

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061020\
 Data File : VX016687.D
 Acq On : 10 Jun 2020 19:56
 Operator : JC/SP
 Sample : L2963-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW132-200608

Quant Time: Jun 11 03:04:28 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	218285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	339106	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	354471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	184988	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	127693	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
35) Dibromofluoromethane	5.47	113	106376	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	8.70	98	423566	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.12	95	172777	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	

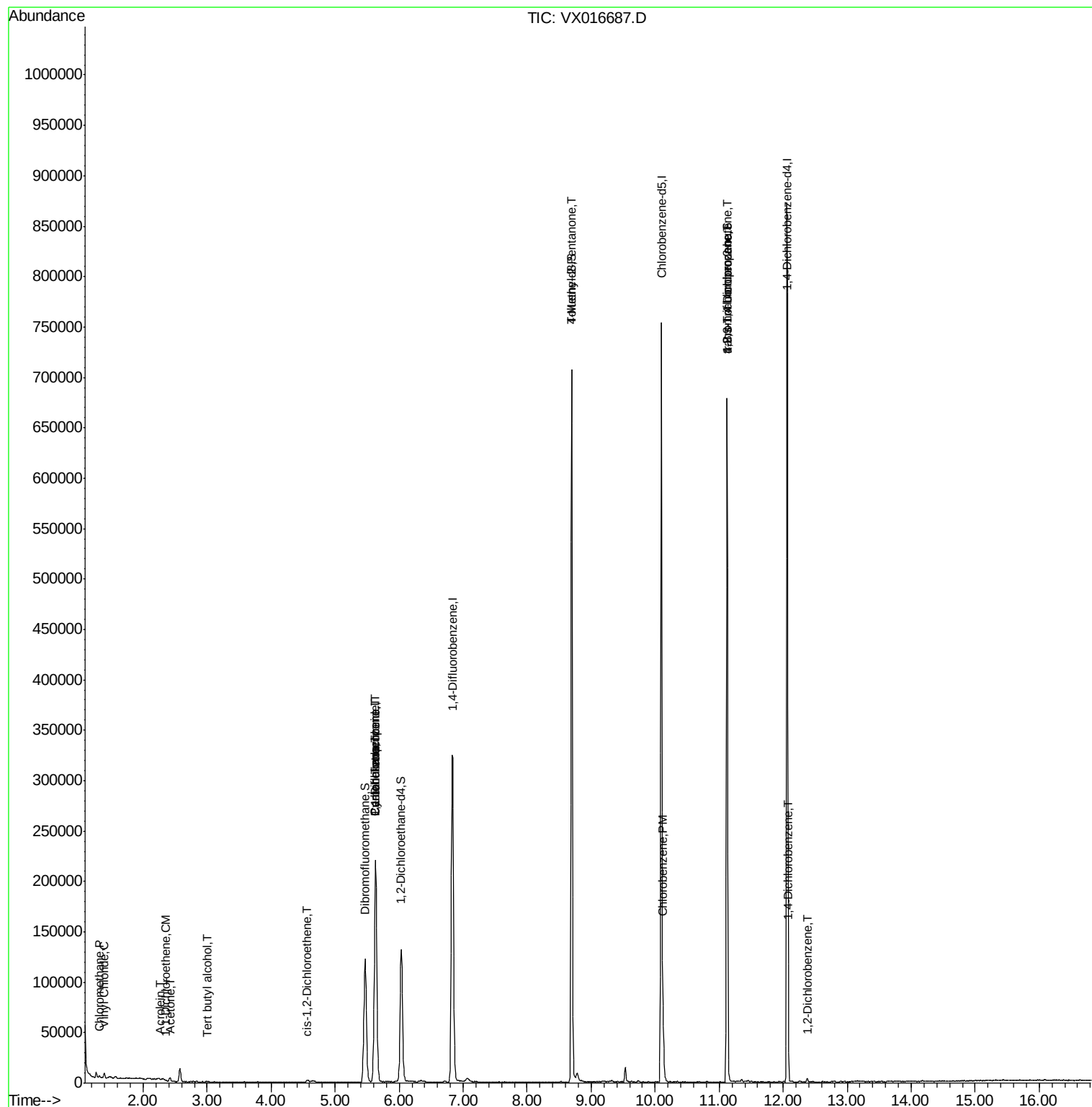
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	988	0.38	ug/l #	83
4) Vinyl Chloride	1.39	62	2332	0.85	ug/l	91
11) Tert butyl alcohol	3.01	59	379	0.55	ug/l #	87
12) 1,1-Dichloroethene	2.35	96	482	0.23	ug/l #	64
13) Acrolein	2.27	56	258	0.87	ug/l #	76
16) Acetone	2.42	43	4220	3.55	ug/l #	85
27) cis-1,2-Dichloroethene	4.56	96	1663	0.62	ug/l	77
31) Cyclohexane	5.63	56	3695	0.98	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	14727	4.59	ug/l #	49
38) Carbon Tetrachloride	5.63	117	20343	6.03	ug/l #	18
51) 4-Methyl-2-Pentanone	8.70	43	1796	0.48	ug/l #	1
65) Chlorobenzene	10.12	112	24769	3.43	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	84506	20.78	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	84506	51.12	ug/l #	14
88) 1,4-Dichlorobenzene	12.08	146	1648	0.28	ug/l #	74
91) 1,2-Dichlorobenzene	12.38	146	1159	0.21	ug/l	92

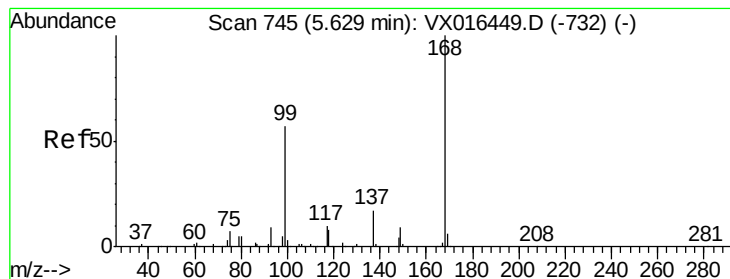
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX061020\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

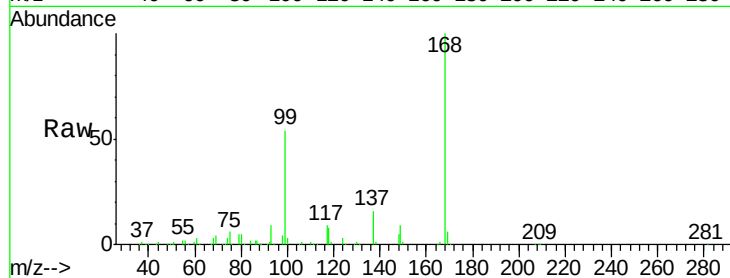
LF014RW132-200608

Tgt Ion:168 Resp: 218285

Ion Ratio Lower Upper

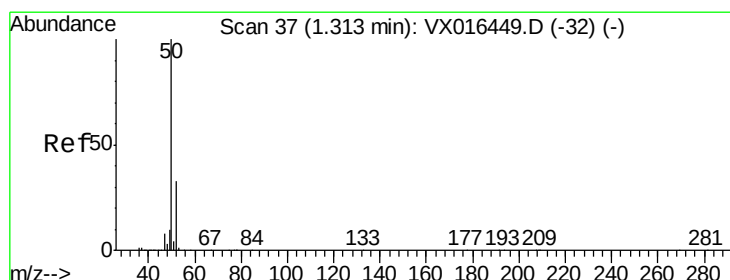
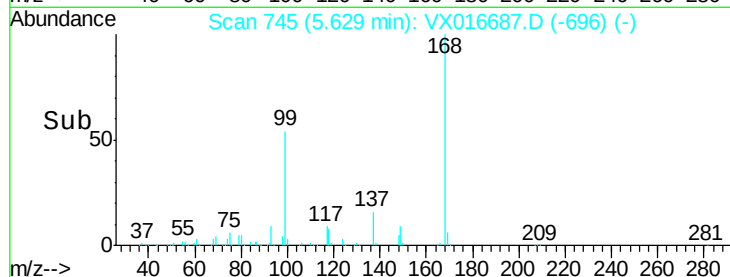
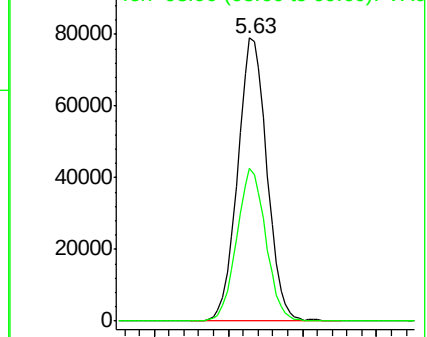
168 100

99 54.1 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.38 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016687.D

