

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060520\
 Data File : VX016612.D
 Acq On : 05 Jun 2020 15:32
 Operator : JC/SP
 Sample : L2894-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012RW160-200602

Quant Time: Jun 06 06:01:16 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	5.64	168	212278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	338108	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	341656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	174516	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	130589	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	5.47	113	104998	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	8.70	98	416054	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.12	95	167170	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	

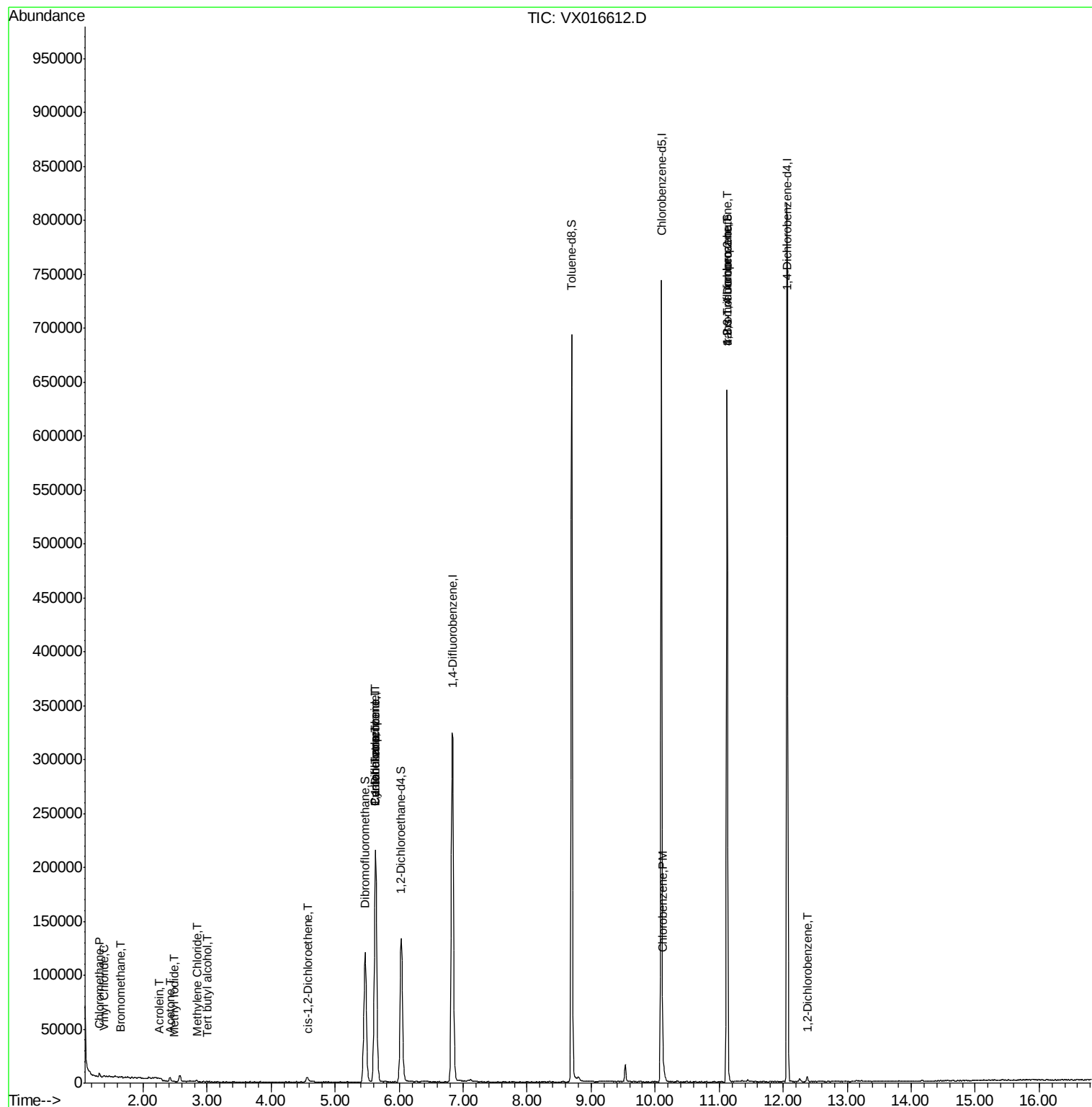
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2071	0.82	ug/l	94
4) Vinyl Chloride	1.39	62	701	0.26	ug/l	96
5) Bromomethane	1.65	94	266	0.20	ug/l #	66
10) Methyl Iodide	2.49	142	41	3.07	ug/l #	40
11) Tert butyl alcohol	3.01	59	183	0.27	ug/l #	72
13) Acrolein	2.26	56	148	0.51	ug/l #	1
16) Acetone	2.42	43	3683	3.19	ug/l	100
20) Methylene Chloride	2.84	84	695	0.29	ug/l #	77
27) cis-1,2-Dichloroethene	4.57	96	2974	1.14	ug/l	84
31) Cyclohexane	5.62	56	3830	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14616	4.57	ug/l #	51
38) Carbon Tetrachloride	5.63	117	20567	6.11	ug/l #	16
65) Chlorobenzene	10.12	112	5505	0.79	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	82448	21.49	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	82448	52.87	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	1411	0.27	ug/l	89

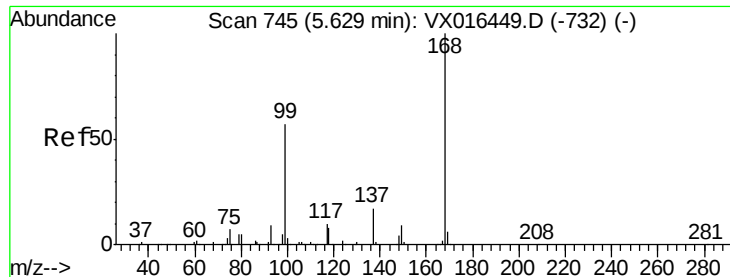
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX060520\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

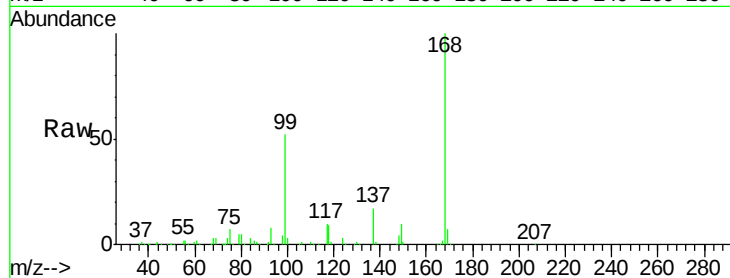
LF012RW160-200602

Tgt Ion:168 Resp: 212278

Ion Ratio Lower Upper

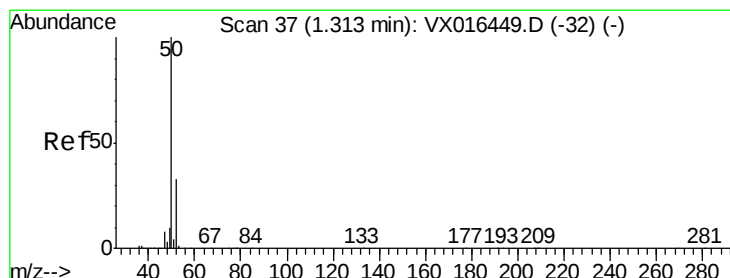
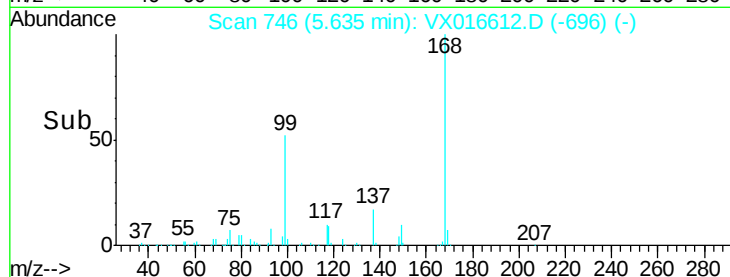
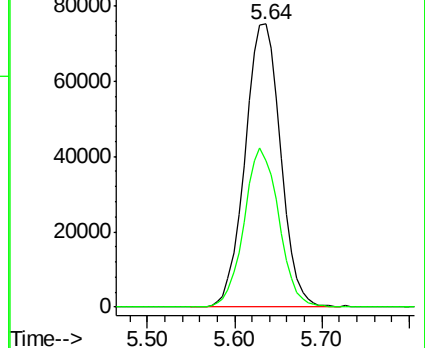
168 100

99 51.9 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: 0.82 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016612.D

