

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017313.D
 Acq On : 09 Jul 2020 17:19
 Operator : JC/SP
 Sample : VX0709WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBL02

Quant Time: Jul 10 07:04:13 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	252936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	417978	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	426690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222229	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	163268	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	5.47	113	138197	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	8.70	98	503740	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.12	95	204329	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	

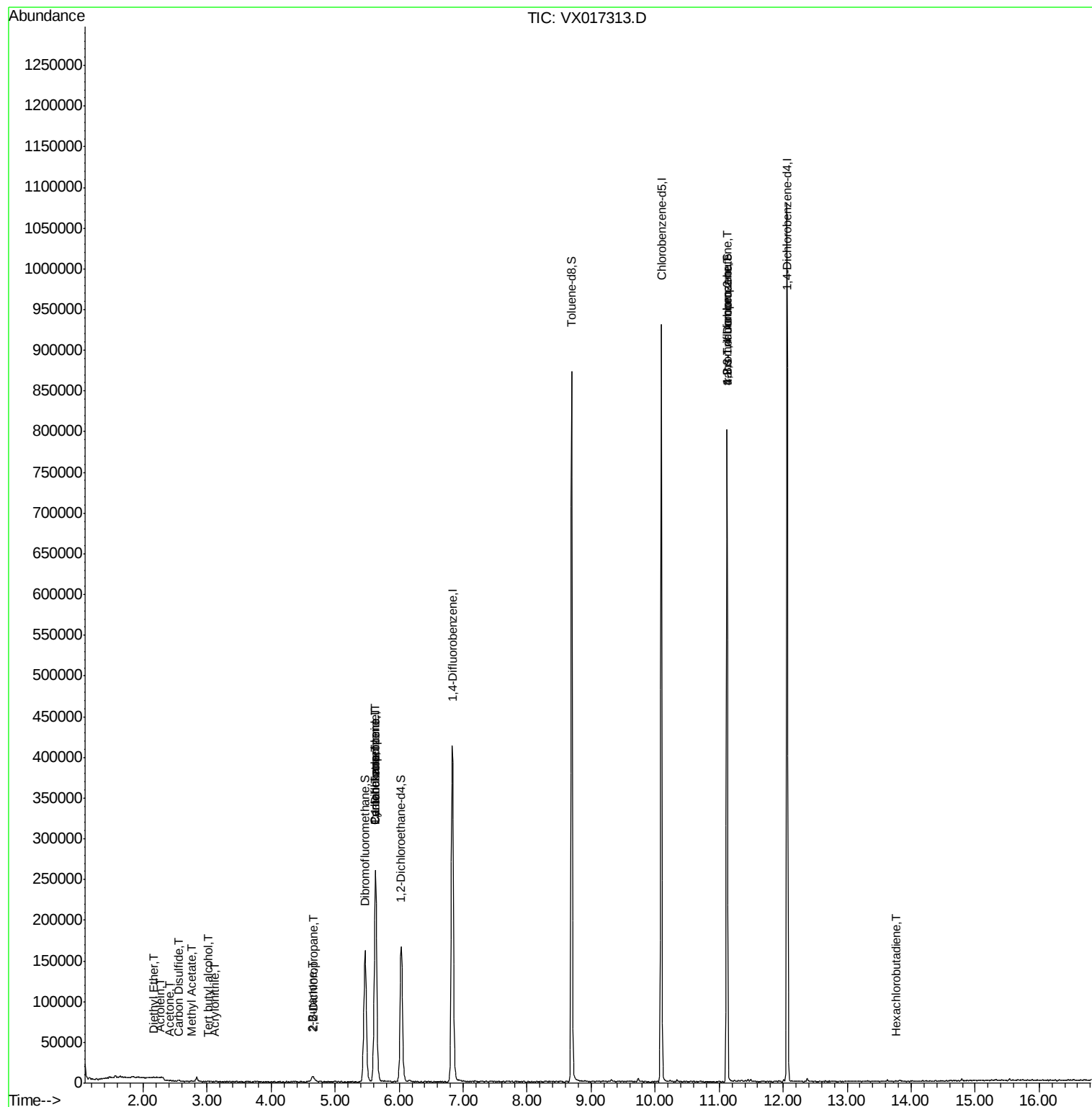
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	68	0.415	ug/l #	1
11) Tert butyl alcohol	3.01	59	327	0.550	ug/l #	73
13) Acrolein	2.26	56	180	0.506	ug/l #	19
15) Acrylonitrile	3.12	53	376	0.263	ug/l #	50
16) Acetone	2.42	43	976	0.837	ug/l #	85
17) Carbon Disulfide	2.56	76	1299	0.209	ug/l #	80
18) Methyl Acetate	2.75	43	662	0.217	ug/l #	67
25) 2-Butanone	4.64	43	432	0.222	ug/l #	49
26) 2,2-Dichloropropane	4.65	77	948	0.219	ug/l #	53
31) Cyclohexane	5.63	56	5220	1.240	ug/l #	3
36) 1,1-Dichloropropene	5.64	75	18335	4.641	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24883	5.719	ug/l #	17
44) Trichloroethene	7.20	130	217	Below Cal		74
76) 1,2,3-Trichloropropane	11.12	75	99921	22.865	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99921	59.213	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	646	Below Cal		88
94) Hexachlorobutadiene	13.76	225	230	0.973	ug/l	78