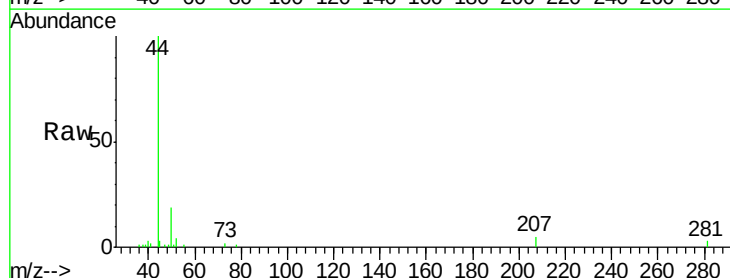
Acq: 10 Jun 2020 19:56

Tgt Ion: 50 Resp: 988

Ion Ratio Lower Upper

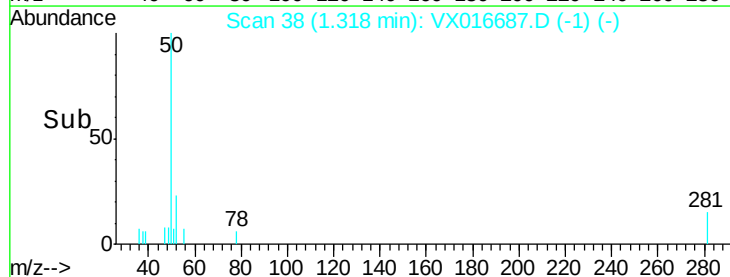
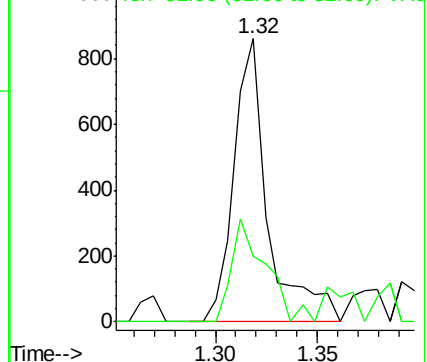
50 100

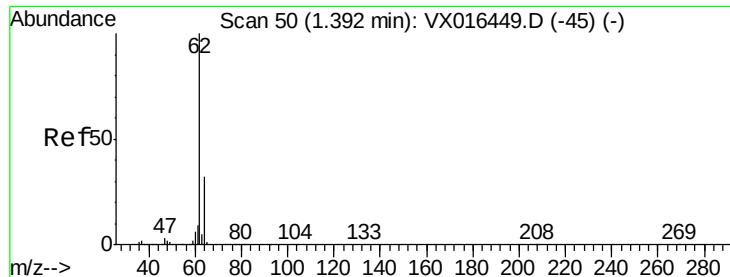
52 23.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.85 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

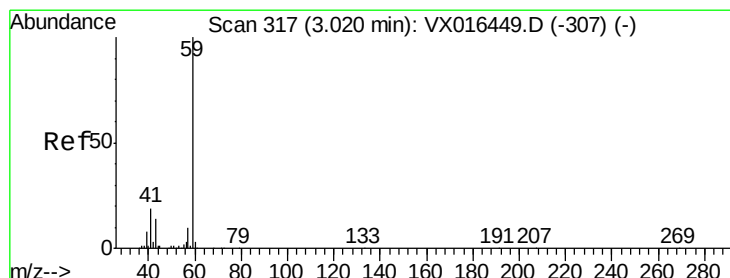
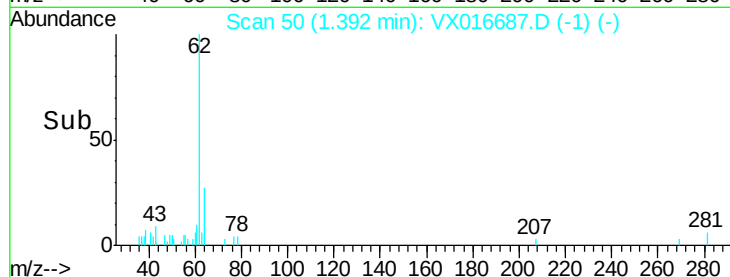
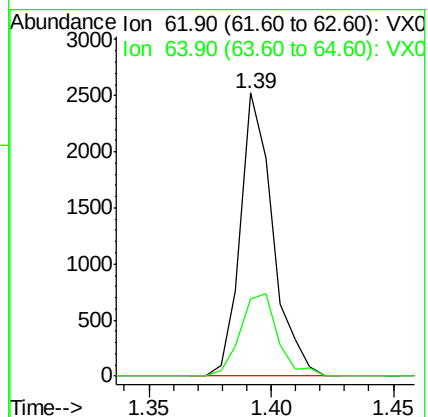
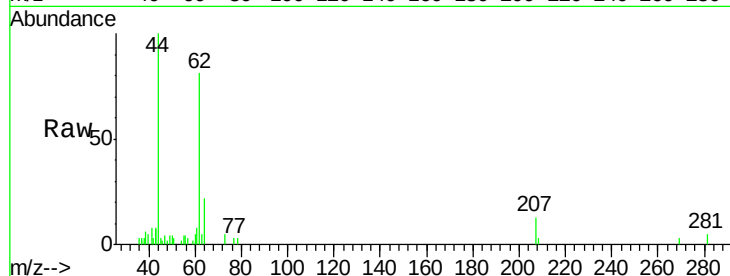
LF014RW132-200608

Tgt Ion: 62 Resp: 2332

Ion Ratio Lower Upper

62 100

64 27.3 25.9 38.9



#11

Tert butyl alcohol

Concen: 0.55 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016687.D

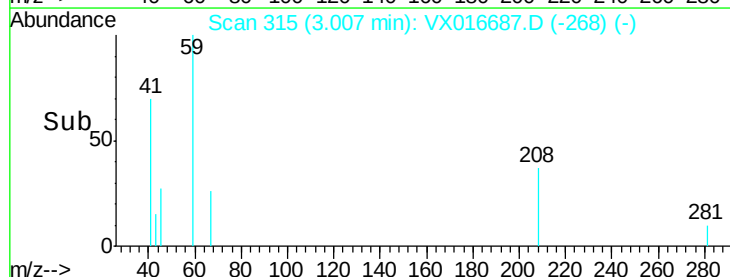
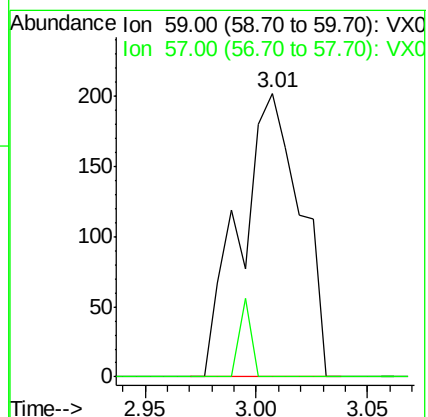
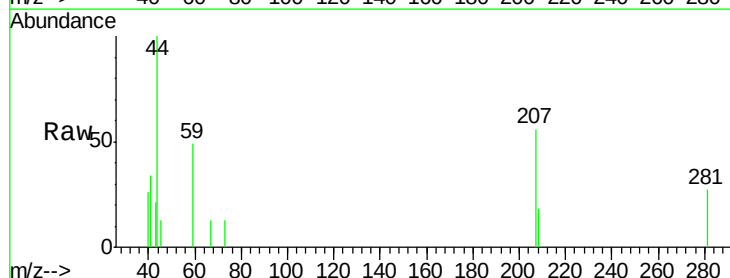
Acq: 10 Jun 2020 19:56

