

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061020\
 Data File : VX016679.D
 Acq On : 10 Jun 2020 16:54
 Operator : JC/SP
 Sample : L2963-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW009-200609

Quant Time: Jun 11 03:02:52 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	223198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	353451	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	361533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187634	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	131840	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	5.47	113	109958	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	8.70	98	439087	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	11.12	95	177452	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	

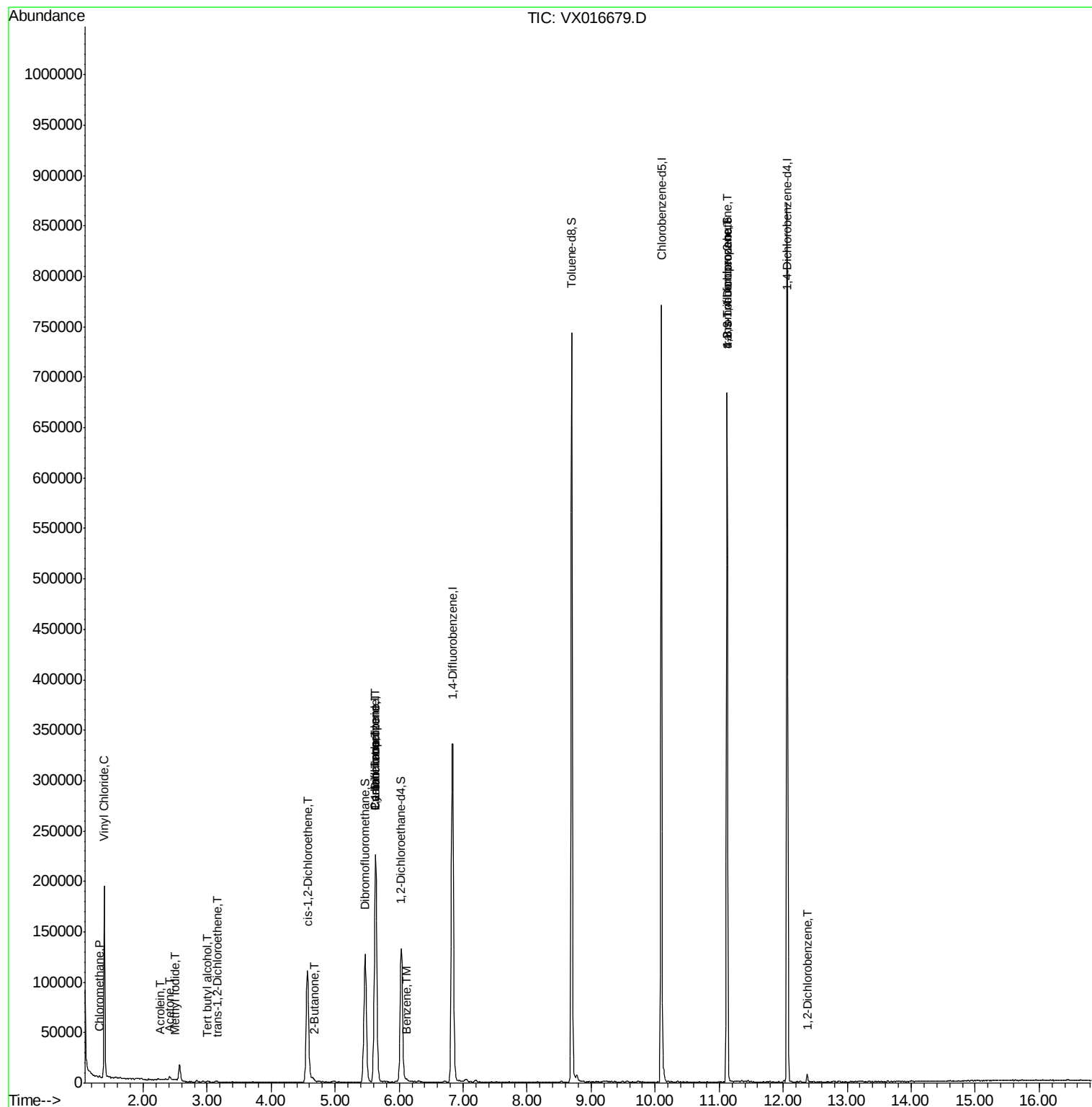
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1102	0.42	ug/l #	87
4) Vinyl Chloride	1.39	62	112026	39.91	ug/l	98
10) Methyl Iodide	2.51	142	151	3.11	ug/l #	40
11) Tert butyl alcohol	3.01	59	737	1.04	ug/l #	72
13) Acrolein	2.27	56	230	0.76	ug/l #	1
16) Acetone	2.42	43	3362	2.77	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	565	0.24	ug/l #	81
25) 2-Butanone	4.67	43	450	0.22	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	72417	26.35	ug/l	89
31) Cyclohexane	5.62	56	4170	1.08	ug/l #	7
36) 1,1-Dichloropropene	5.64	75	15729	4.70	ug/l #	51
38) Carbon Tetrachloride	5.63	117	21608	6.14	ug/l #	16
40) Benzene	6.12	78	2657	0.27	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	85646	20.77	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	85646	51.08	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	2370	0.41	ug/l	99

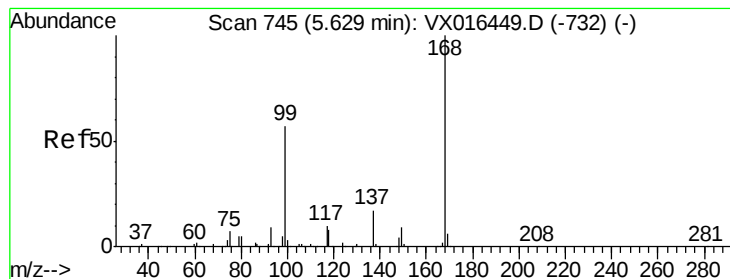
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

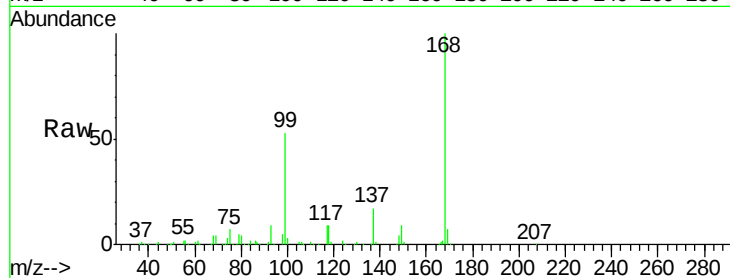
LF014MW009-200609

Tgt Ion:168 Resp: 223198

Ion Ratio Lower Upper

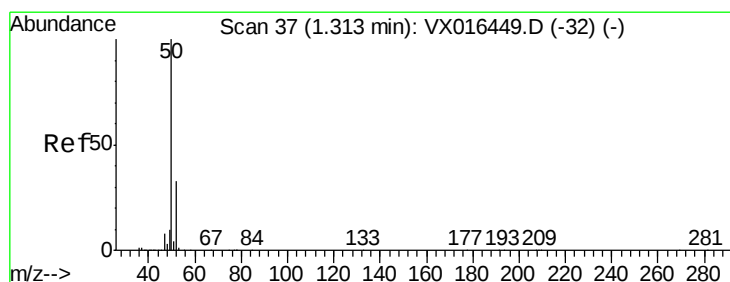
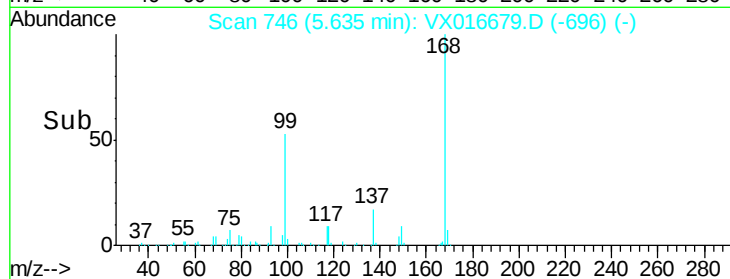
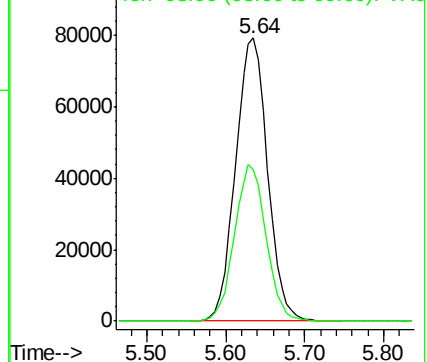
168 100

99 53.4 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: 0.42 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016679.D