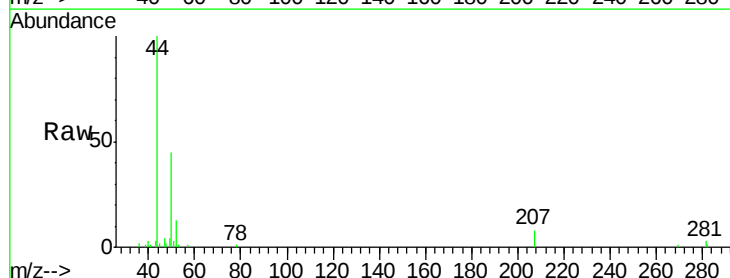
Acq: 05 Jun 2020 15:32

Tgt Ion: 50 Resp: 2071

Ion Ratio Lower Upper

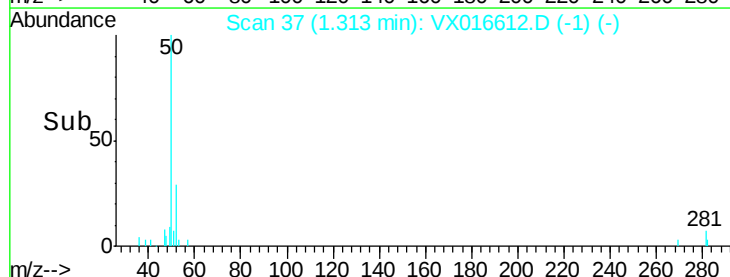
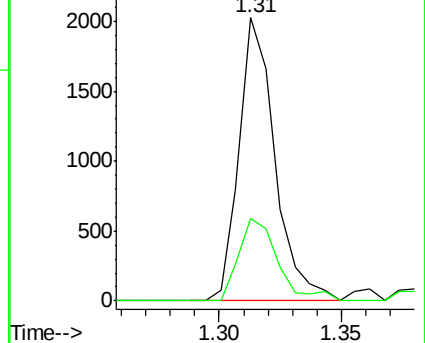
50 100

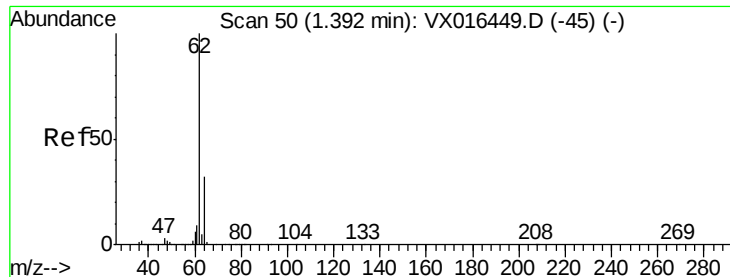
52 29.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.26 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

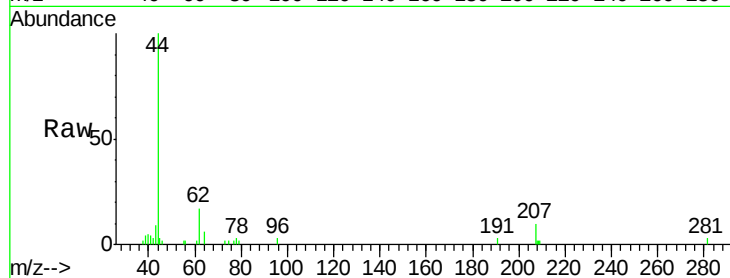
LF012RW160-200602

Tgt Ion: 62 Resp: 701

Ion Ratio Lower Upper

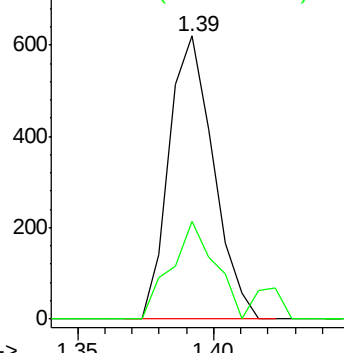
62 100

64 34.7 25.9 38.9

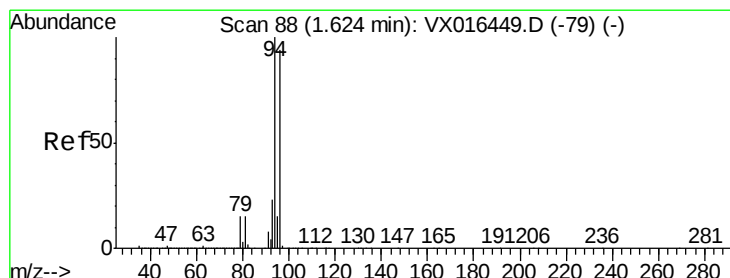
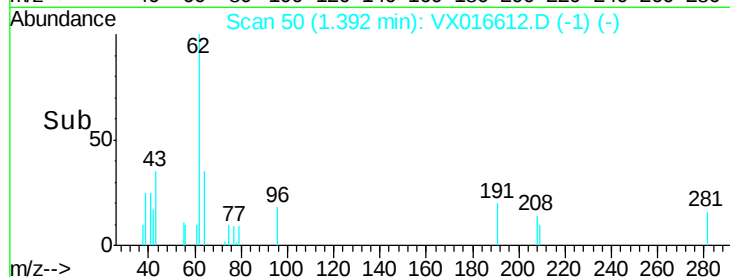


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 0.20 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016612.D

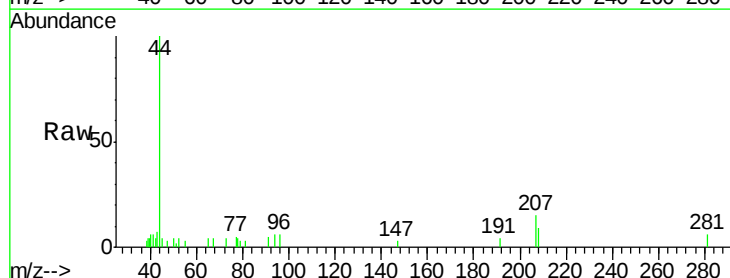
Acq: 05 Jun 2020 15:32

Tgt Ion: 94 Resp: 266

Ion Ratio Lower Upper

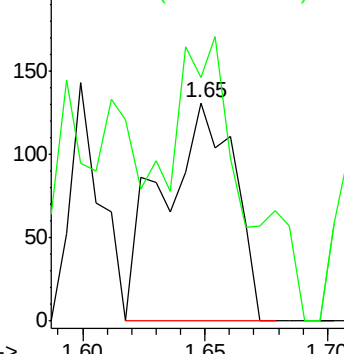
94 100

96 61.1 75.1 112.7#

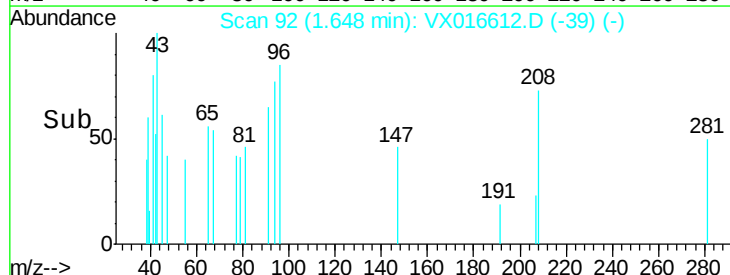


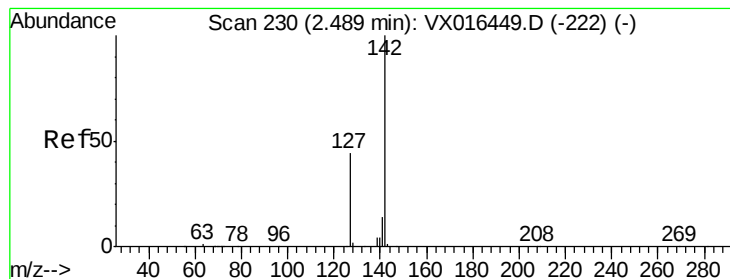
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#10

Methyl Iodide

Concen: 3.07 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

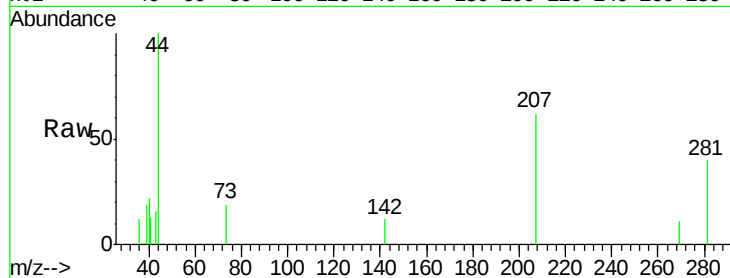
Instrument :

MSVOA_X

ClientSampleId :

