

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060520\
 Data File : VX016611.D
 Acq On : 05 Jun 2020 15:09
 Operator : JC/SP
 Sample : L2894-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012RW043-200602

Quant Time: Jun 06 06:01:03 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	227492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	370152	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	371429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	190037	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	138365	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.47	113	113701	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	8.70	98	454125	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.12	95	181170	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	

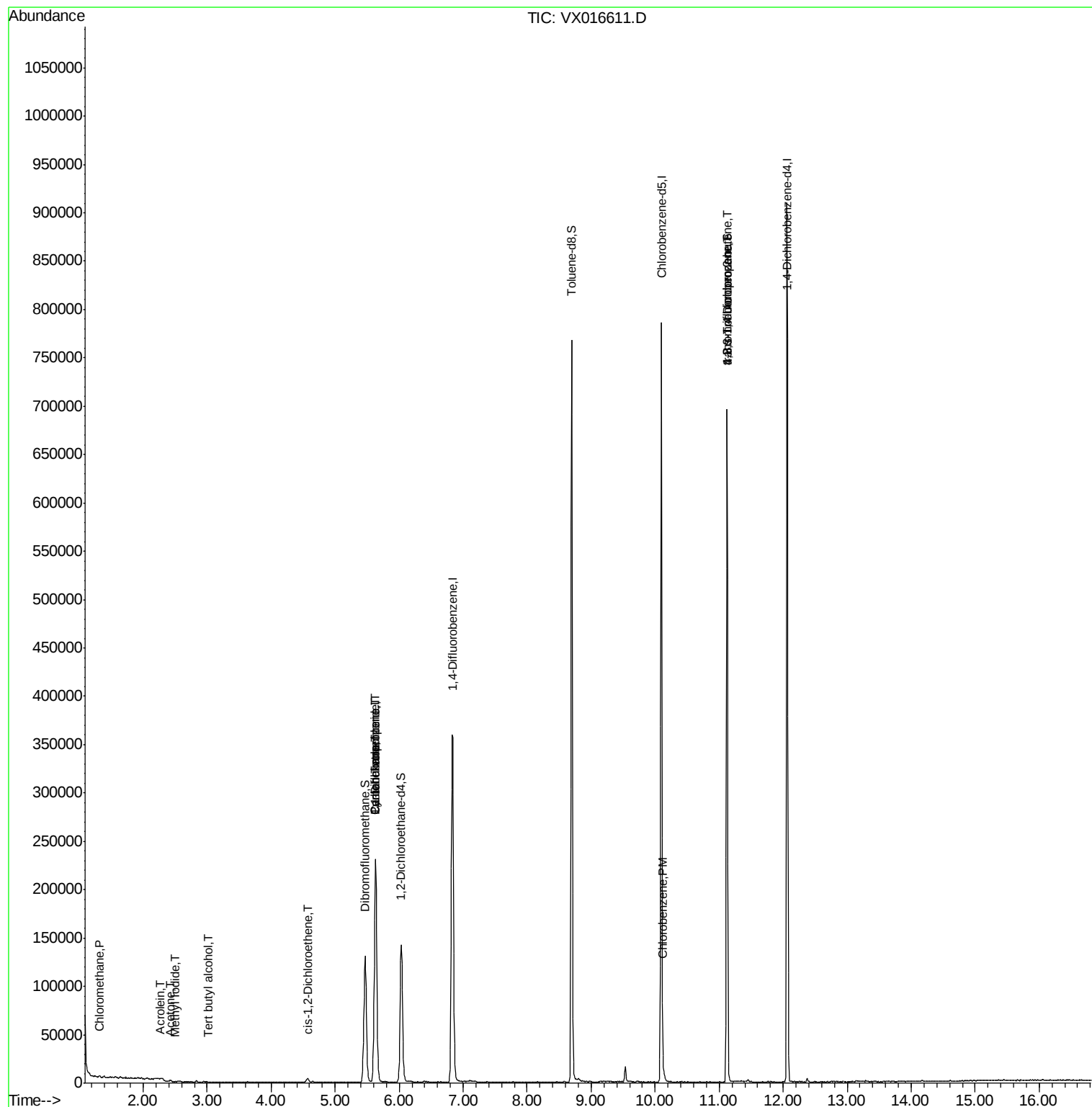
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	949	0.35	ug/l	94
10) Methyl Iodide	2.50	142	34	3.07	ug/l #	40
11) Tert butyl alcohol	3.02	59	176	0.24	ug/l #	72
13) Acrolein	2.27	56	143	0.46	ug/l #	13
16) Acetone	2.42	43	1239	1.00	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	2692	0.96	ug/l	89
31) Cyclohexane	5.63	56	4028	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	15307	4.37	ug/l #	51
38) Carbon Tetrachloride	5.62	117	21638	5.88	ug/l #	17
65) Chlorobenzene	10.12	112	3593	0.47	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	89434	21.41	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	89434	52.67	ug/l #	14

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

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

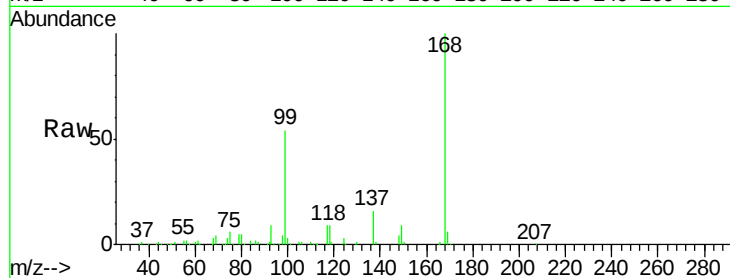
LF012RW043-200602

Tgt Ion:168 Resp: 227492

Ion Ratio Lower Upper

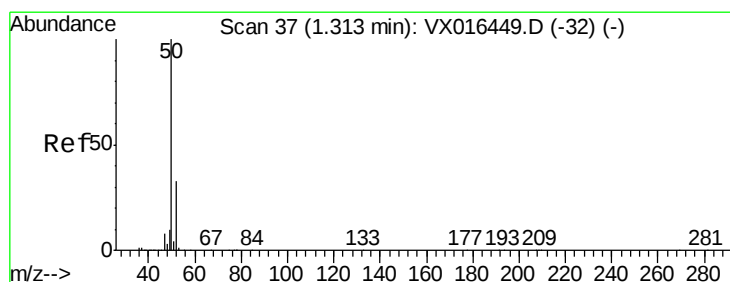
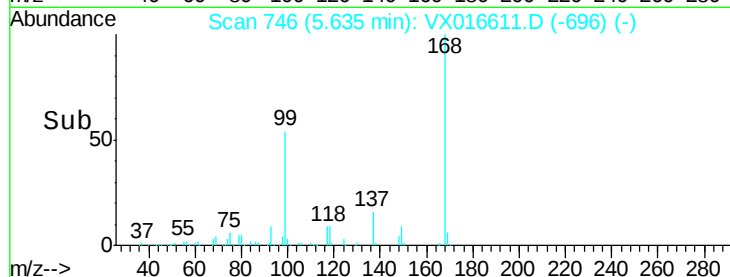
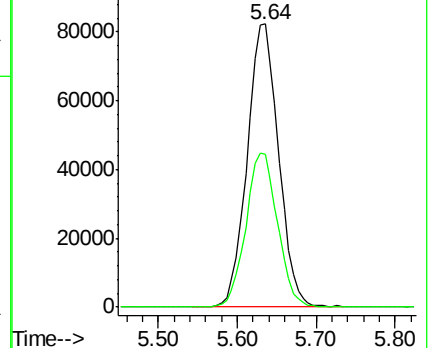
168 100