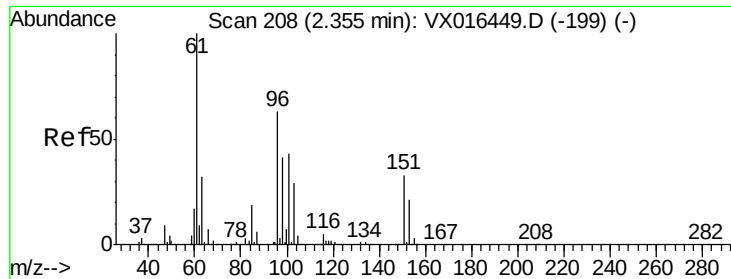
Tgt Ion: 59 Resp: 379

Ion Ratio Lower Upper

59 100

57 5.3 8.2 12.4#

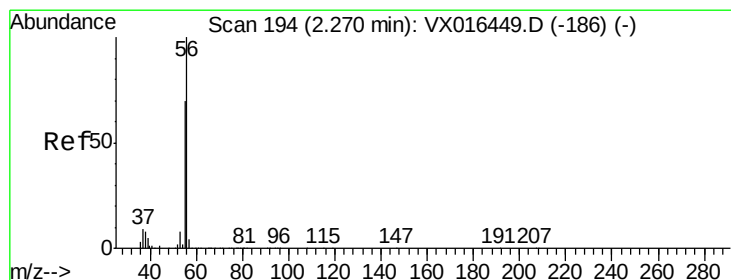
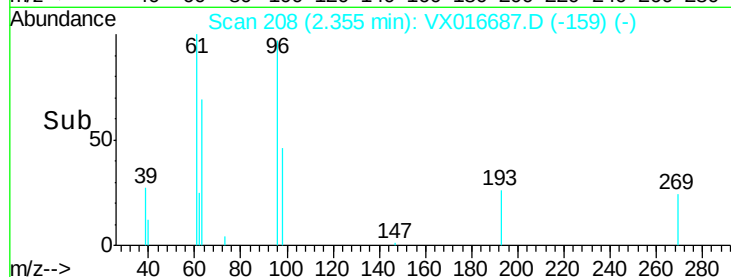
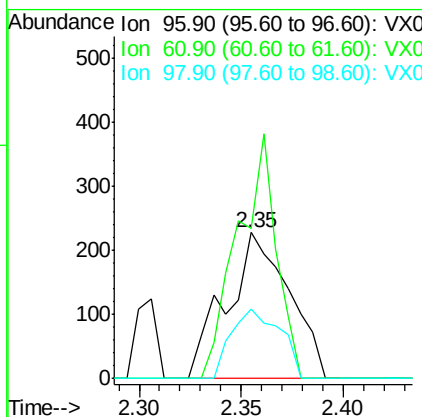
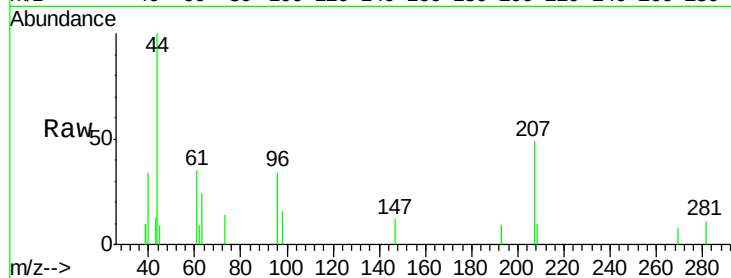




#12
 1,1-Dichloroethene
 Concen: 0.23 ug/l
 RT: 2.35 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016687.D
 Acq: 10 Jun 2020 19:56

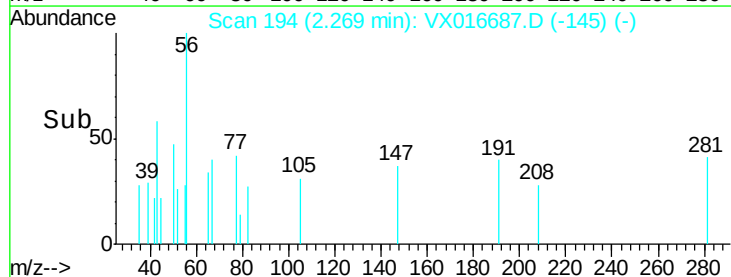
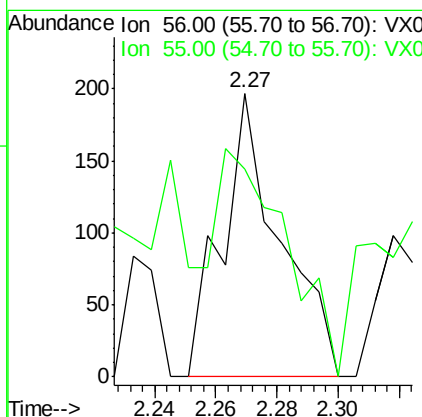
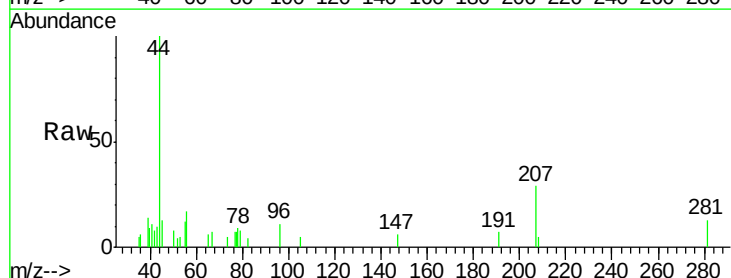
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW132-200608

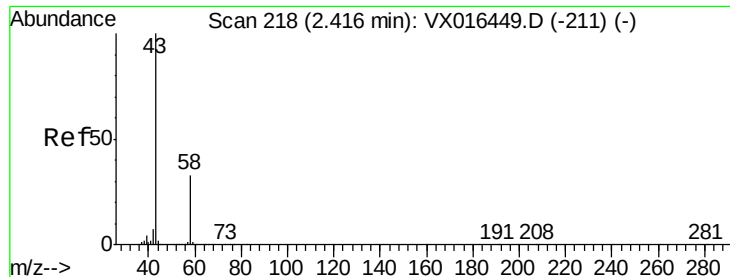
Tgt Ion: 96 Resp: 482
 Ion Ratio Lower Upper
 96 100
 61 103.1 126.6 189.8#
 98 47.1 51.3 76.9#



#13
 Acrolein
 Concen: 0.87 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX016687.D
 Acq: 10 Jun 2020 19:56

Tgt Ion: 56 Resp: 258
 Ion Ratio Lower Upper
 56 100
 55 93.0 58.3 87.5#





#16

Acetone

Concen: 3.55 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

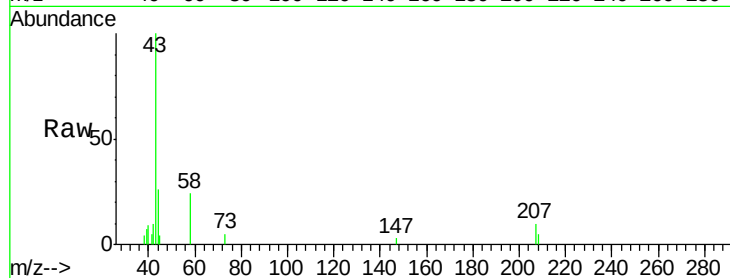
LF014RW132-200608

Tgt Ion: 43 Resp: 4220

Ion Ratio Lower Upper

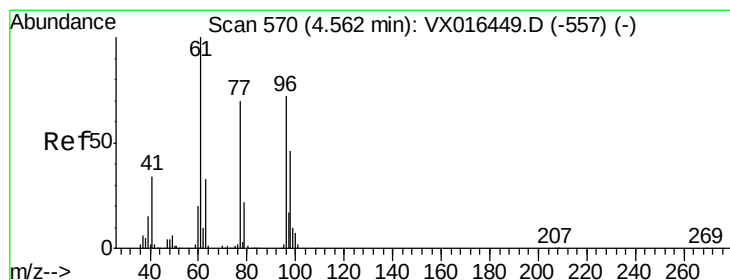
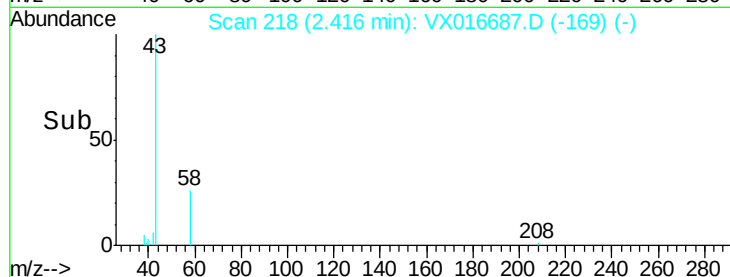
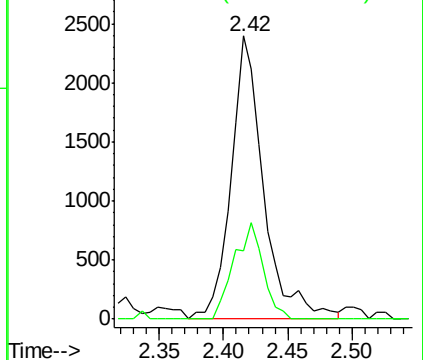
43 100

58 23.9 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.62 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