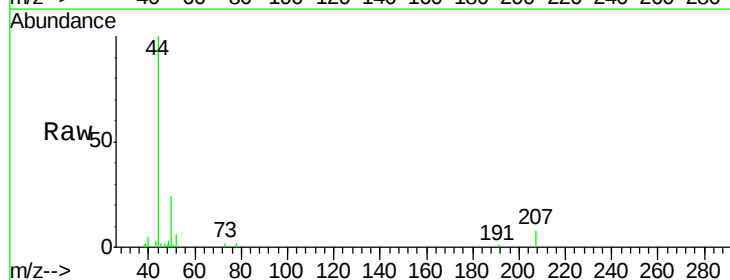
Acq: 10 Jun 2020 16:54

Tgt Ion: 50 Resp: 1102

Ion Ratio Lower Upper

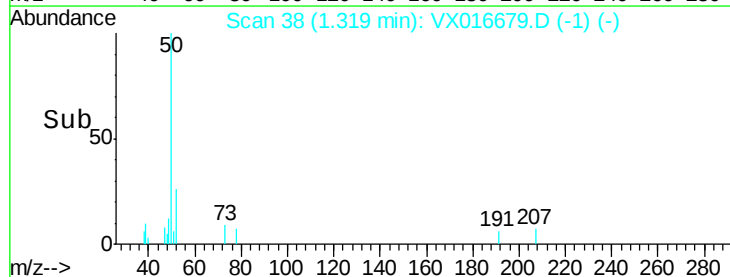
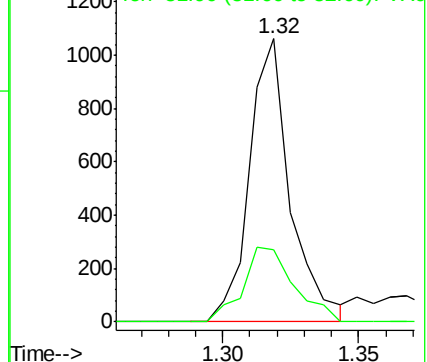
50 100

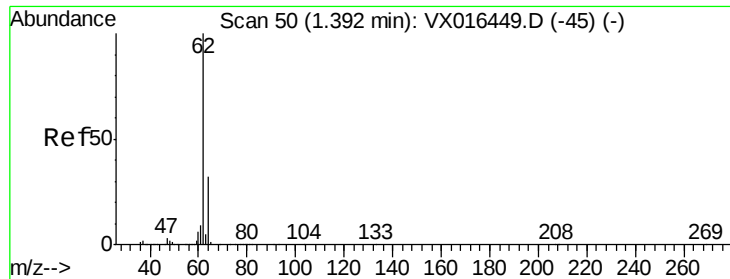
52 25.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 39.91 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

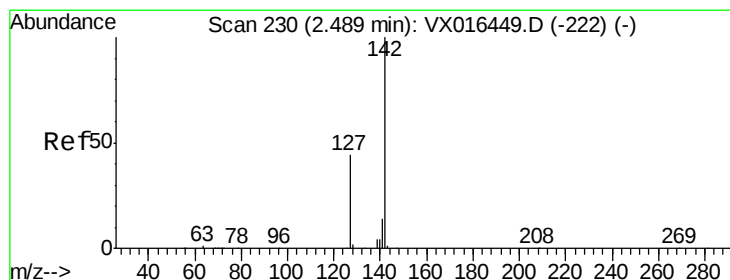
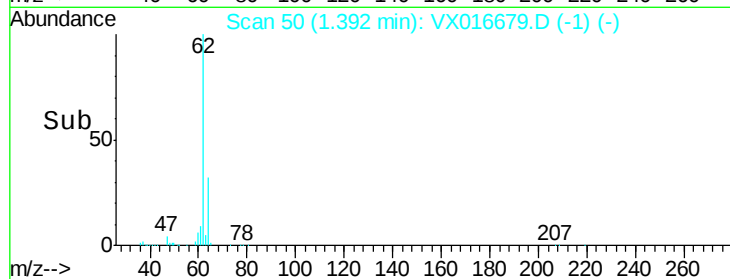
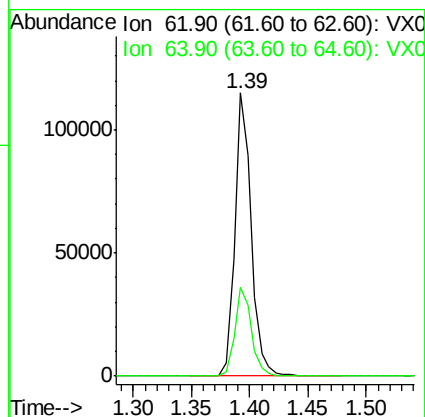
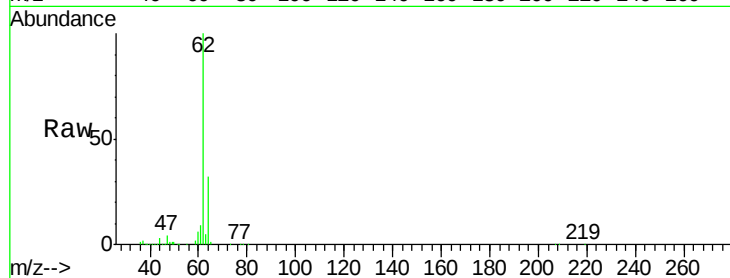
LF014MW009-200609

Tgt Ion: 62 Resp: 112026

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9



#10

Methyl Iodide

Concen: 3.11 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

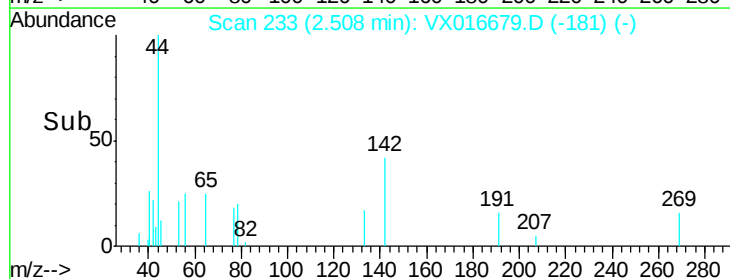
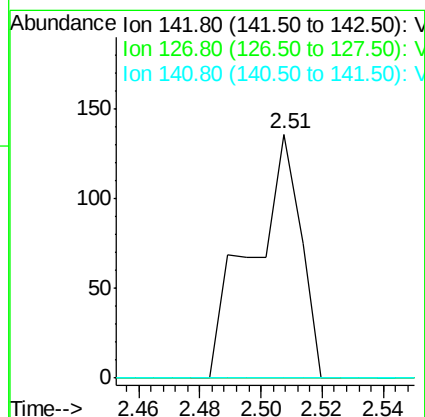
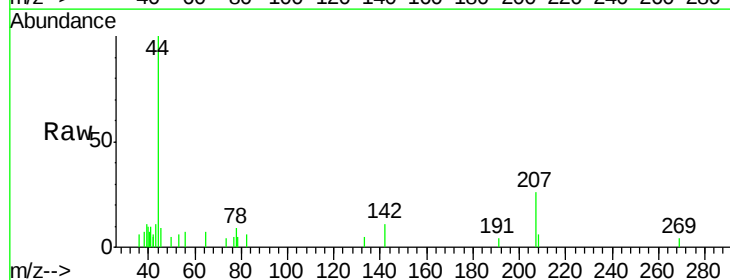
Tgt Ion: 142 Resp: 151

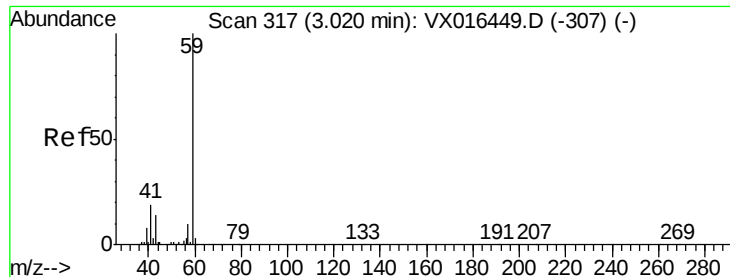
Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