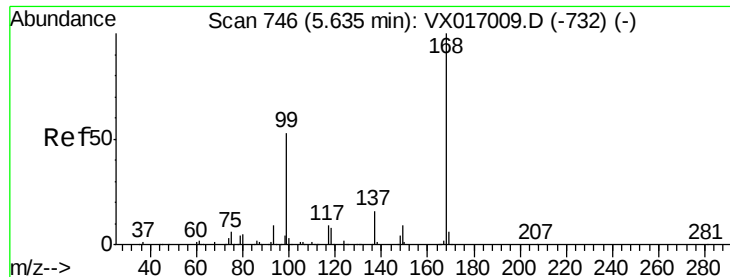
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
VX0709WBL02

Quant Time: Jul 10 07:04:13 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: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampled :

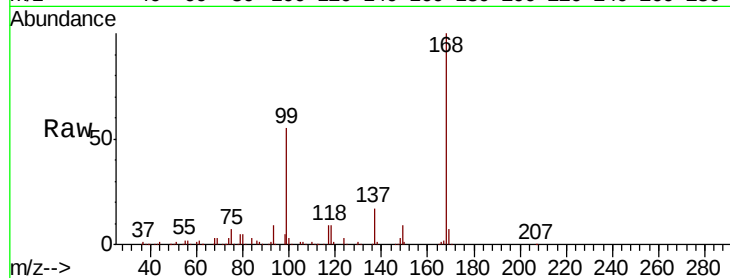
VX0709WBL02

Tot Ion:168 Resp: 252936

Ion Ratio Lower Upper

168 100

99 55.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

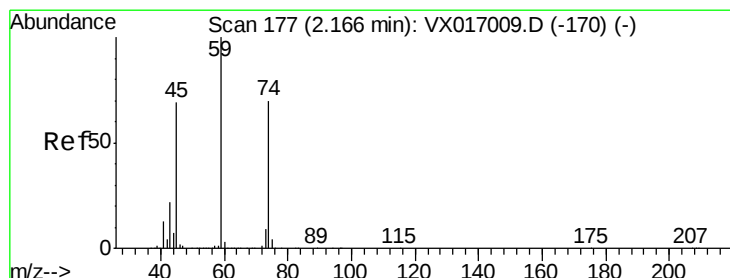
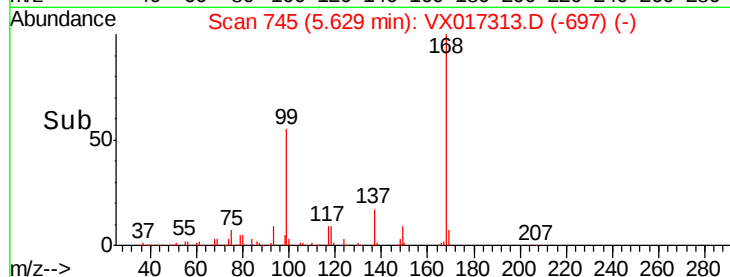
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.415 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017313.D