LF012RW160-200602

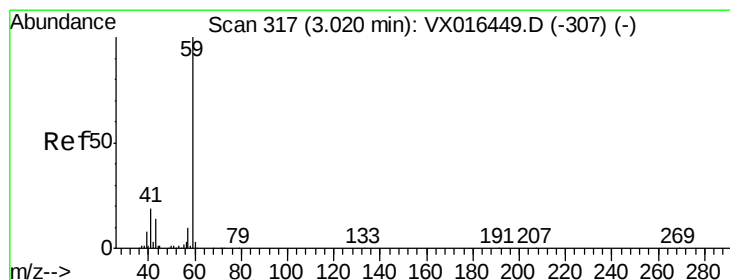
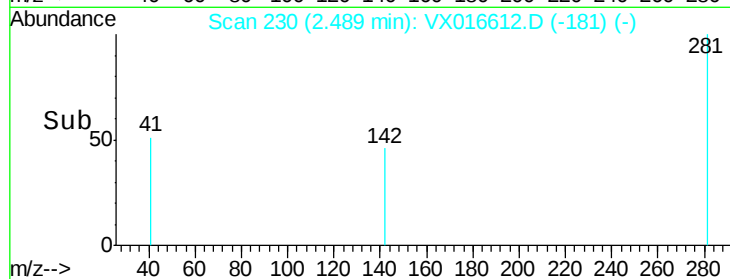
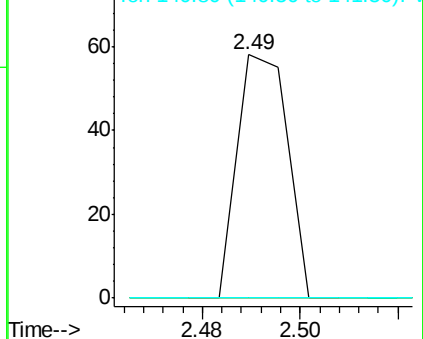
Tgt Ion:	142	Resp:	41
Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.3	52.9#
141	0.0	11.4	17.2#



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



#11

Tert butyl alcohol

Concen: 0.27 ug/l

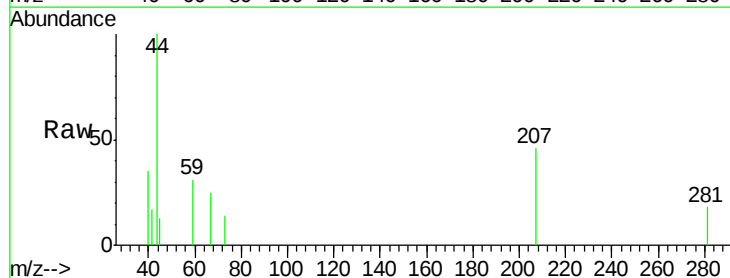
RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016612.D

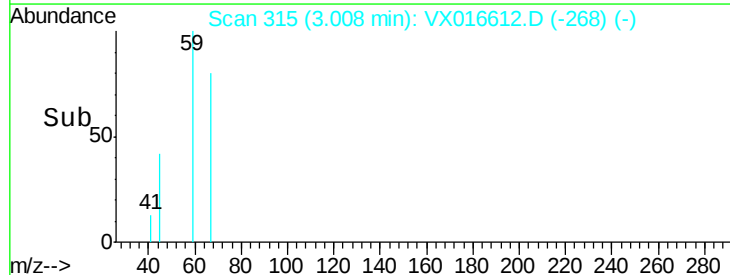
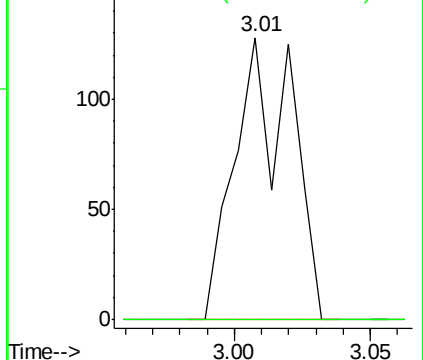
Acq: 05 Jun 2020 15:32

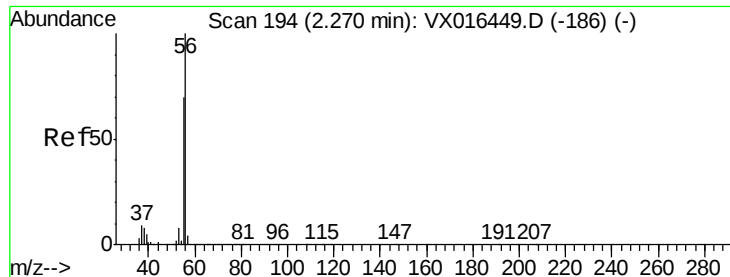
Tgt Ion:	59	Resp:	183
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.51 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

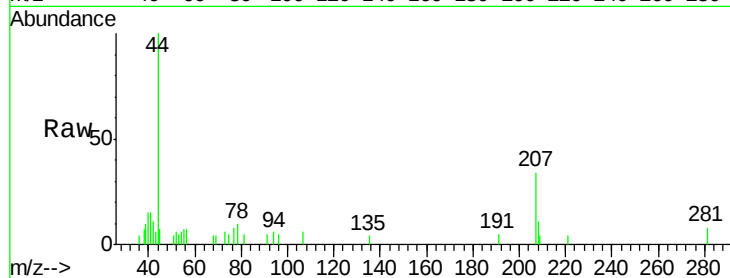
LF012RW160-200602

Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

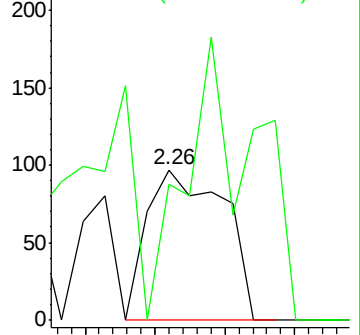
56 100

55 166.2 58.3 87.5#

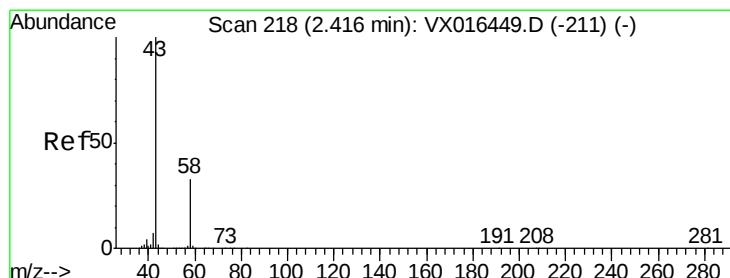
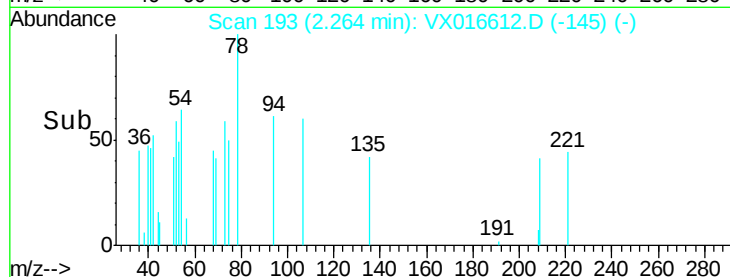


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 3.19 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016612.D

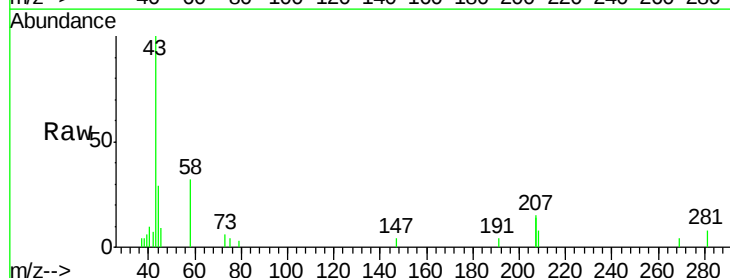
Acq: 05 Jun 2020 15:32

Tgt Ion: 43 Resp: 3683

Ion Ratio Lower Upper

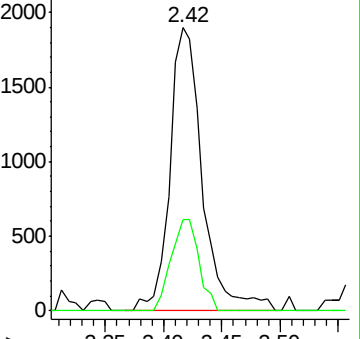
43 100

58 32.4 26.1 39.1

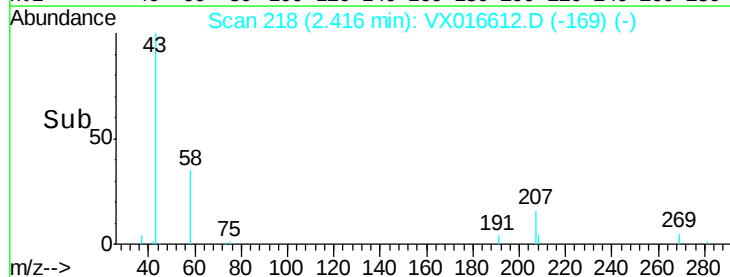


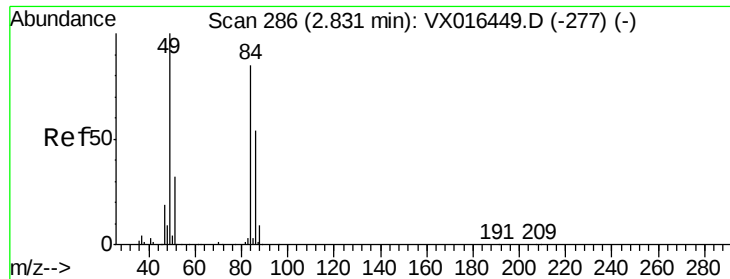
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