99 54.0 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: 0.35 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016611.D

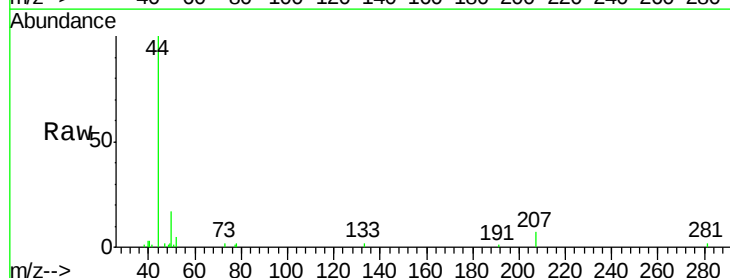
Acq: 05 Jun 2020 15:09

Tgt Ion: 50 Resp: 949

Ion Ratio Lower Upper

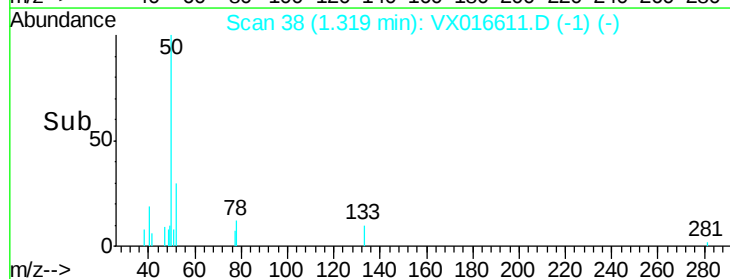
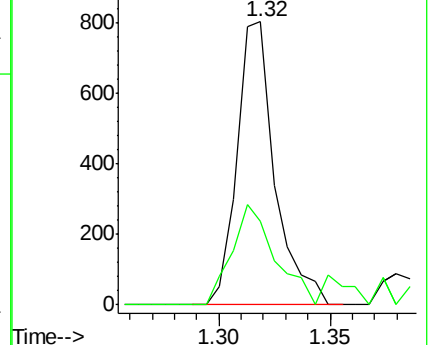
50 100

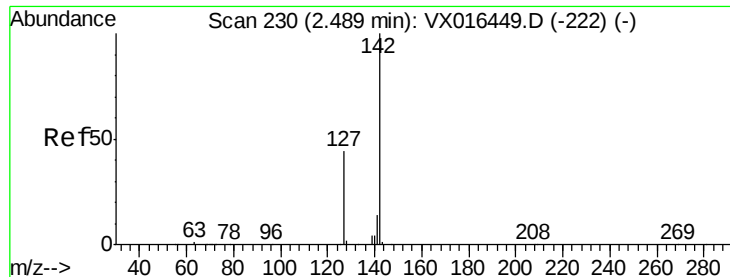
52 29.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

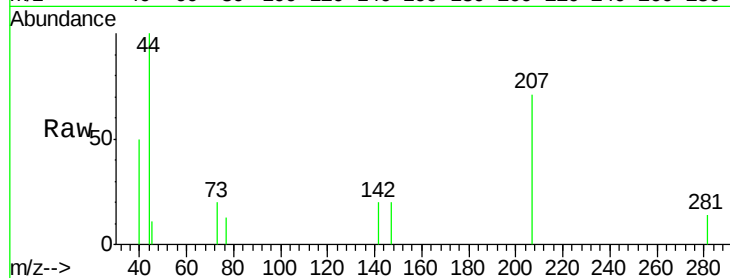




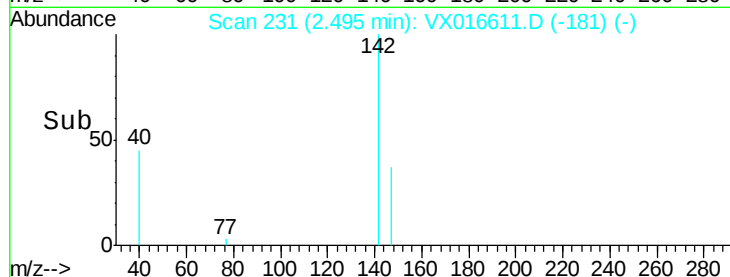
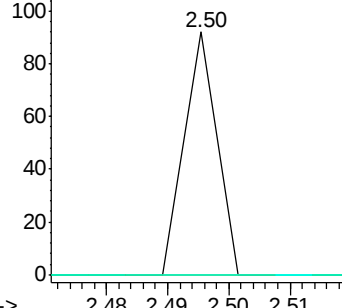
#10
Methyl Iodide
Concen: 3.07 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016611.D
Acq: 05 Jun 2020 15:09

Instrument :
MSVOA_X
ClientSampleId :
LF012RW043-200602

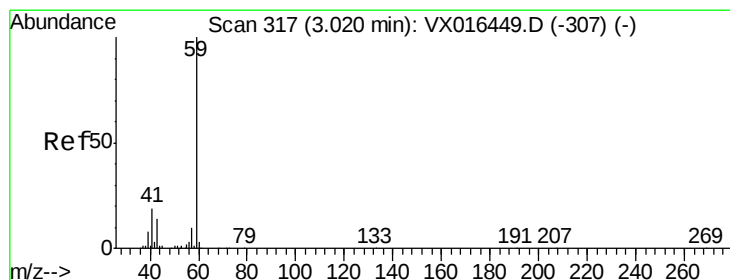
Tgt Ion: 142 Resp: 34
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#



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

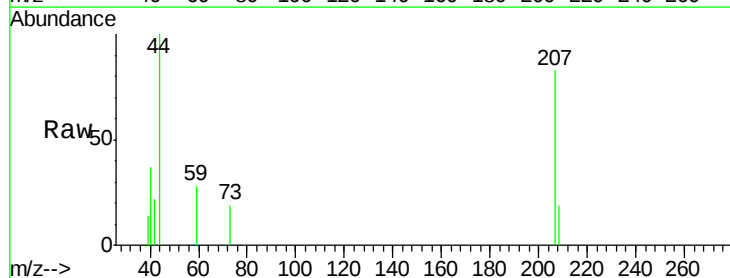


Time-->

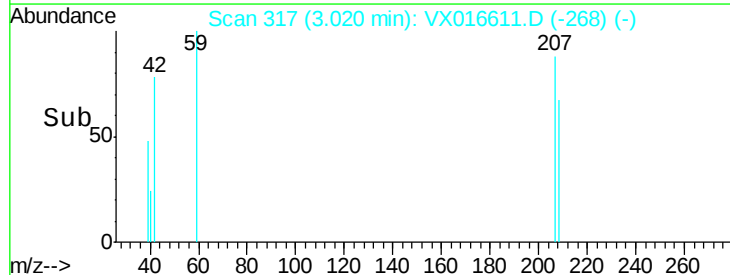
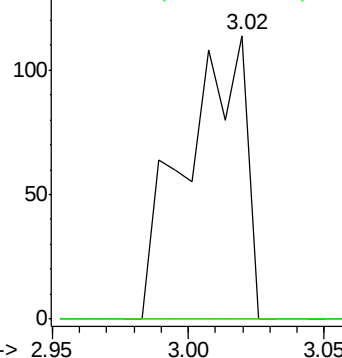