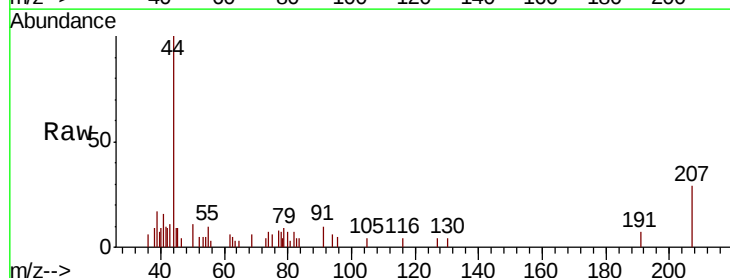
Acq: 09 Jul 2020 17:19

Tgt Ion: 74 Resp: 68

Ion Ratio Lower Upper

74 100

45 0.0 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

300

250

200

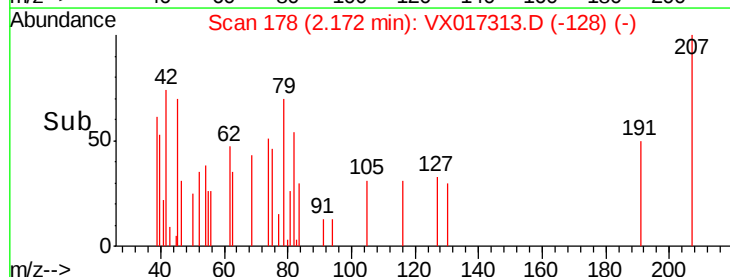
150

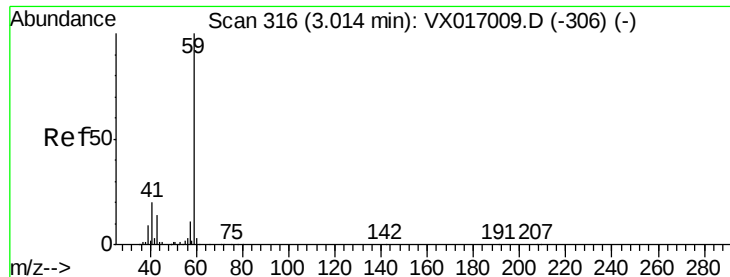
100

50

0

Time-->

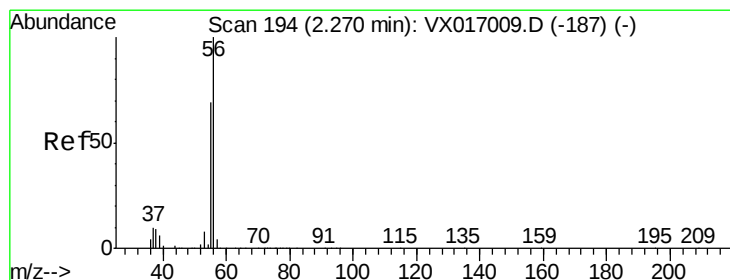
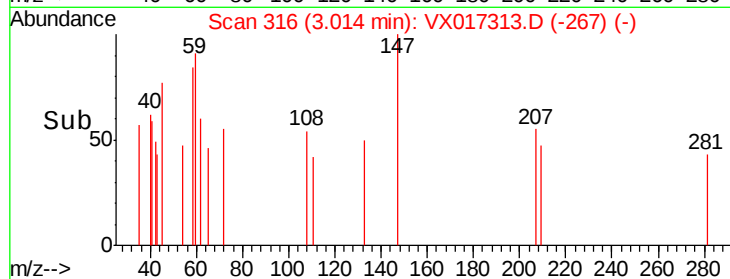
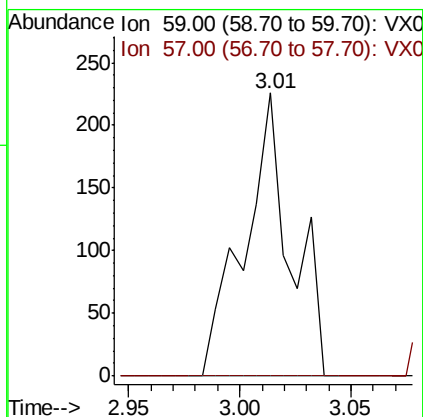
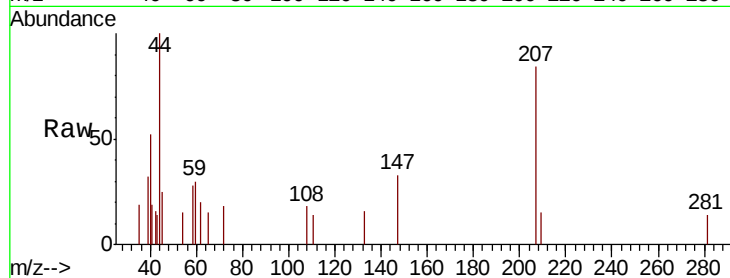




#11