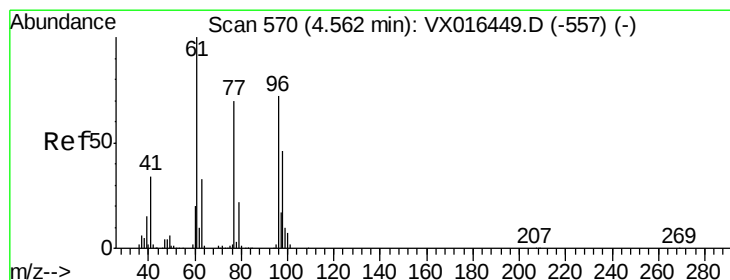
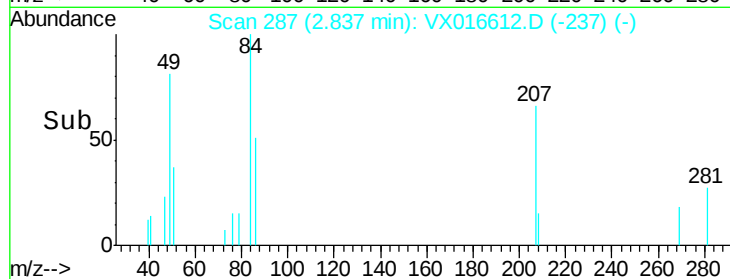
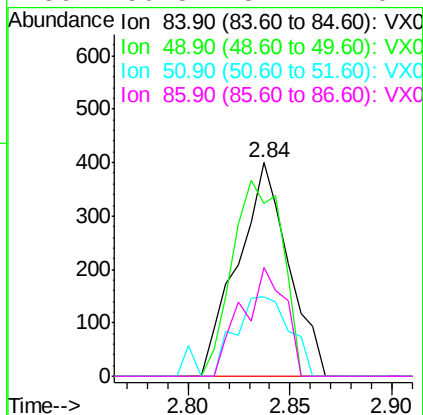
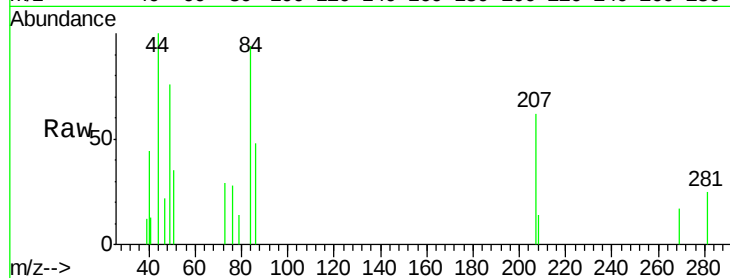




#20
Methylene Chloride
Concen: 0.29 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016612.D
Acq: 05 Jun 2020 15:32

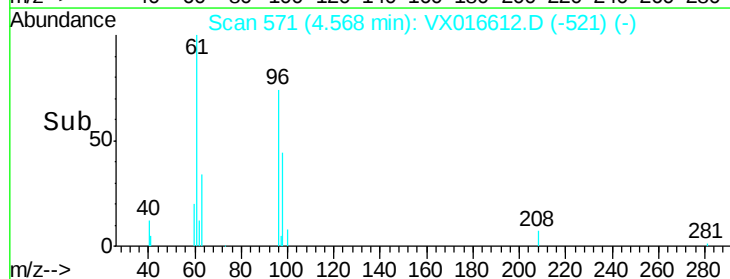
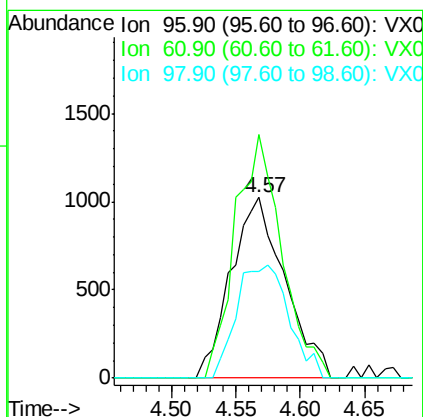
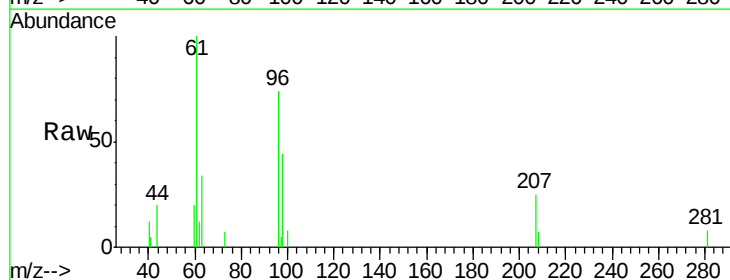
Instrument :
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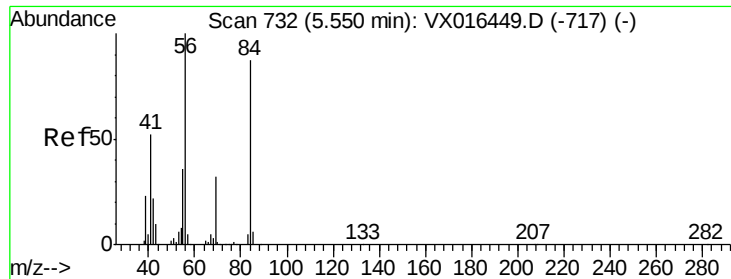
Tgt Ion: 84 Resp: 695
Ion Ratio Lower Upper
84 100
49 80.8 94.5 141.7#
51 37.0 30.2 45.4
86 50.8 51.1 76.7#



#27
cis-1,2-Dichloroethene
Concen: 1.14 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016612.D
Acq: 05 Jun 2020 15:32

Tgt Ion: 96 Resp: 2974
Ion Ratio Lower Upper
96 100
61 116.4 0.0 284.6
98 60.7 0.0 127.2

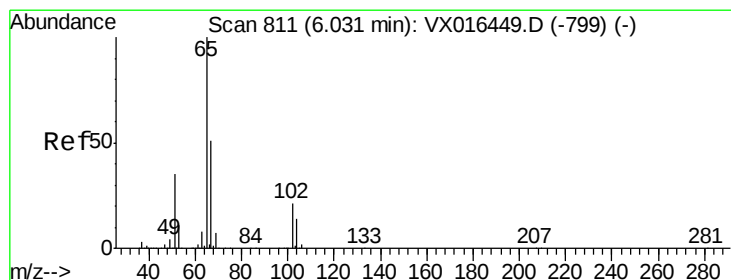
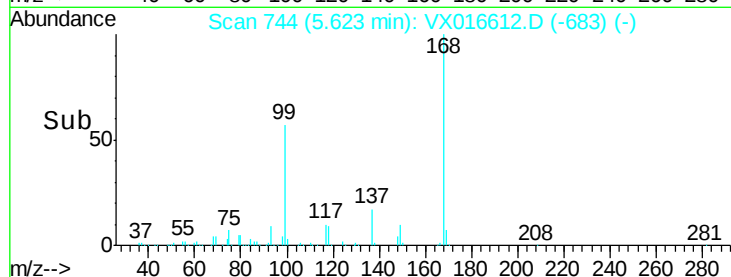
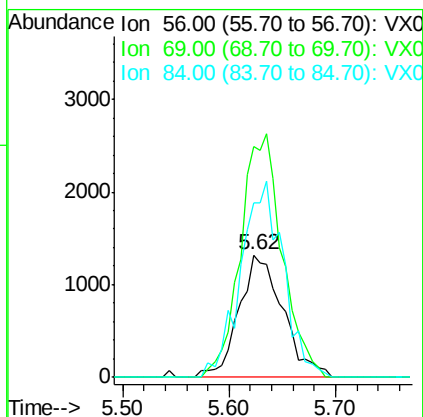
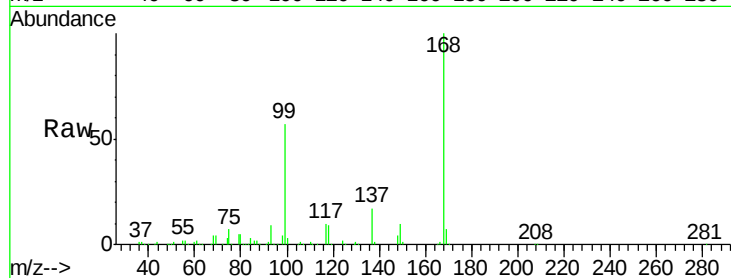




