

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070620\
 Data File : VX017164.D
 Acq On : 06 Jul 2020 13:47
 Operator : JC/SP
 Sample : VX0706WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBL01

Quant Time: Jul 06 15:11:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	257831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	418028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	236285	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	160985	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	5.46	113	136388	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	8.70	98	503335	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.12	95	214181	56.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.06%	

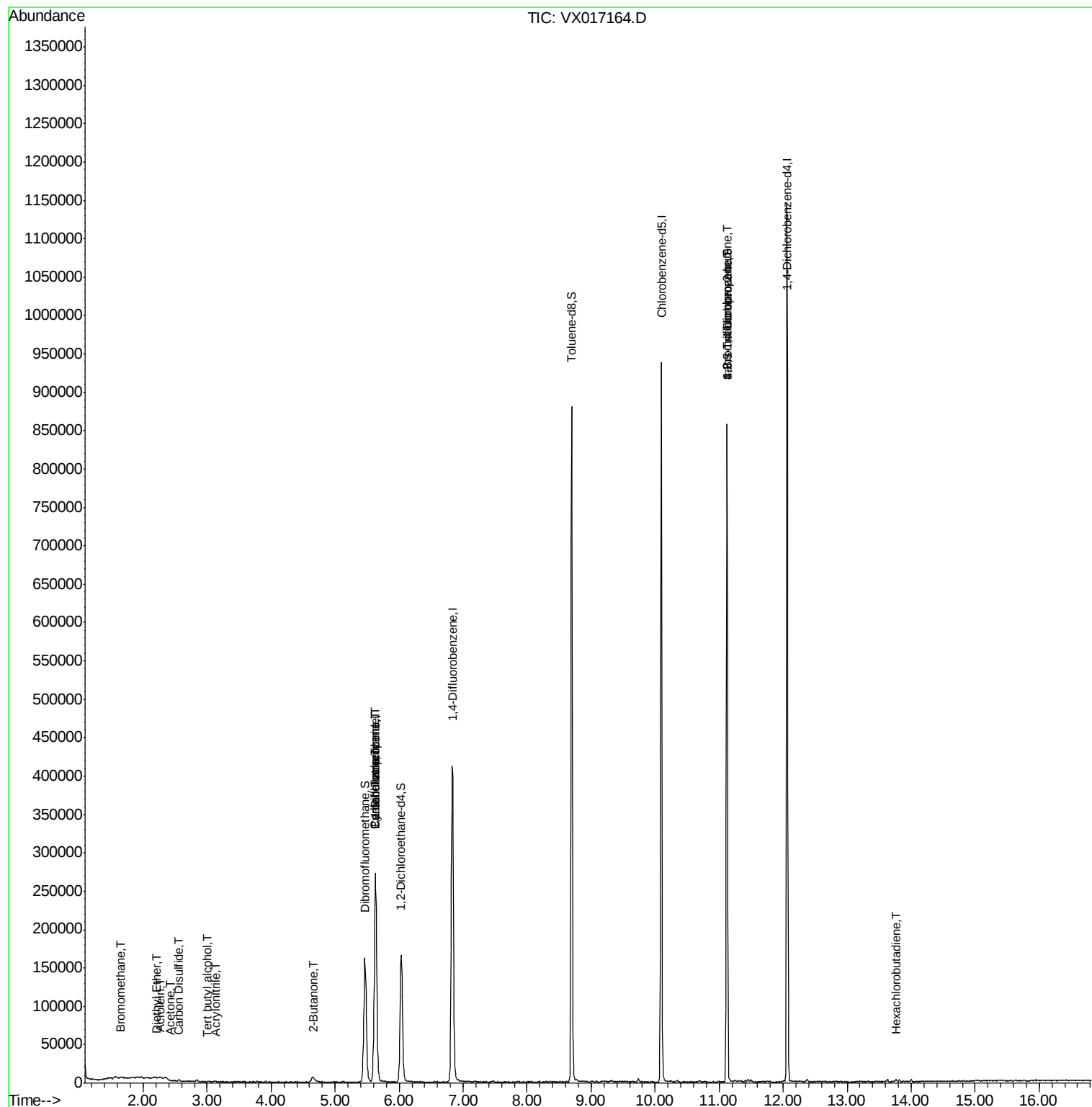
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	378	0.255	ug/l	84
8) Diethyl Ether	2.20	74	124	0.454	ug/l	95
11) Tert butyl alcohol	3.01	59	169	0.279	ug/l #	94
13) Acrolein	2.26	56	244	0.673	ug/l #	52
15) Acrylonitrile	3.13	53	428	0.294	ug/l #	28
16) Acetone	2.42	43	468	0.394	ug/l #	61
17) Carbon Disulfide	2.55	76	2227	0.336	ug/l #	79
20) Methylene Chloride	2.84	84	1116	Below Cal	#	65
25) 2-Butanone	4.65	43	596	0.301	ug/l	100
31) Cyclohexane	5.62	56	5396	1.257	ug/l #	9
36) 1,1-Dichloropropene	5.63	75	17853	4.519	ug/l #	45
38) Carbon Tetrachloride	5.63	117	24717	5.680	ug/l #	15
44) Trichloroethene	7.20	130	553	Below Cal		76
76) 1,2,3-Trichloropropane	11.12	75	106632	22.949	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	106632	59.431	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	733	Below Cal		81
94) Hexachlorobutadiene	13.77	225	404	1.057	ug/l	92

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

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Instrument :
MSVOA_X
ClientSampled :
VX0706WBL01

Quant Time: Jul 06 15:11:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

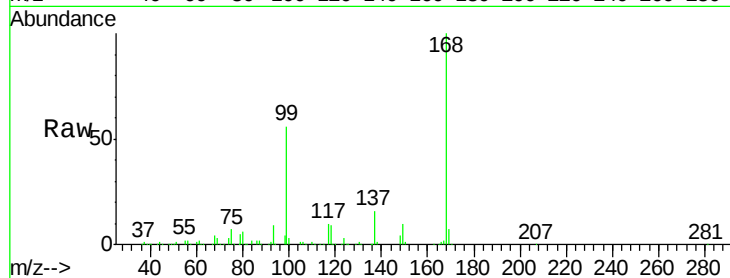
VX0706WBL01

Tgt Ion:168 Resp: 257831

Ion Ratio Lower Upper

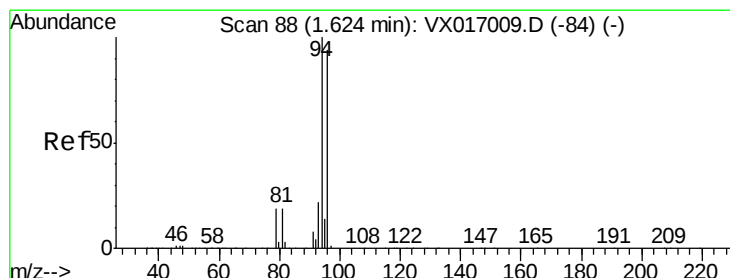
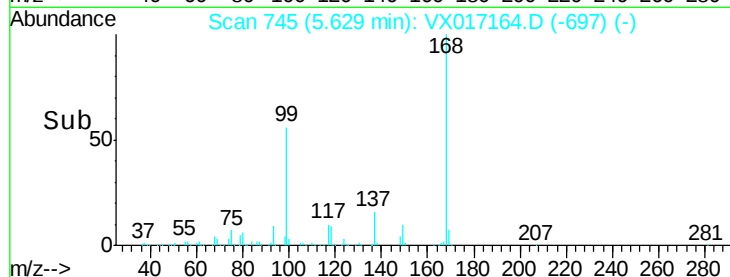
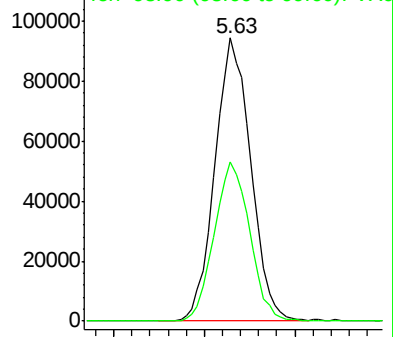
168 100

99 56.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.255 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017164.D