Tert butyl alcohol
Concen: 0.550 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX017313.D
Acq: 09 Jul 2020 17:19

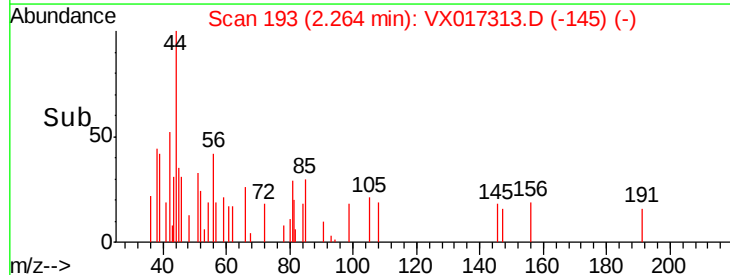
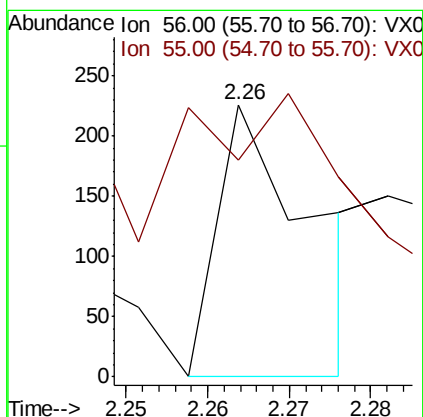
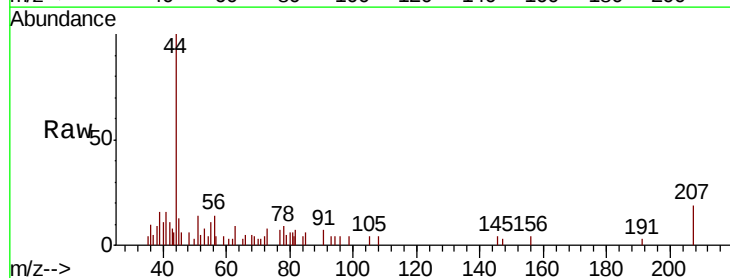
Instrument :
MSVOA_X
ClientSampled :
VX0709WBL02

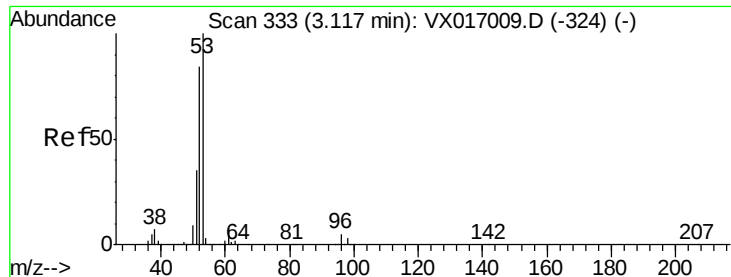
Tot Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.506 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017313.D
Acq: 09 Jul 2020 17:19

Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 136.1 55.7 83.5#





#15

Acrylonitrile

Concen: 0.263 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL02

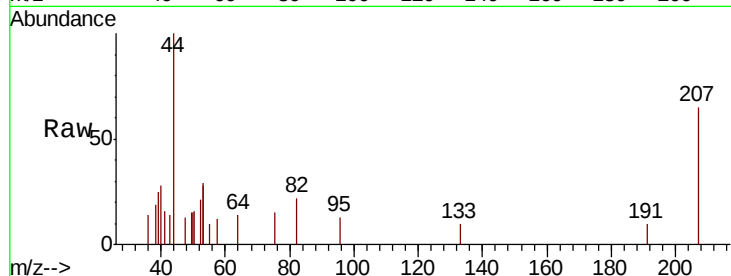
Tot Ion: 53 Resp: 376

Ion Ratio Lower Upper

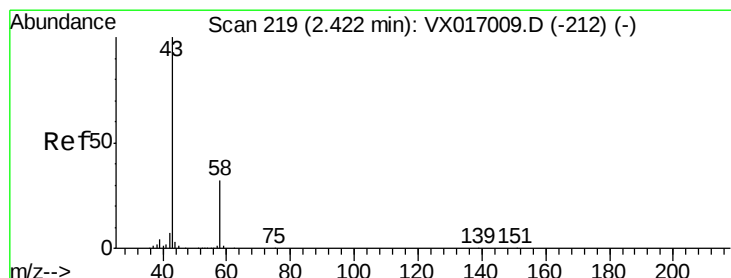
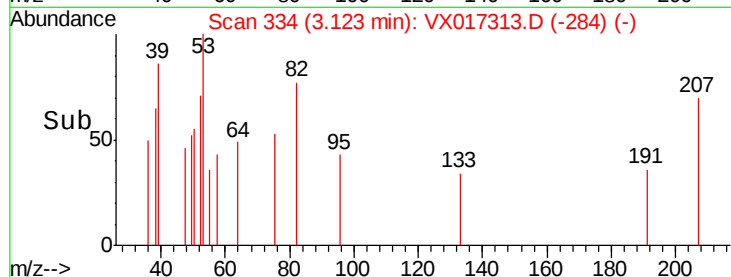
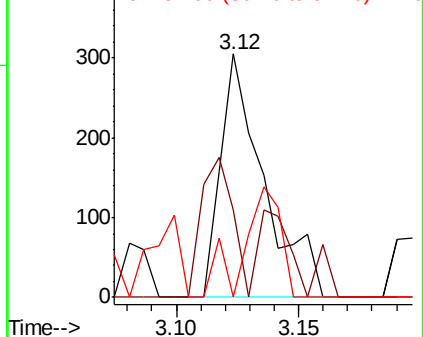
53 100

52 41.5 65.6 98.4#

51 0.0 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: 0.837 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017313.D