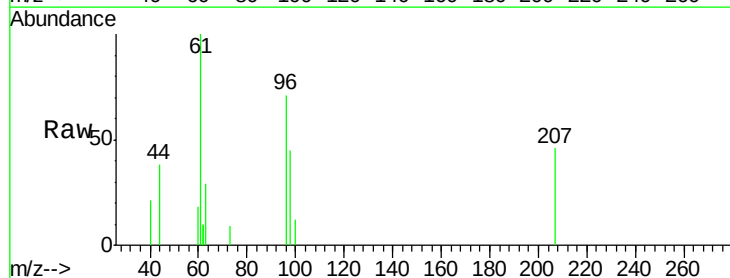
Tgt Ion: 96 Resp: 1663

Ion Ratio Lower Upper

96 100

61 102.3 0.0 284.6

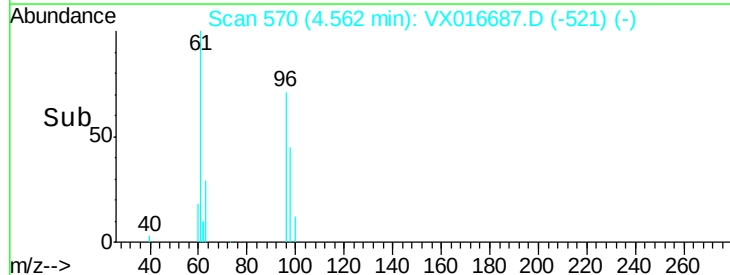
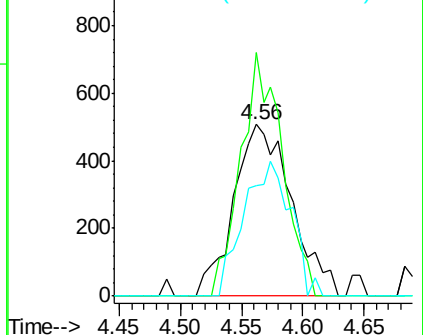
98 64.2 0.0 127.2

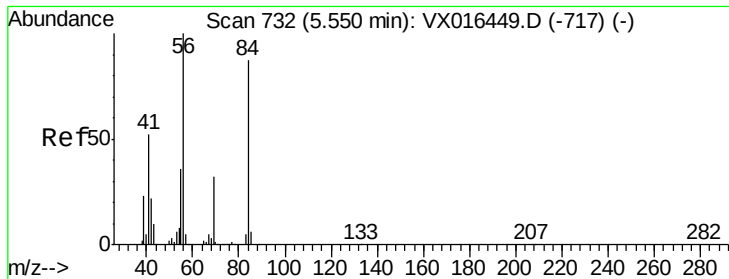


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

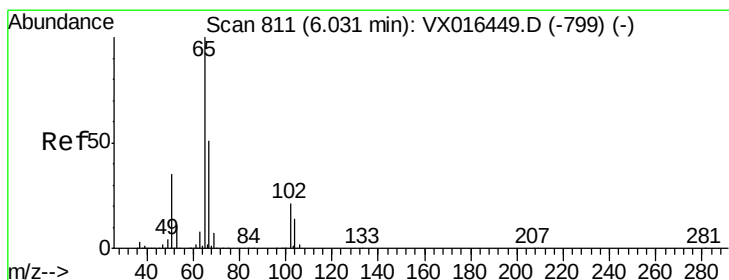
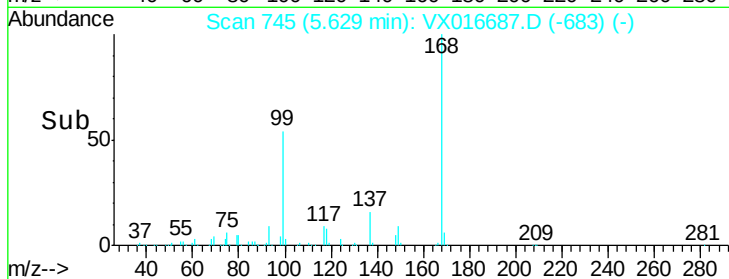
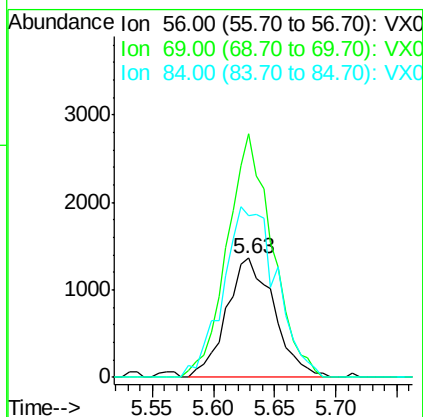
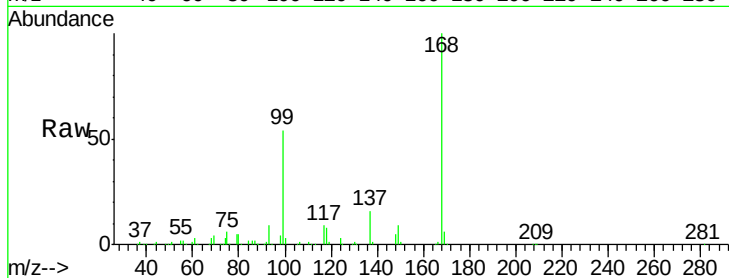




#31
Cyclohexane
Concen: 0.98 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016687.D
Acq: 10 Jun 2020 19:56

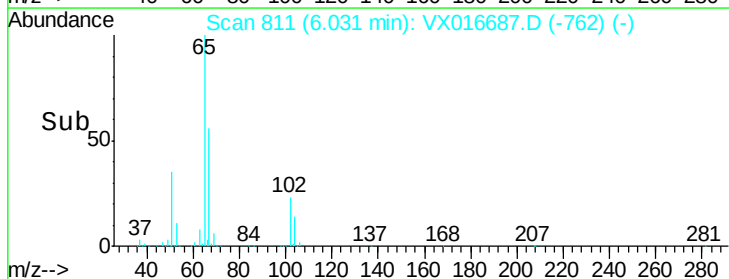
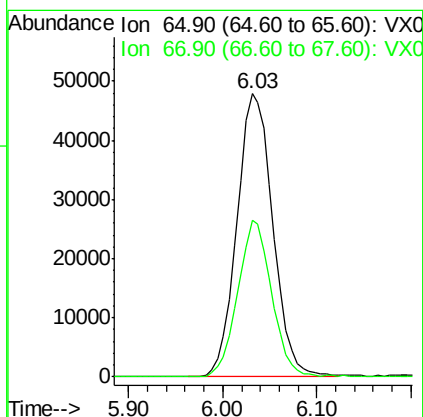
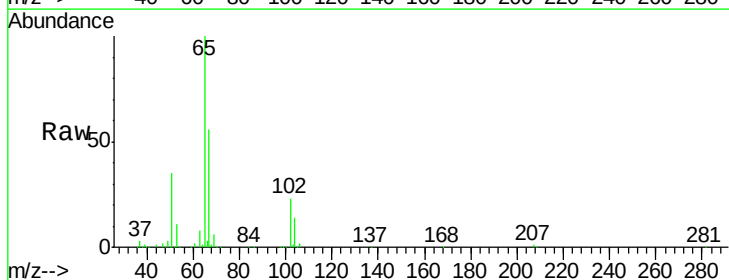
Instrument :
MSVOA_X
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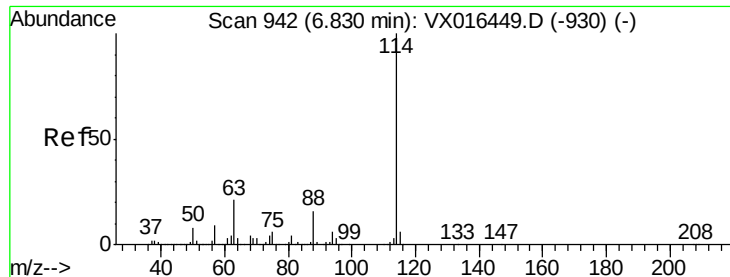
Tgt Ion: 56 Resp: 3695
Ion Ratio Lower Upper
56 100
69 204.6 25.7 38.5#
84 135.9 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.10 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016687.D
Acq: 10 Jun 2020 19:56

Tgt Ion: 65 Resp: 127693
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-200608

