

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061020\
 Data File : VX016665.D
 Acq On : 10 Jun 2020 11:30
 Operator : JC/SP
 Sample : VX0610WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBL01

Quant Time: Jun 11 02:58:59 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	5.62	168	233660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	361787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	352584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	163765	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	135094	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	5.46	113	111312	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	8.70	98	442365	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.12	95	167926	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	

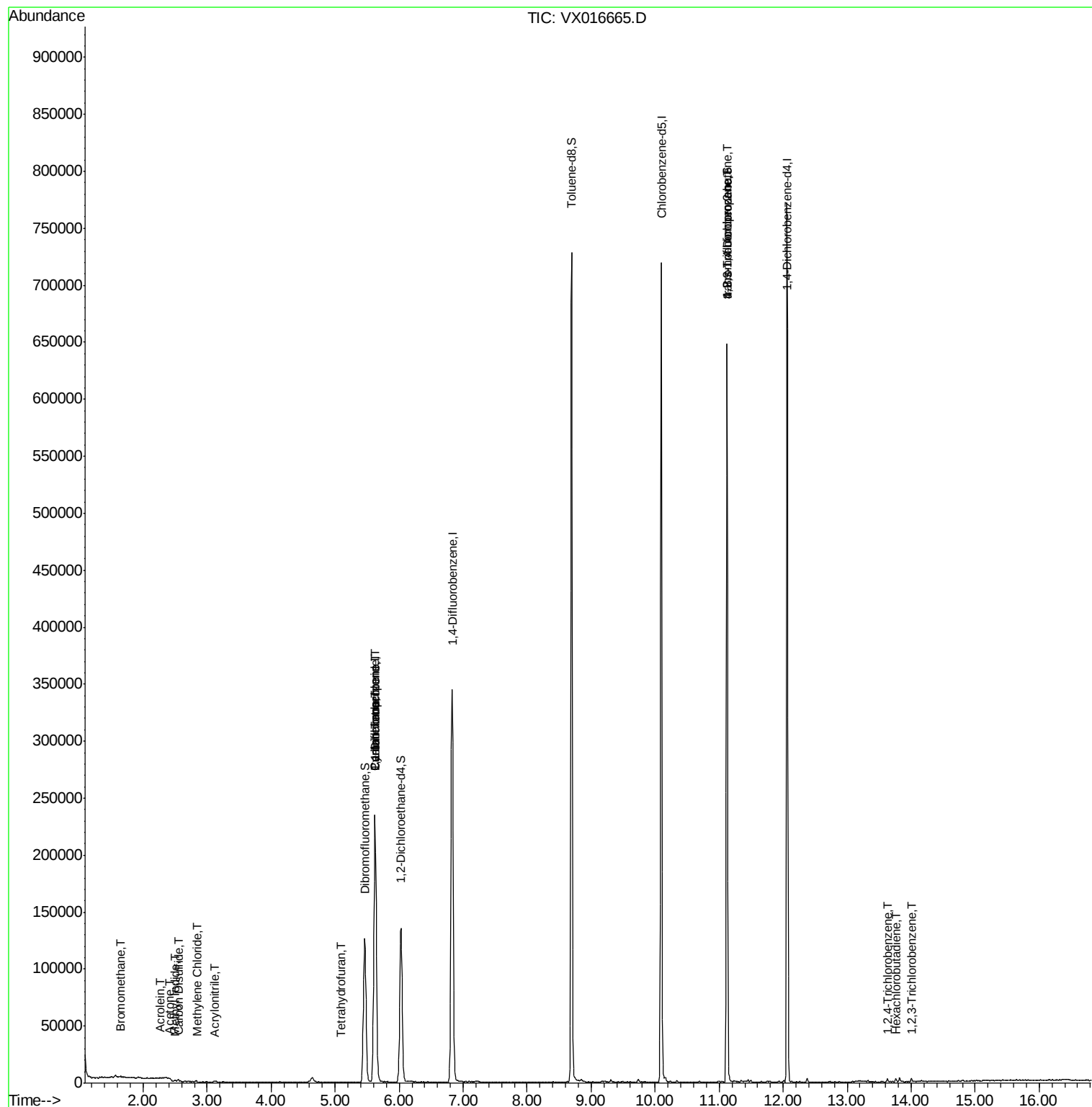
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	662	0.46	ug/l	85
10) Methyl Iodide	2.50	142	846	3.37	ug/l #	93
13) Acrolein	2.27	56	474	1.50	ug/l #	51
15) Acrylonitrile	3.12	53	529	0.35	ug/l #	93
16) Acetone	2.42	43	679	0.53	ug/l #	85
17) Carbon Disulfide	2.54	76	1589	0.24	ug/l #	64
20) Methylene Chloride	2.84	84	586	0.22	ug/l #	59
29) Tetrahydrofuran	5.10	42	330	0.24	ug/l #	32
31) Cyclohexane	5.62	56	4272	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	16381	4.78	ug/l #	51
38) Carbon Tetrachloride	5.62	117	22153	6.15	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	81286	22.58	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	81286	55.55	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	861	0.26	ug/l	95
94) Hexachlorobutadiene	13.77	225	594	0.46	ug/l	95
96) 1,2,3-Trichlorobenzene	14.01	180	828	0.25	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

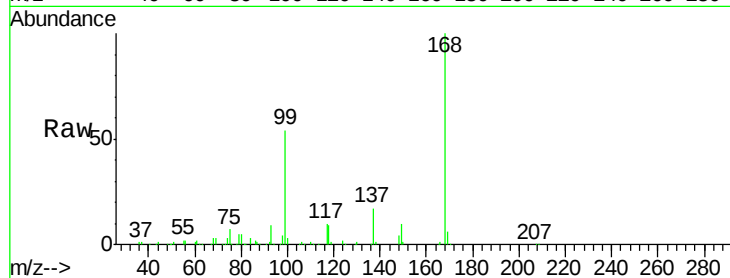
VX0610WBL01

Tgt Ion: 168 Resp: 233660

Ion Ratio Lower Upper

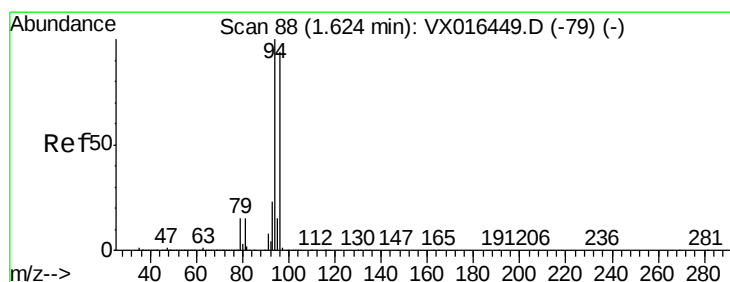
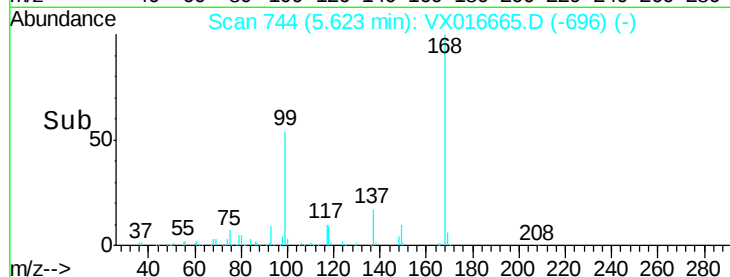
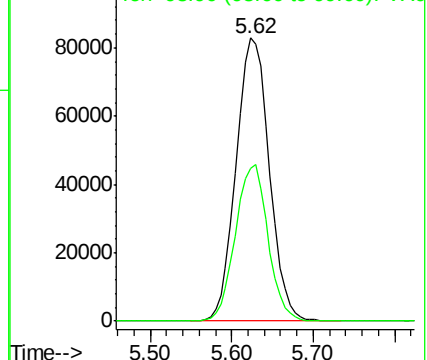
168 100

99 54.2 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.46 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016665.D