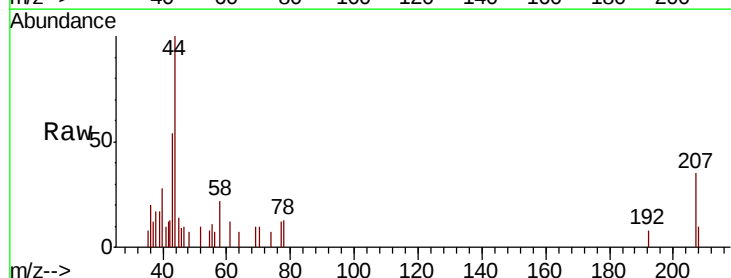
Acq: 09 Jul 2020 17:19

Tgt Ion: 43 Resp: 976

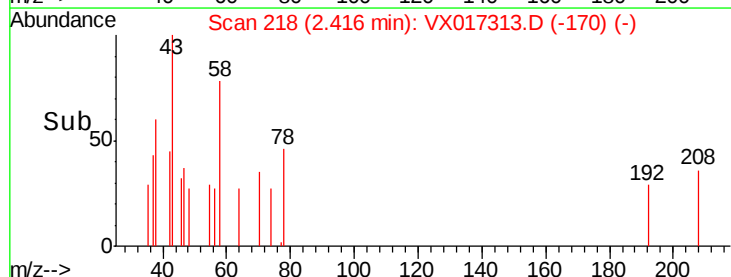
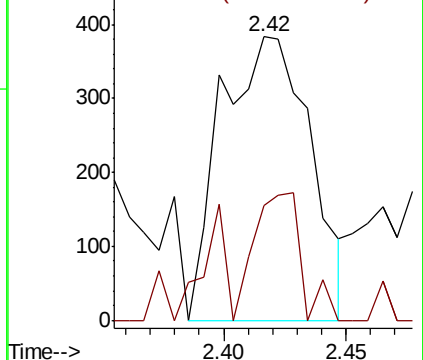
Ion Ratio Lower Upper

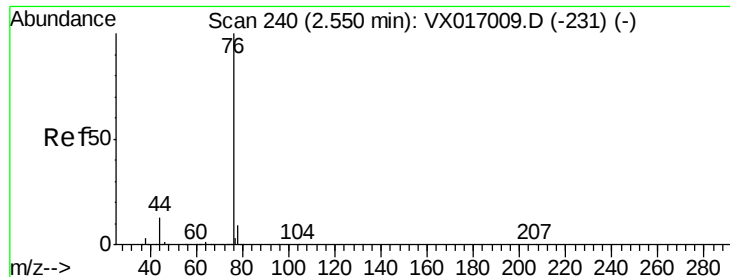
43 100

58 40.7 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

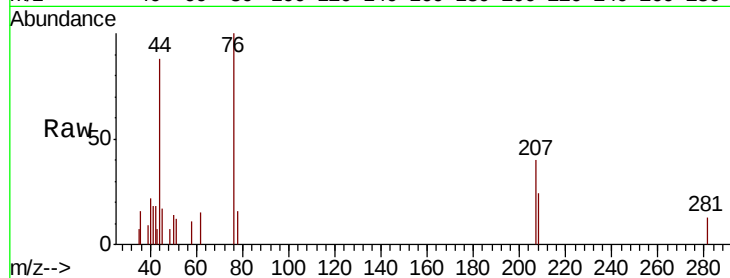
VX0709WBL02

Tot Ion: 76 Resp: 1299

Ion Ratio Lower Upper

76 100

78 16.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800

600

400

200

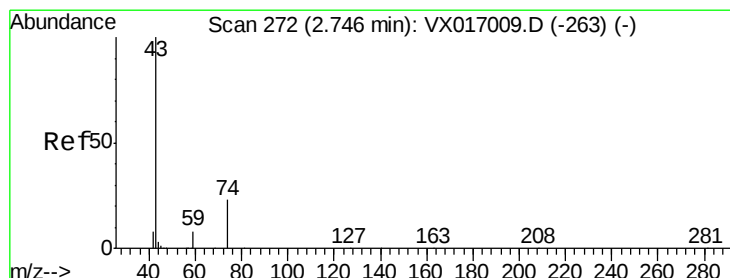
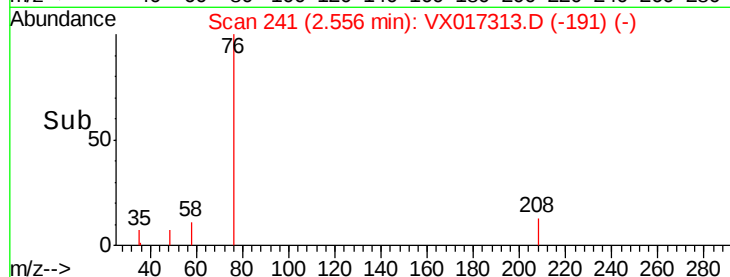
0