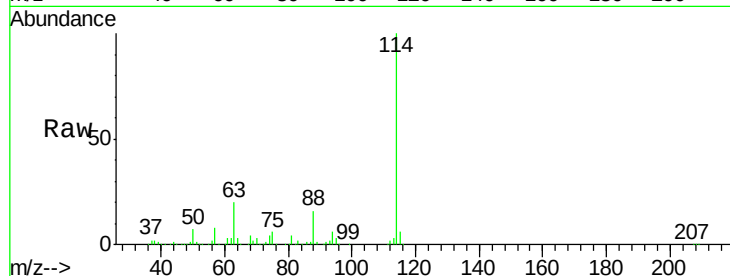
Tgt Ion:114 Resp: 339106

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

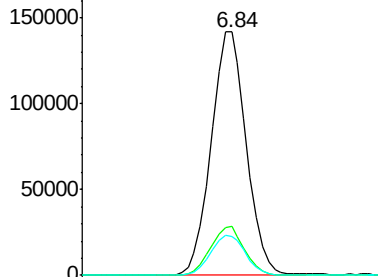
88 15.9 0.0 32.8



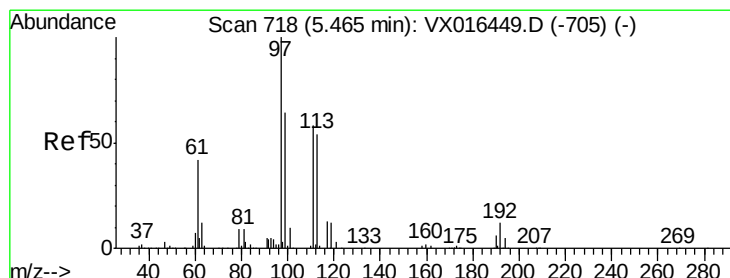
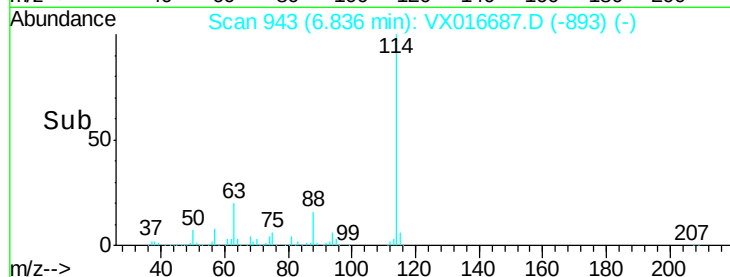
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->



#35

Dibromofluoromethane

Concen: 50.95 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

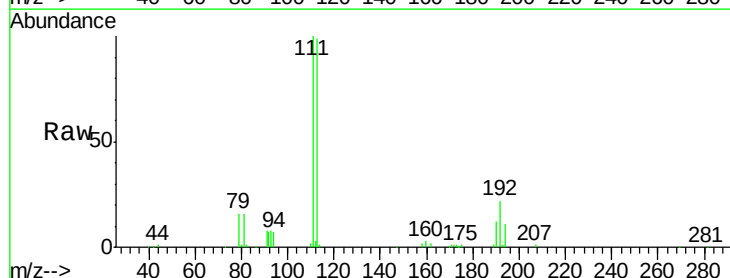
Tgt Ion:113 Resp: 106376

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

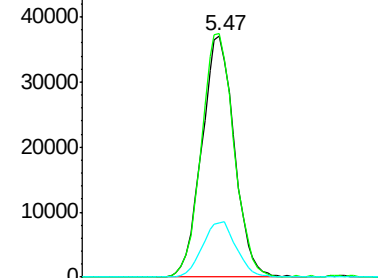
192 23.7 17.7 26.5



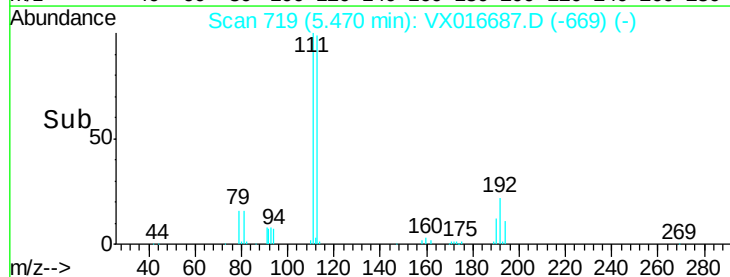
Abundance Ion 112.80 (112.50 to 113.50): V

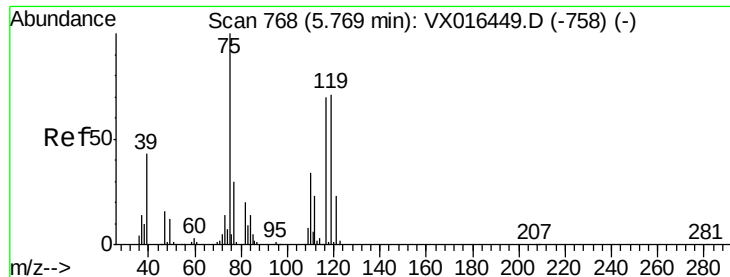
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->

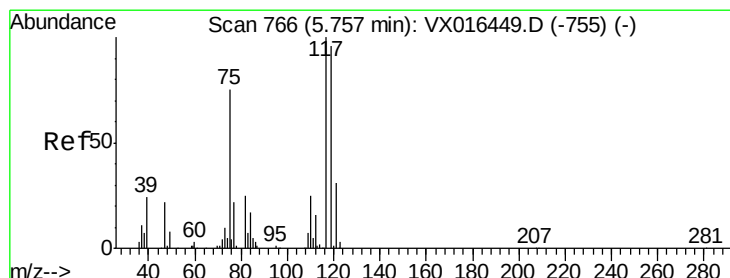
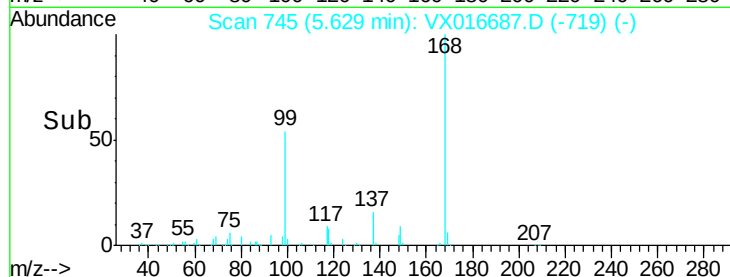
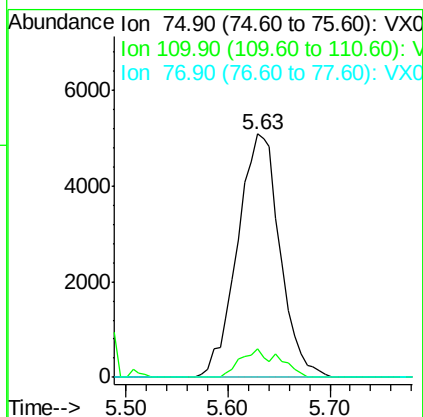
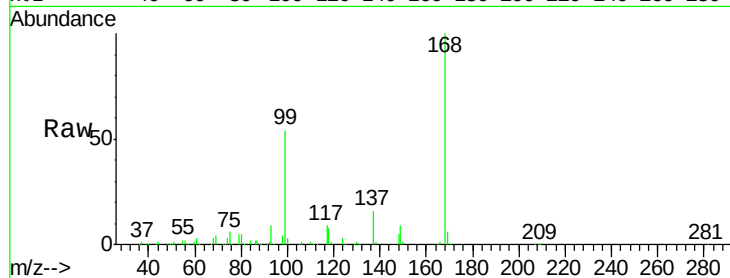




#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016687.D
 Acq: 10 Jun 2020 19:56

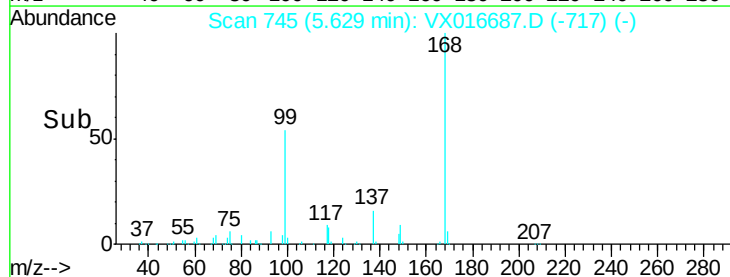
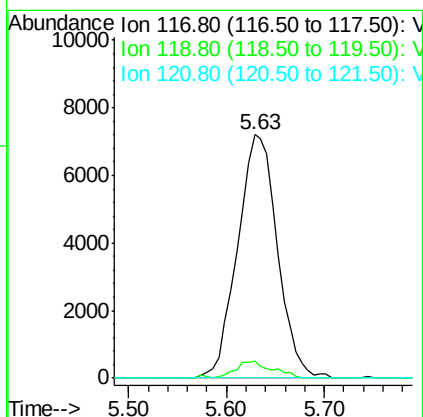
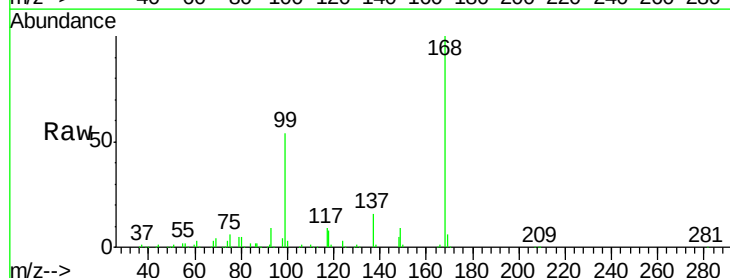
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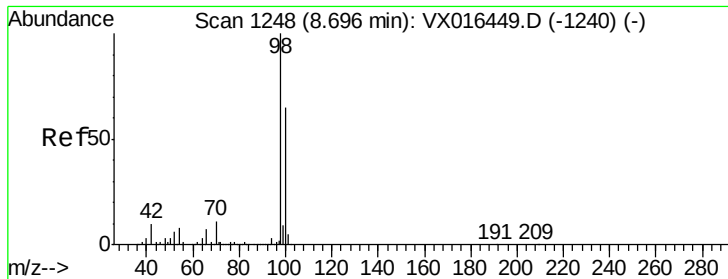
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	17.4	52.3#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.03 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016687.D
 Acq: 10 Jun 2020 19:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	76.3	114.5#
121	0.0	24.6	37.0#