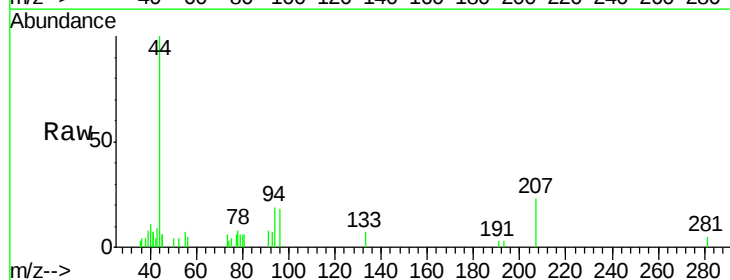
Acq: 10 Jun 2020 11:30

Tgt Ion: 94 Resp: 662

Ion Ratio Lower Upper

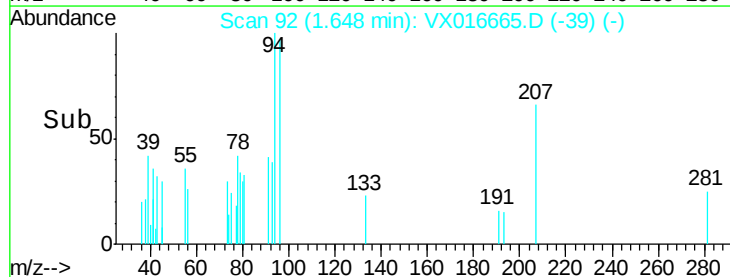
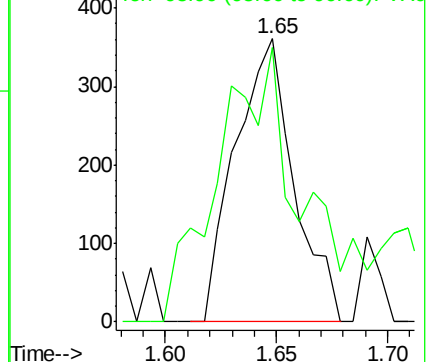
94 100

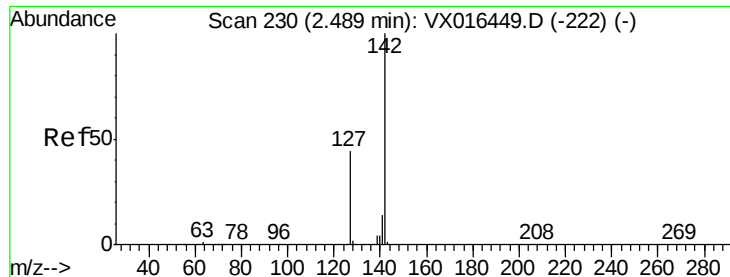
96 78.9 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

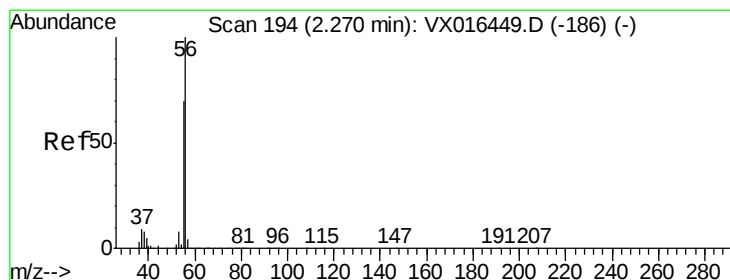
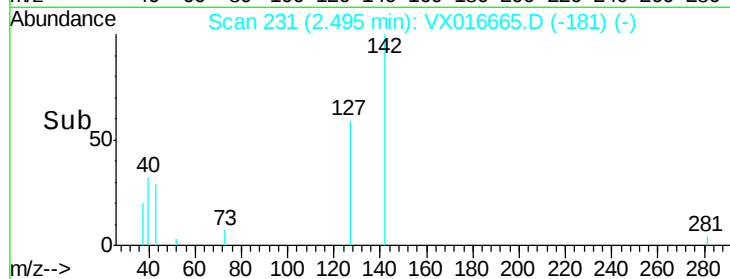
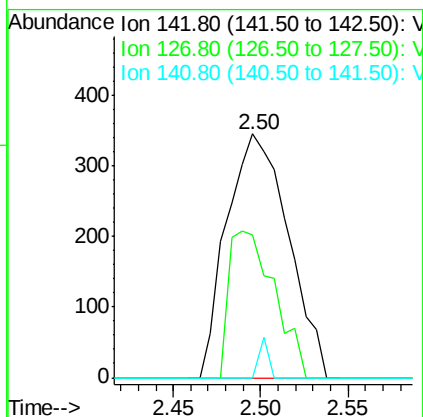
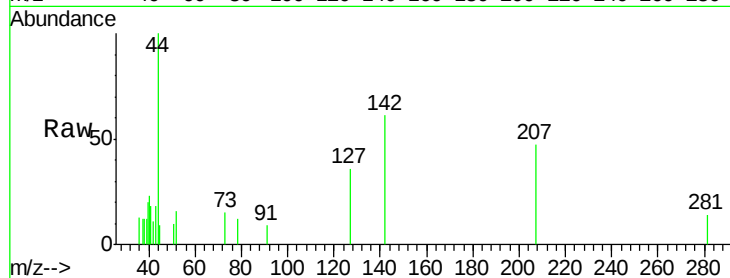




#10
Methyl Iodide
Concen: 3.37 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016665.D
Acq: 10 Jun 2020 11:30

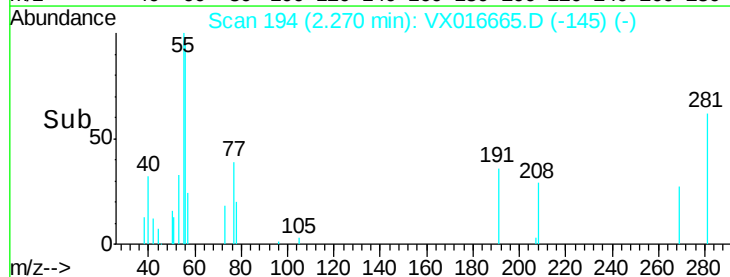
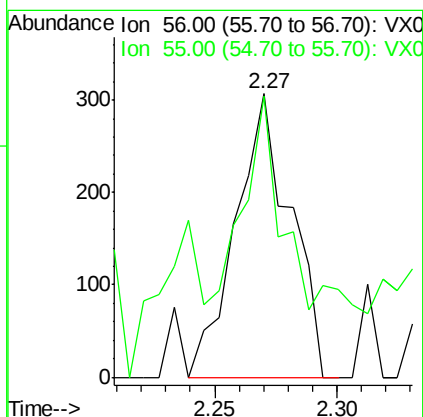
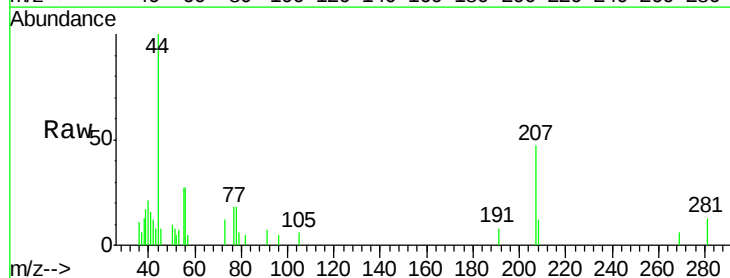
Instrument :
MSVOA_X
ClientSampleId :
VX0610WBL01

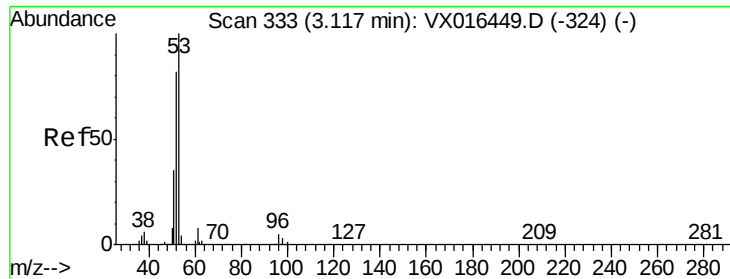
Tgt Ion: 142 Resp: 846
Ion Ratio Lower Upper
142 100
127 44.3 35.3 52.9
141 2.5 11.4 17.2#



#13
Acrolein
Concen: 1.50 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016665.D
Acq: 10 Jun 2020 11:30