#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016612.D
Acq: 05 Jun 2020 15:32

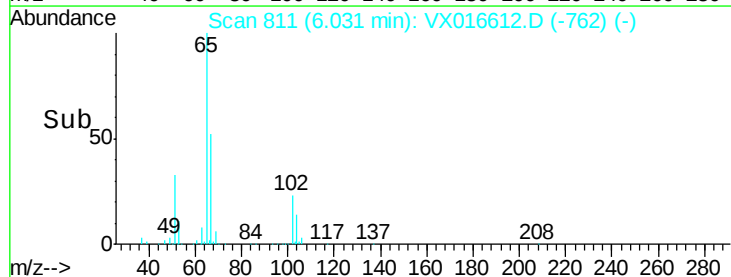
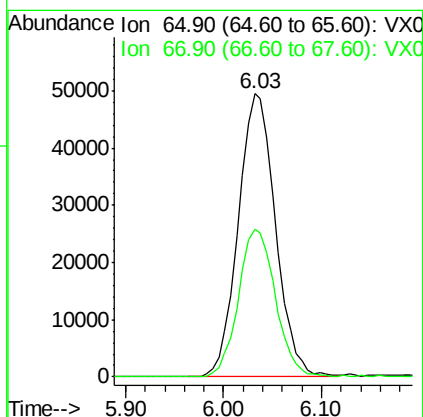
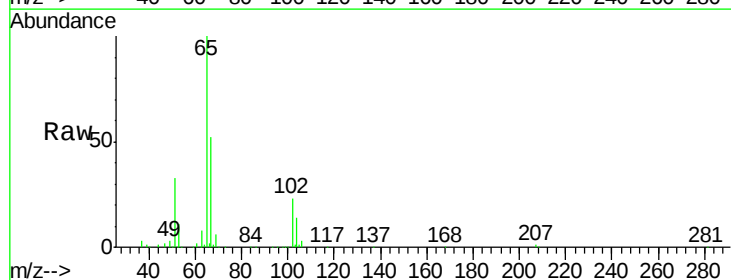
Instrument :
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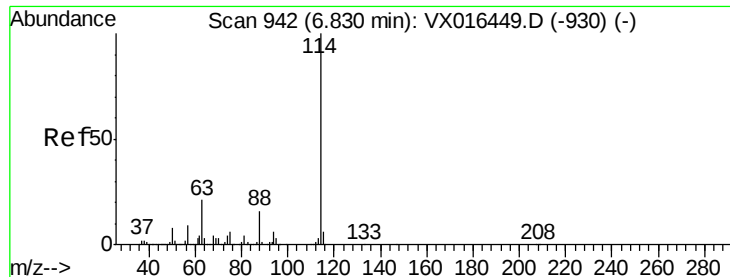
Tgt Ion: 56 Resp: 3830
Ion Ratio Lower Upper
56 100
69 188.4 25.7 38.5#
84 142.5 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.54 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016612.D
Acq: 05 Jun 2020 15:32

Tgt Ion: 65 Resp: 130589
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

LF012RW160-200602

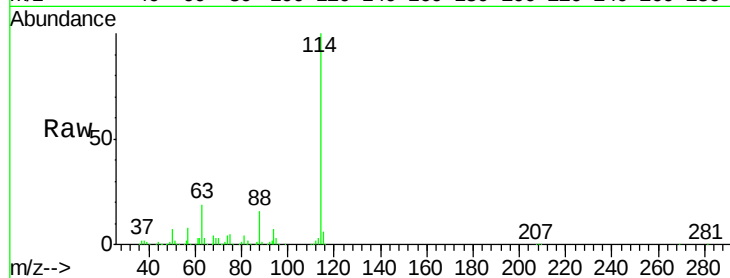
Tgt Ion:114 Resp: 338108

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

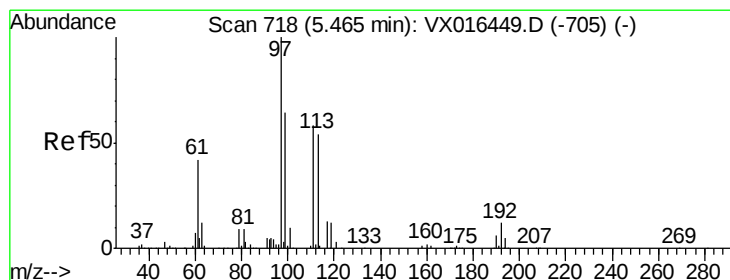
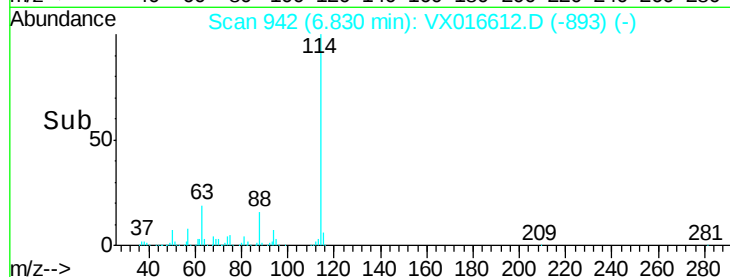
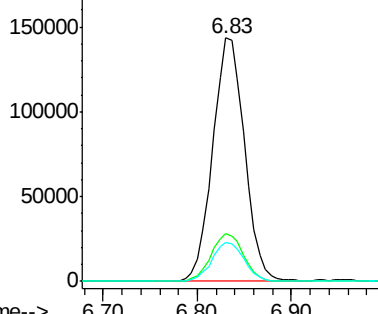
88 15.7 0.0 32.8



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: 50.43 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

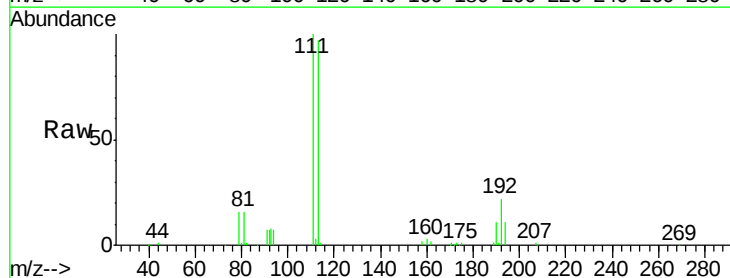
Tgt Ion:113 Resp: 104998

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.6

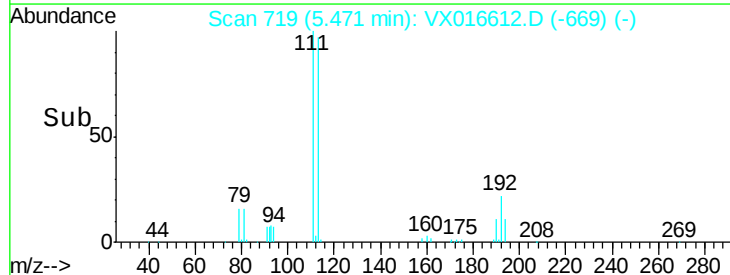
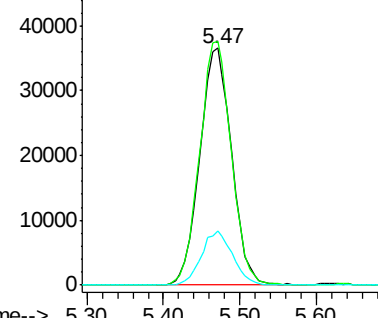
192 22.5 17.7 26.5