141 0.0 11.4 17.2#



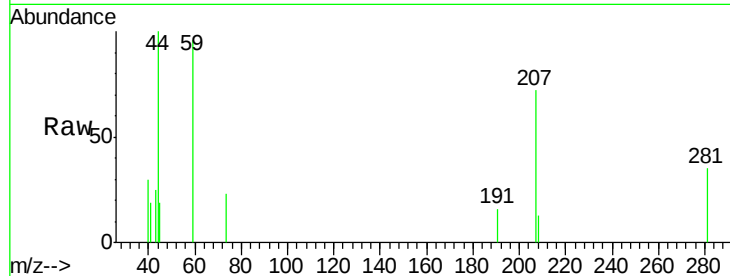


#11

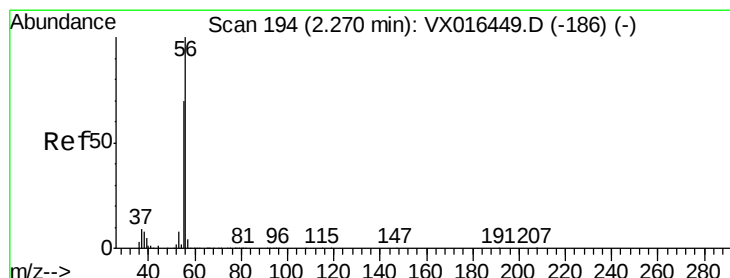
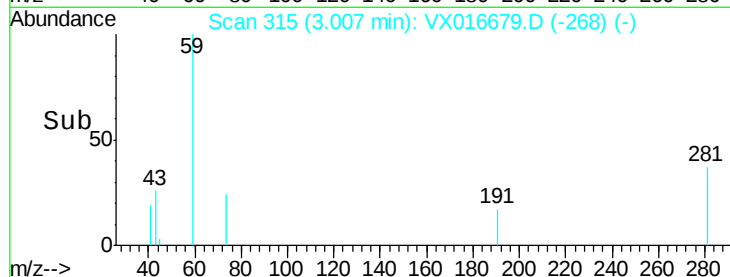
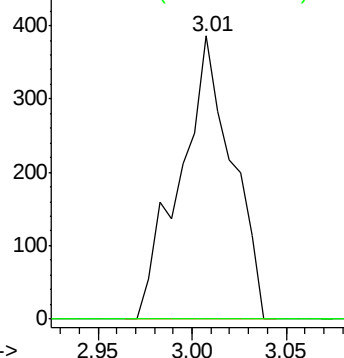
Tert butyl alcohol
Concen: 1.04 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016679.D
Acq: 10 Jun 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
LF014MW009-200609

Tgt Ion: 59 Resp: 737
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



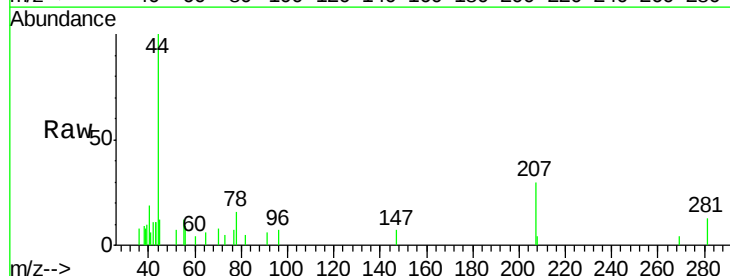
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



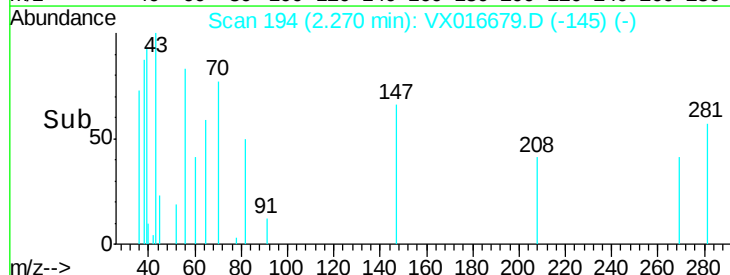
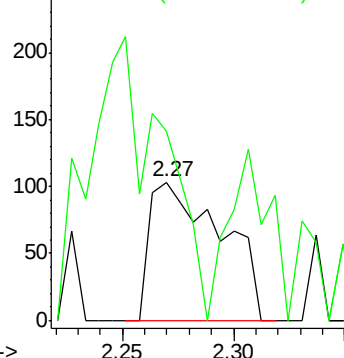
#13

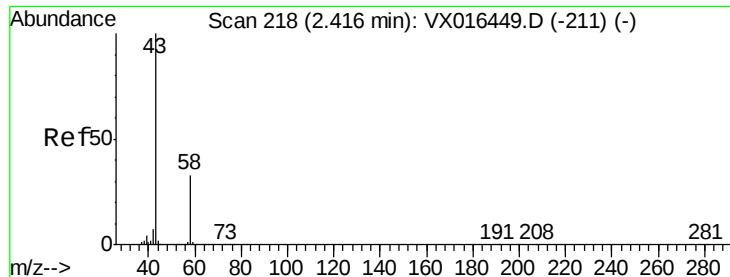
Acrolein
Concen: 0.76 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016679.D
Acq: 10 Jun 2020 16:54

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 211.3 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.77 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

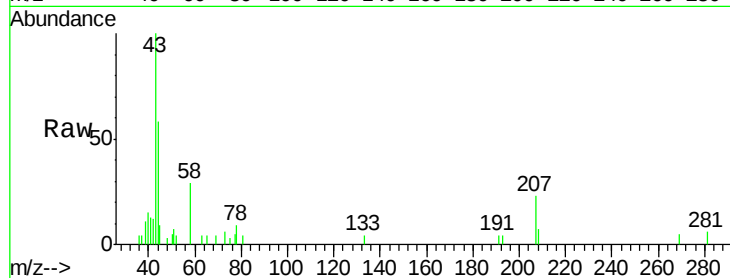
LF014MW009-200609

Tgt Ion: 43 Resp: 3362

Ion Ratio Lower Upper

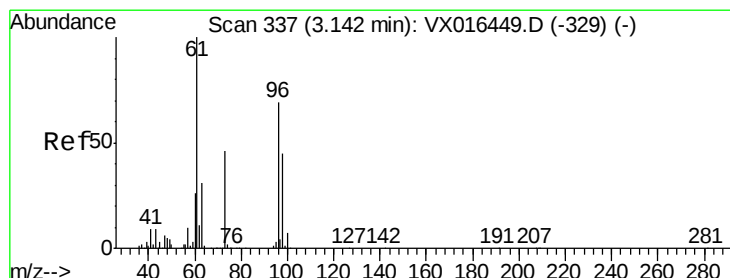
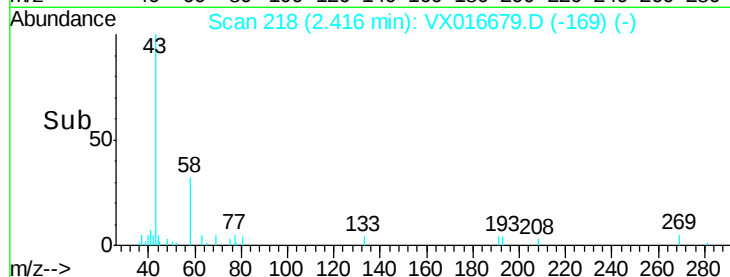
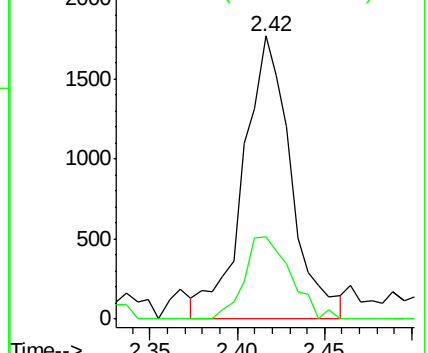
43 100

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



#21

trans-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

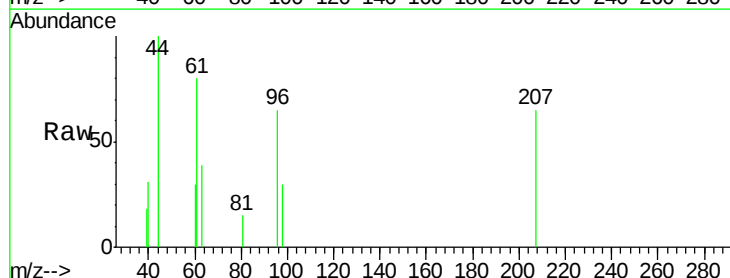
Tgt Ion: 96 Resp: 565

Ion Ratio Lower Upper

96 100

61 123.2 115.3 172.9

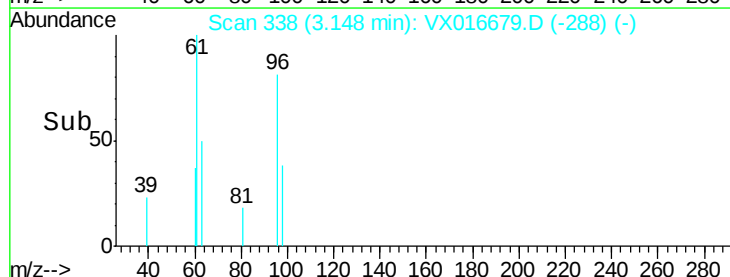
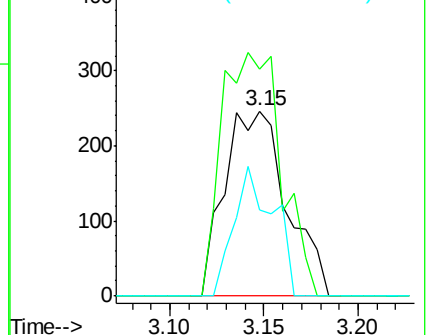
98 46.7 51.9 77.9#