Tgt Ion: 56 Resp: 474
Ion Ratio Lower Upper
56 100
55 113.9 58.3 87.5#





#15

Acrylonitrile

Concen: 0.35 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBL01

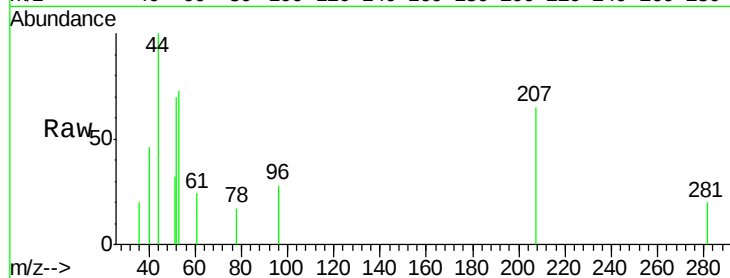
Tgt Ion: 53 Resp: 529

Ion Ratio Lower Upper

53 100

52 85.1 66.7 100.1

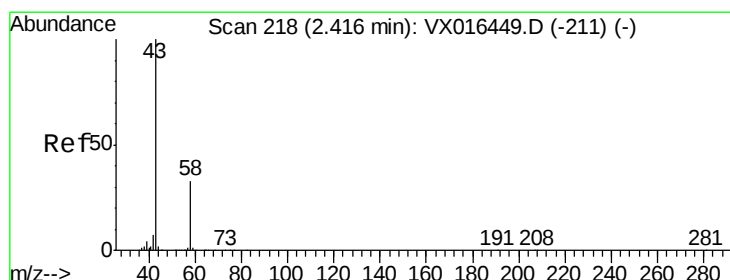
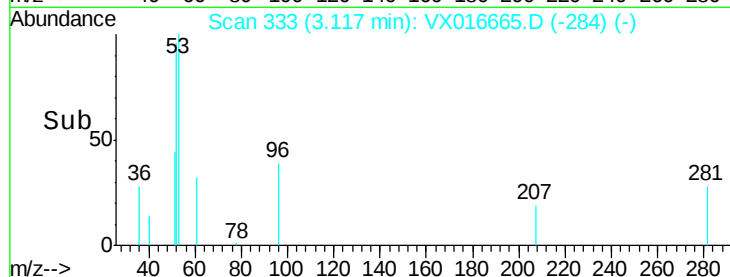
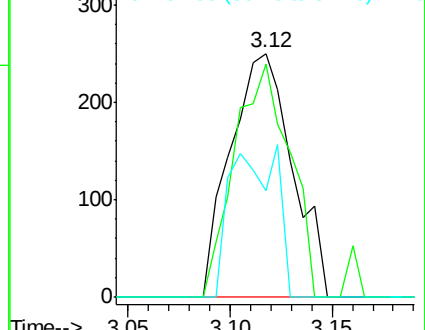
51 46.1 28.6 43.0#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.53 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016665.D

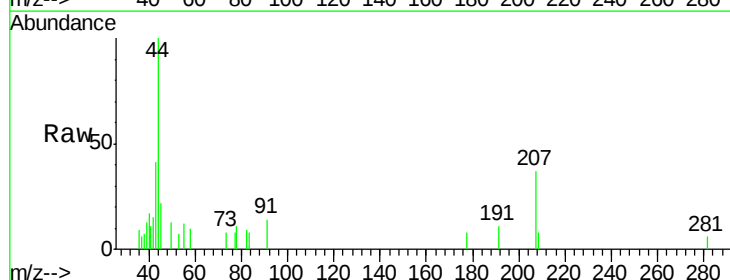
Acq: 10 Jun 2020 11:30

Tgt Ion: 43 Resp: 679

Ion Ratio Lower Upper

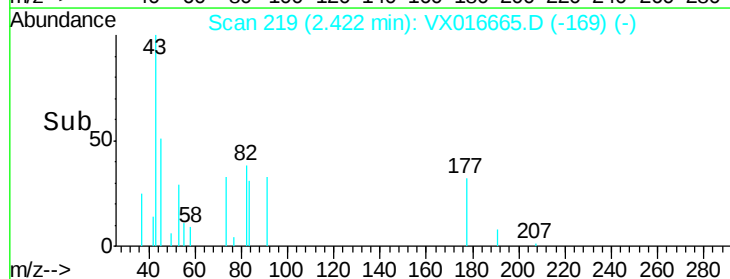
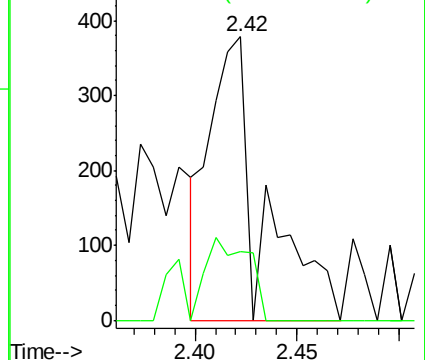
43 100

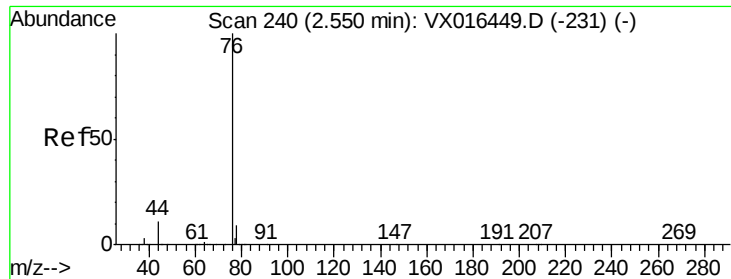
58 24.1 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.24 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

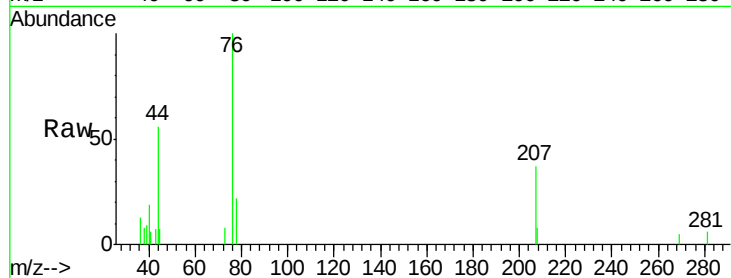
VX0610WBL01

Tgt Ion: 76 Resp: 1589

Ion Ratio Lower Upper

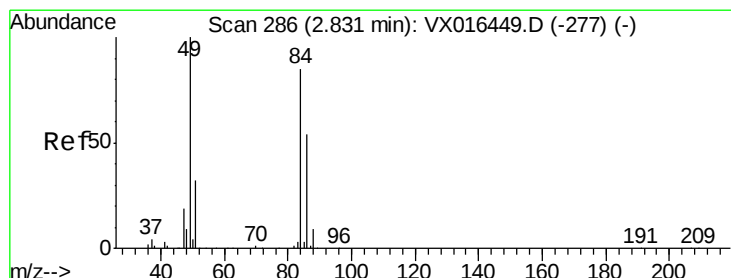
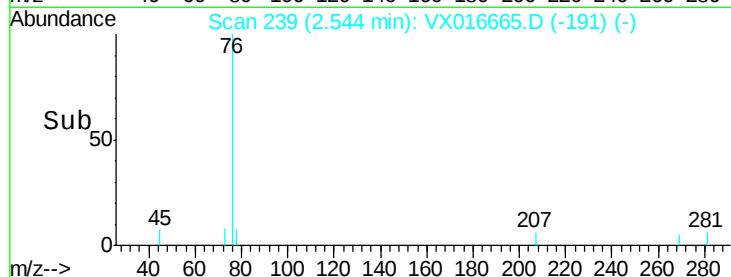
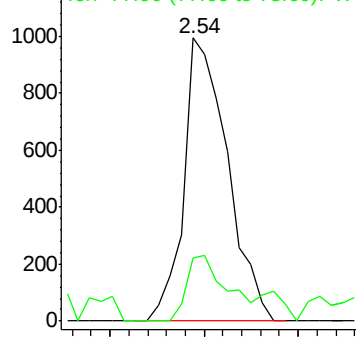
76 100

78 22.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.22 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Tgt Ion: 84 Resp: 586

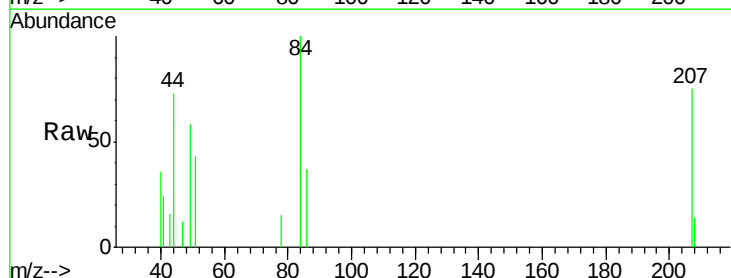
Ion Ratio Lower Upper

84 100

49 57.9 94.5 141.7#

51 42.6 30.2 45.4

86 37.0 51.1 76.7#

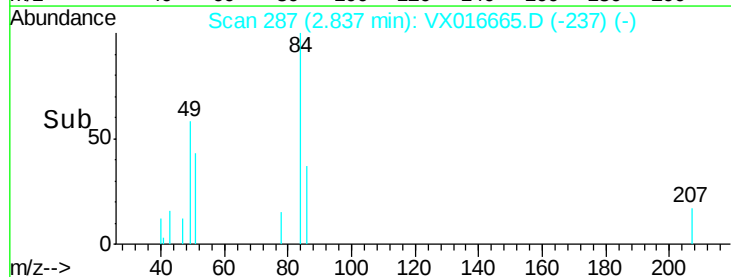
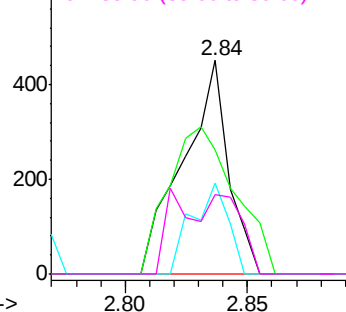