2.50

2.55

2.60

Time-->



#18

Methyl Acetate

Concen: 0.217 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017313.D

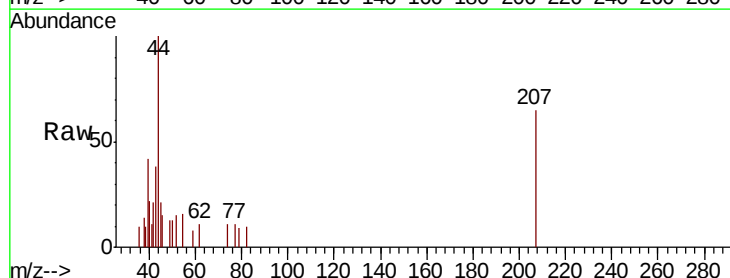
Acq: 09 Jul 2020 17:19

Tgt Ion: 43 Resp: 662

Ion Ratio Lower Upper

43 100

74 7.6 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

250

200

150

100

50

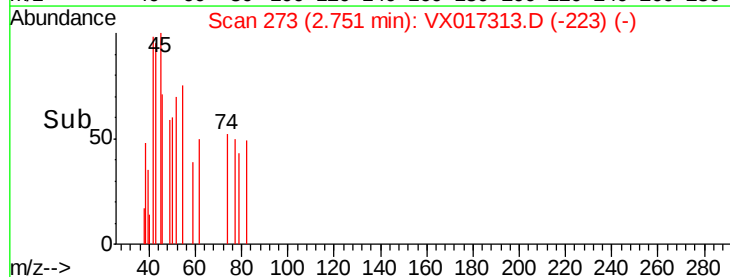
0

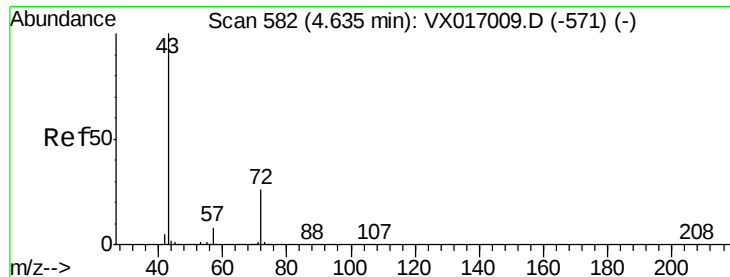
2.70

2.75

2.80

Time-->





#25

2-Butanone

Concen: 0.222 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

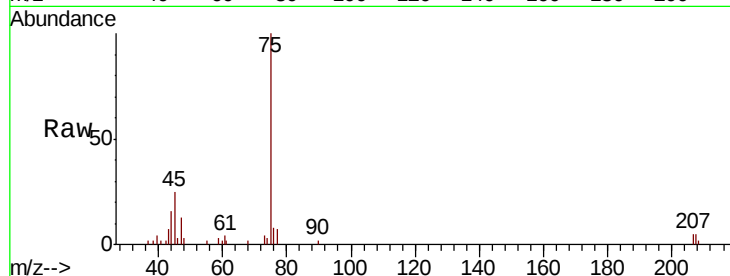
VX0709WBL02

Tot Ion: 43 Resp: 432

Ion Ratio Lower Upper