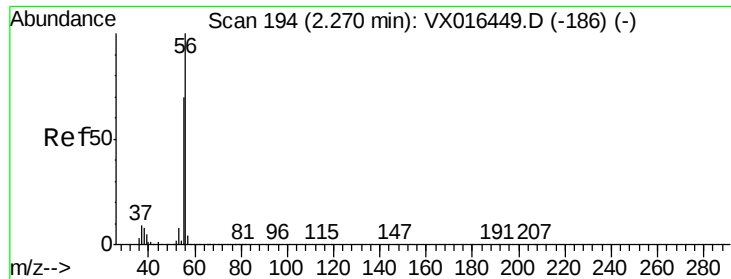
#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016611.D
Acq: 05 Jun 2020 15:09

Tgt Ion: 59 Resp: 176
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: 0.46 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

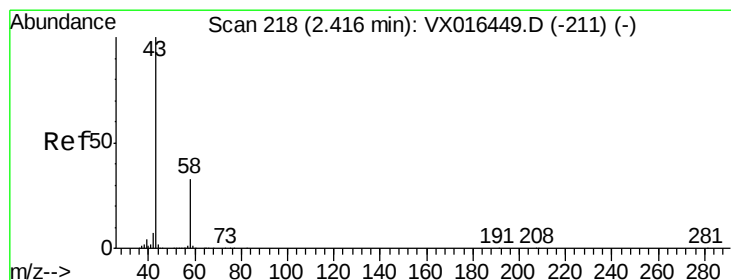
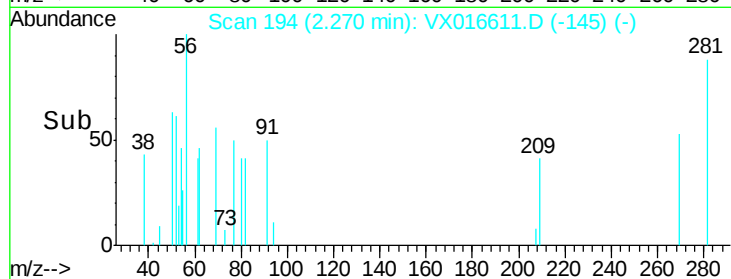
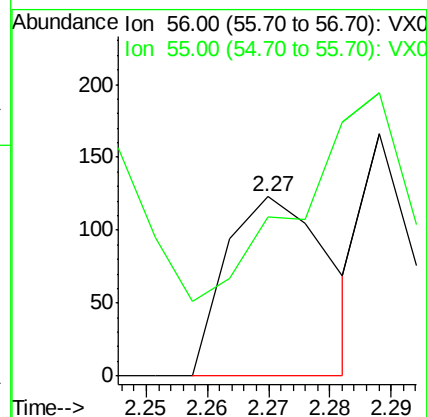
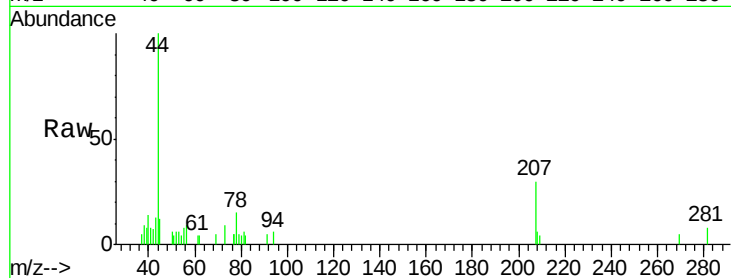
LF012RW043-200602

Tgt Ion: 56 Resp: 143

Ion Ratio Lower Upper

56 100

55 0.0 58.3 87.5#



#16

Acetone

Concen: 1.00 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016611.D

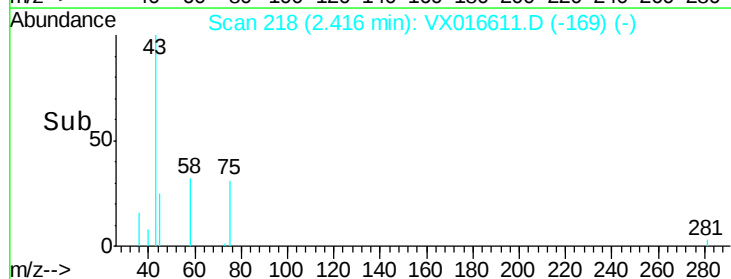
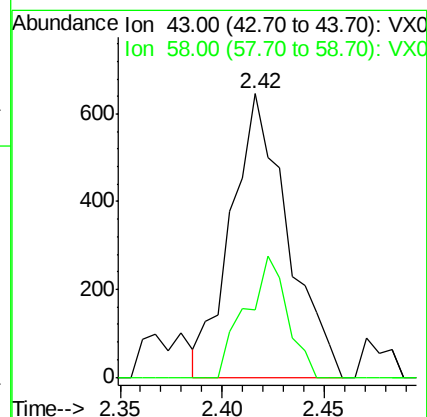
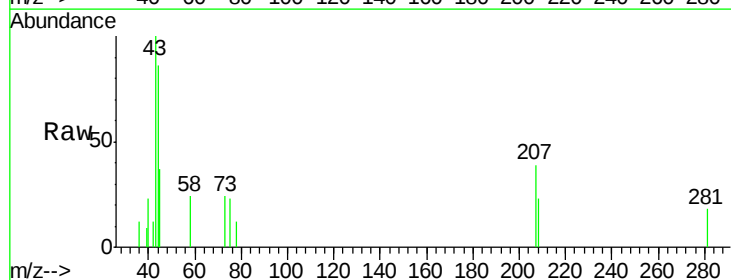
Acq: 05 Jun 2020 15:09