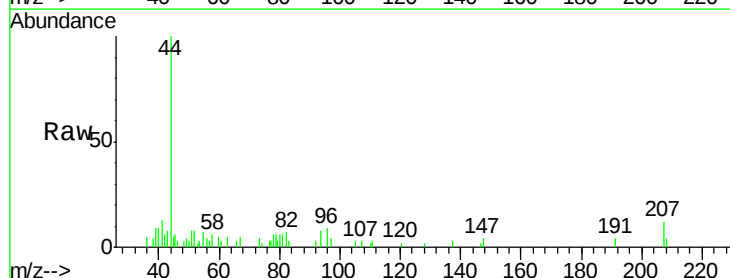
Acq: 06 Jul 2020 13:47

Tgt Ion: 94 Resp: 378

Ion Ratio Lower Upper

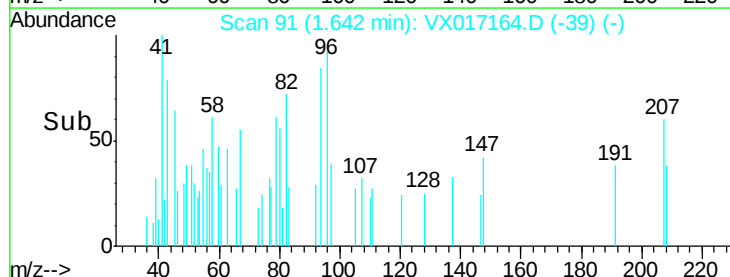
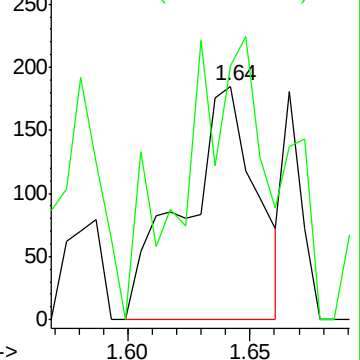
94 100

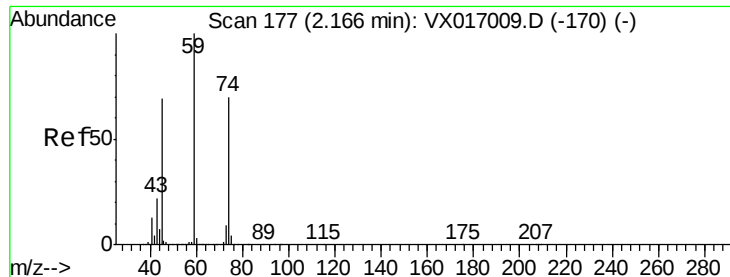
96 108.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.454 ug/l

RT: 2.20 min Scan# 183

Delta R.T. 0.04 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampled :

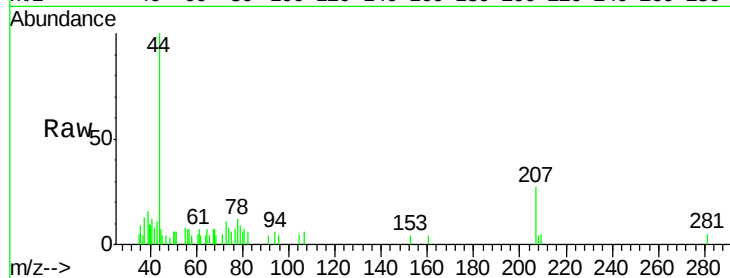
VX0706WBL01

Tgt Ion: 74 Resp: 124

Ion Ratio Lower Upper

74 100

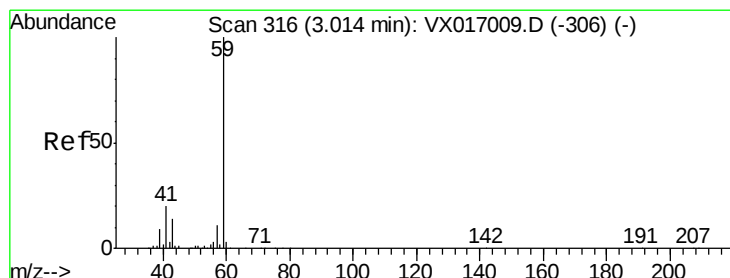
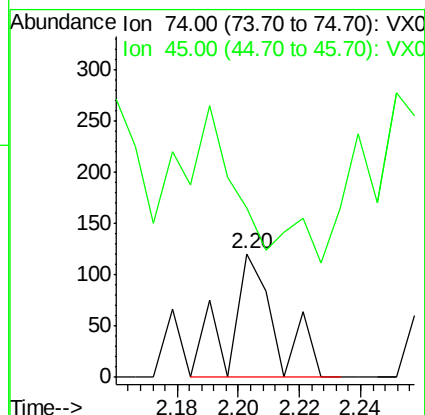
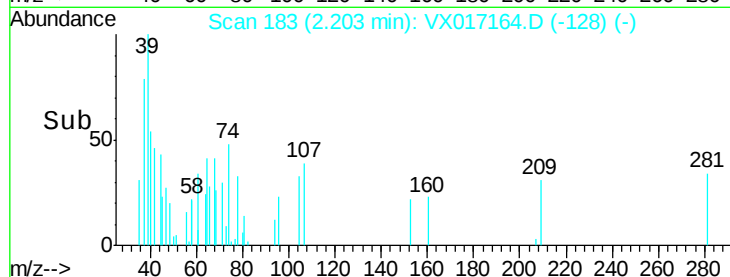
45 94.4 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

Time-->



#11

Tert butyl alcohol

Concen: 0.279 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017164.D

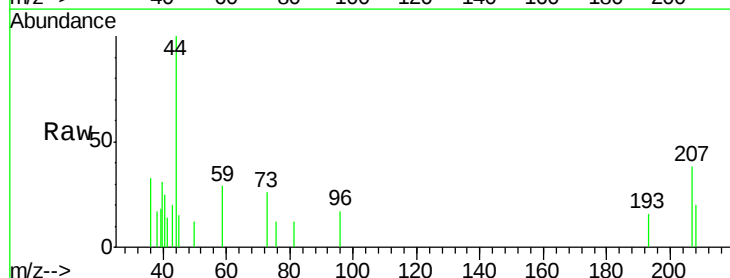
Acq: 06 Jul 2020 13:47

Tgt Ion: 59 Resp: 169

Ion Ratio Lower Upper

59 100

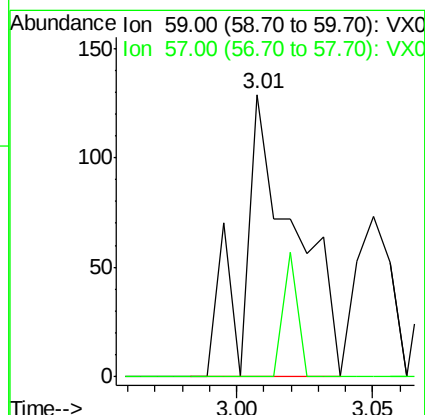
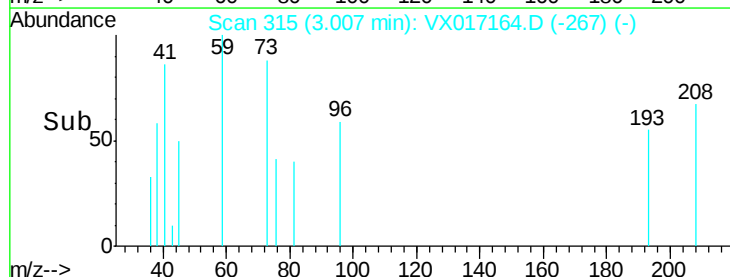
57 12.4 8.2 12.2#