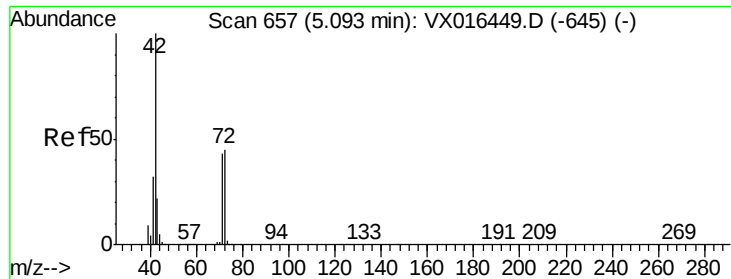
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBL01

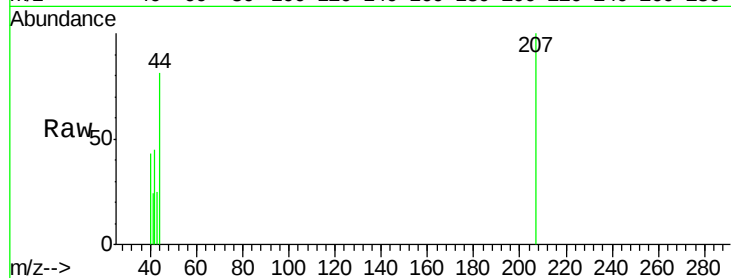
Tgt Ion: 42 Resp: 330

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

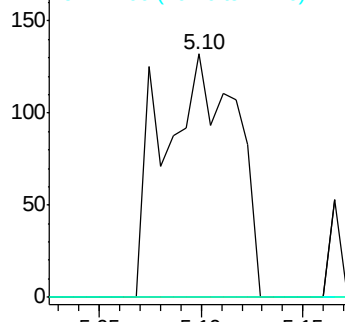
71 0.0 34.1 51.1#



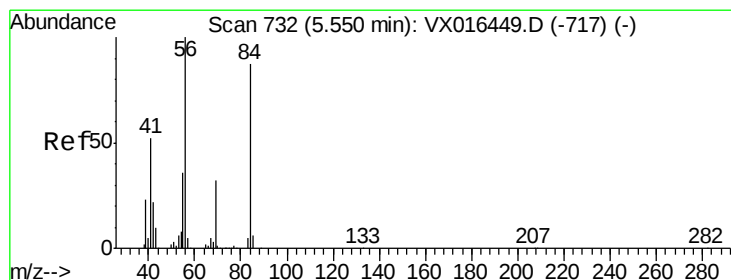
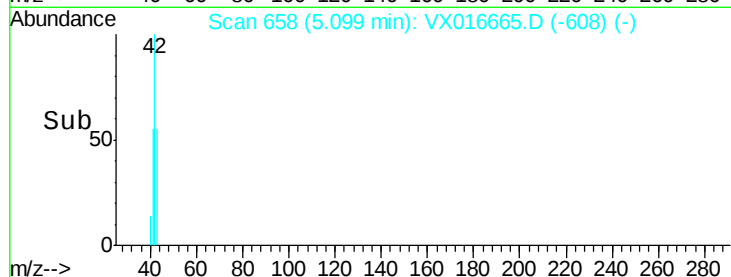
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

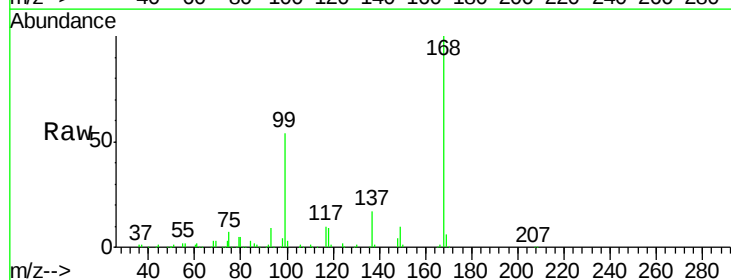
Tgt Ion: 56 Resp: 4272

Ion Ratio Lower Upper

56 100

69 176.5 25.7 38.5#

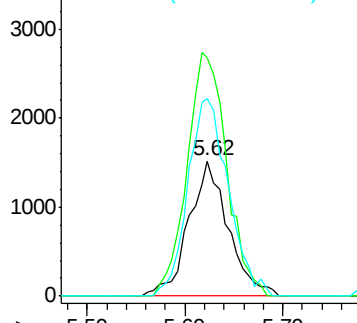
84 145.8 70.0 105.0#



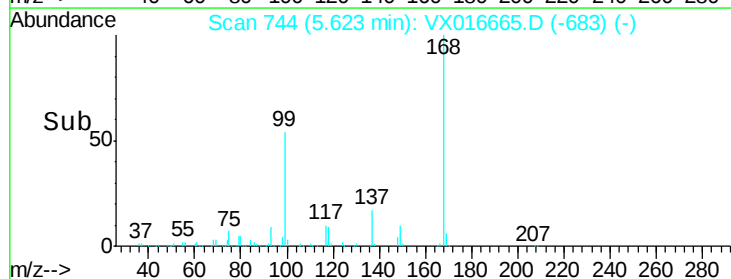
Abundance Ion 56.00 (55.70 to 56.70): VX0

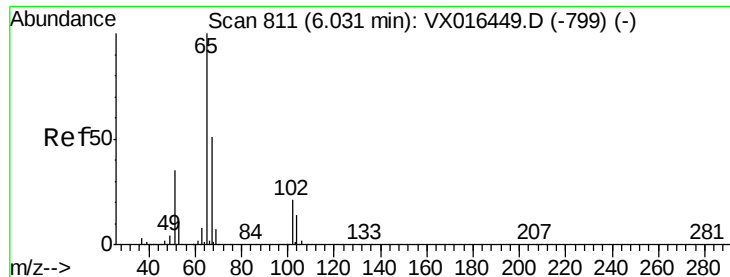
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

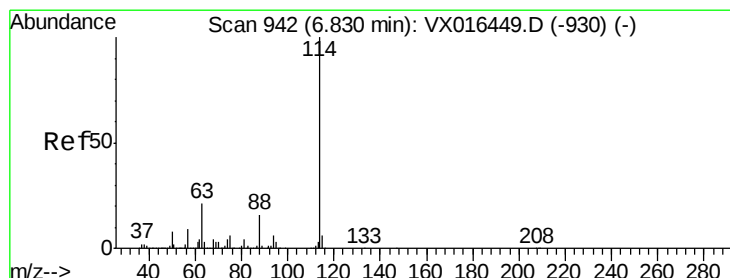
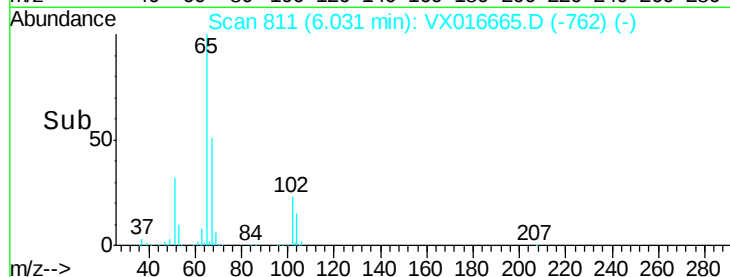
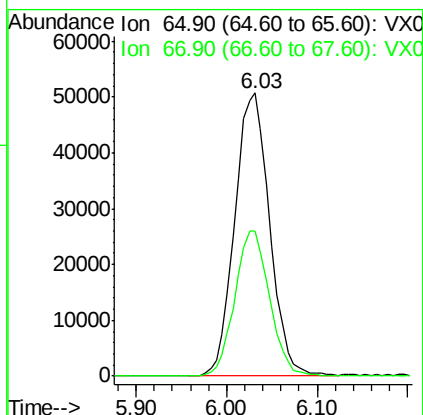
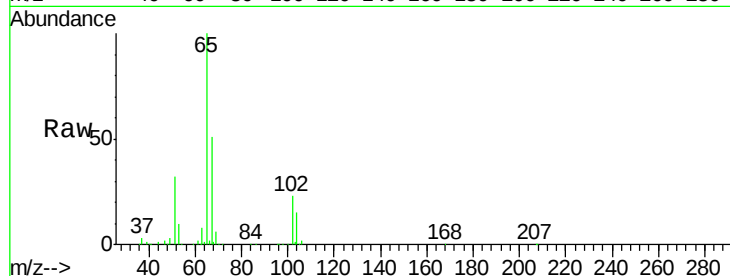