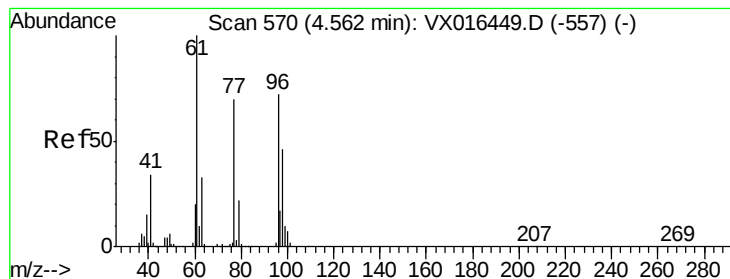
Tgt Ion: 43 Resp: 1239

Ion Ratio Lower Upper

43 100

58 23.5 26.1 39.1#





#27

cis-1,2-Dichloroethene

Concen: 0.96 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

LF012RW043-200602

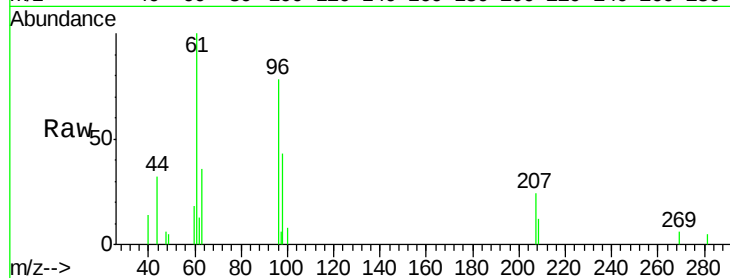
Tgt Ion: 96 Resp: 2692

Ion Ratio Lower Upper

96 100

61 122.5 0.0 284.6

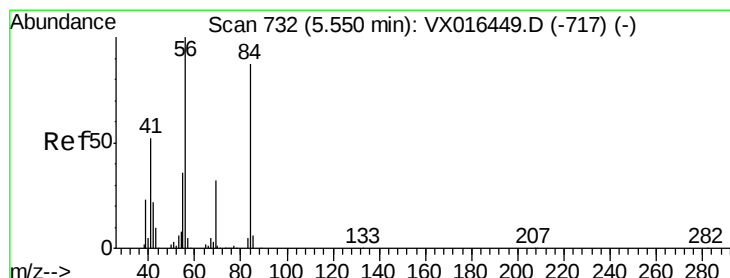
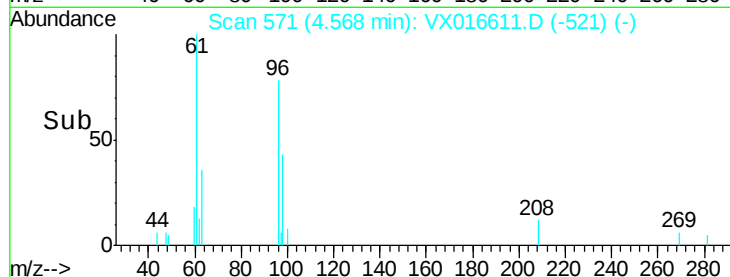
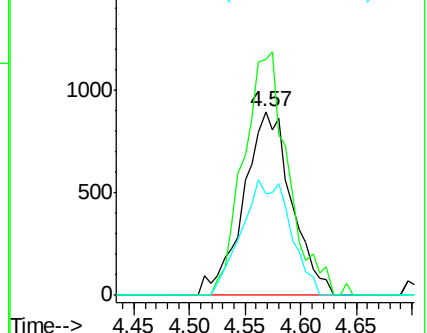
98 63.6 0.0 127.2



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: 1.03 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

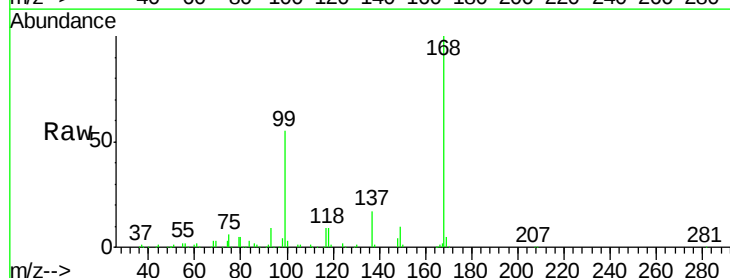
Tgt Ion: 56 Resp: 4028

Ion Ratio Lower Upper

56 100

69 192.1 25.7 38.5#

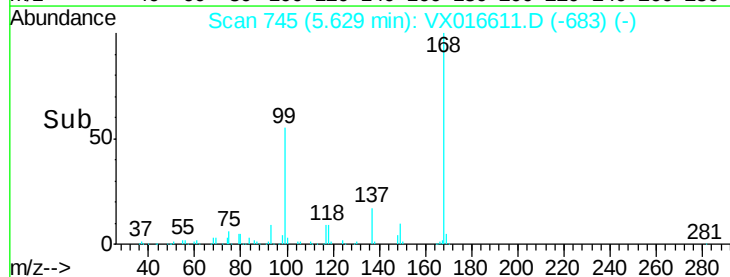
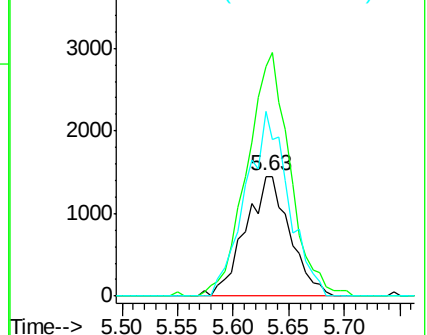
84 154.6 70.0 105.0#

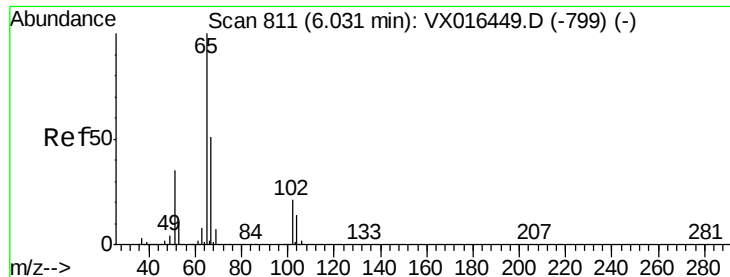


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

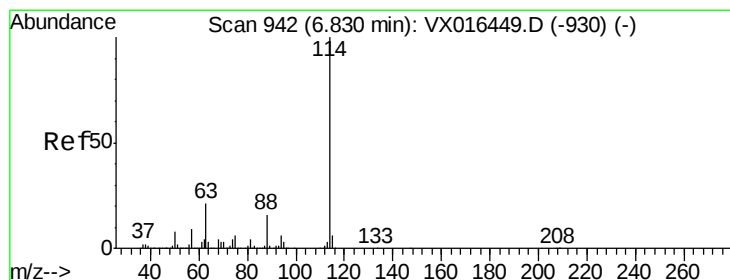
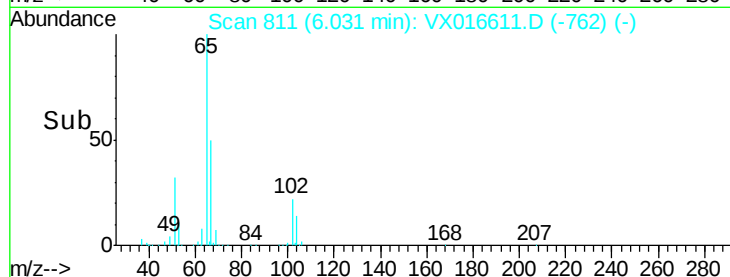
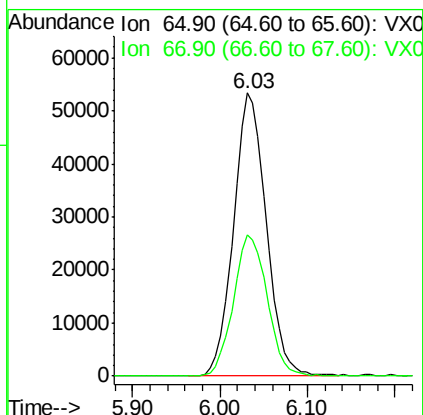
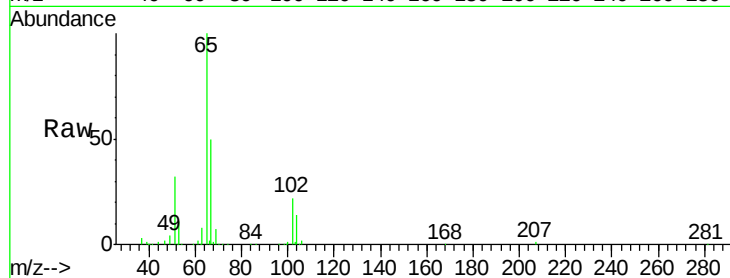