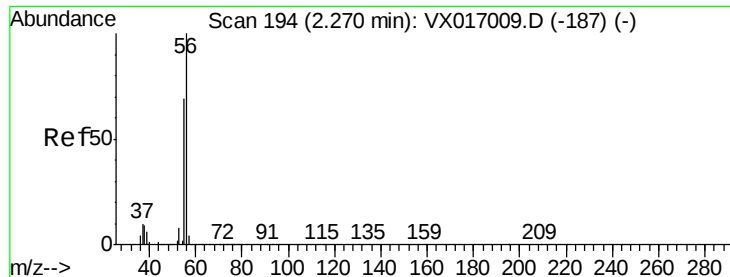


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Time-->





#13

Acrolein

Concen: 0.673 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

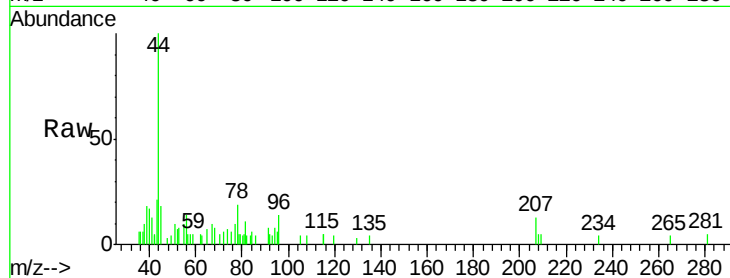
VX0706WBL01

Tgt Ion: 56 Resp: 244

Ion Ratio Lower Upper

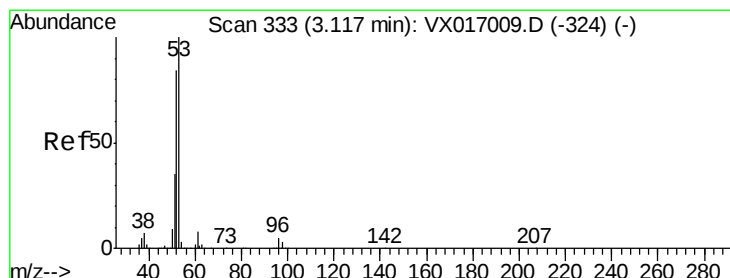
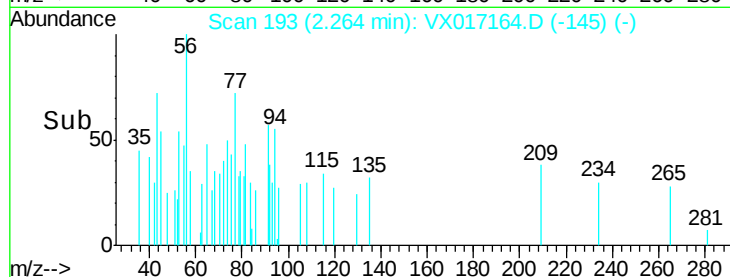
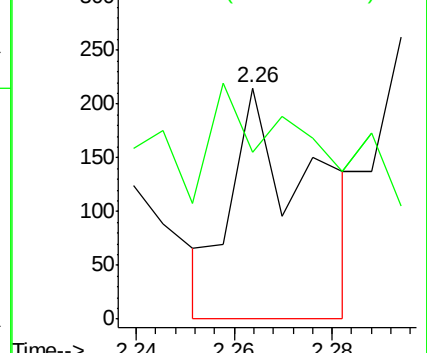
56 100

55 108.6 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.294 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

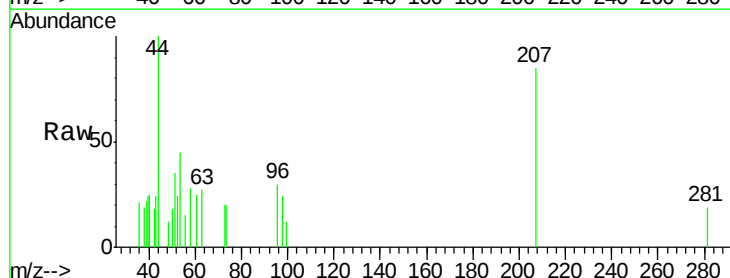
Tgt Ion: 53 Resp: 428

Ion Ratio Lower Upper

53 100

52 0.0 65.6 98.4#

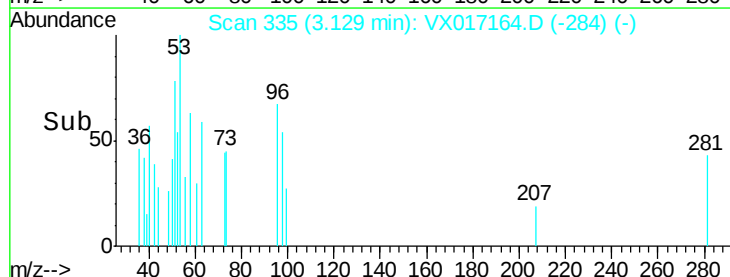
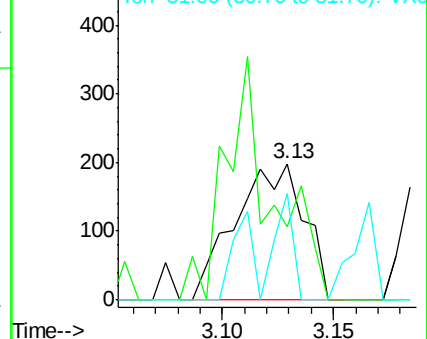
51 20.8 28.3 42.5#

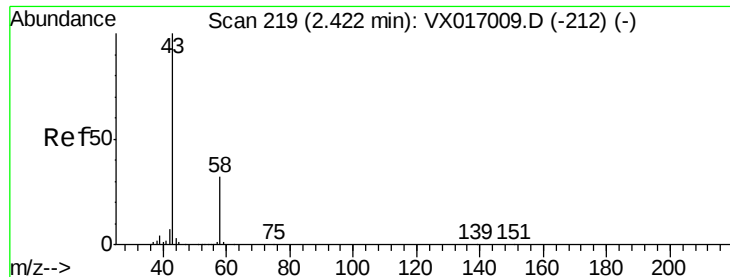


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.394 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

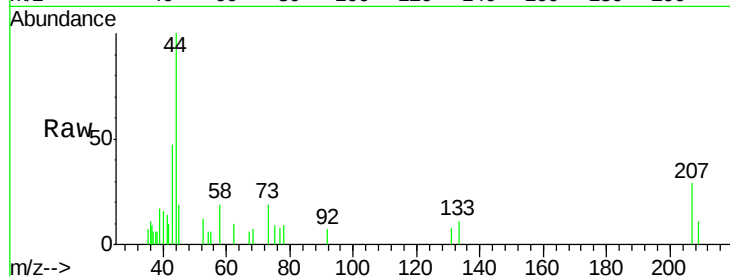
VX0706WBL01

Tgt Ion: 43 Resp: 468

Ion Ratio Lower Upper

43 100

58 53.8 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

400

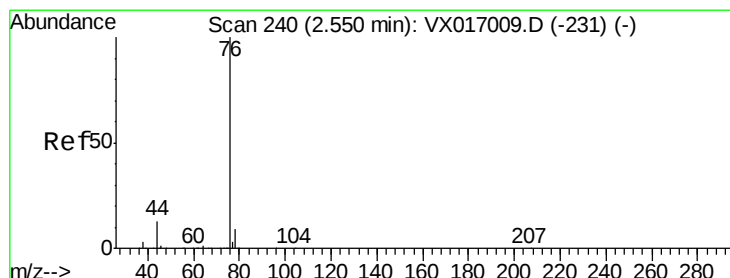
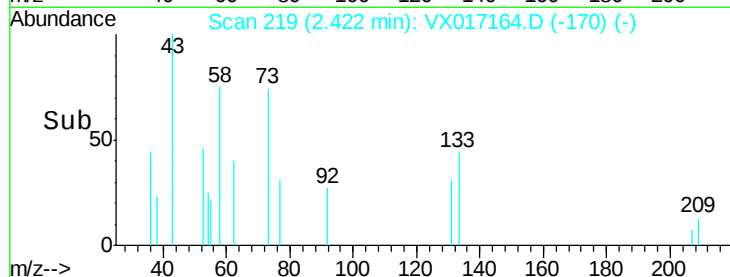
300

