resp: 21765
Ion Ratio Lower Upper
117 100
119 6.1 76.3 114.5#
121 0.0 24.6 37.0#

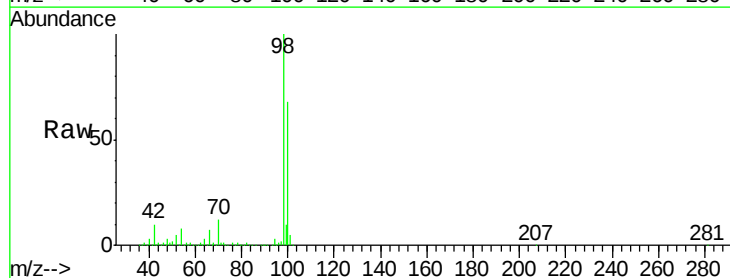


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

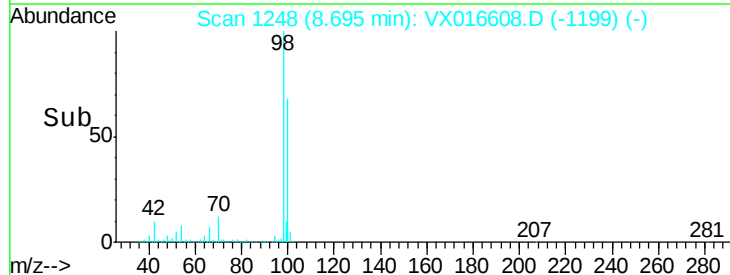
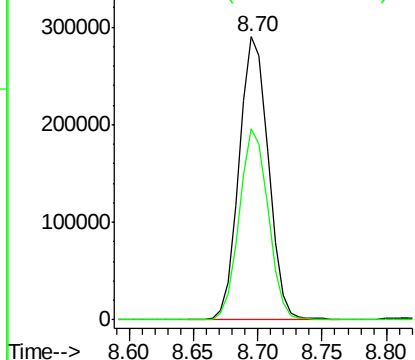


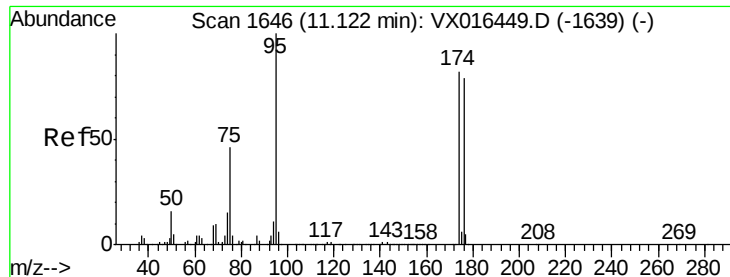
#50
Toluene-d8
Concen: 51.44 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016608.D
Acq: 05 Jun 2020 14:01

Tgt Ion: 98 Resp: 456229
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.41 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

Instrument :

MSVOA_X

ClientSampleId :