#33
 1,2-Dichloroethane-d4
 Concen: 48.98 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016611.D
 Acq: 05 Jun 2020 15:09

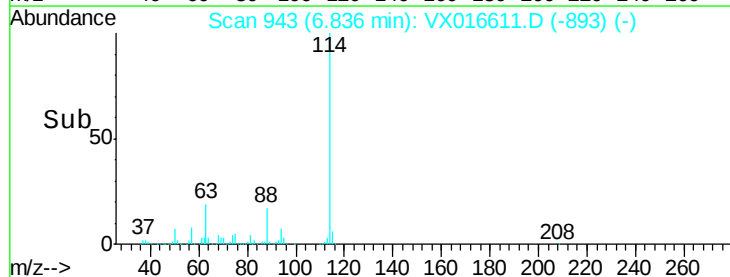
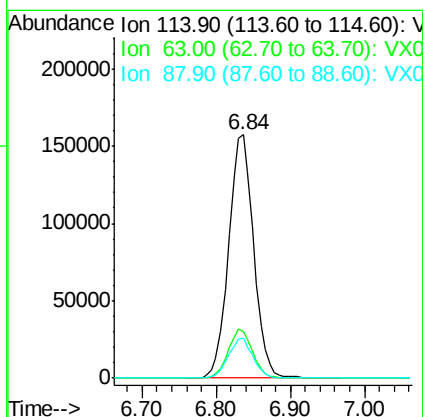
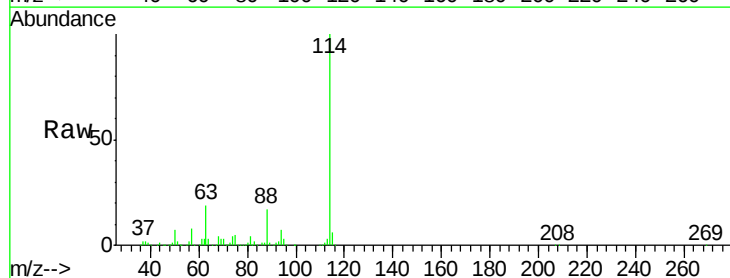
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012RW043-200602

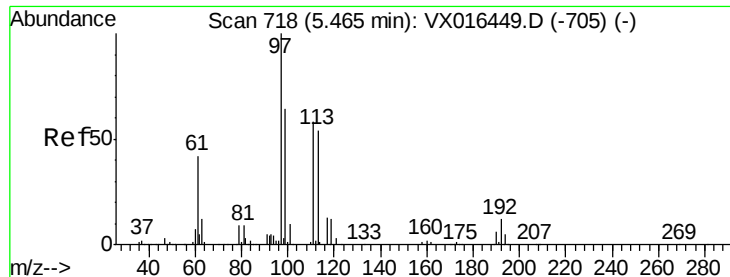
Tgt Ion: 65 Resp: 138365
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016611.D
 Acq: 05 Jun 2020 15:09

Tgt Ion: 114 Resp: 370152
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.6
 88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.89 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

LF012RW043-200602

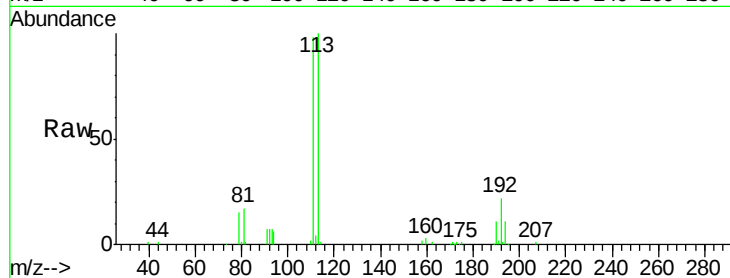
Tgt Ion:113 Resp: 113701

Ion Ratio Lower Upper

113 100

111 101.0 83.0 124.6

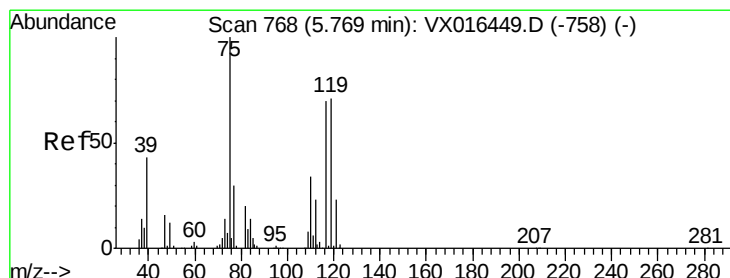
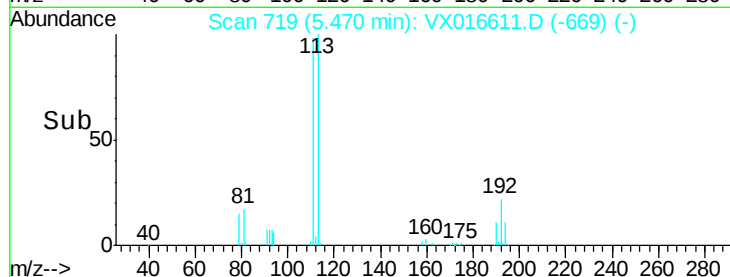
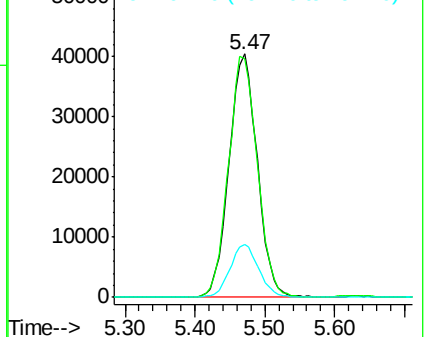
192 22.1 17.7 26.5



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: 4.37 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