200

100

0

Time--> 2.38 2.40 2.42 2.44 2.46



#17

Carbon Disulfide

Concen: 0.336 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017164.D

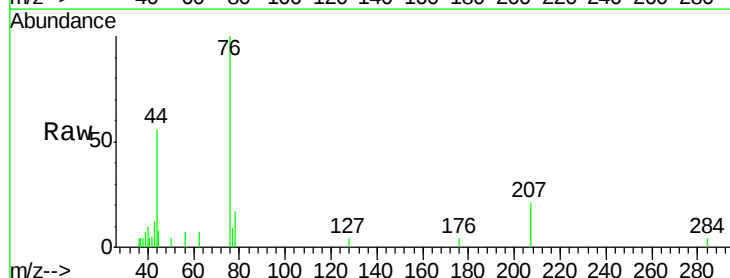
Acq: 06 Jul 2020 13:47

Tgt Ion: 76 Resp: 2227

Ion Ratio Lower Upper

76 100

78 16.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

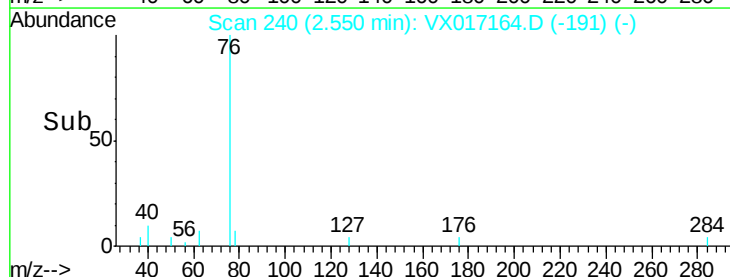
1500

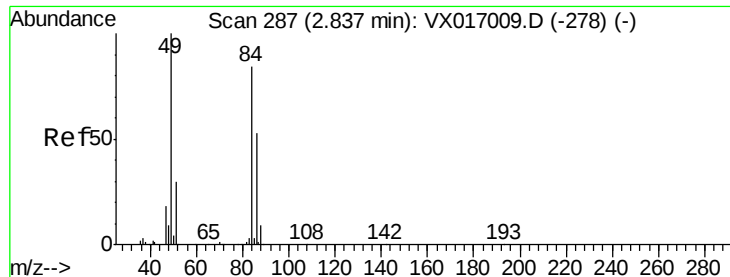
1000

500

0

Time--> 2.50 2.55 2.60

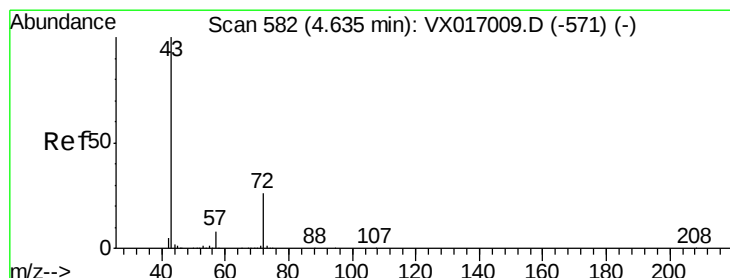
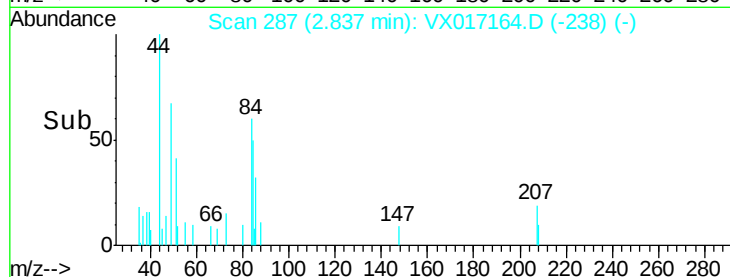
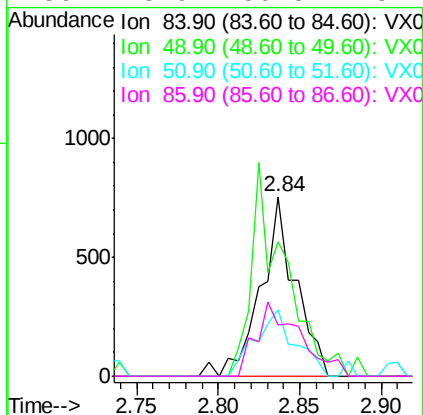
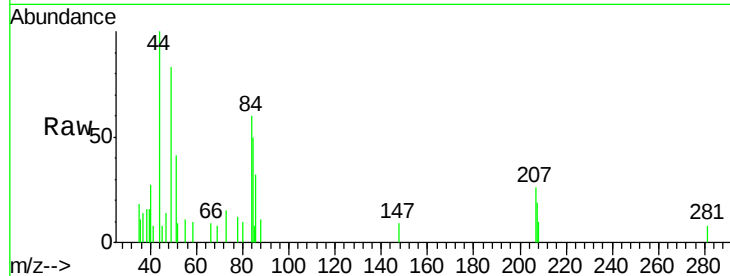




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017164.D
Acq: 06 Jul 2020 13:47

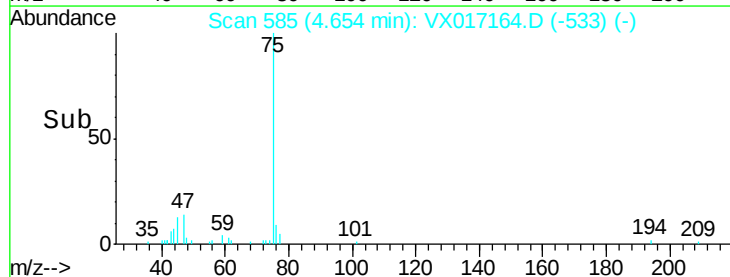
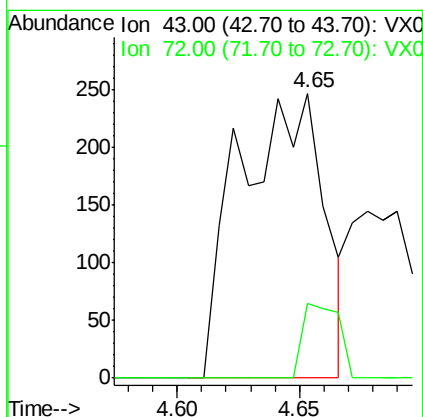
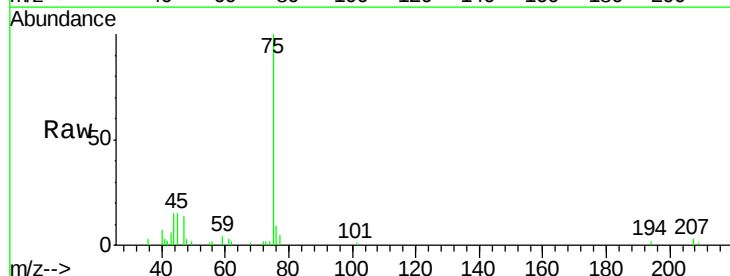
Instrument :
MSVOA_X
ClientSampled :
VX0706WBL01

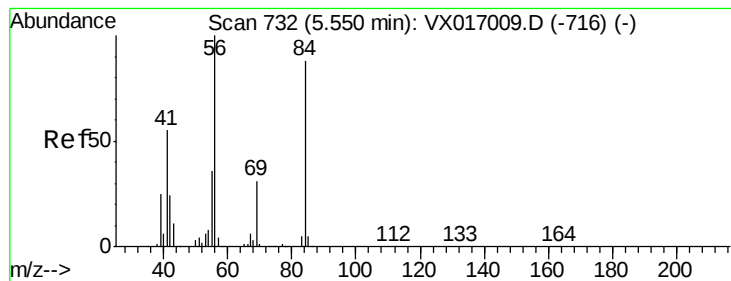
Tgt Ion: 84 Resp: 1116
Ion Ratio Lower Upper
84 100
49 74.9 94.7 142.1#
51 37.0 28.6 42.8
86 28.9 50.5 75.7#



#25
2-Butanone
Concen: 0.301 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017164.D
Acq: 06 Jul 2020 13:47

Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
72 25.9 20.8 31.2





#31

Cyclohexane

Concen: 1.257 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBL01

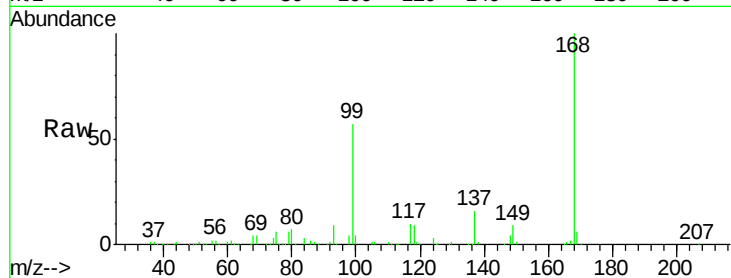
Tgt Ion: 56 Resp: 5396

Ion Ratio Lower Upper

56 100

69 147.2 25.0 37.4#

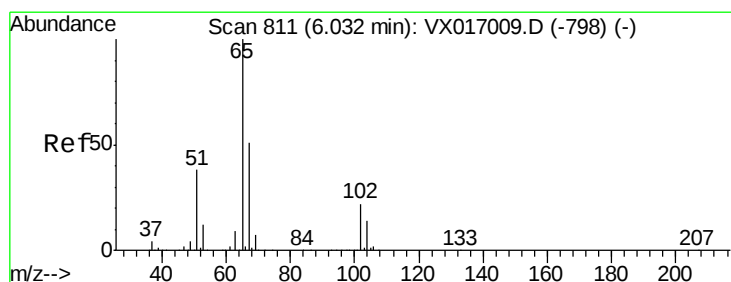
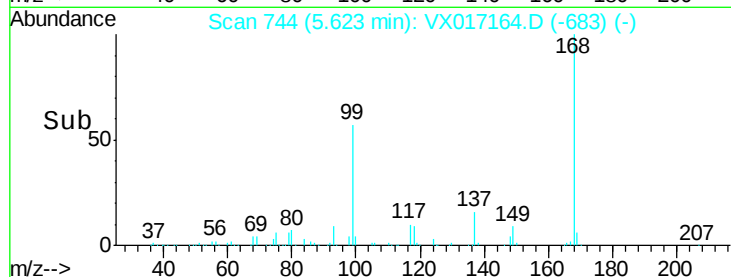
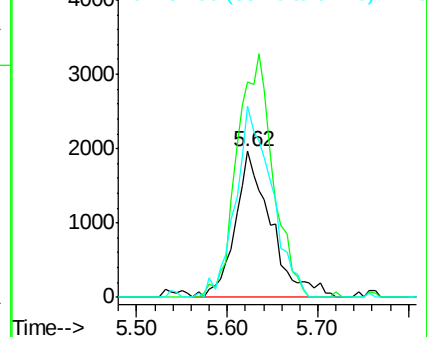
84 131.0 69.1 103.7#



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: 50.647 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017164.D

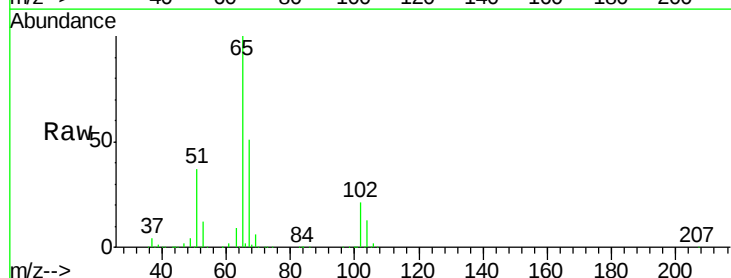
Acq: 06 Jul 2020 13:47

Tgt Ion: 65 Resp: 160985

Ion Ratio Lower Upper

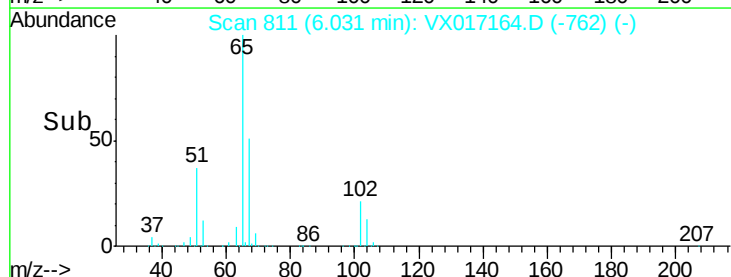
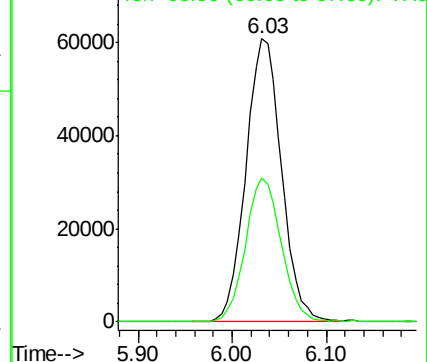
65 100

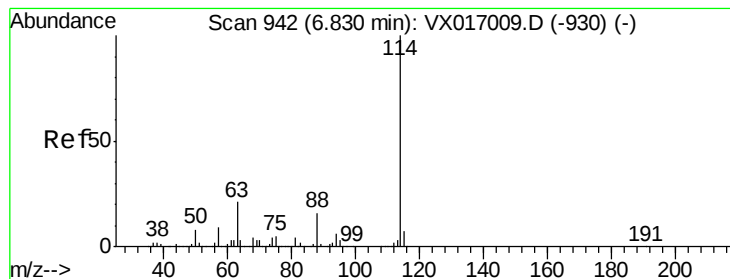
67 51.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBL01

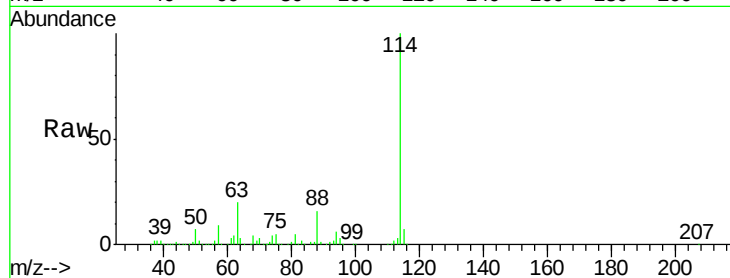
Tgt Ion:114 Resp: 418028

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

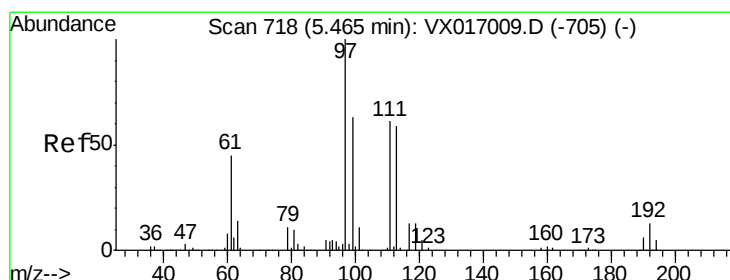
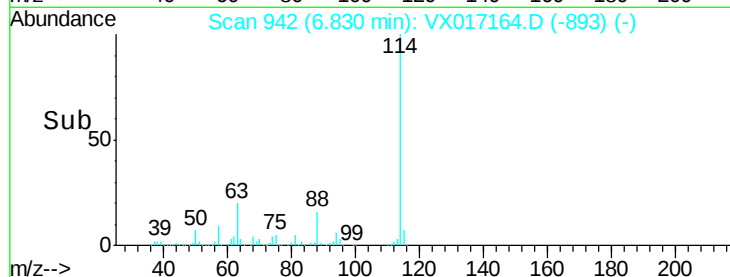
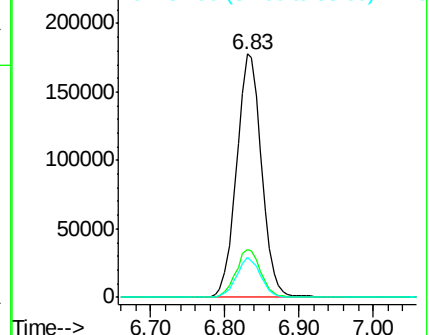
88 16.3 0.0 32.4



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: 51.578 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