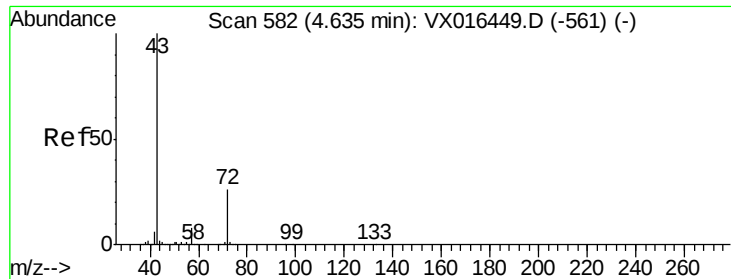


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.67 min Scan# 588

Delta R.T. 0.04 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

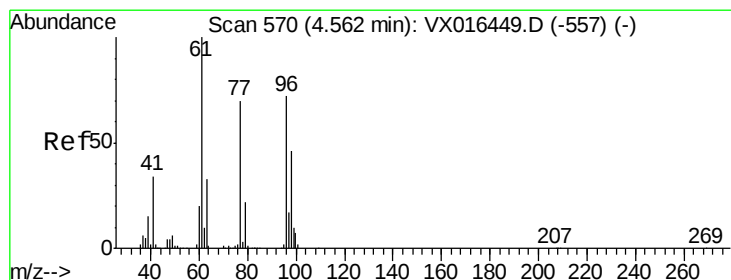
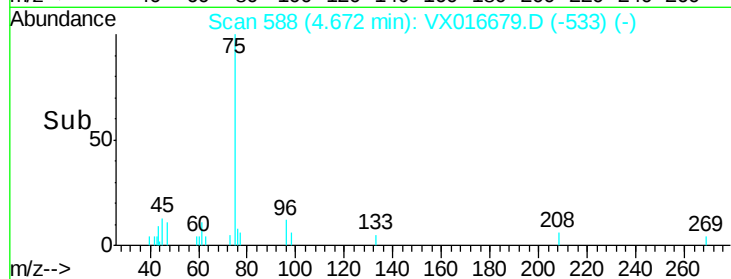
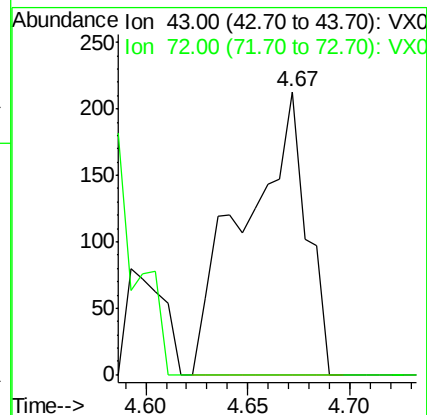
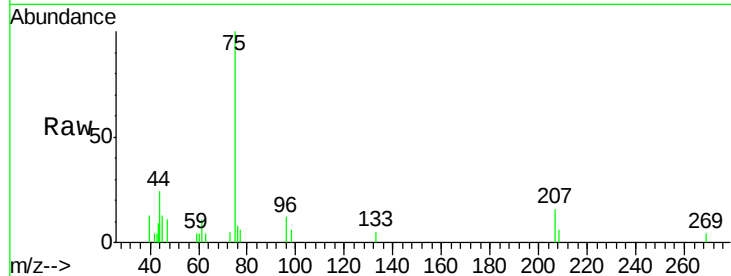
LF014MW009-200609

Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#27

cis-1,2-Dichloroethene

Concen: 26.35 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

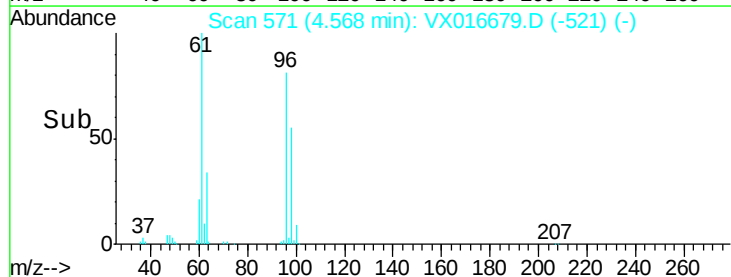
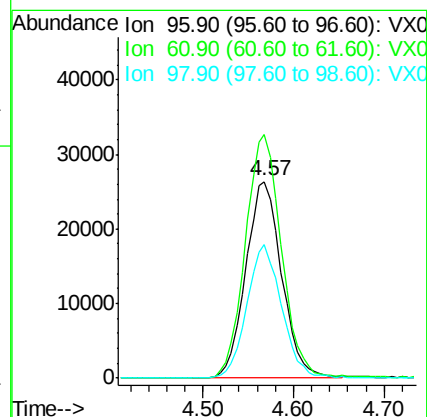
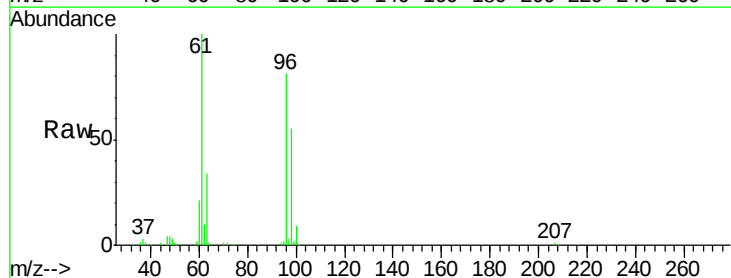
Tgt Ion: 96 Resp: 72417

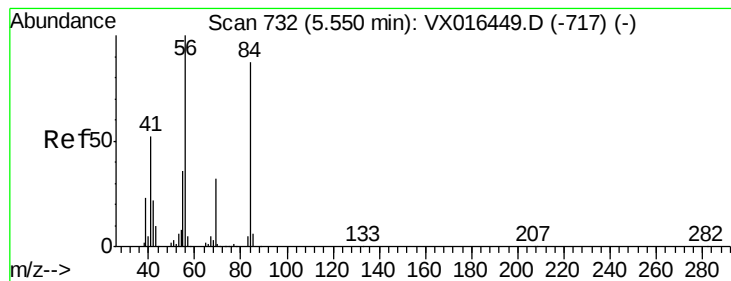
Ion Ratio Lower Upper

96 100

61 124.4 0.0 284.6

98 65.5 0.0 127.2





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016679.D

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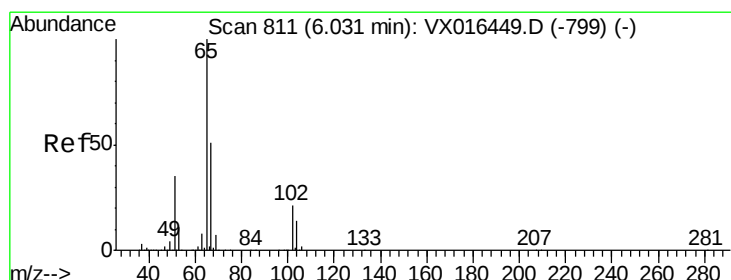
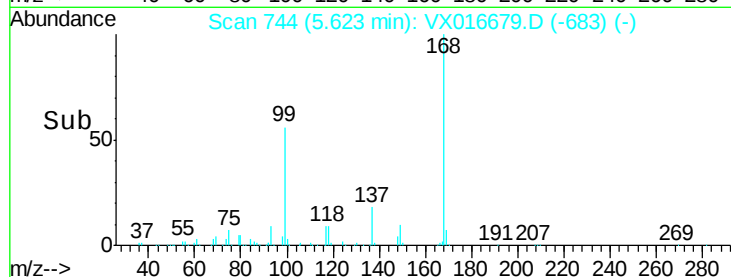
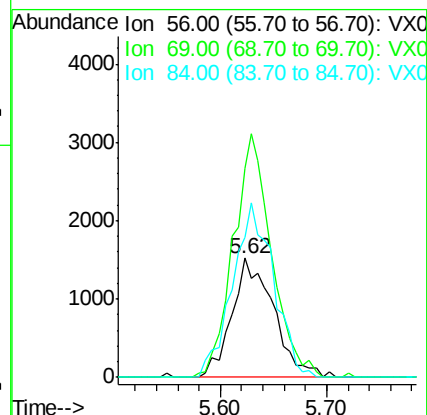
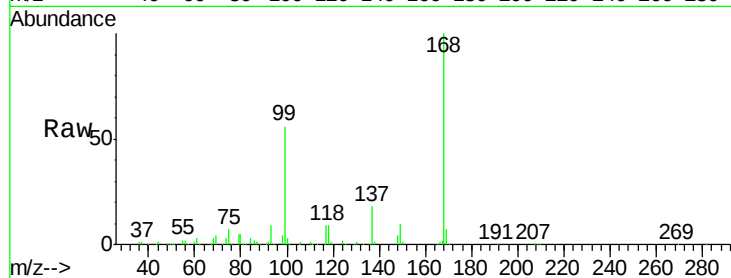
Tgt Ion: 56 Resp: 4170