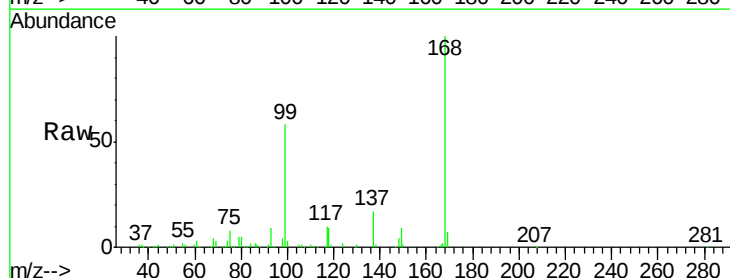
Tgt Ion: 75 Resp: 15307

Ion Ratio Lower Upper

75 100

110 9.6 17.4 52.3#

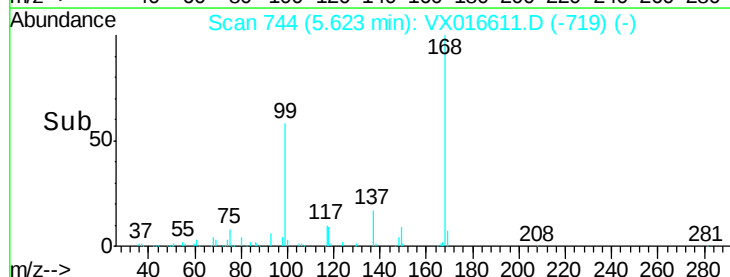
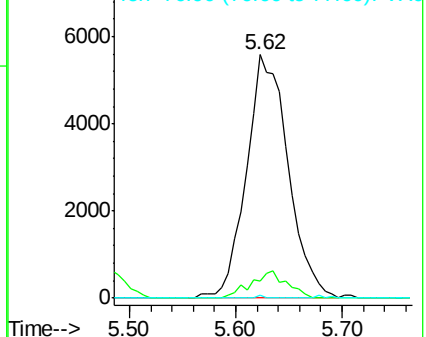
77 0.1 24.2 36.4#

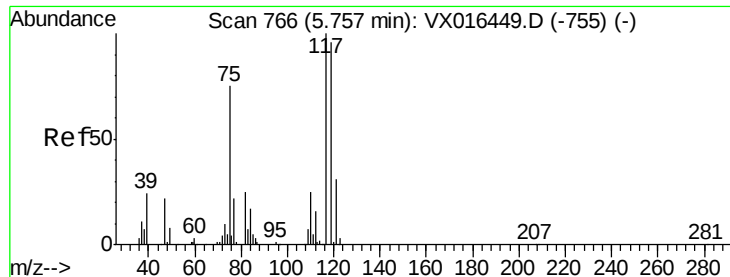


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.88 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

LF012RW043-200602

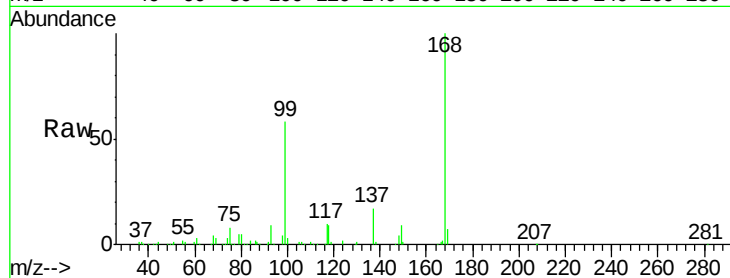
Tgt Ion:117 Resp: 21638

Ion Ratio Lower Upper

117 100

119 6.4 76.3 114.5#

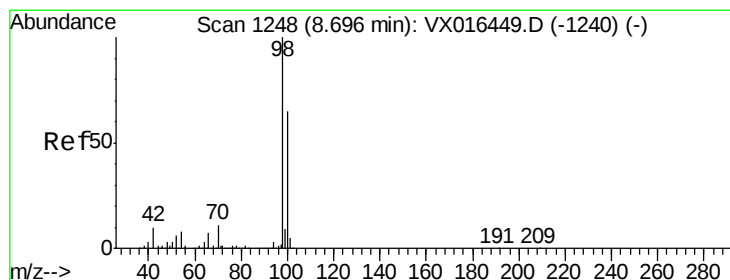
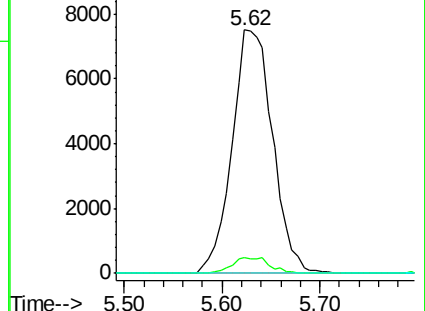
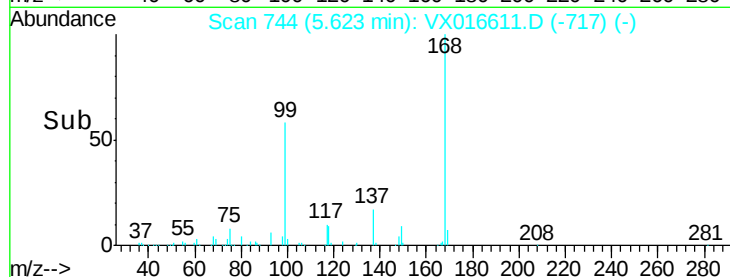
121 0.0 24.6 37.0#



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: 51.19 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016611.D

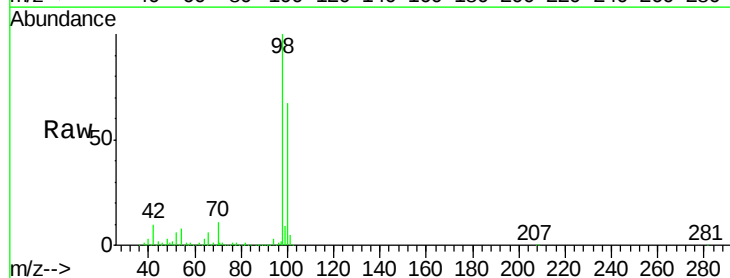
Acq: 05 Jun 2020 15:09

Tgt Ion: 98 Resp: 454125

Ion Ratio Lower Upper

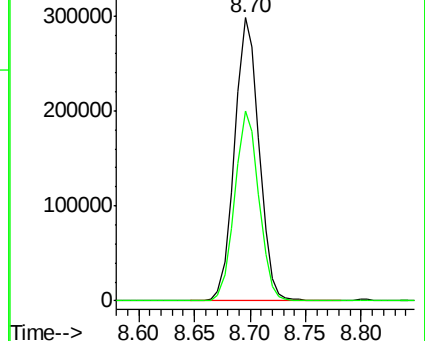
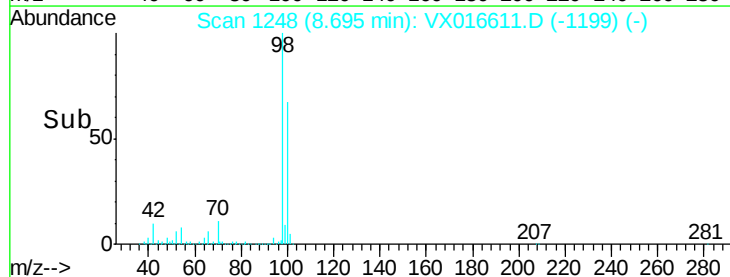
98 100