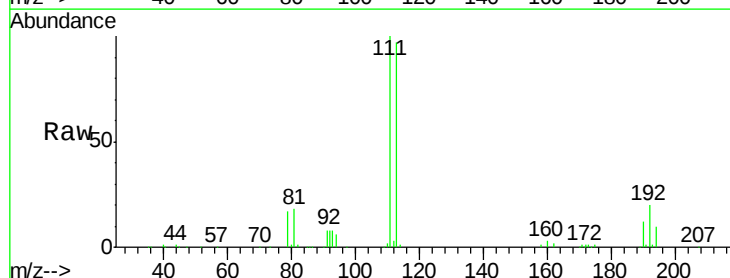
Tgt Ion:113 Resp: 136388

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

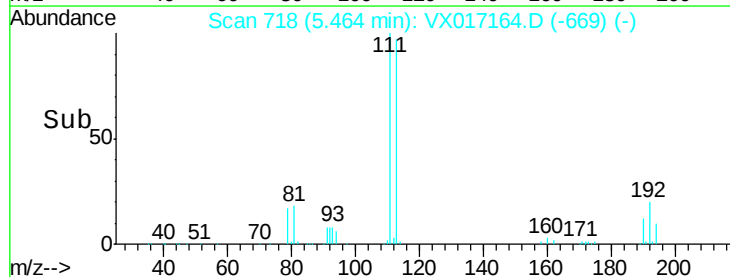
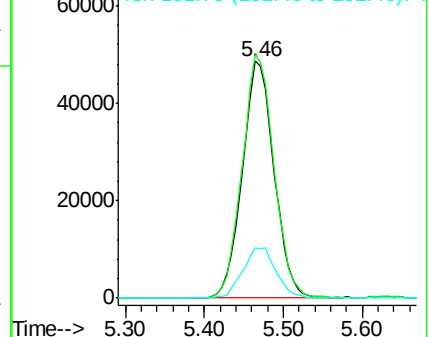
192 22.2 16.7 25.1

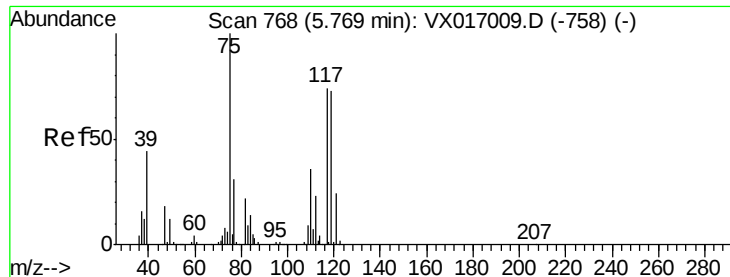


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.519 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBL01

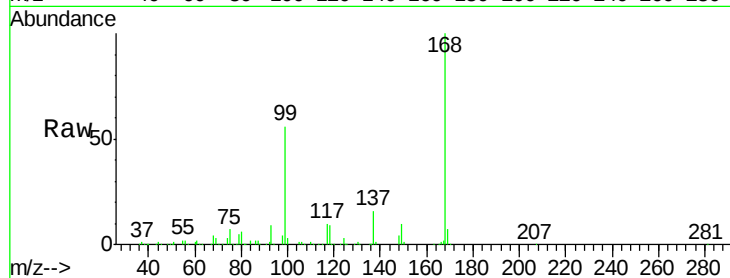
Tgt Ion: 75 Resp: 17853

Ion Ratio Lower Upper

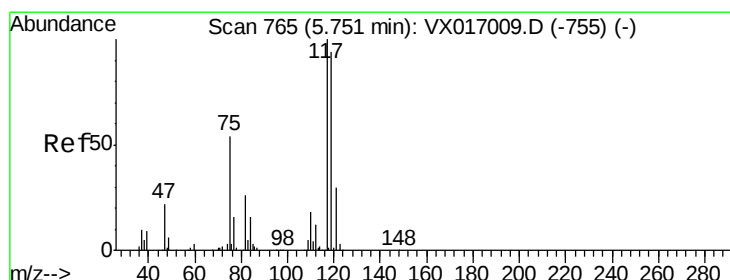
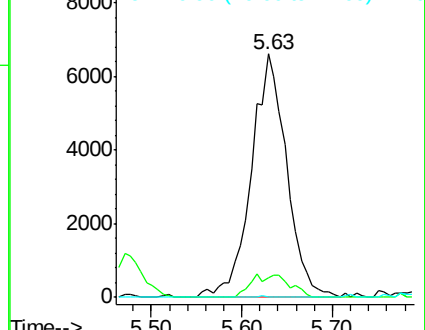
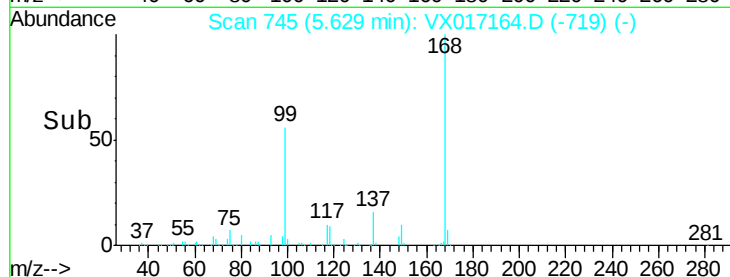
75 100

110 3.8 18.1 54.1#

77 0.1 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX017164.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.680 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

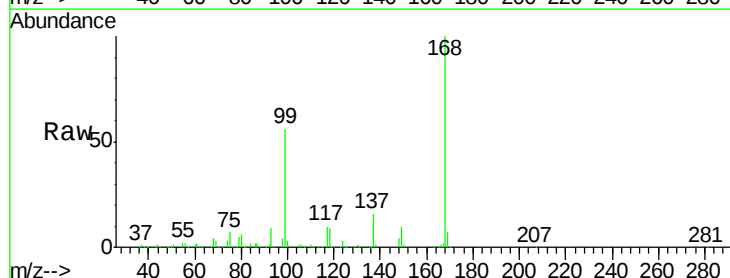
Tgt Ion: 117 Resp: 24717

Ion Ratio Lower Upper

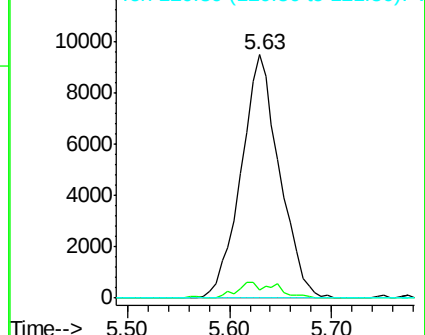
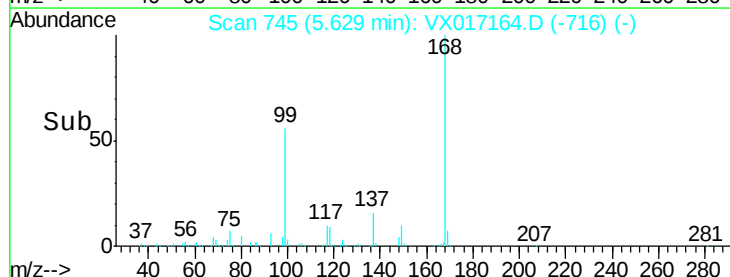
117 100

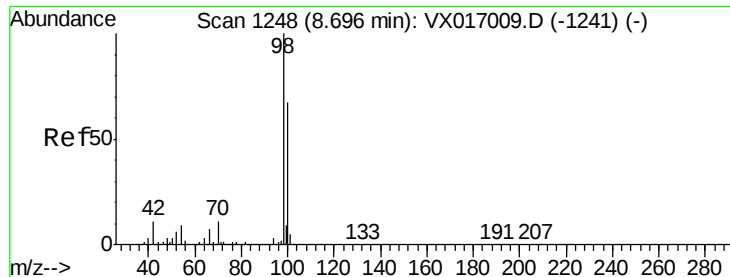
119 3.5 75.4 113.0#

121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): VX017164.D (-716) (-)