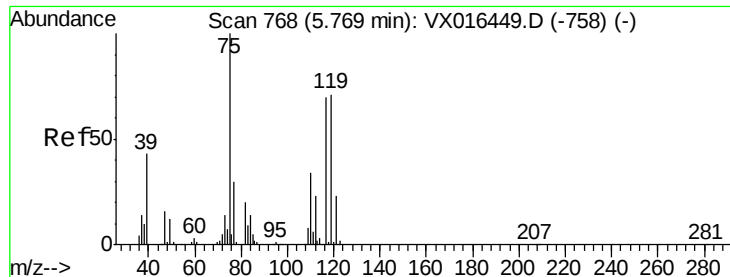


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.57 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

LF012RW160-200602

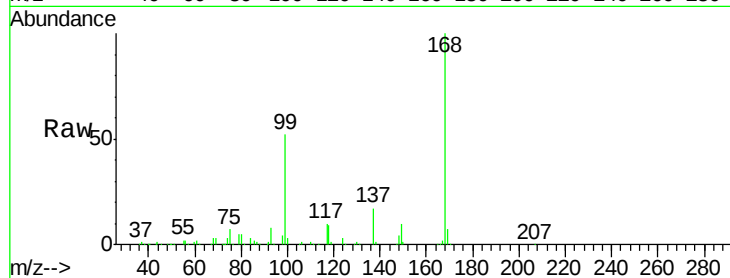
Tgt Ion: 75 Resp: 14616

Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.3#

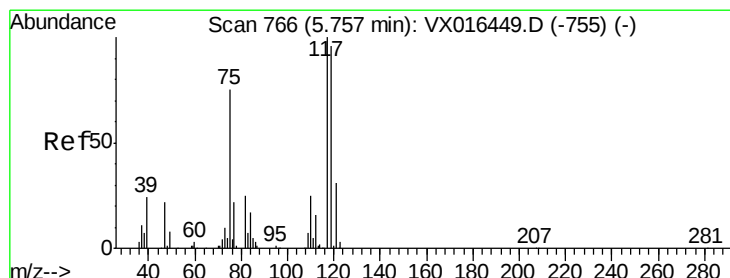
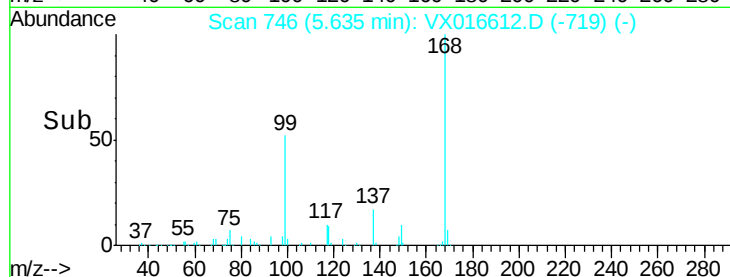
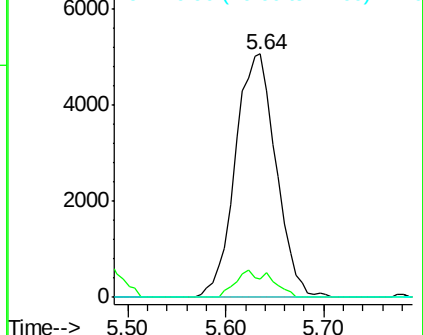
77 0.0 24.2 36.4#



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: 6.11 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

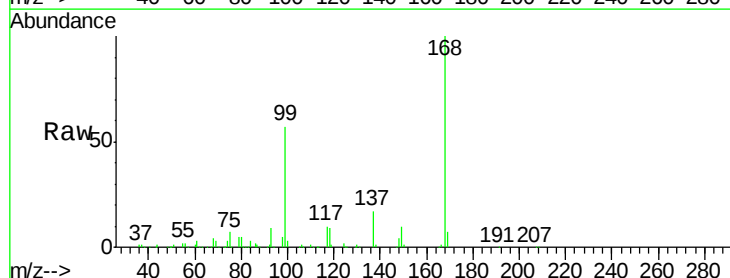
Tgt Ion: 117 Resp: 20567

Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

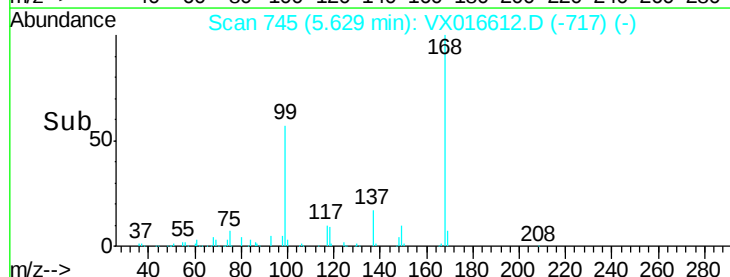
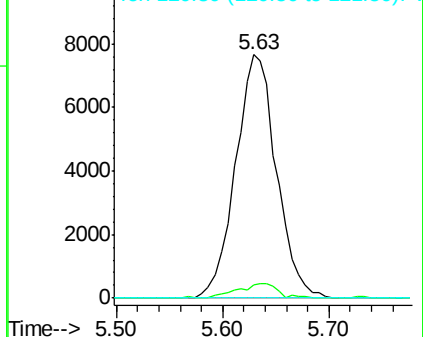
121 0.0 24.6 37.0#

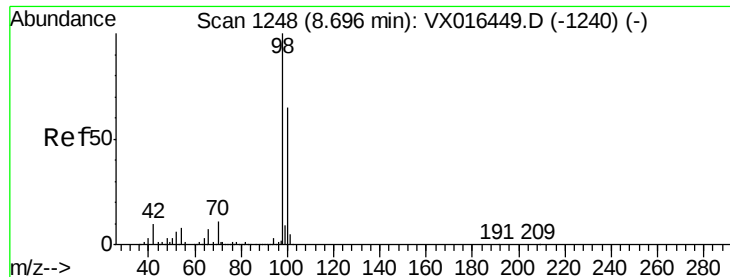


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.34 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

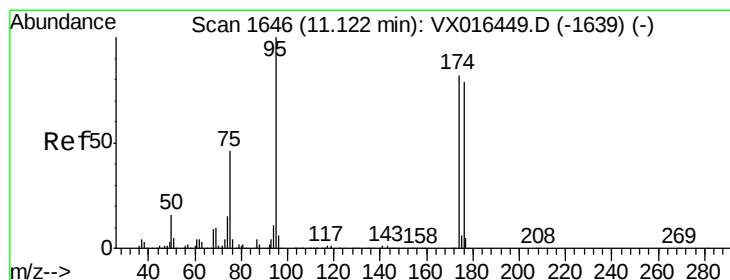
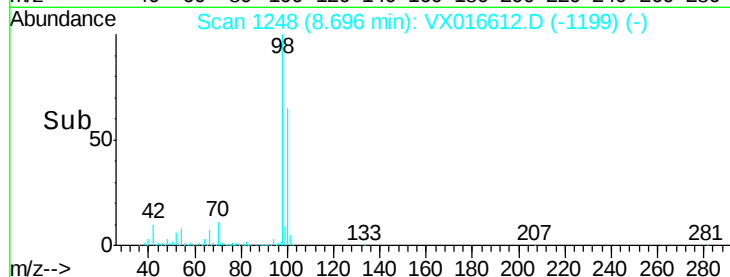
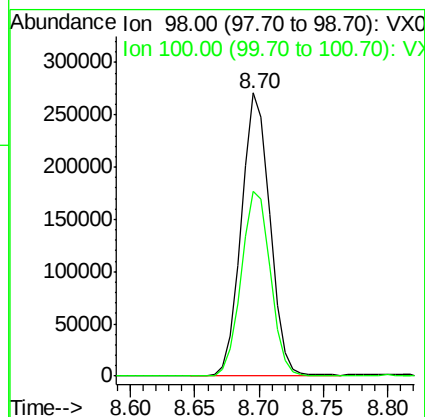
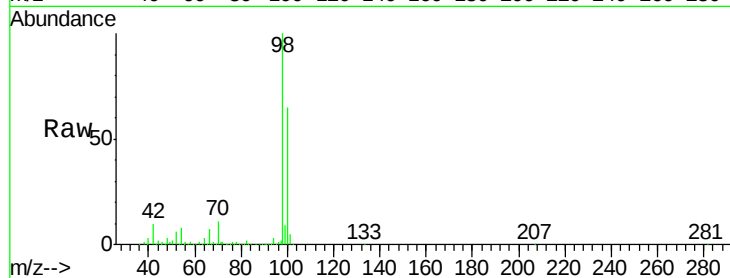
LF012RW160-200602

Tgt Ion: 98 Resp: 416054

Ion Ratio Lower Upper

98 100

100 66.7 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 53.39 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