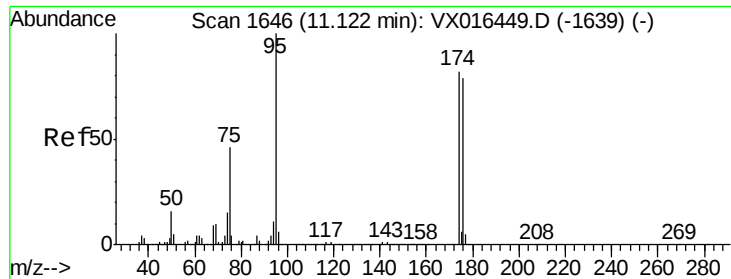
100 66.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.85 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

LF012RW043-200602

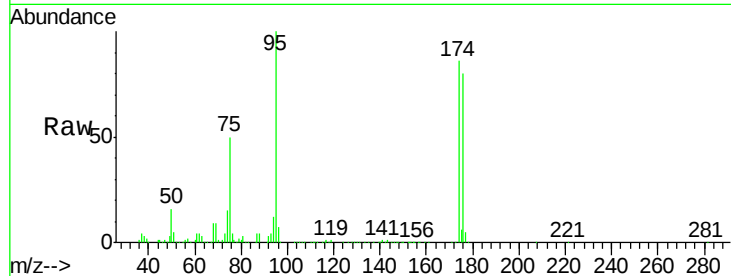
Tgt Ion: 95 Resp: 181170

Ion Ratio Lower Upper

95 100

174 85.5 0.0 163.0

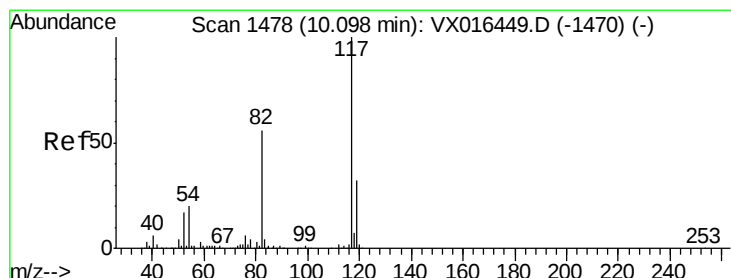
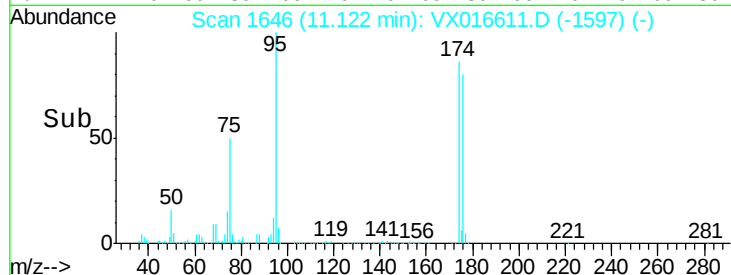
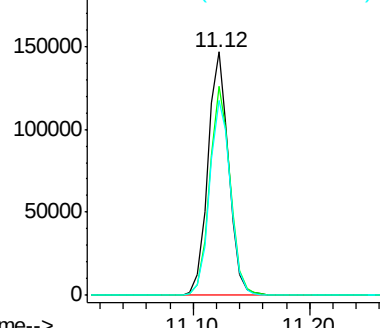
176 81.3 0.0 156.8



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: VX016611.D

Acq: 05 Jun 2020 15:09

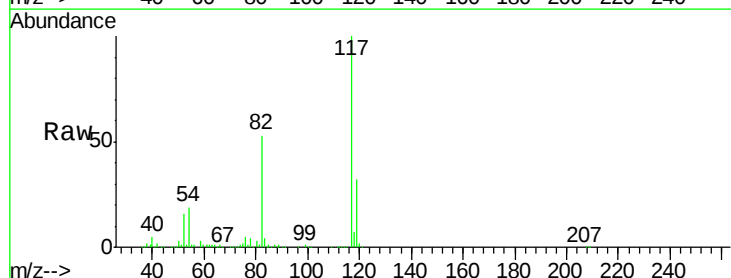
Tgt Ion: 117 Resp: 371429

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.6

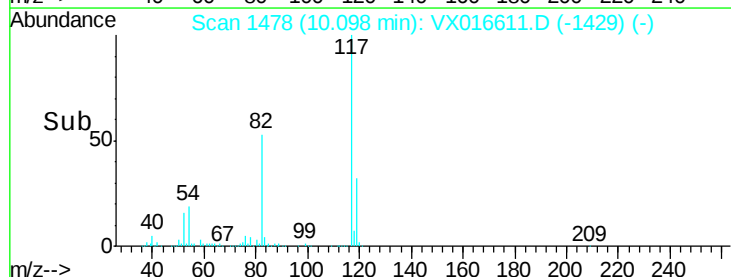
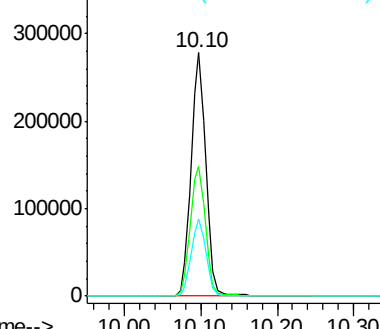
119 31.7 25.8 38.8

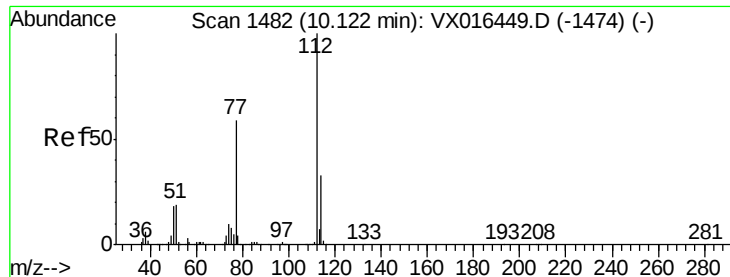


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 0.47 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