LF012MW033-200601DL

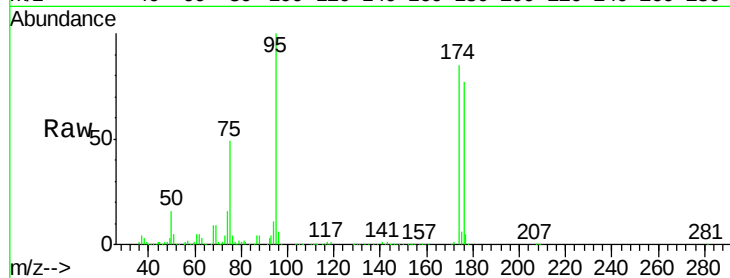
Tgt Ion: 95 Resp: 183023

Ion Ratio Lower Upper

95 100

174 85.9 0.0 163.0

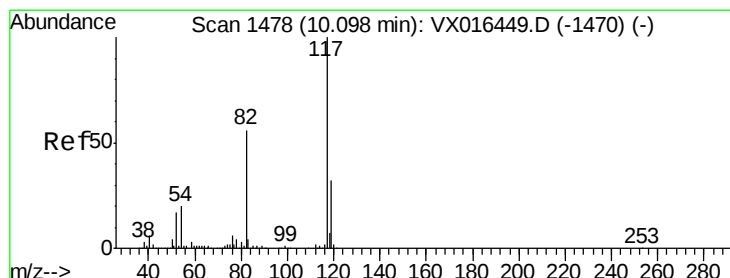
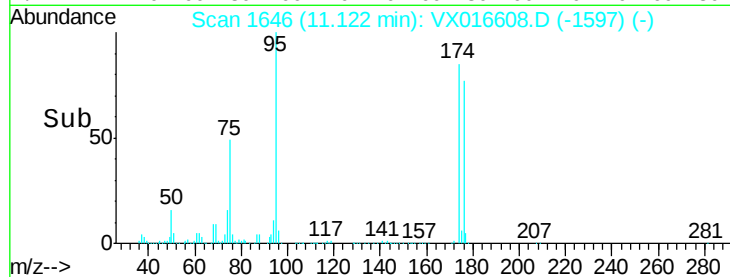
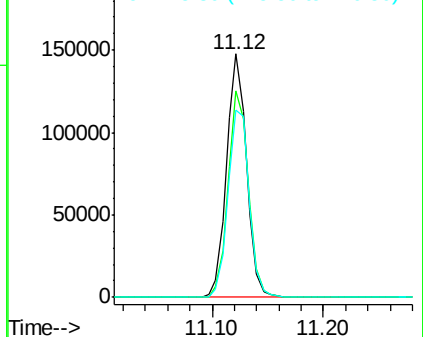
176 81.4 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016608.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016608.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016608.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

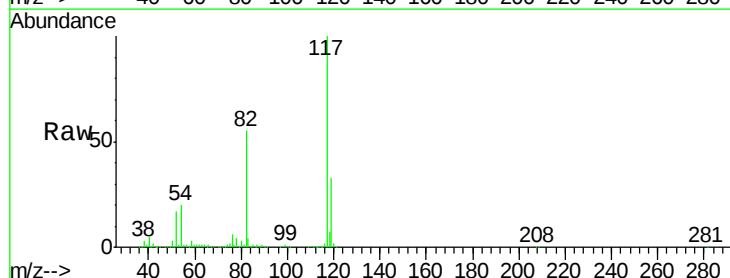
Tgt Ion: 117 Resp: 372042

Ion Ratio Lower Upper

117 100

82 55.4 45.0 67.6

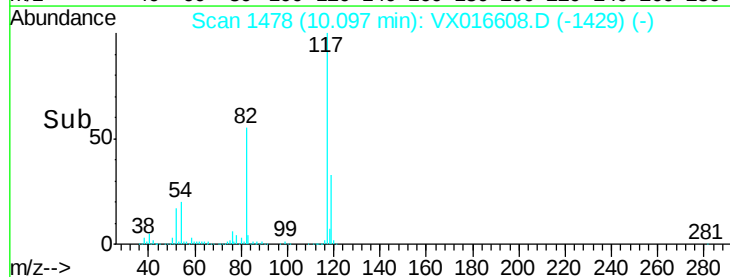
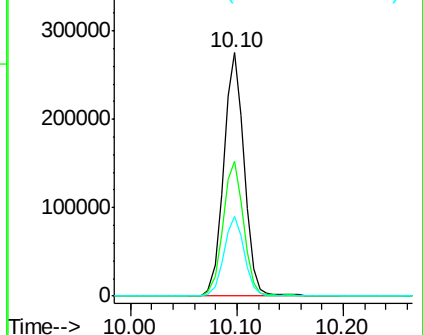
119 32.5 25.8 38.8

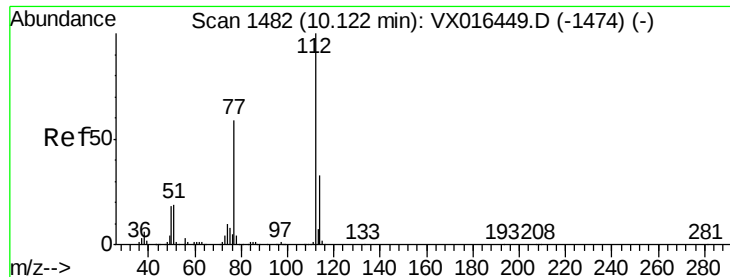


Abundance Ion 116.90 (116.60 to 117.60): VX016608.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016608.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016608.D (-1429) (-)