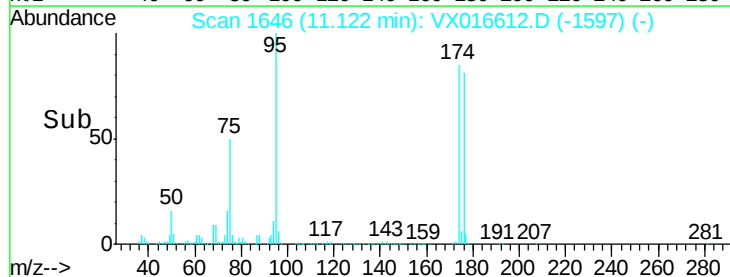
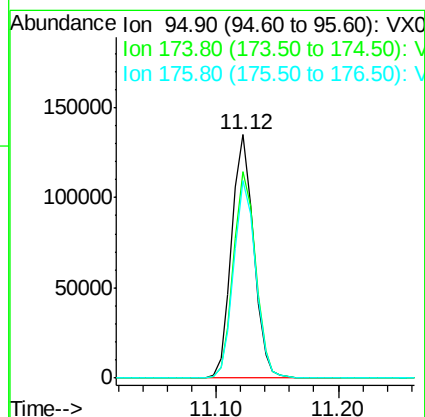
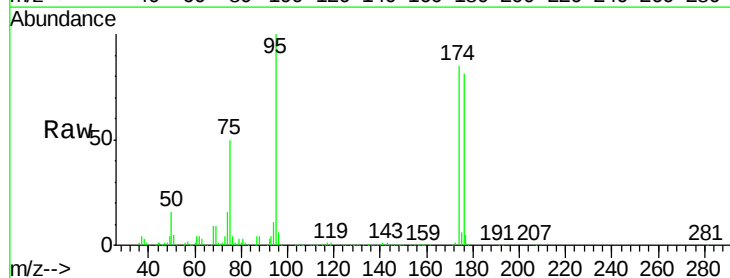
Tgt Ion: 95 Resp: 167170

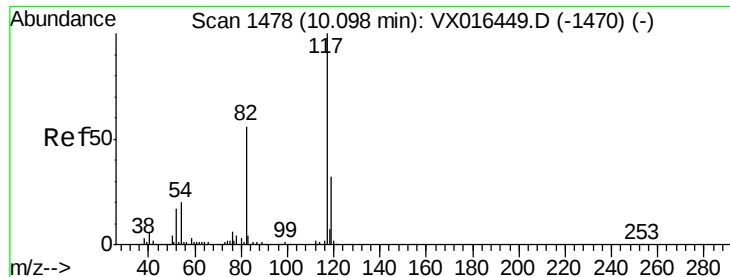
Ion Ratio Lower Upper

95 100

174 85.6 0.0 163.0

176 81.0 0.0 156.8

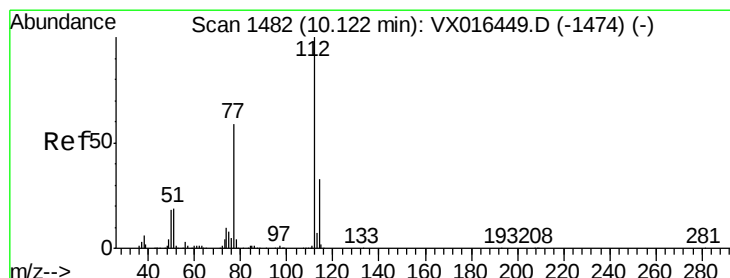
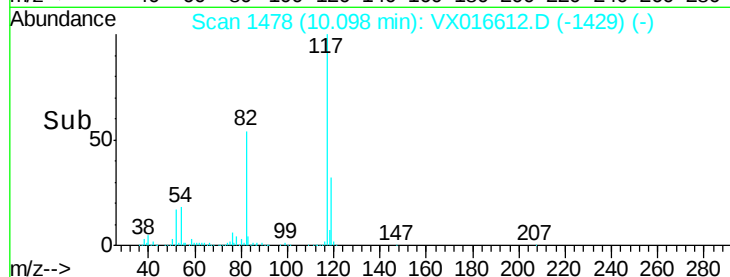
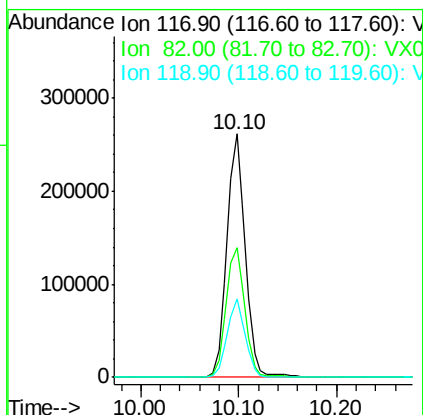
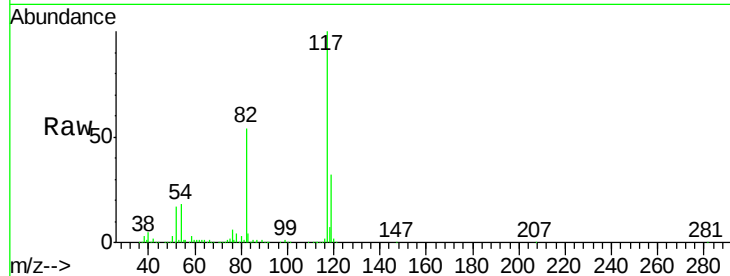




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016612.D
Acq: 05 Jun 2020 15:32

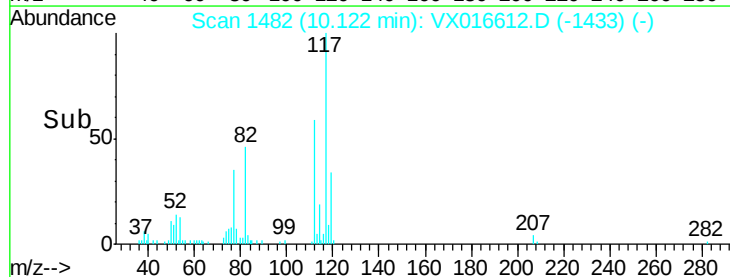
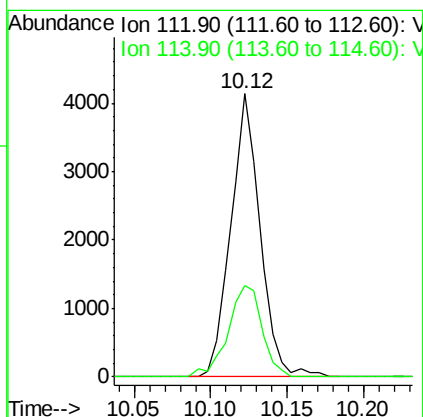
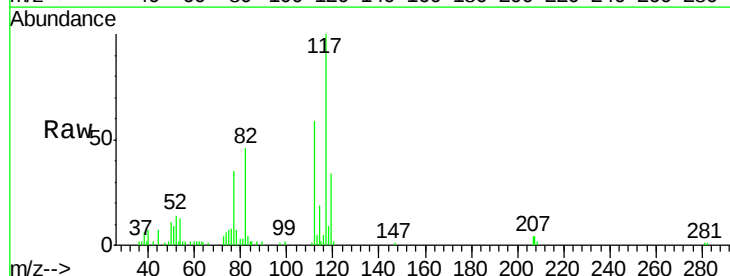
Instrument :
MSVOA_X
ClientSampleId :
LF012RW160-200602

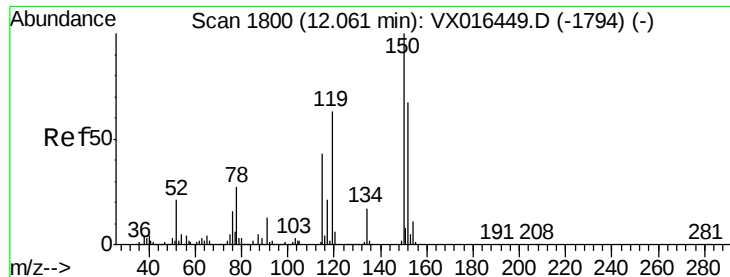
Tgt Ion:117 Resp: 341656
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.6
119 32.1 25.8 38.8



#65
Chlorobenzene
Concen: 0.79 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016612.D
Acq: 05 Jun 2020 15:32

Tgt Ion:112 Resp: 5505
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: VX016612.D