Ion Ratio Lower Upper

56 100

69 175.9 25.7 38.5#

84 117.2 70.0 105.0#



#33

1,2-Dichloroethane-d4

Concen: 47.56 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016679.D

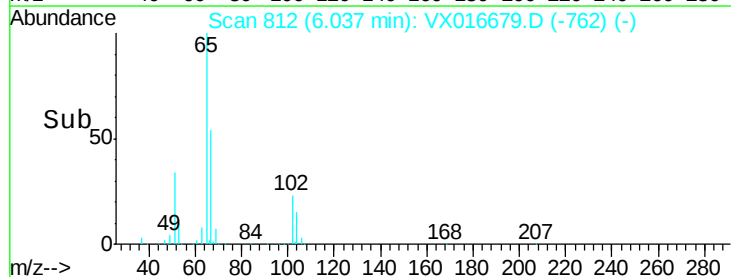
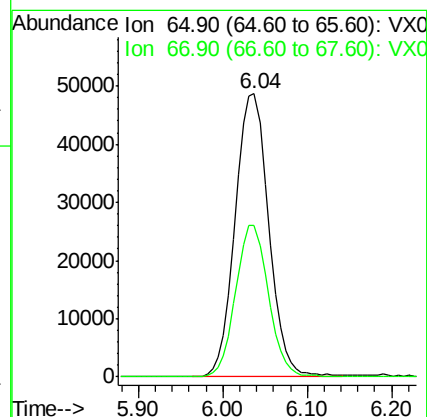
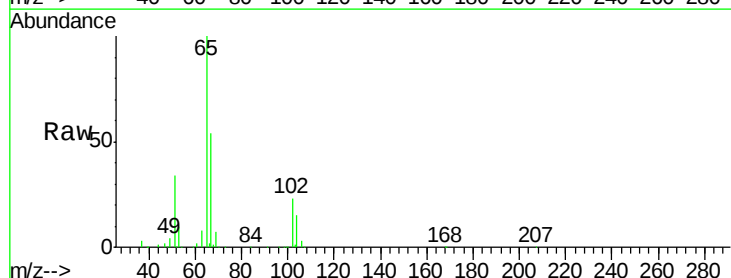
Acq: 10 Jun 2020 16:54

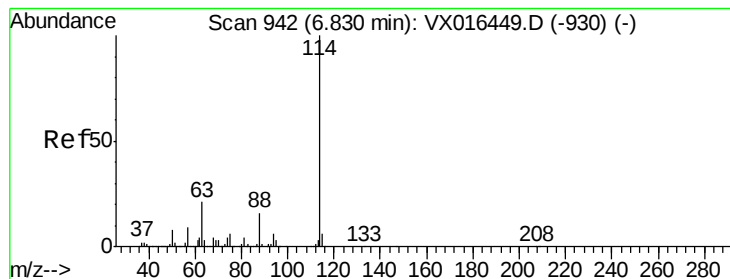
Tgt Ion: 65 Resp: 131840

Ion Ratio Lower Upper

65 100

67 52.5 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: VX016679.D

Acq: 10 Jun 2020 16:54

Instrument :

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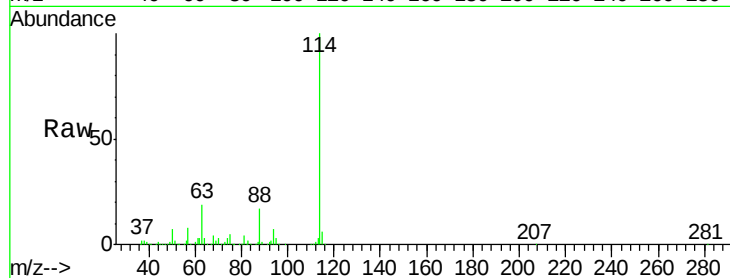
Tgt Ion:114 Resp: 353451

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

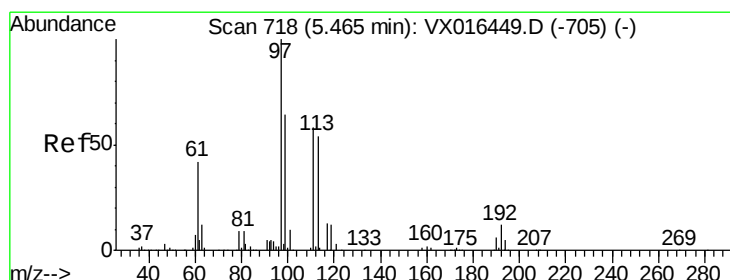
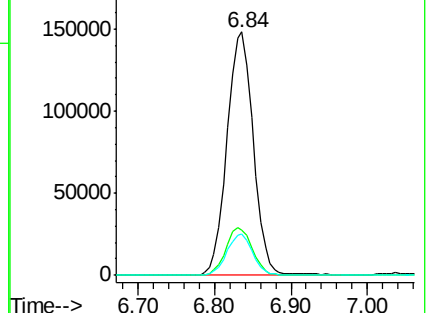
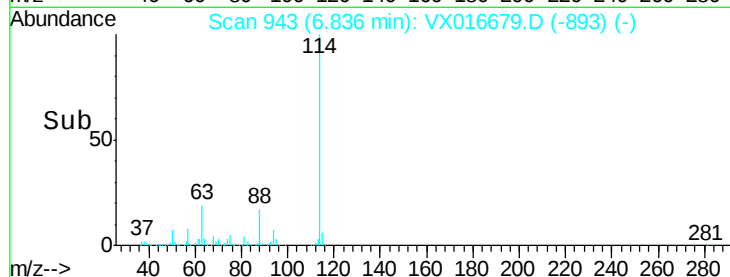
88 17.0 0.0 32.8



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: 50.52 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

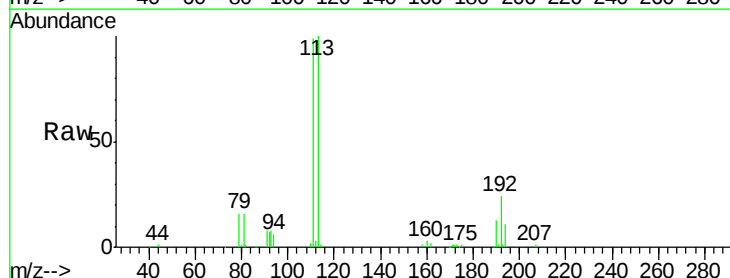
Tgt Ion:113 Resp: 109958

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.6

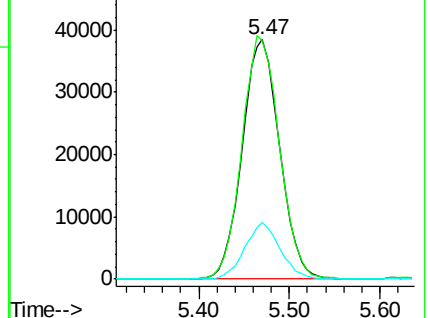
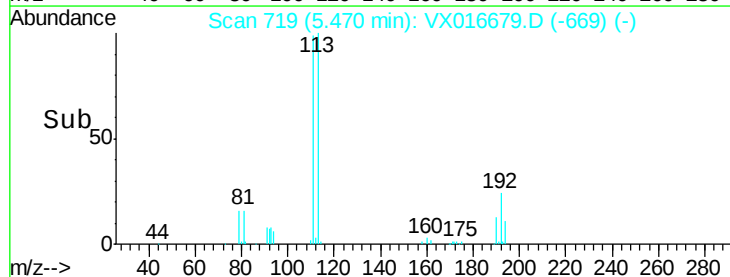
192 22.2 17.7 26.5