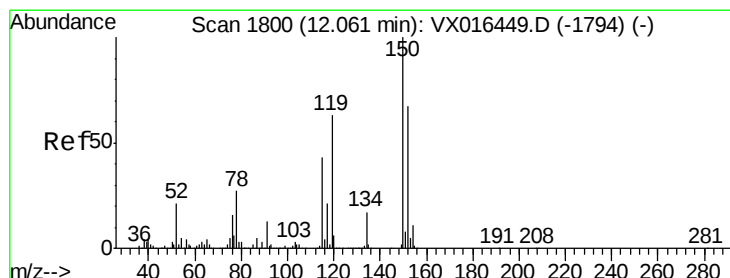
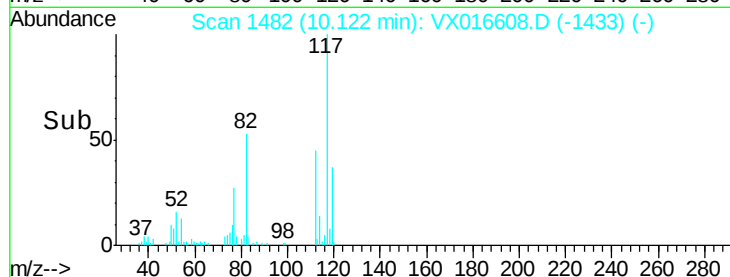
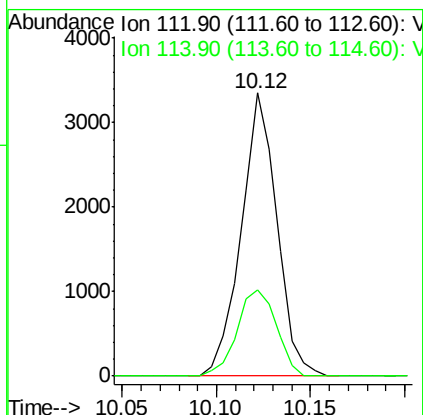
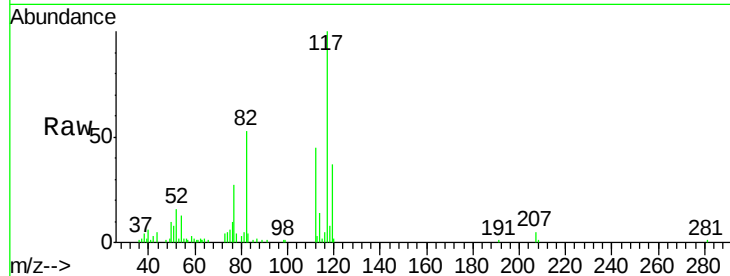




#65
Chlorobenzene
Concen: 0.58 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016608.D
Acq: 05 Jun 2020 14:01

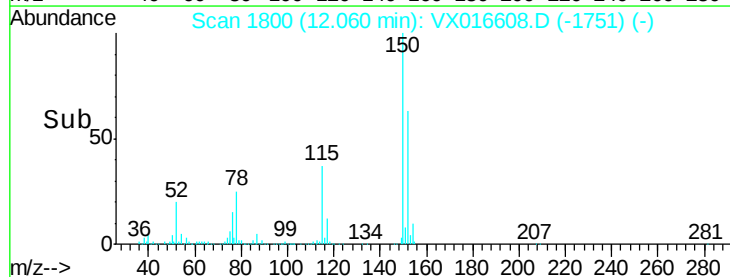
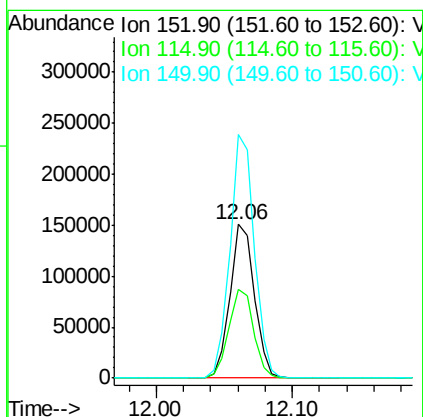
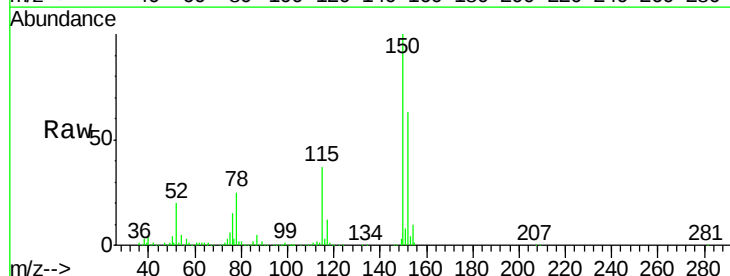
Instrument :
MSVOA_X
ClientSampleId :
LF012MW033-200601DL