#33
 1,2-Dichloroethane-d4
 Concen: 46.56 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016665.D
 Acq: 10 Jun 2020 11:30

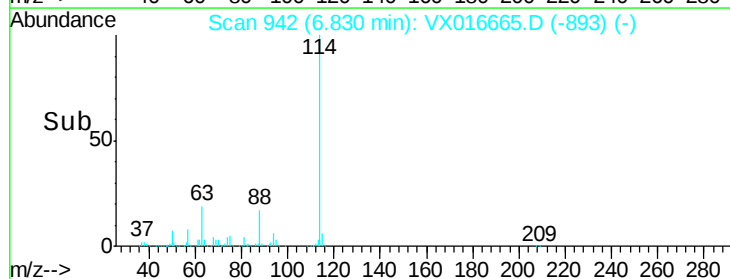
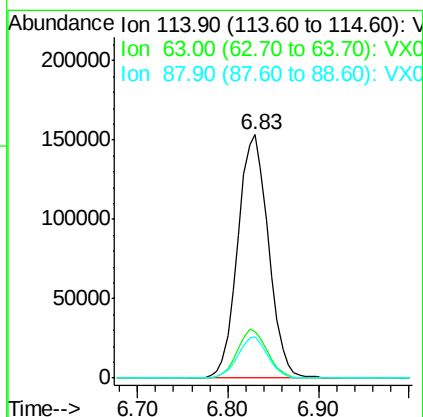
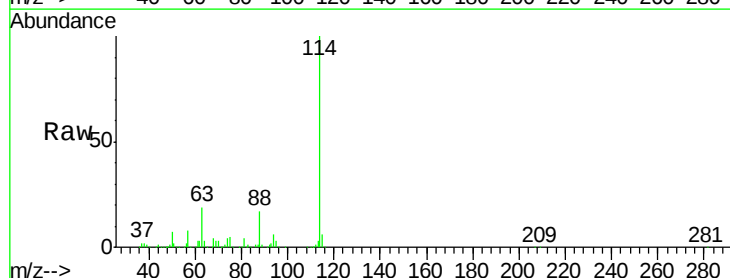
Instrument :
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 VX0610WBL01

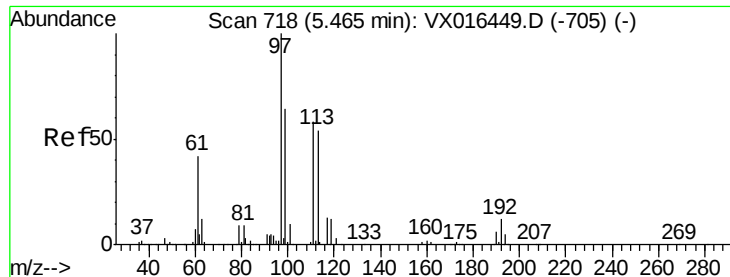
Tgt Ion: 65 Resp: 135094
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016665.D
 Acq: 10 Jun 2020 11:30

Tgt Ion: 114 Resp: 361787
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.6
 88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.97 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0610WBL01

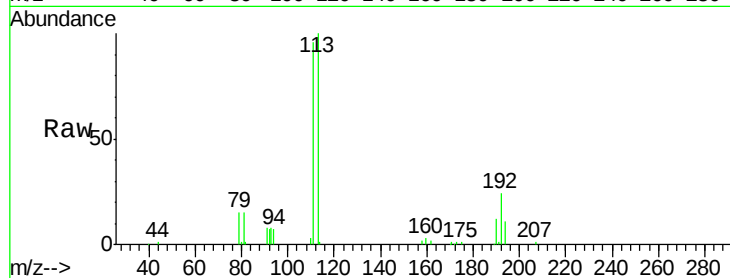
Tgt Ion:113 Resp: 111312

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

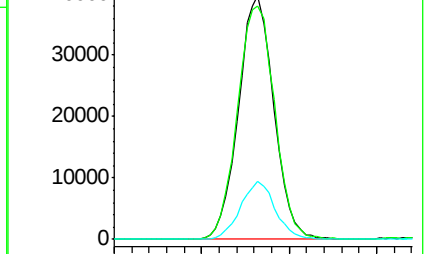
192 23.4 17.7 26.5



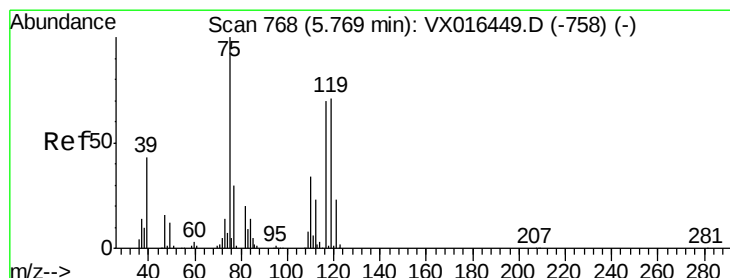
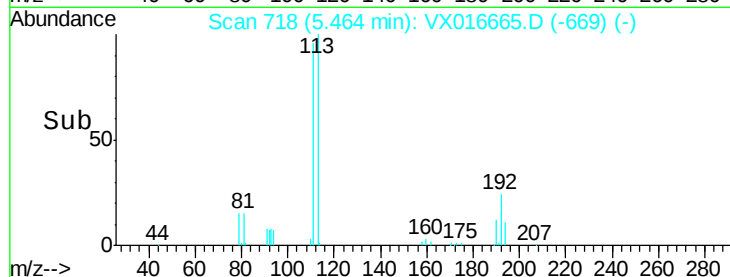
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time--> 5.30 5.40 5.50 5.60



#36

1,1-Dichloropropene

Concen: 4.78 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.15 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

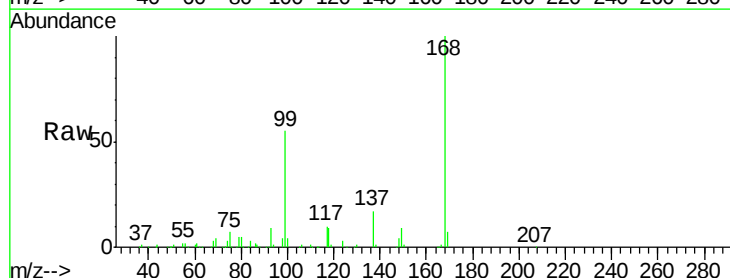
Tgt Ion: 75 Resp: 16381

Ion Ratio Lower Upper

75 100

110 10.4 17.4 52.3#

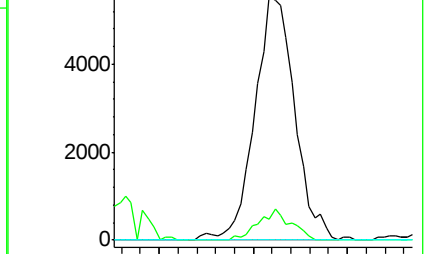
77 0.0 24.2 36.4#



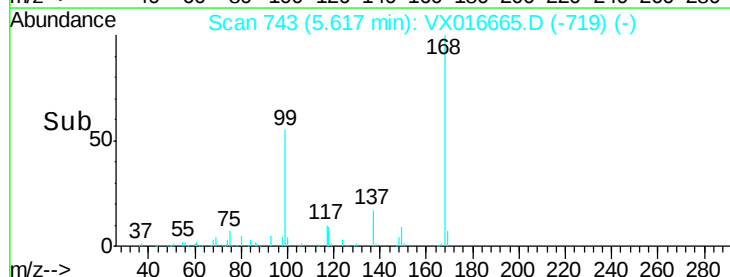
Abundance Ion 74.90 (74.60 to 75.60): VX0