#50

Toluene-d8

Concen: 52.12 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

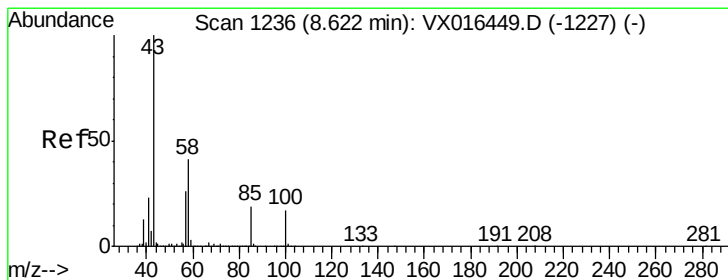
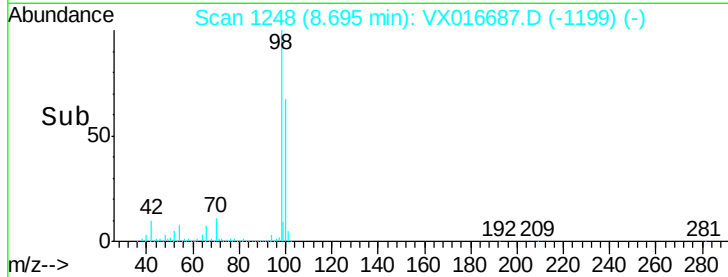
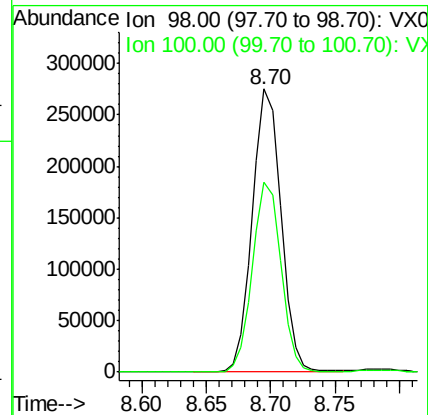
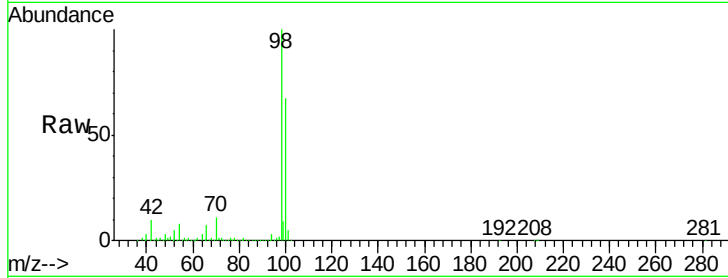
LF014RW132-200608

Tgt Ion: 98 Resp: 423566

Ion Ratio Lower Upper

98 100

100 66.8 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 0.48 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX016687.D

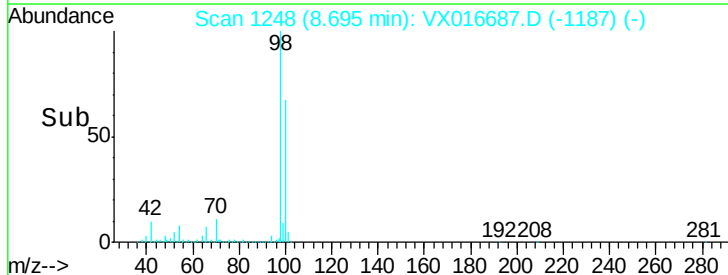
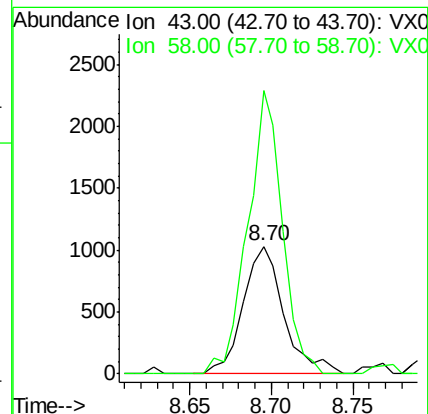
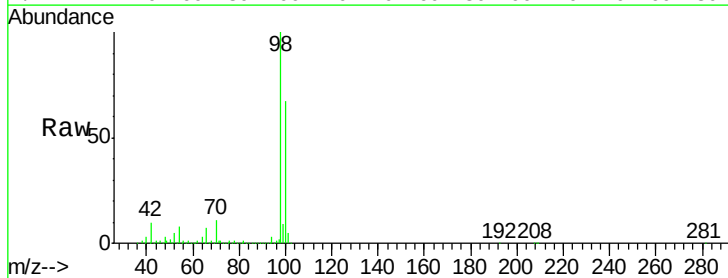
Acq: 10 Jun 2020 19:56

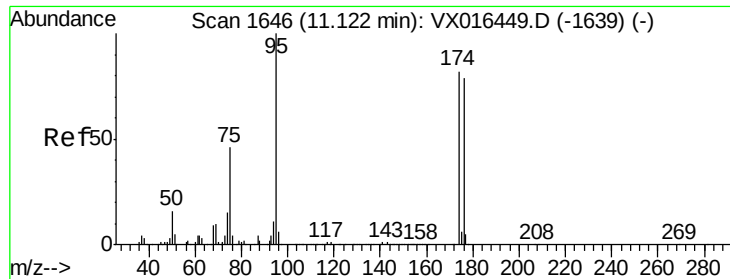
Tgt Ion: 43 Resp: 1796

Ion Ratio Lower Upper

43 100

58 188.1 33.0 49.6#





#62

4-Bromofluorobenzene

Concen: 55.02 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-200608

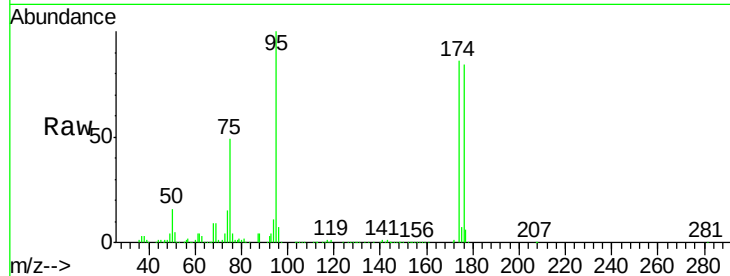
Tgt Ion: 95 Resp: 172777

Ion Ratio Lower Upper

95 100

174 87.6 0.0 163.0

176 84.5 0.0 156.8

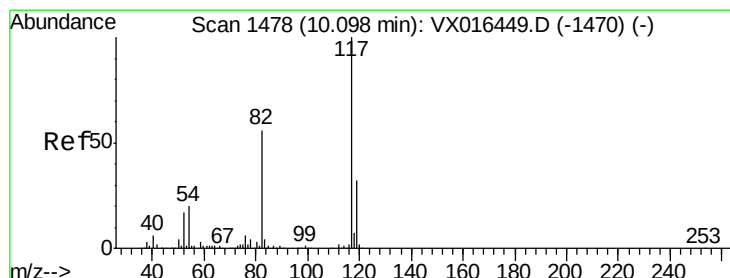
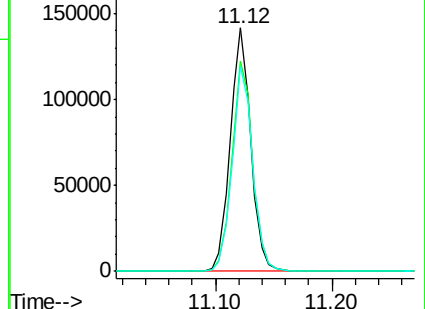
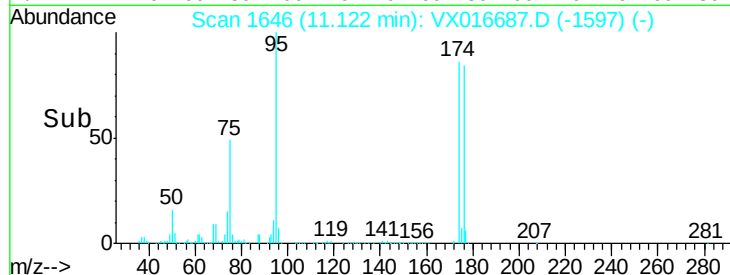