#50

Toluene-d8

Concen: 51.475 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

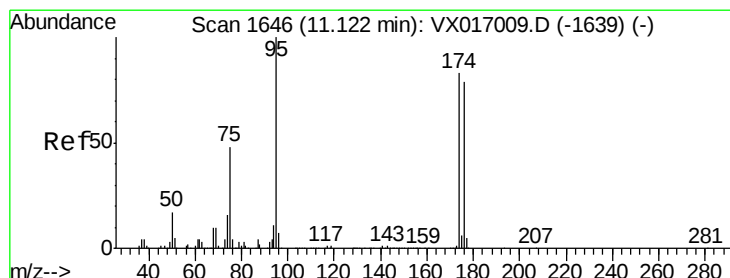
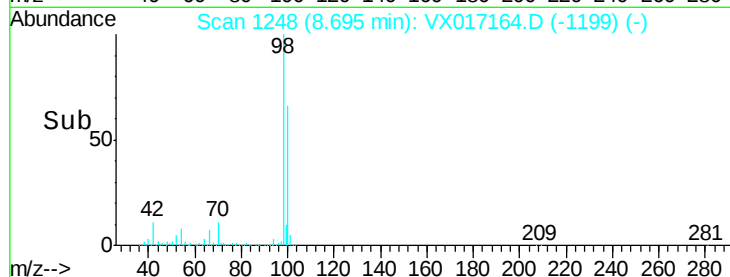
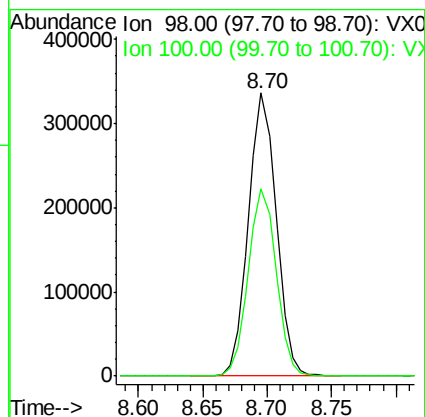
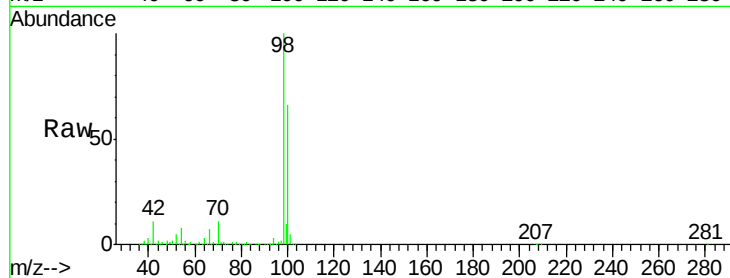
VX0706WBL01

Tgt Ion: 98 Resp: 503335

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 56.033 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

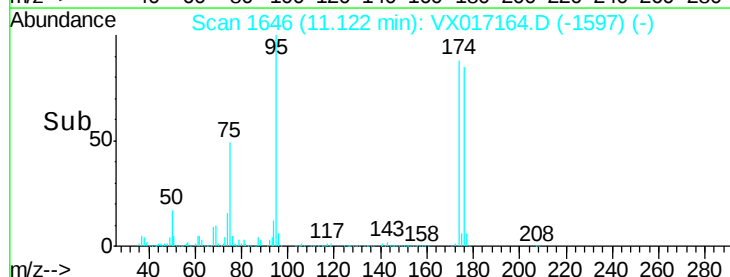
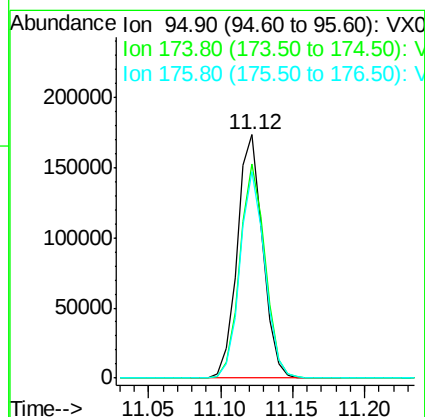
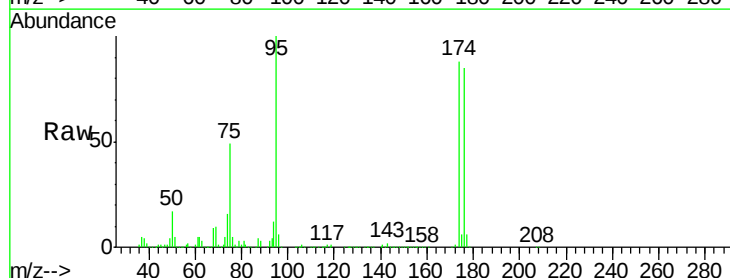
Tgt Ion: 95 Resp: 214181

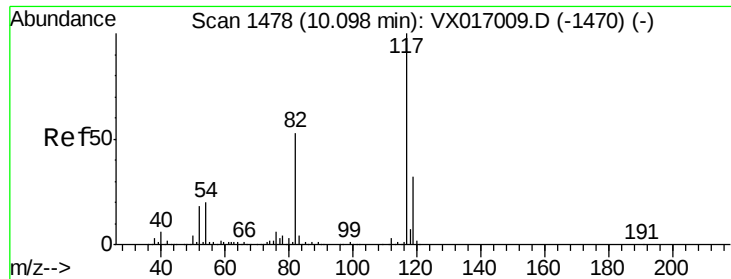
Ion Ratio Lower Upper

95 100

174 87.2 0.0 164.0

176 82.8 0.0 157.6

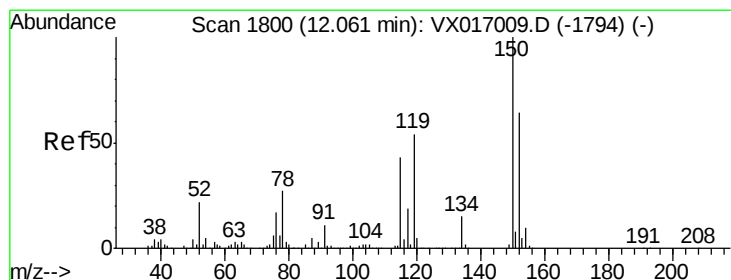
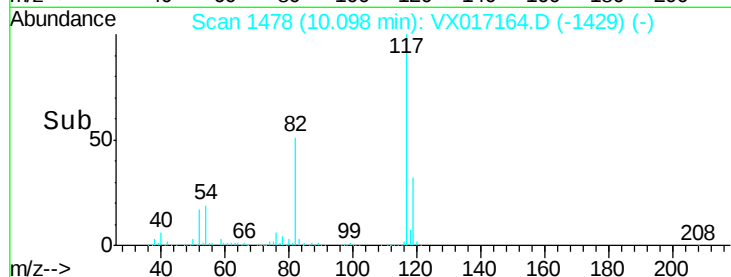
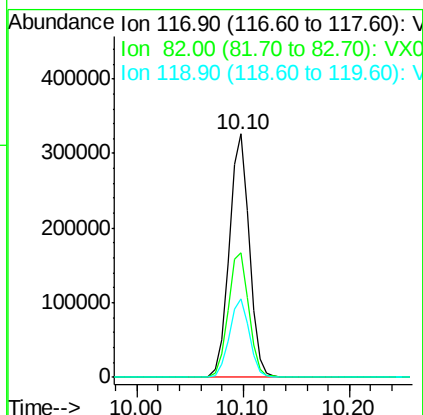
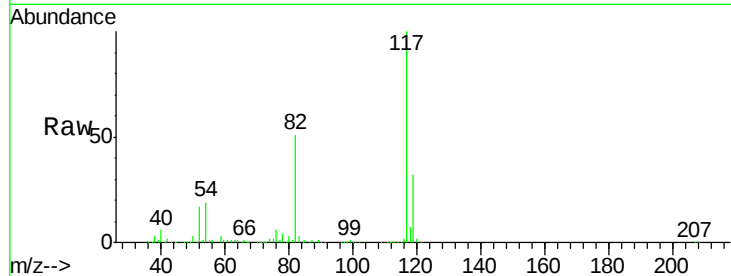




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017164.D
Acq: 06 Jul 2020 13:47

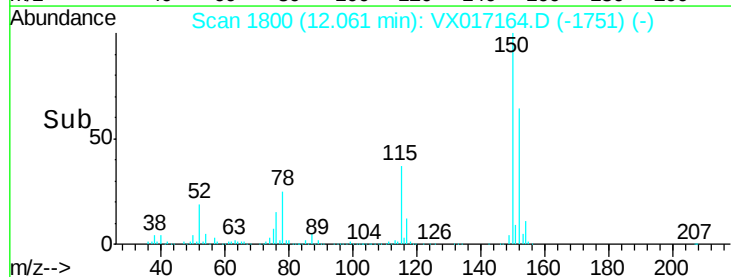
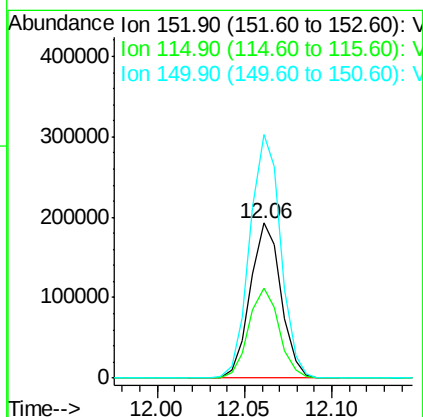
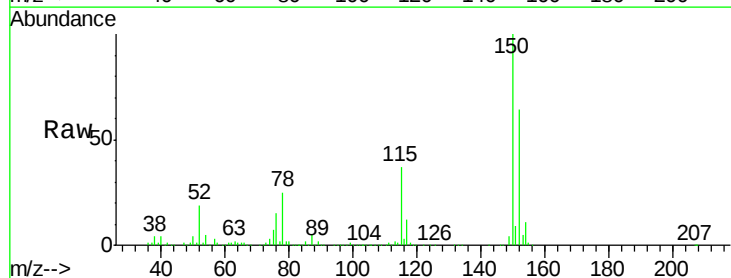
Instrument :
MSVOA_X
ClientSampleId :
VX0706WBL01