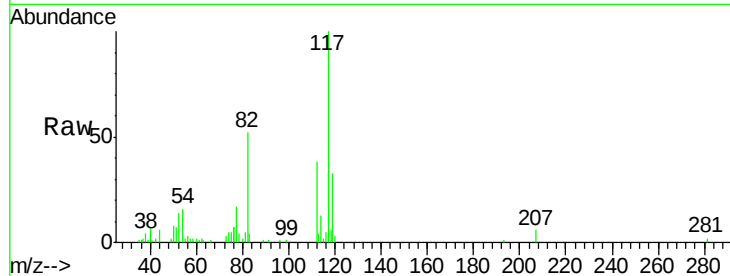
LF012RW043-200602

Tgt Ion:112 Resp: 3593

Ion Ratio Lower Upper

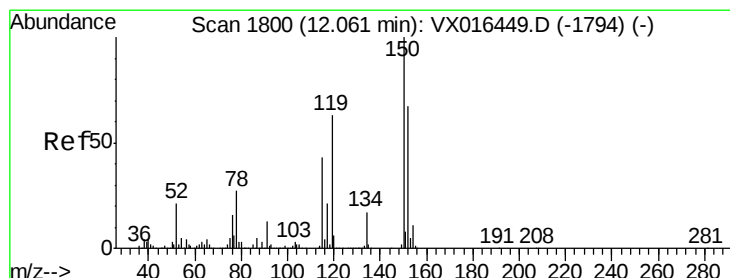
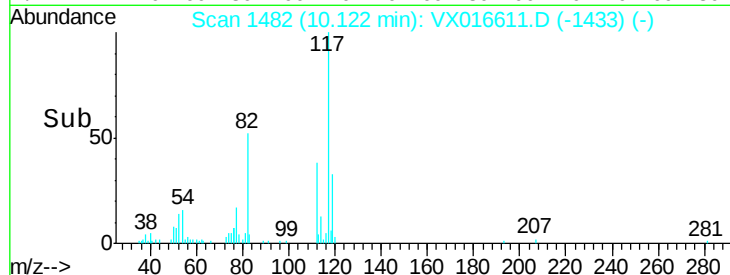
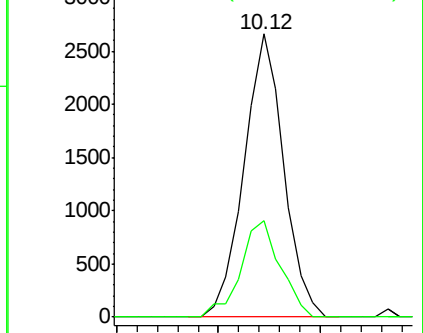
112 100

114 34.2 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

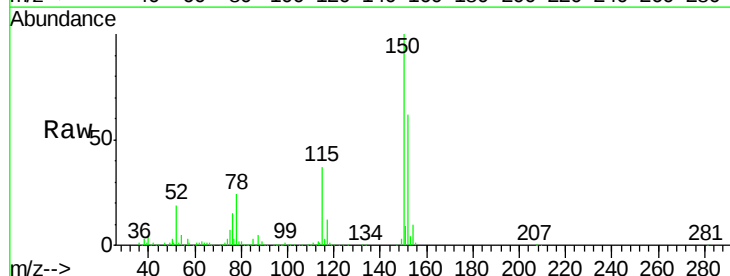
Tgt Ion:152 Resp: 190037

Ion Ratio Lower Upper

152 100

115 58.2 39.9 119.6

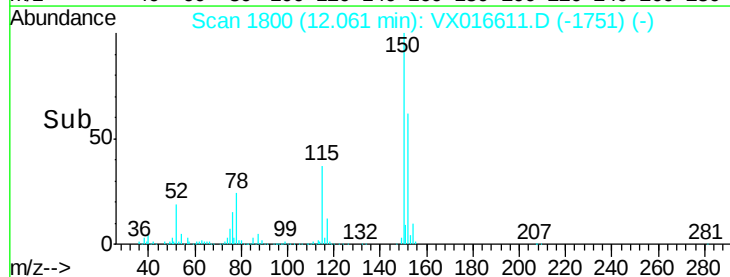
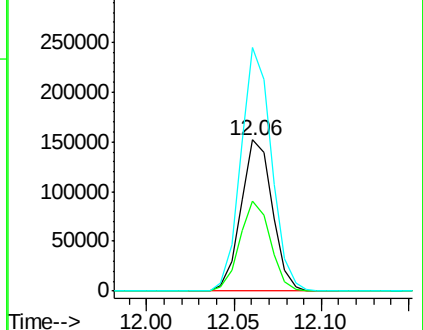
150 156.6 0.0 341.0

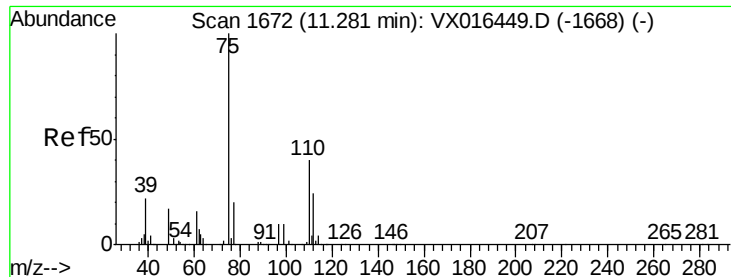


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.41 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

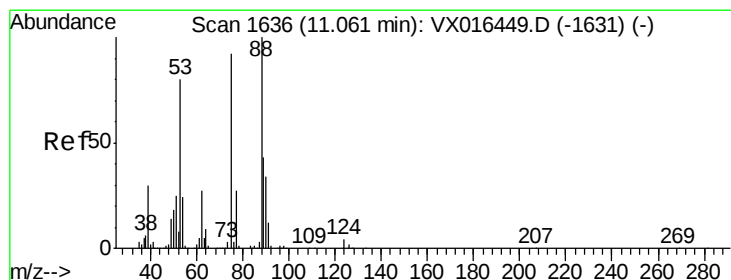
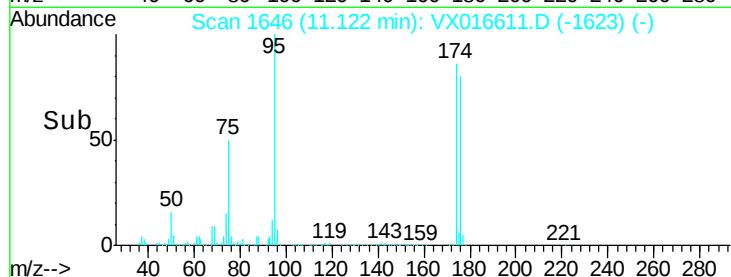
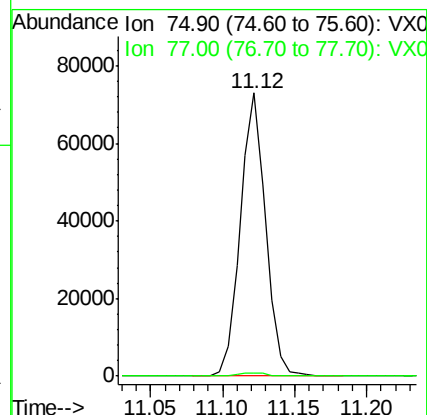
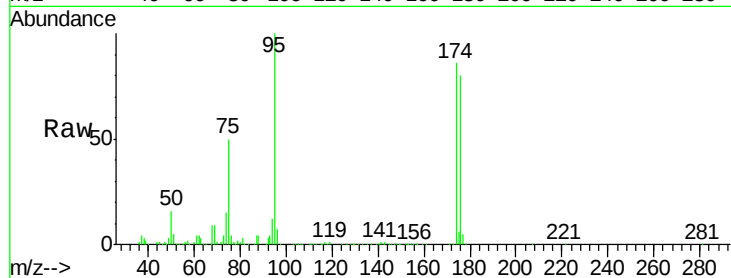
LF012RW043-200602

Tgt Ion: 75 Resp: 89434

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.67 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016611.D

Acq: 05 Jun 2020 15:09

Tgt Ion: 75 Resp: 89434

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