Abundance Ion 94.90 (94.60 to 95.60): VX016449.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016449.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016449.D (-1639) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

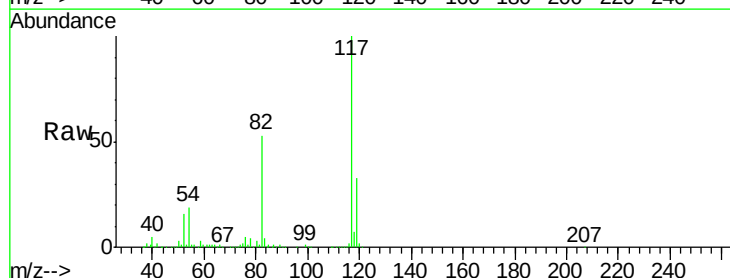
Tgt Ion: 117 Resp: 354471

Ion Ratio Lower Upper

117 100

82 53.2 45.0 67.6

119 32.7 25.8 38.8

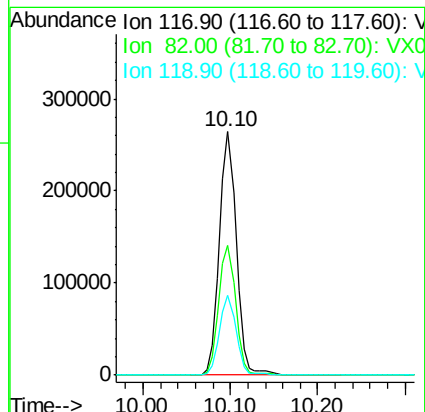
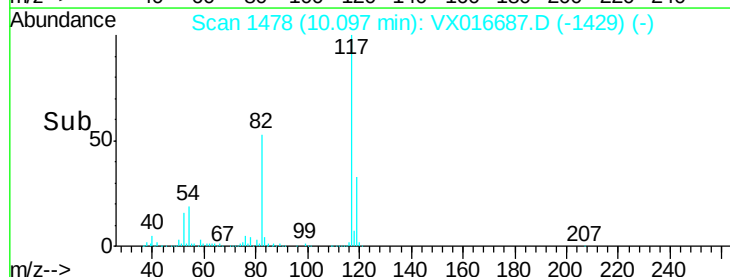


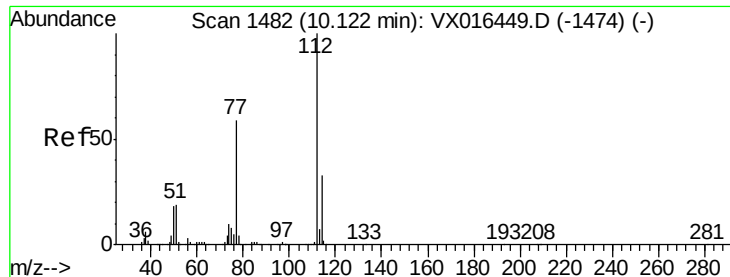
Abundance Ion 116.90 (116.60 to 117.60): VX016449.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016449.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016449.D (-1470) (-)

Time-->





#65

Chlorobenzene

Concen: 3.43 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

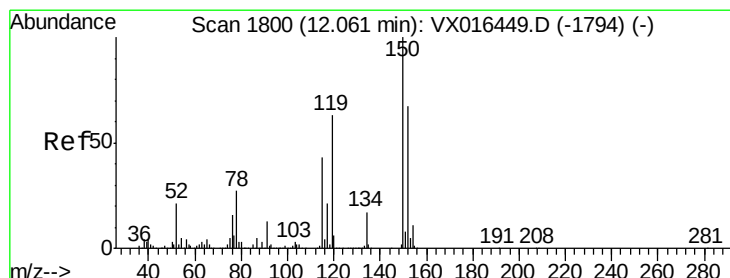
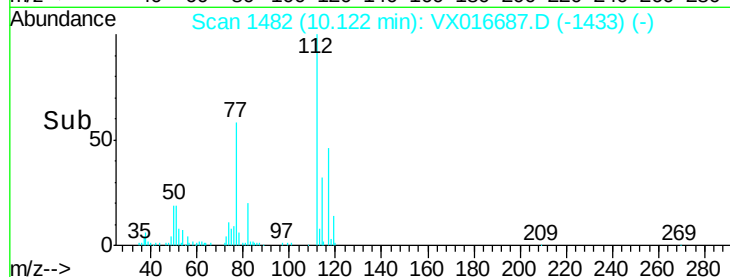
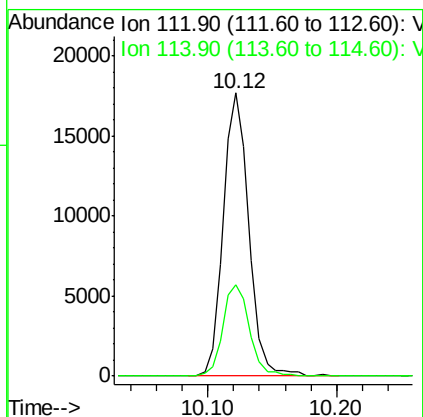
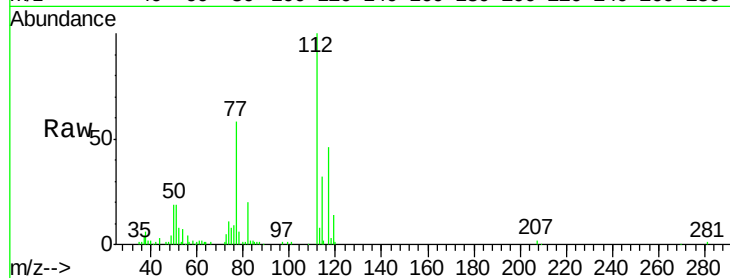
LF014RW132-200608

Tgt Ion:112 Resp: 24769

Ion Ratio Lower Upper

112 100

114 32.1 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: VX016687.D

Acq: 10 Jun 2020 19:56

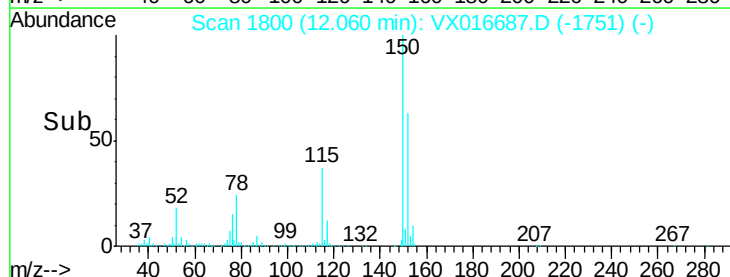
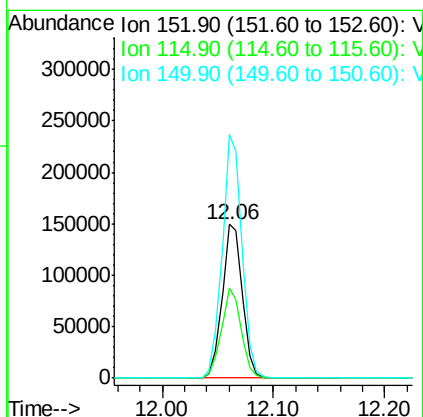
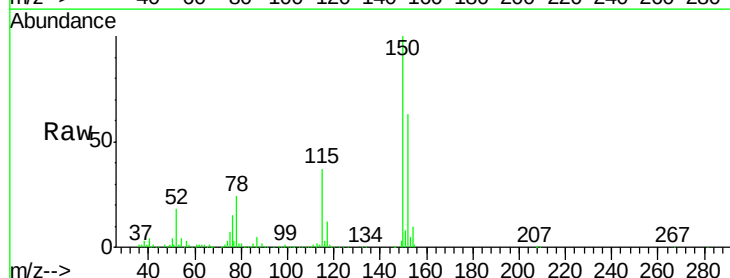
Tgt Ion:152 Resp: 184988

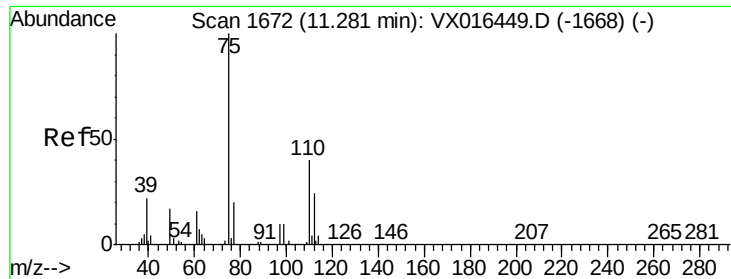
Ion Ratio Lower Upper

152 100

115 57.2 39.9 119.6

150 156.5 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 20.78 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