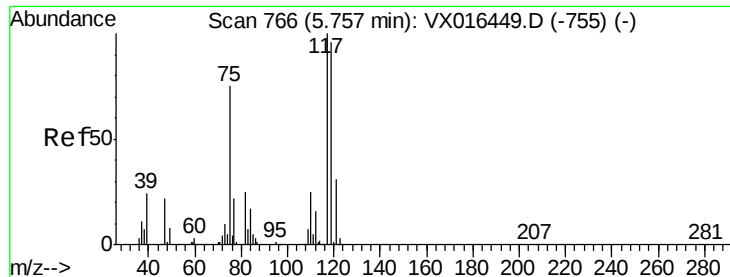
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



Time--> 5.50 5.60 5.70

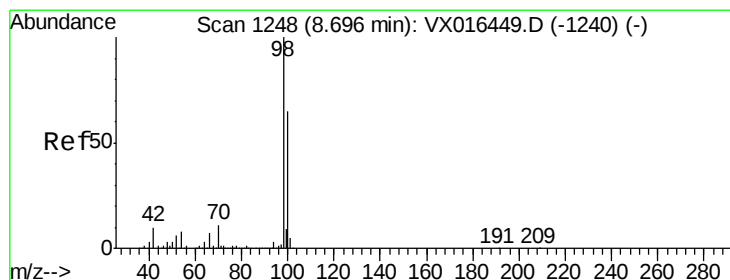
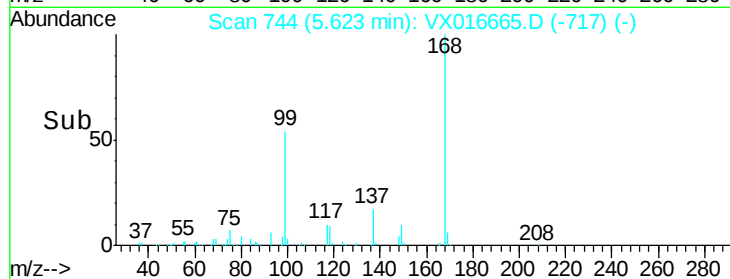
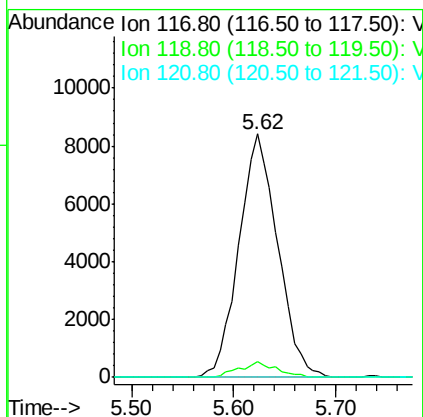
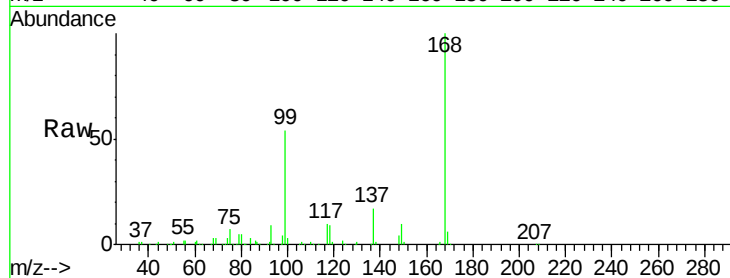




#38
Carbon Tetrachloride
Concen: 6.15 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX016665.D
Acq: 10 Jun 2020 11:30

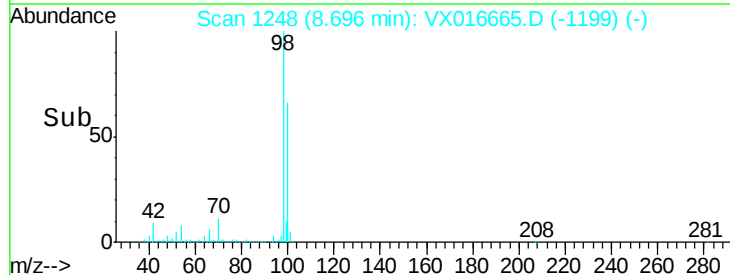
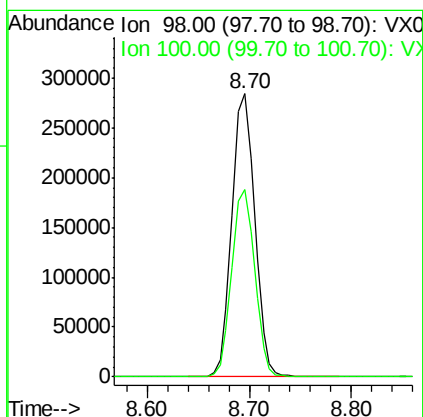
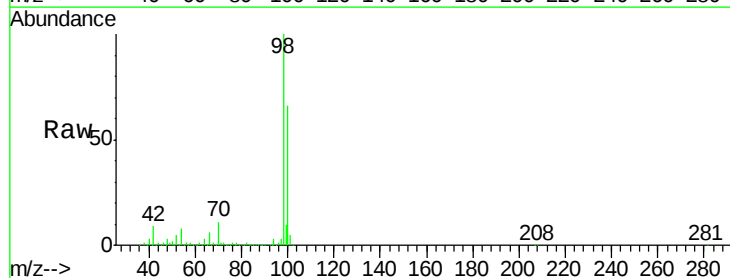
Instrument :
MSVOA_X
ClientSampleId :
VX0610WBL01

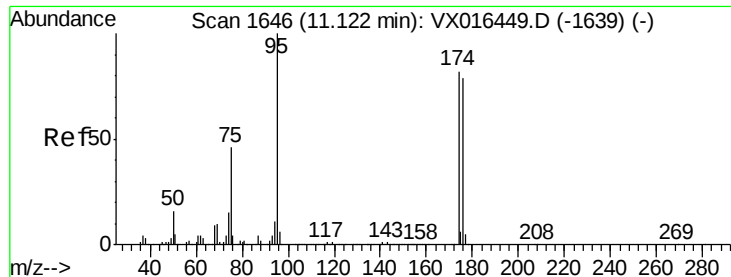
Tgt Ion:117 Resp: 22153
Ion Ratio Lower Upper
117 100
119 6.4 76.3 114.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 51.02 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016665.D
Acq: 10 Jun 2020 11:30

Tgt Ion: 98 Resp: 442365
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6





#62

4-Bromofluorobenzene

Concen: 50.12 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBL01

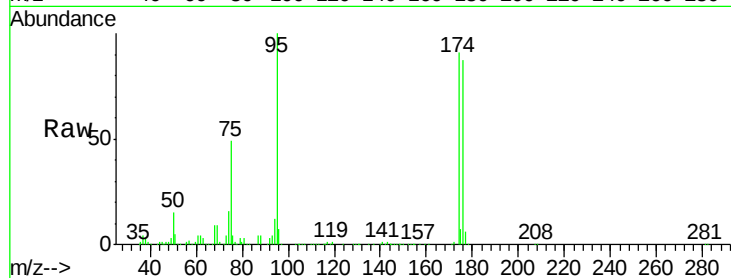
Tgt Ion: 95 Resp: 167926

Ion Ratio Lower Upper

95 100

174 87.0 0.0 163.0

176 82.5 0.0 156.8

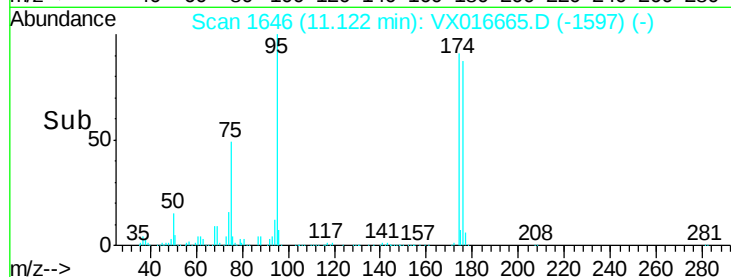


Abundance Ion 94.90 (94.60 to 95.60): VX016449.D (-1639) (-)

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

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

Time-->

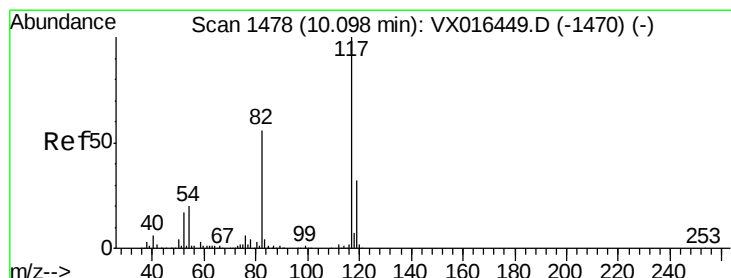


Abundance Ion 94.90 (94.60 to 95.60): VX016665.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016665.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016665.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