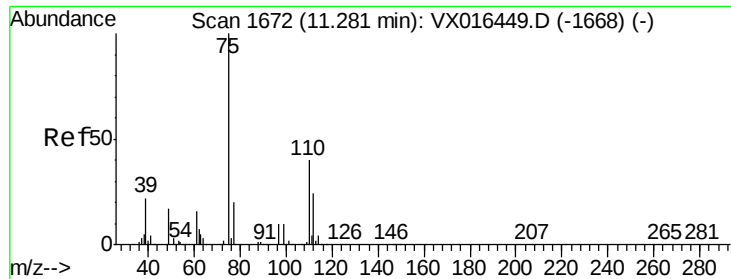
Tgt Ion:112 Resp: 4402
Ion Ratio Lower Upper
112 100
114 30.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016608.D
Acq: 05 Jun 2020 14:01

Tgt Ion:152 Resp: 188455
Ion Ratio Lower Upper
152 100
115 58.7 39.9 119.6
150 157.3 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 21.55 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

Instrument :

MSVOA_X

ClientSampleId :

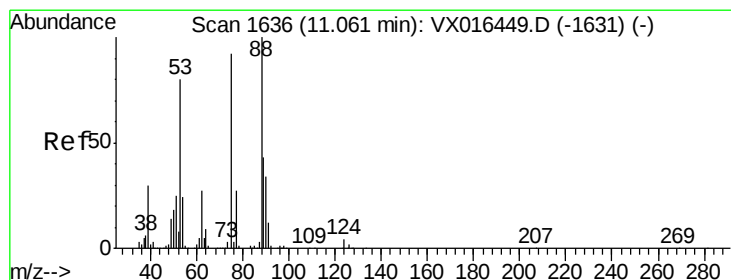
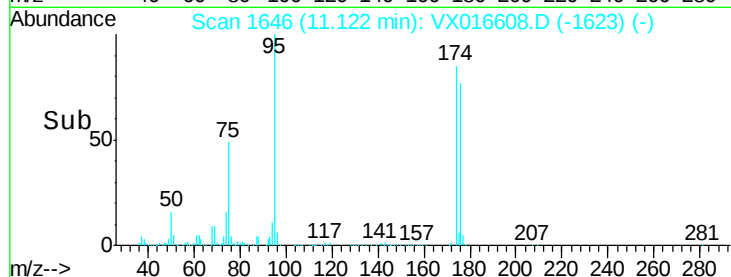
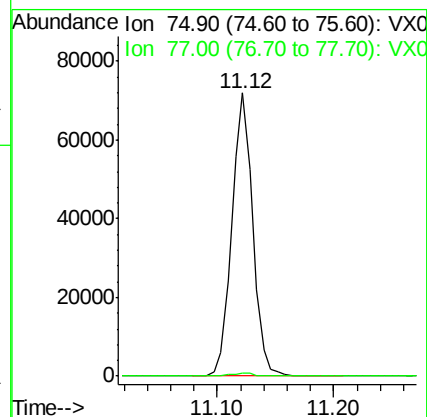
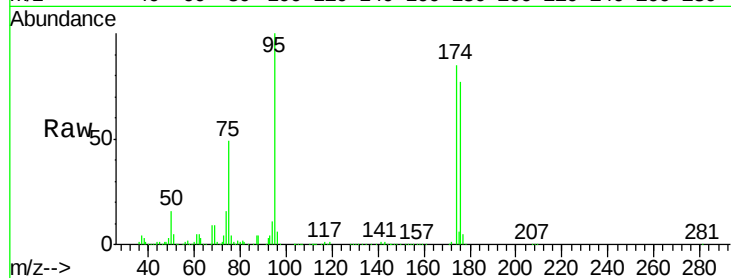
LF012MW033-200601DL