Acq: 05 Jun 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

LF012RW160-200602

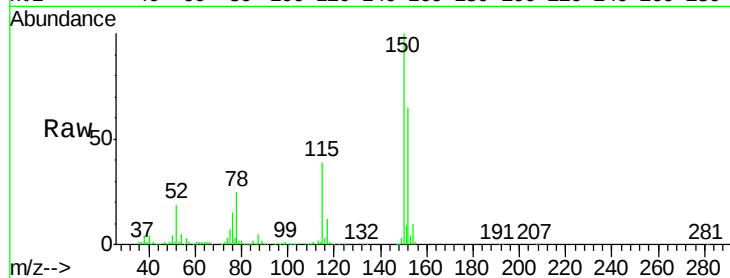
Tgt Ion: 152 Resp: 174516

Ion Ratio Lower Upper

152 100

115 58.2 39.9 119.6

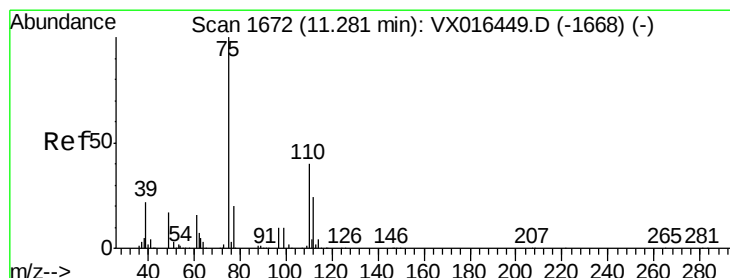
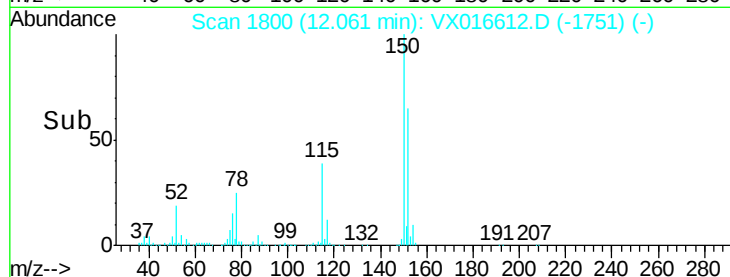
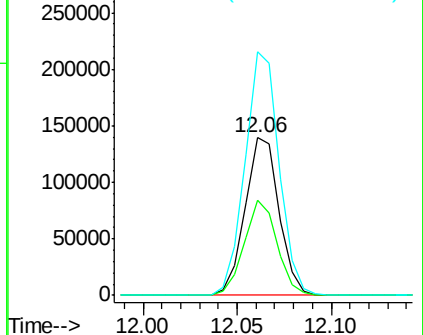
150 155.0 0.0 341.0



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



#76

1,2,3-Trichloropropane

Concen: 21.49 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016612.D

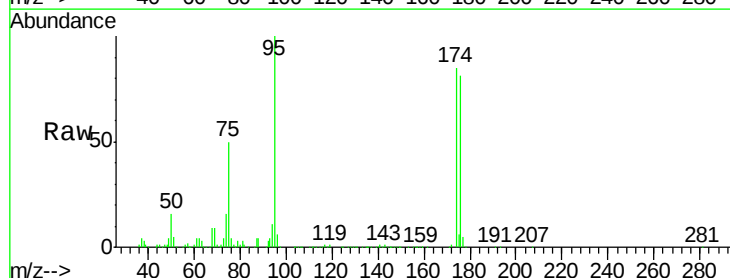
Acq: 05 Jun 2020 15:32

Tgt Ion: 75 Resp: 82448

Ion Ratio Lower Upper

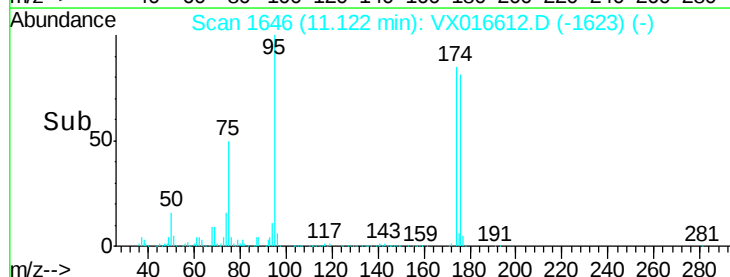
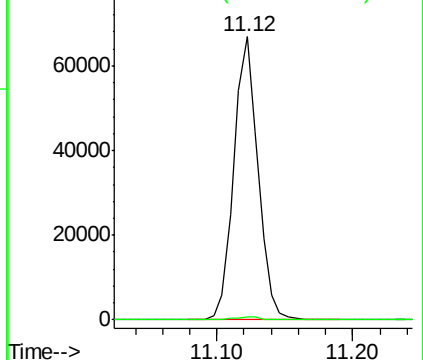
75 100

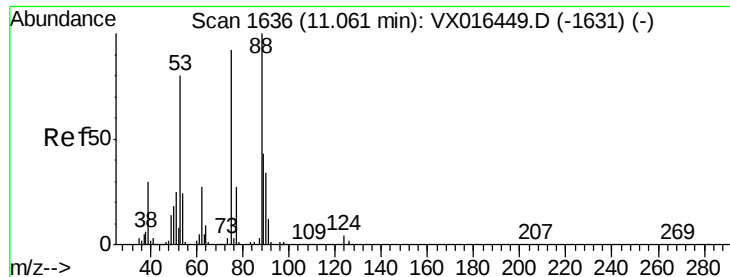
77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.87 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

LF012RW160-200602

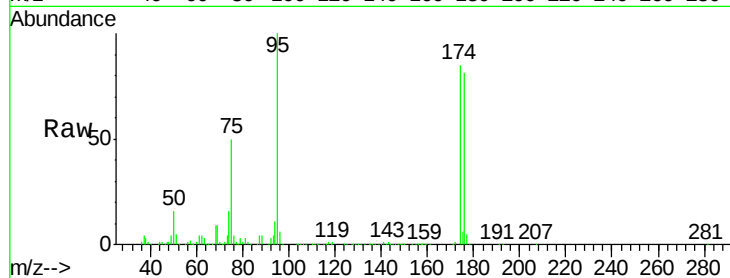
Tgt Ion: 75 Resp: 82448

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

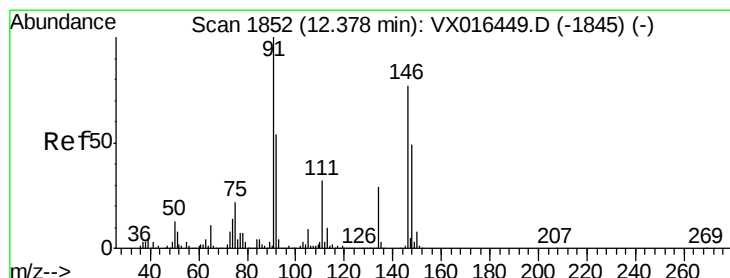
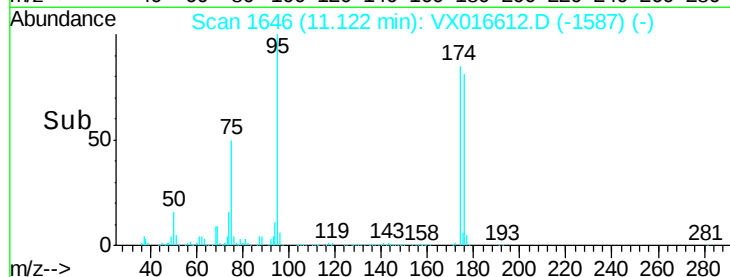
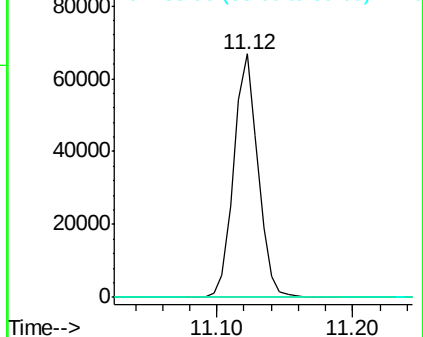
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#91

1,2-Dichlorobenzene

Concen: 0.27 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016612.D

Acq: 05 Jun 2020 15:32

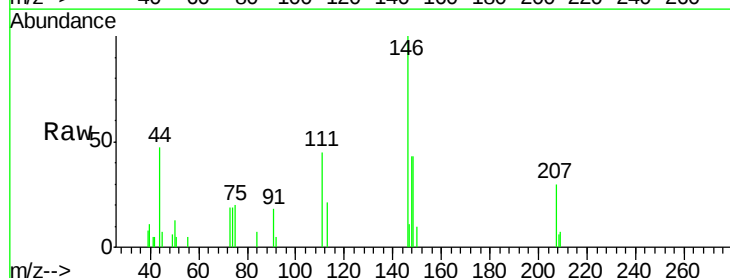
Tgt Ion: 146 Resp: 1411

Ion Ratio Lower Upper

146 100

111 44.4 21.4 64.3

148 77.2 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