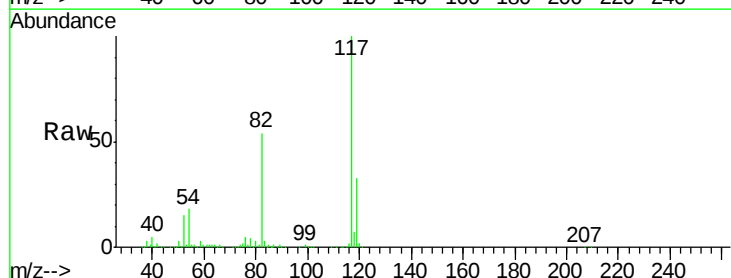
Tgt Ion: 117 Resp: 352584

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.6

119 32.6 25.8 38.8

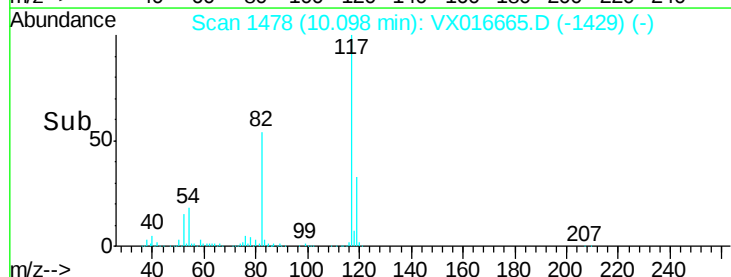


Abundance Ion 116.90 (116.60 to 117.60): VX016449.D (-1470) (-)

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

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

Time-->

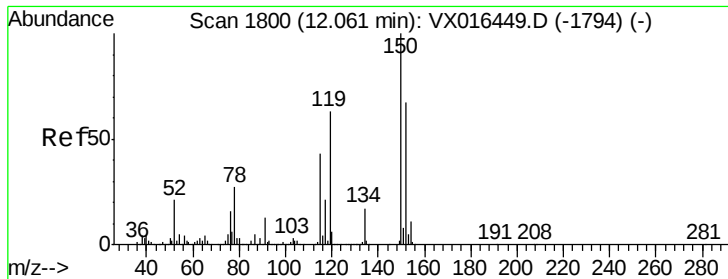


Abundance Ion 116.90 (116.60 to 117.60): VX016665.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016665.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016665.D (-1429) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0610WBL01

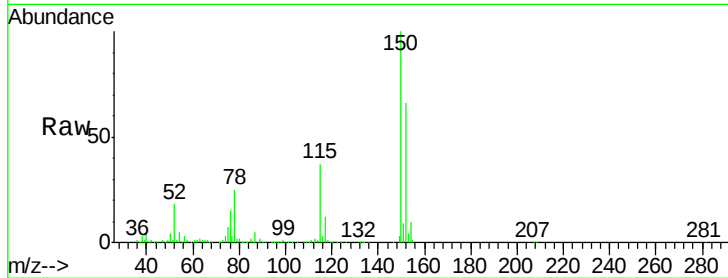
Tgt Ion: 152 Resp: 163765

Ion Ratio Lower Upper

152 100

115 57.7 39.9 119.6

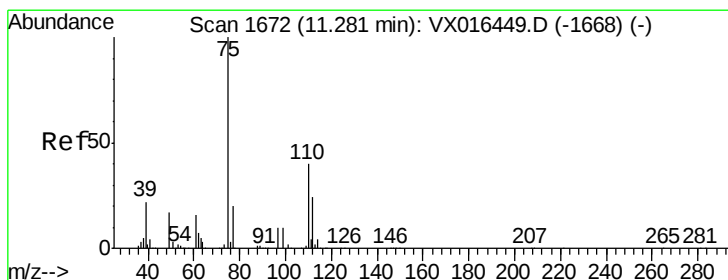
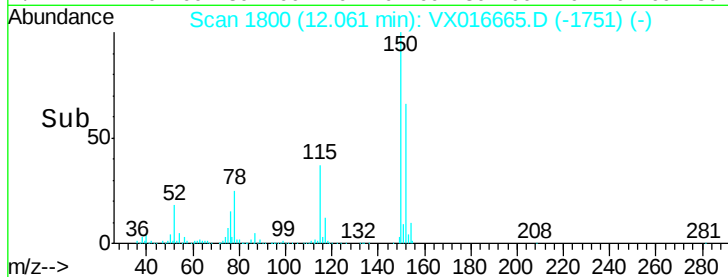
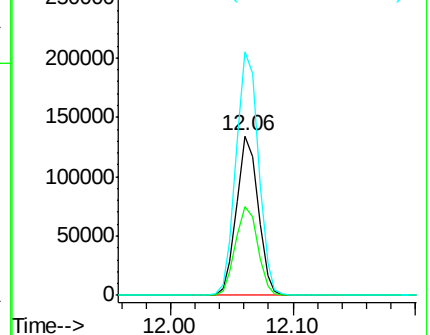
150 157.2 0.0 341.0



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: 22.58 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016665.D

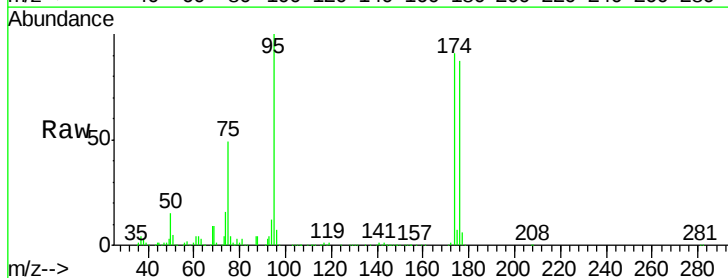
Acq: 10 Jun 2020 11:30

Tgt Ion: 75 Resp: 81286

Ion Ratio Lower Upper

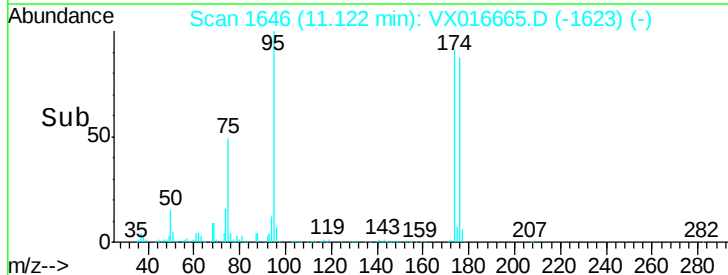
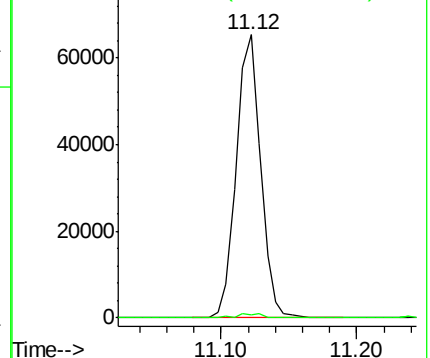
75 100

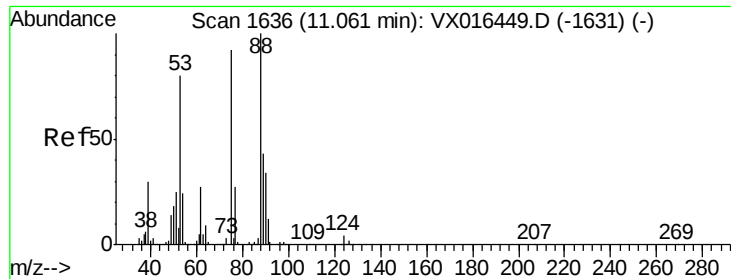
77 1.5 21.3 63.7#



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: 55.55 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBL01