Instrument :

MSVOA_X

ClientSampleId :

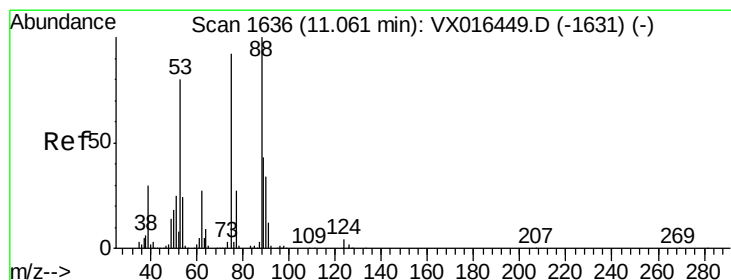
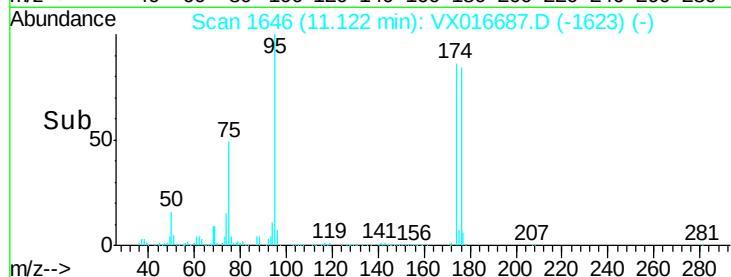
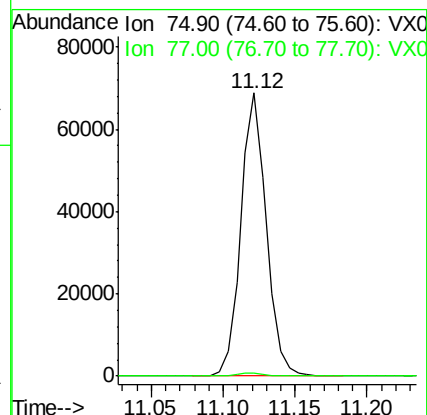
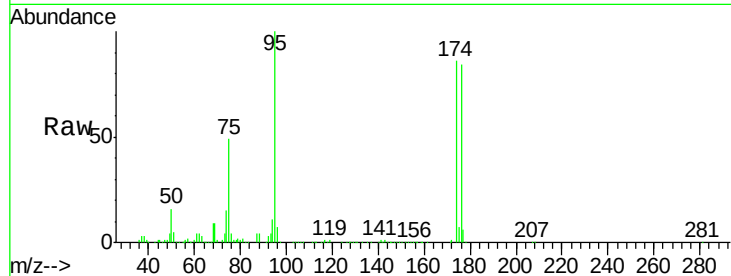
LF014RW132-200608

Tgt Ion: 75 Resp: 84506

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.12 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016687.D

Acq: 10 Jun 2020 19:56

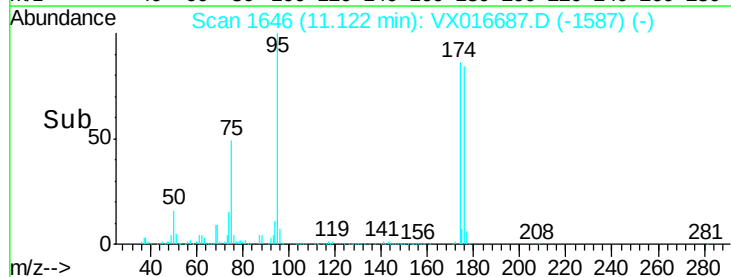
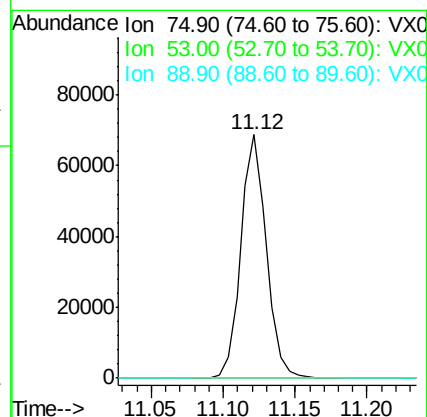
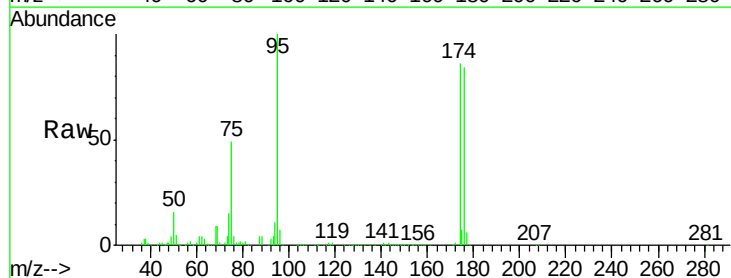
Tgt Ion: 75 Resp: 84506

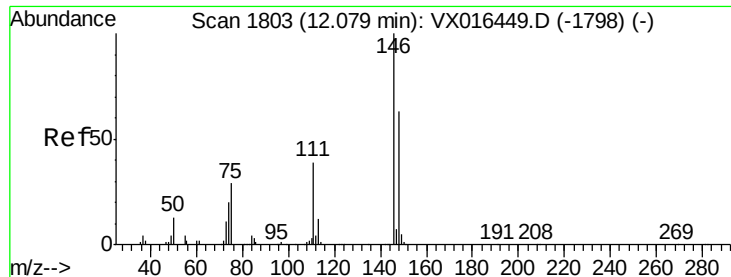
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

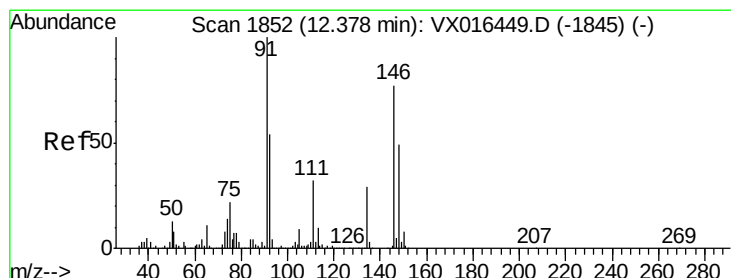
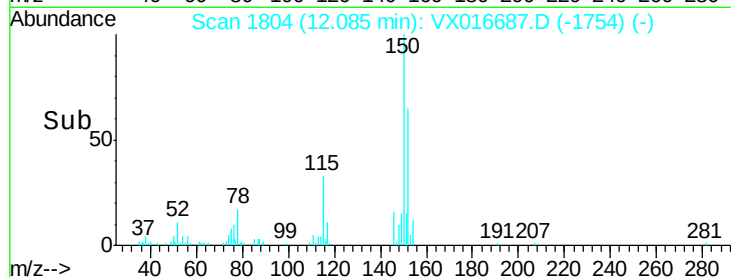
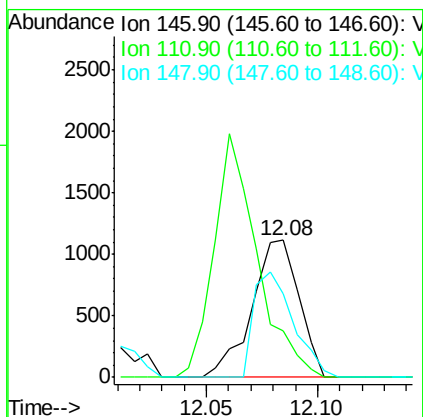
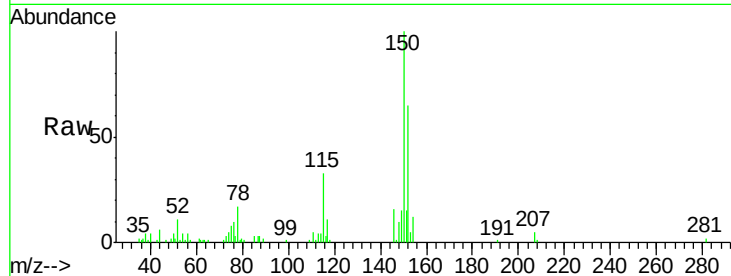




#88
 1,4-Dichlorobenzene
 Concen: 0.28 ug/l
 RT: 12.08 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX016687.D
 Acq: 10 Jun 2020 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW132-200608

Tgt Ion:146 Resp: 1648
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.2#
 148 65.1 31.4 94.3



#91
 1,2-Dichlorobenzene
 Concen: 0.21 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016687.D
 Acq: 10 Jun 2020 19:56

Tgt Ion:146 Resp: 1159
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.4 64.3
 148 56.9 31.9 95.7