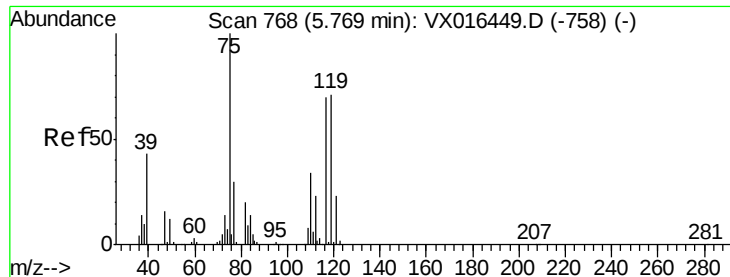


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

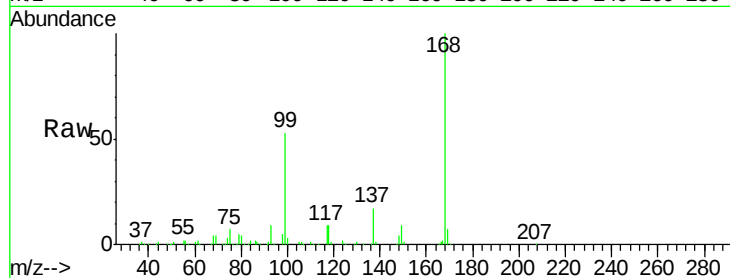




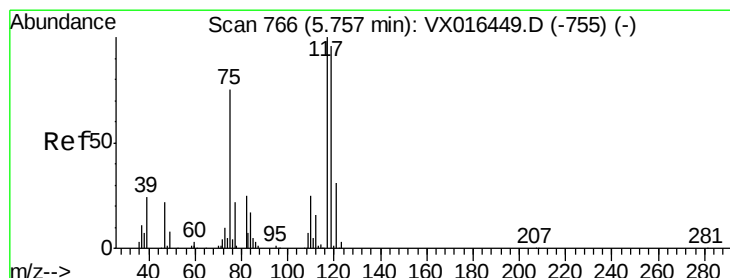
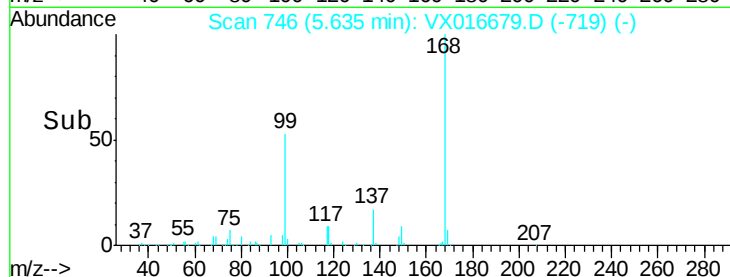
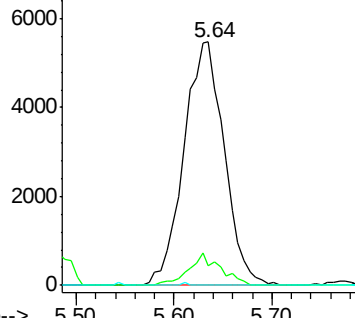
#36
 1,1-Dichloropropene
 Concen: 4.70 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016679.D
 Acq: 10 Jun 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW009-200609

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.4	52.3#
77	0.0	24.2	36.4#

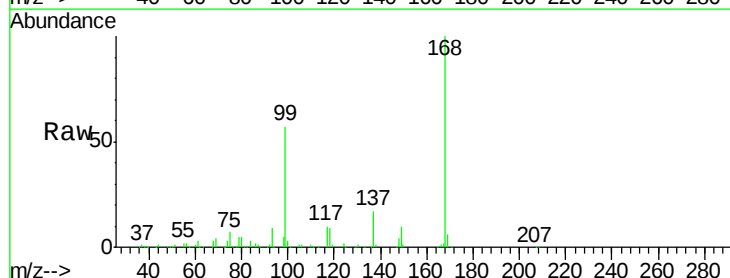


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

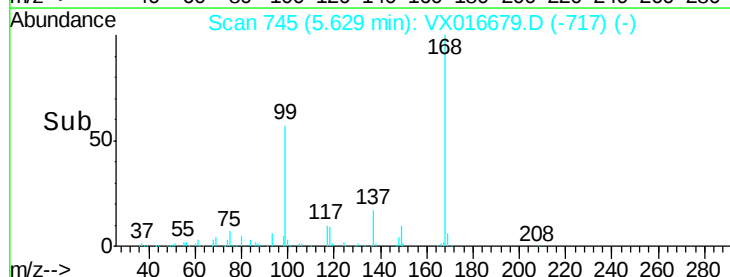
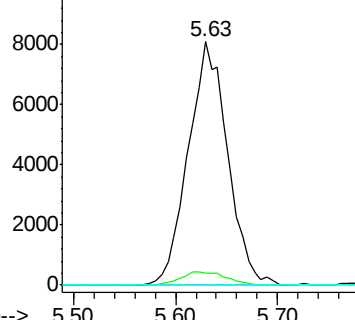


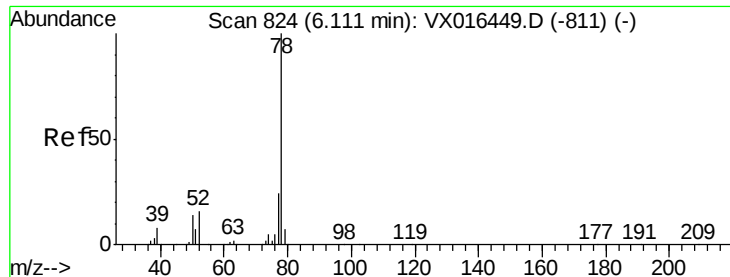
#38
 Carbon Tetrachloride
 Concen: 6.14 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016679.D
 Acq: 10 Jun 2020 16:54

Tgt 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





#40

Benzene

Concen: 0.27 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

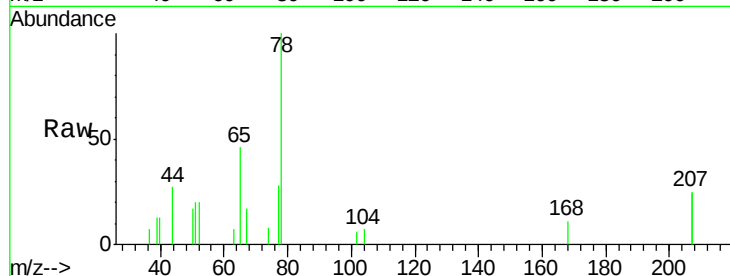
LF014MW009-200609

Tgt Ion: 78 Resp: 2657

Ion Ratio Lower Upper

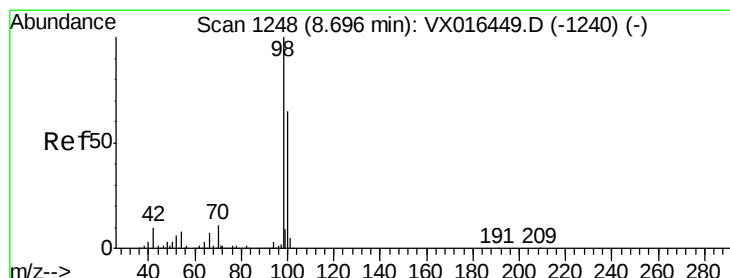
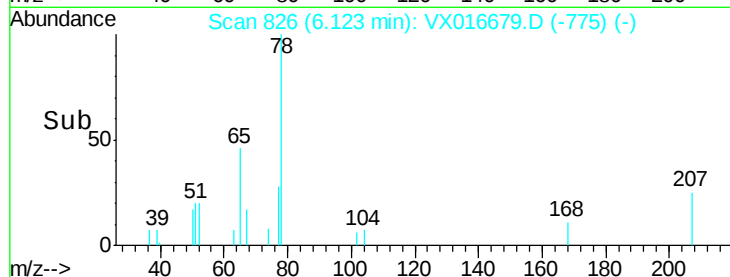
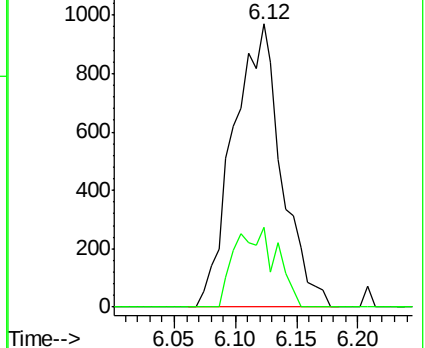
78 100