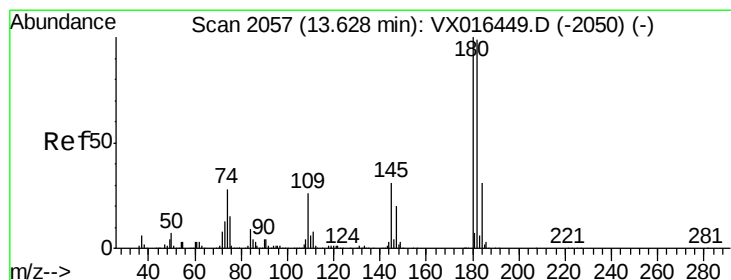
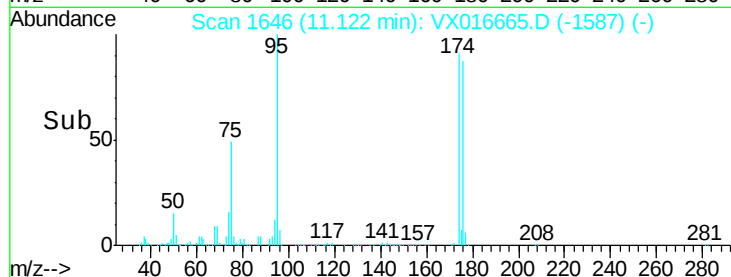
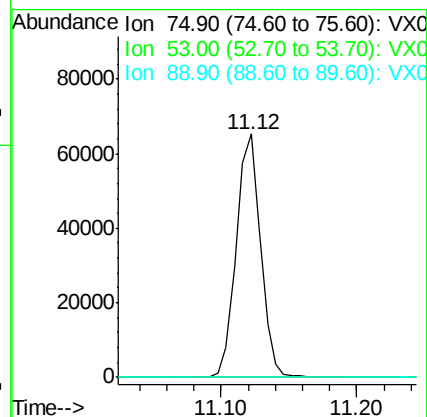
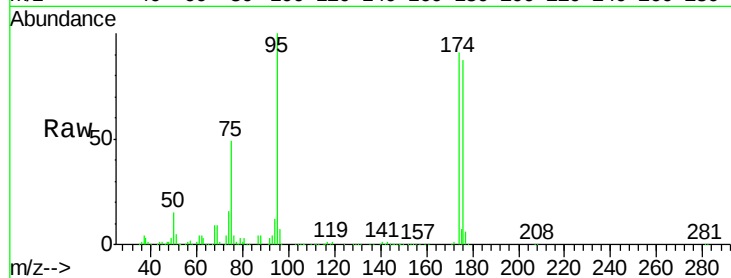
Tgt Ion: 75 Resp: 81286

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.26 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

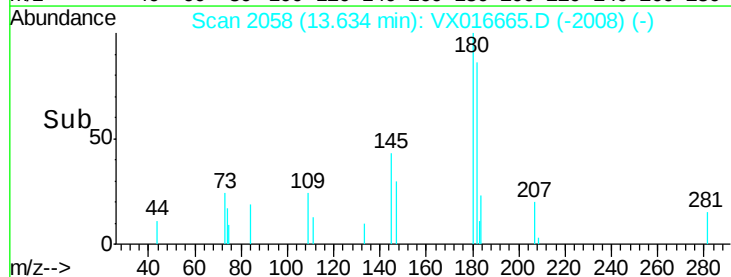
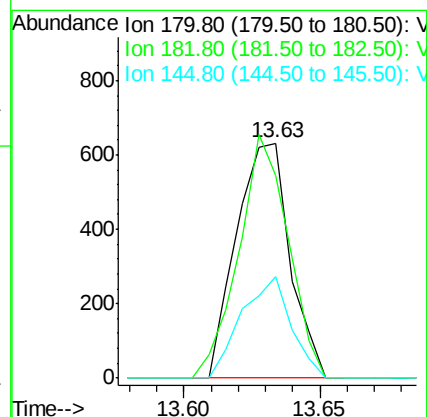
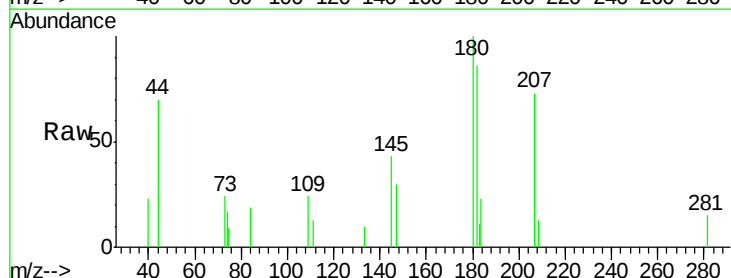
Tgt Ion: 180 Resp: 861

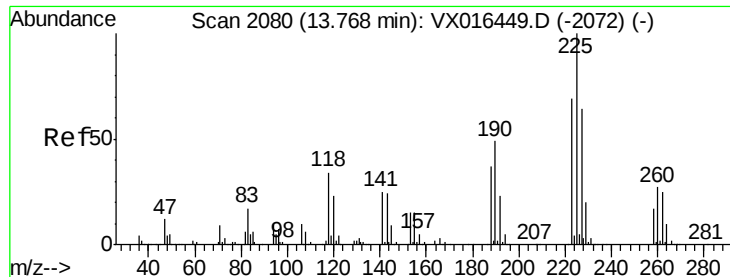
Ion Ratio Lower Upper

180 100

182 95.5 48.3 144.8

145 39.8 15.4 46.2





#94

Hexachlorobutadiene

Concen: 0.46 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBL01

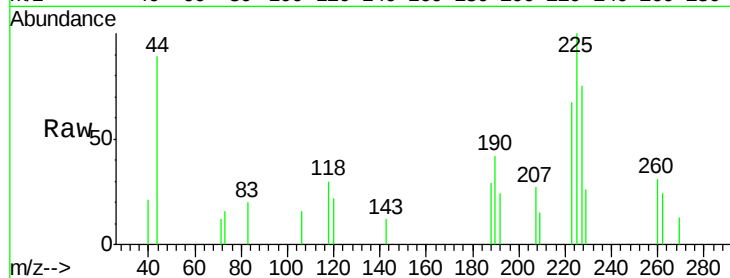
Tgt Ion:225 Resp: 594

Ion Ratio Lower Upper

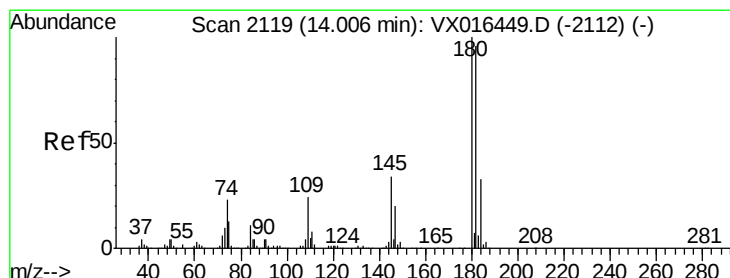
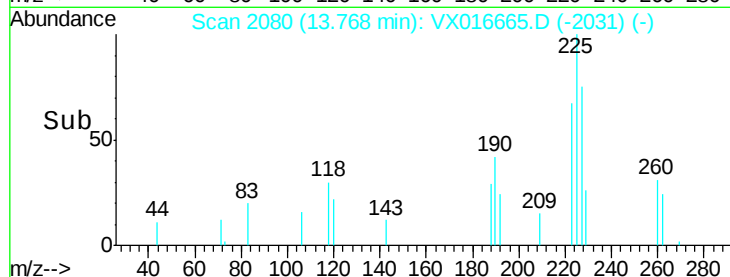
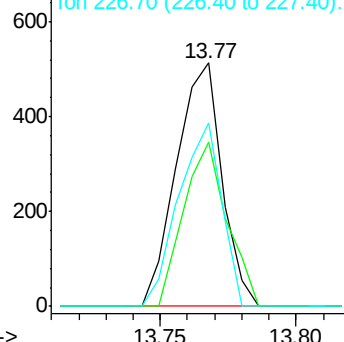
225 100

223 64.1 32.3 96.8

227 70.9 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.25 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016665.D

Acq: 10 Jun 2020 11:30

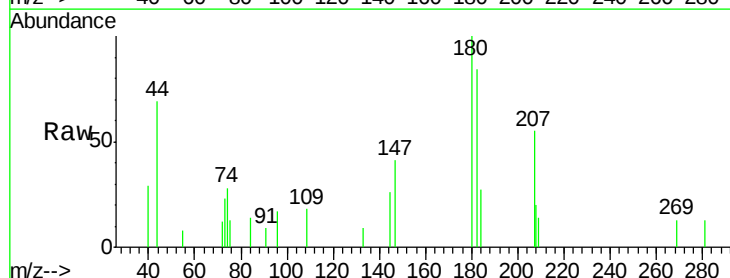
Tgt Ion:180 Resp: 828

Ion Ratio Lower Upper

180 100

182 92.6 48.6 145.8

145 36.1 16.6 49.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