Tgt Ion: 75 Resp: 89282

Ion Ratio Lower Upper

75 100

77 1.1 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.02 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016608.D

Acq: 05 Jun 2020 14:01

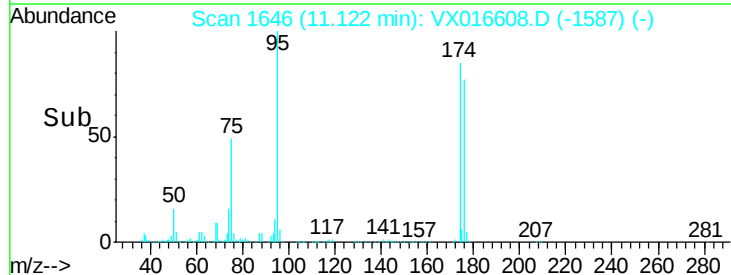
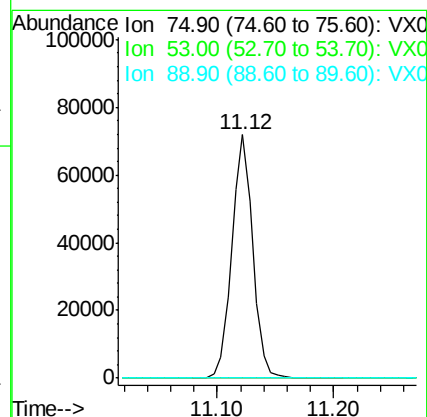
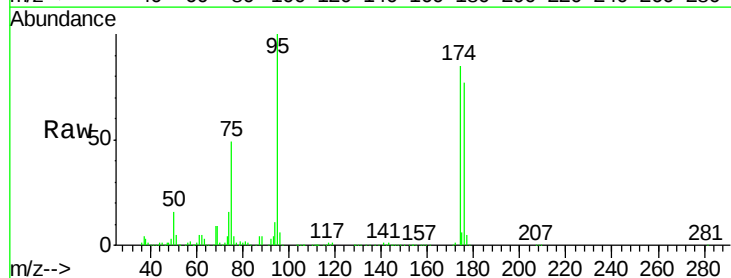
Tgt Ion: 75 Resp: 89282

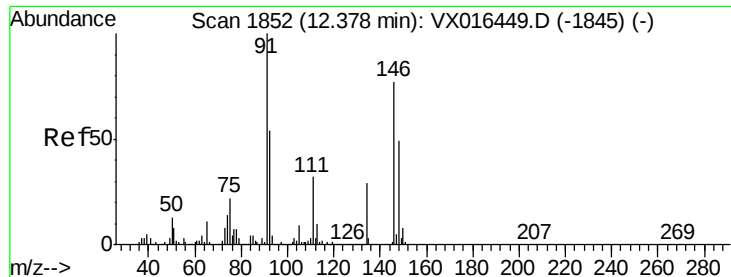
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

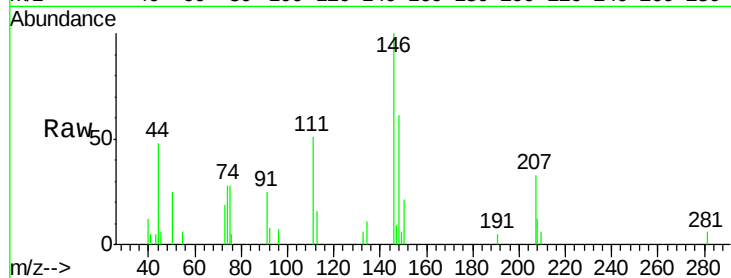




#91
 1,2-Dichlorobenzene
 Concen: 0.21 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016608.D
 Acq: 05 Jun 2020 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW033-200601DL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.2	21.4	64.3
148	73.2	31.9	95.7



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