77 28.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.84 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016679.D

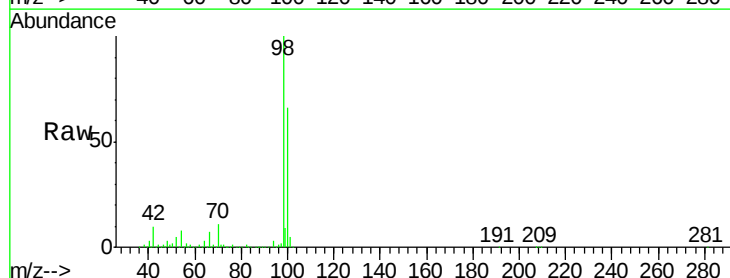
Acq: 10 Jun 2020 16:54

Tgt Ion: 98 Resp: 439087

Ion Ratio Lower Upper

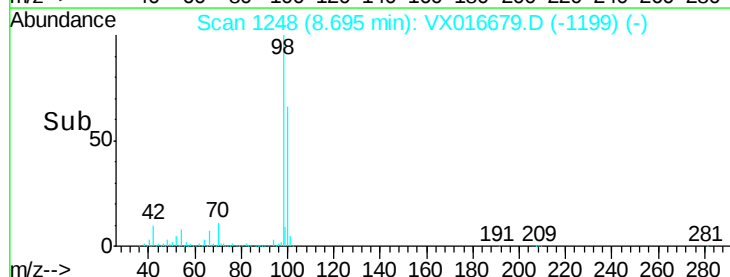
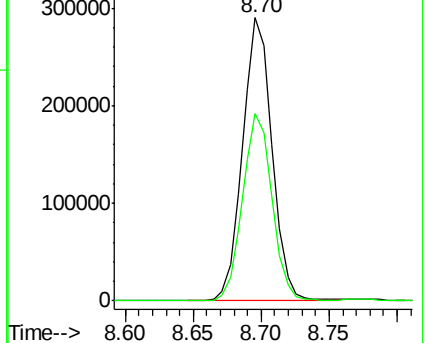
98 100

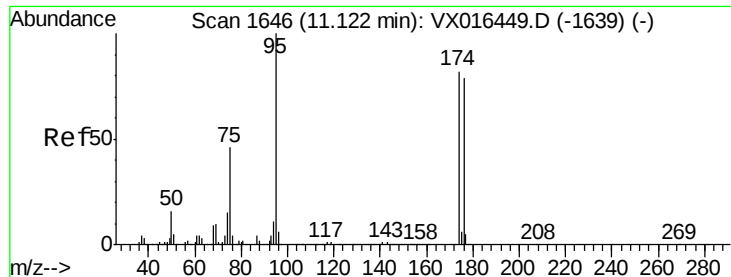
100 66.2 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.21 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

LF014MW009-200609

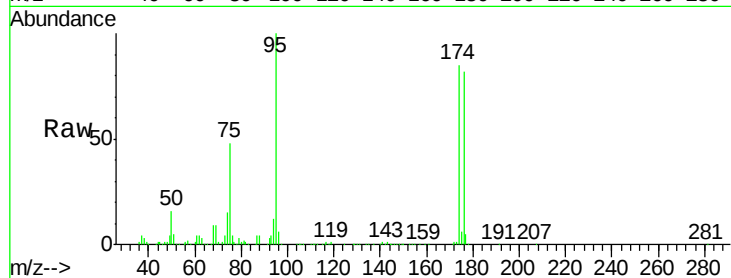
Tgt Ion: 95 Resp: 177452

Ion Ratio Lower Upper

95 100

174 86.0 0.0 163.0

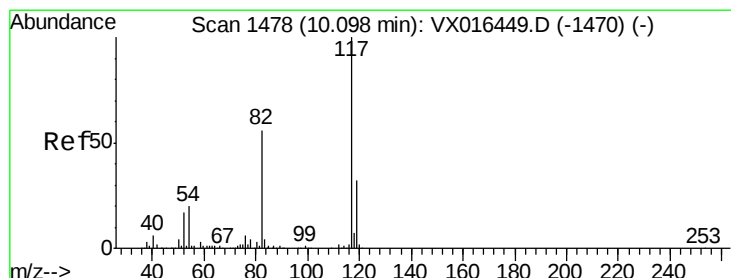
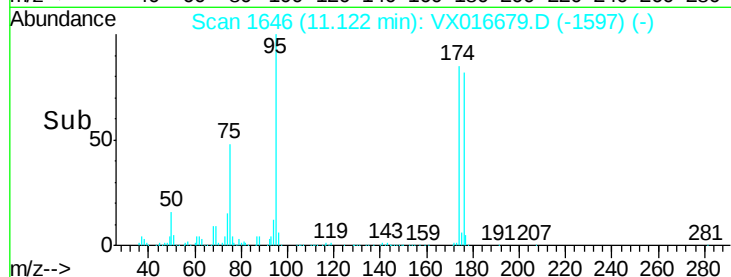
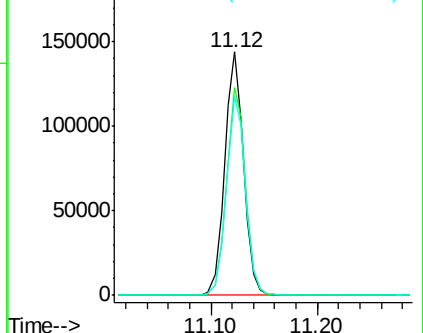
176 82.8 0.0 156.8



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: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

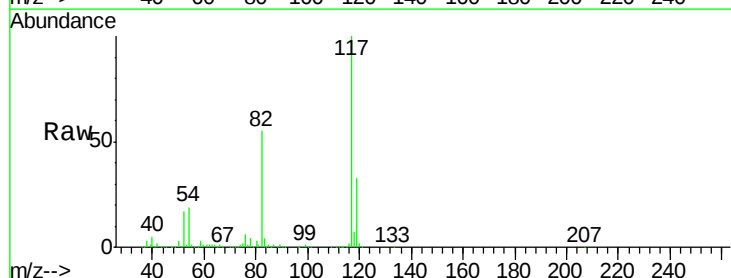
Tgt Ion: 117 Resp: 361533

Ion Ratio Lower Upper

117 100

82 54.8 45.0 67.6

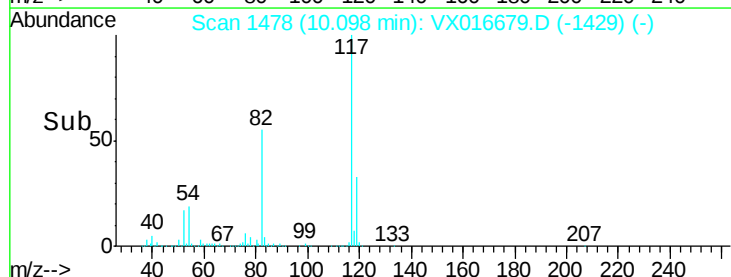
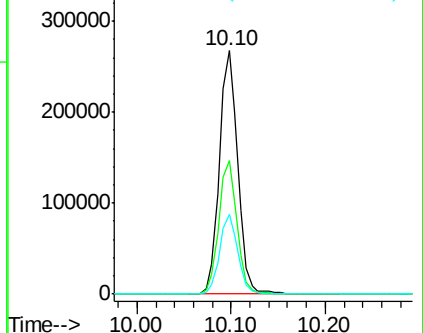
119 32.5 25.8 38.8