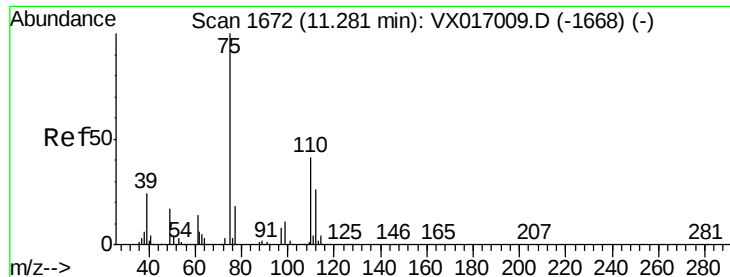
Tgt Ion:117 Resp: 430358
Ion Ratio Lower Upper
117 100
82 51.3 42.6 63.8
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017164.D
Acq: 06 Jul 2020 13:47

Tgt Ion:152 Resp: 236285
Ion Ratio Lower Upper
152 100
115 57.4 40.9 122.7
150 157.4 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 22.949 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

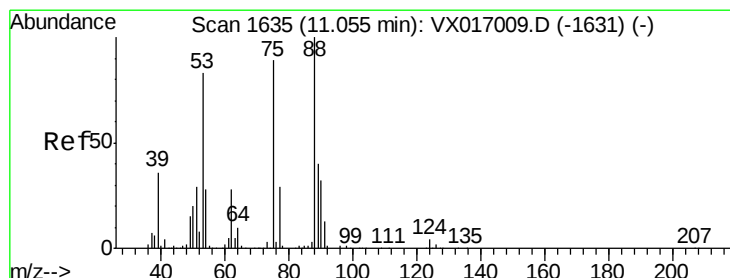
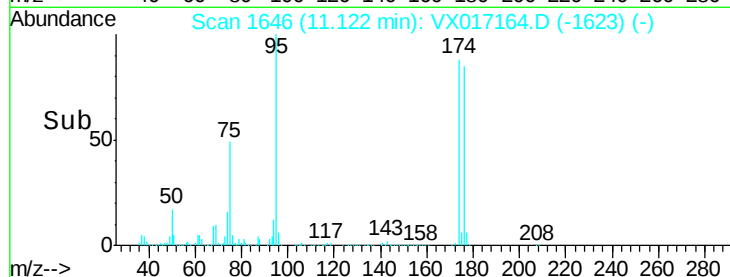
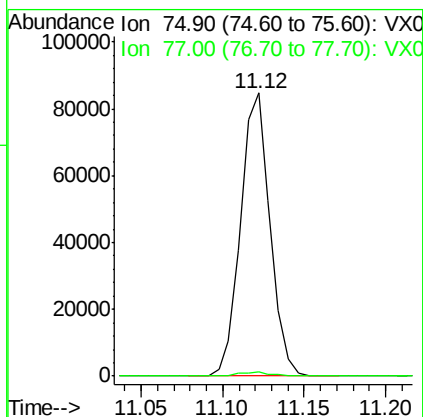
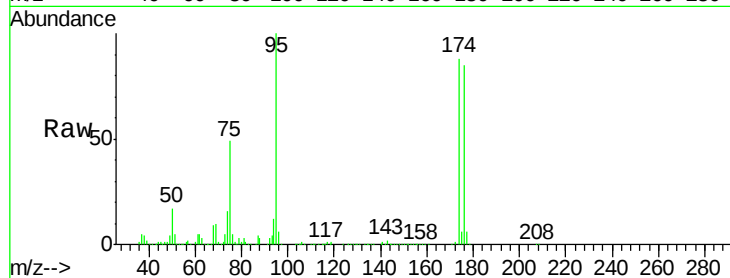
VX0706WBL01

Tgt Ion: 75 Resp: 106632

Ion Ratio Lower Upper

75 100

77 1.5 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.431 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

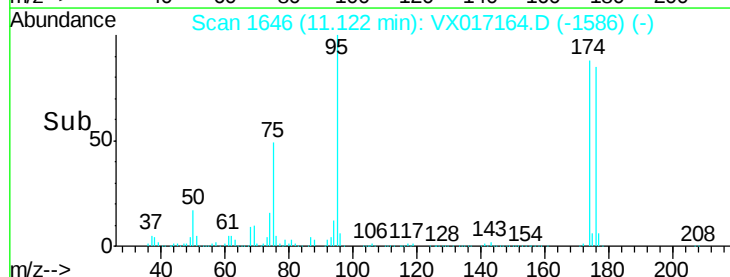
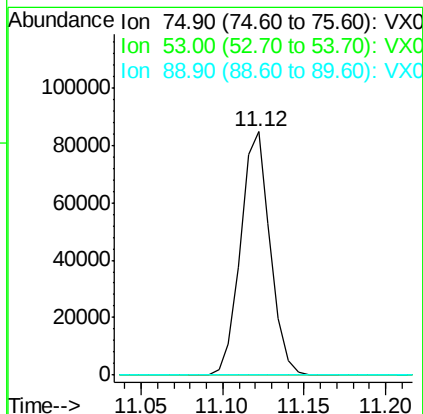
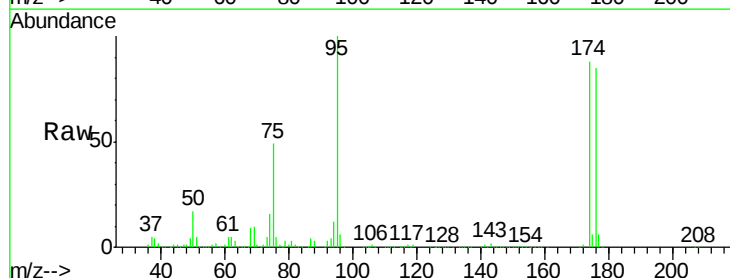
Tgt Ion: 75 Resp: 106632

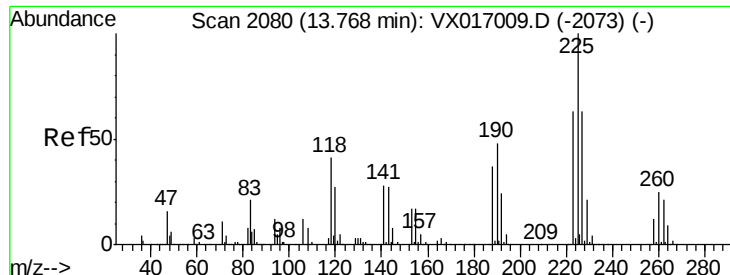
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 1.057 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017164.D

Acq: 06 Jul 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBL01

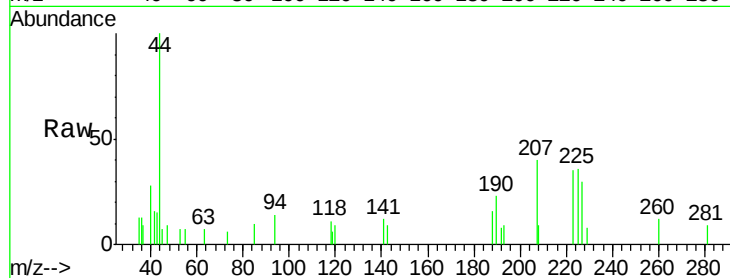
Tgt Ion: 225 Resp: 404

Ion Ratio Lower Upper

225 100

223 75.5 32.5 97.5

227 67.8 33.1 99.2



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