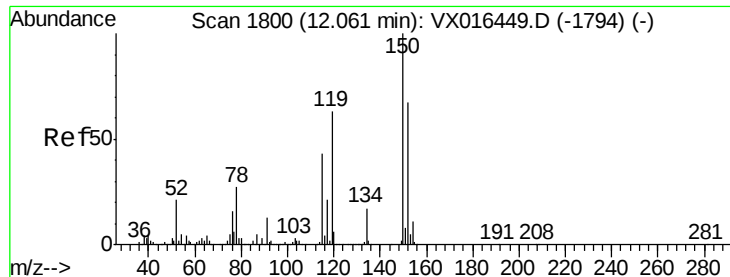


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

LF014MW009-200609

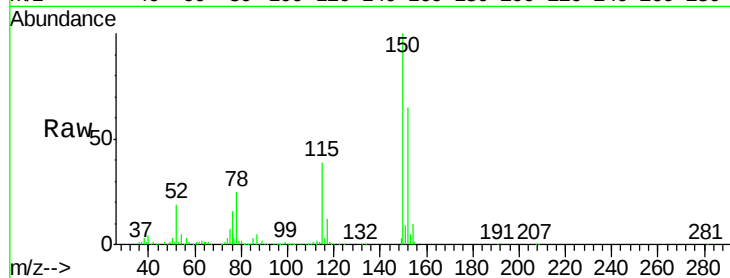
Tgt Ion: 152 Resp: 187634

Ion Ratio Lower Upper

152 100

115 58.4 39.9 119.6

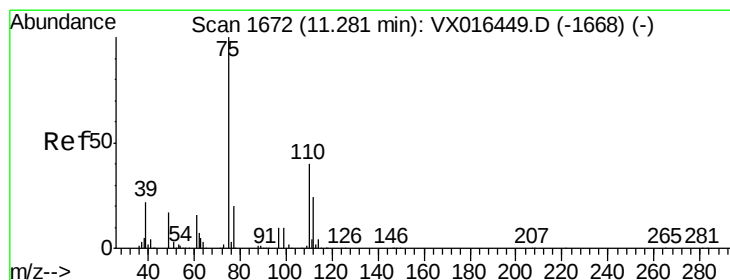
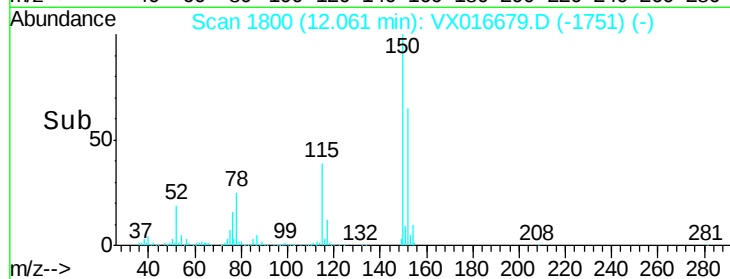
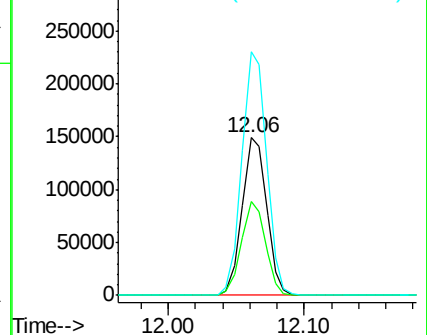
150 155.4 0.0 341.0



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: 20.77 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016679.D

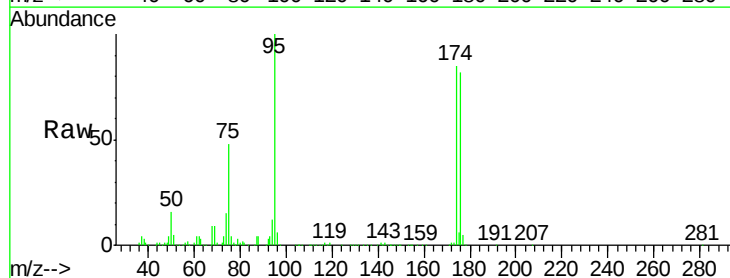
Acq: 10 Jun 2020 16:54

Tgt Ion: 75 Resp: 85646

Ion Ratio Lower Upper

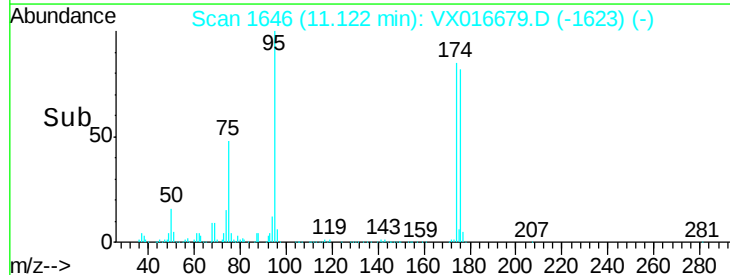
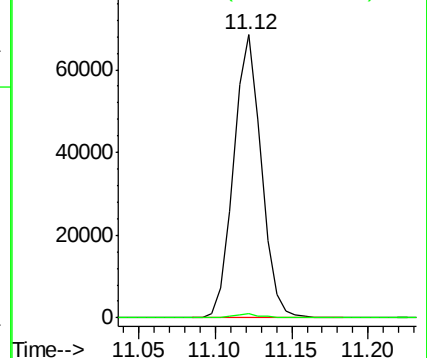
75 100

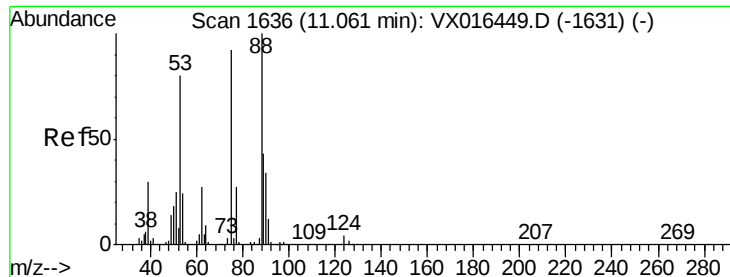
77 1.6 21.3 63.7#



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: 51.08 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

LF014MW009-200609

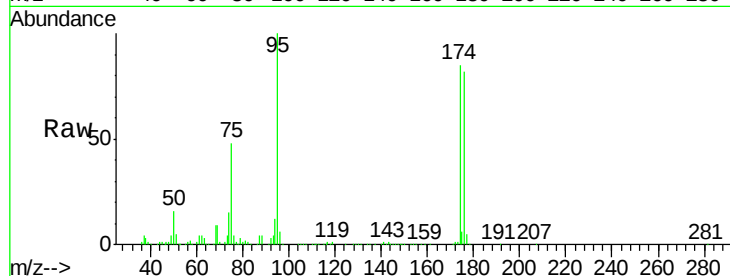
Tgt Ion: 75 Resp: 85646

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

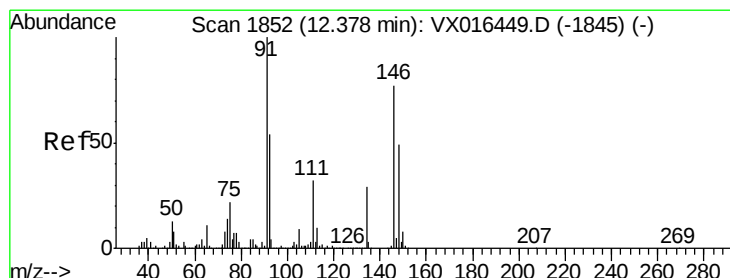
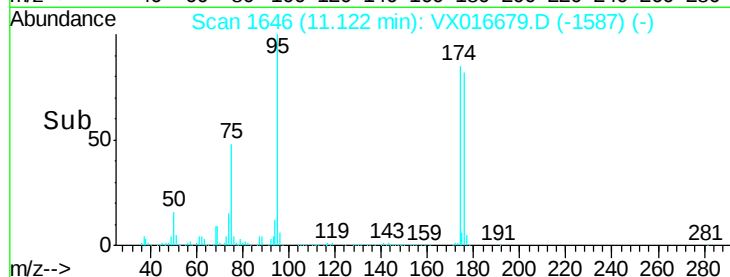
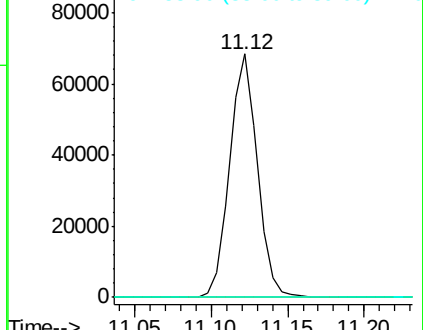
89 0.0 36.6 55.0#



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: 0.41 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016679.D

Acq: 10 Jun 2020 16:54

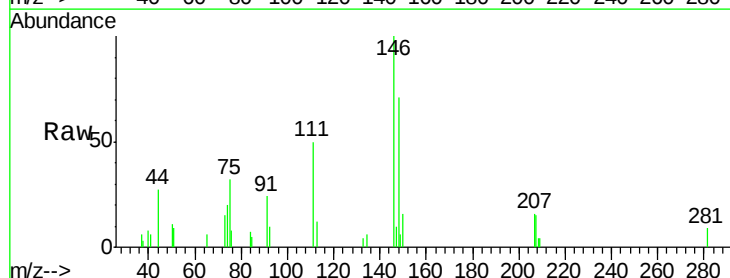
Tgt Ion: 146 Resp: 2370

Ion Ratio Lower Upper

146 100

111 42.7 21.4 64.3

148 63.2 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