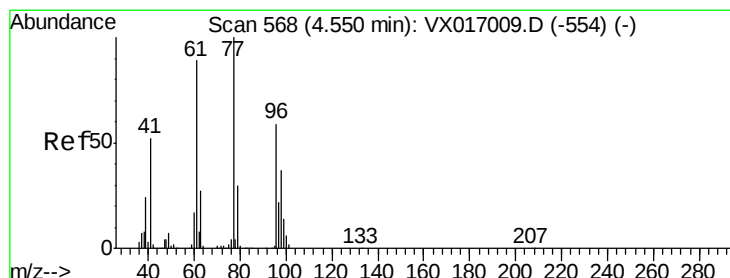
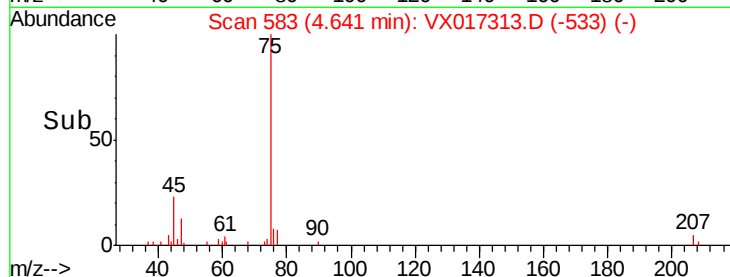
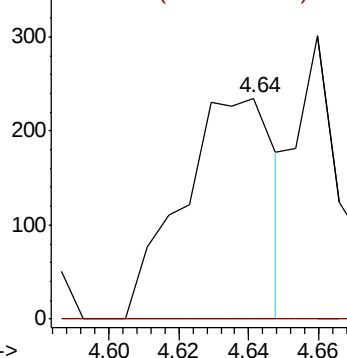
43 100

72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.219 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.10 min

Lab File: VX017313.D

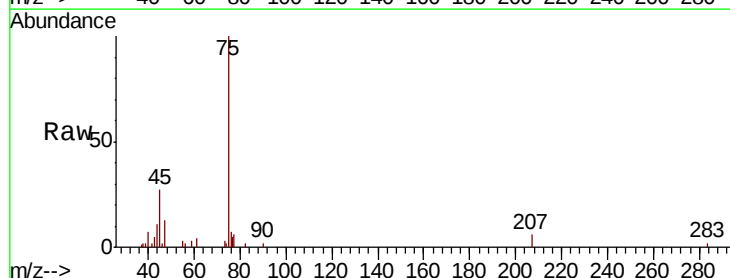
Acq: 09 Jul 2020 17:19

Tgt Ion: 77 Resp: 948

Ion Ratio Lower Upper

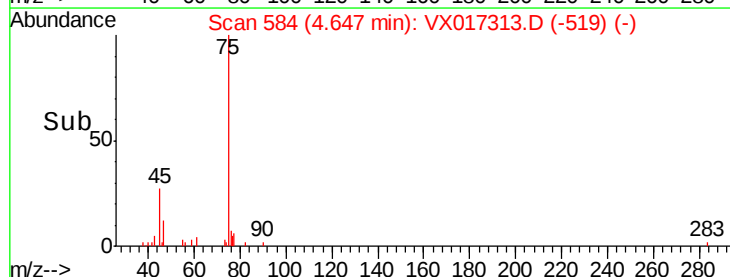
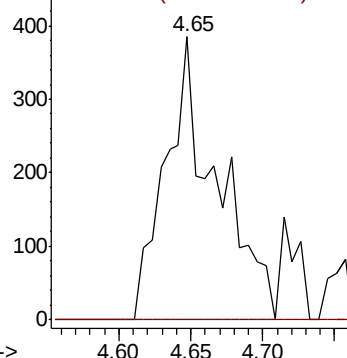
77 100

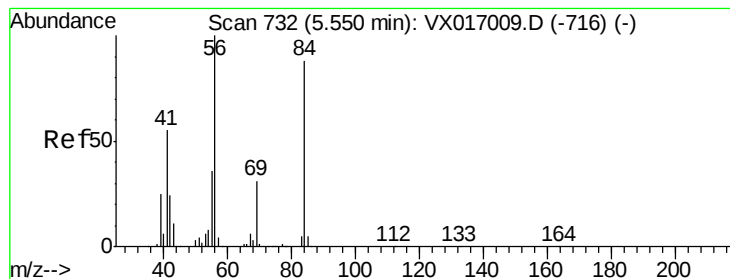
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#31

Cvclohexane

Concen: 1.240 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL02

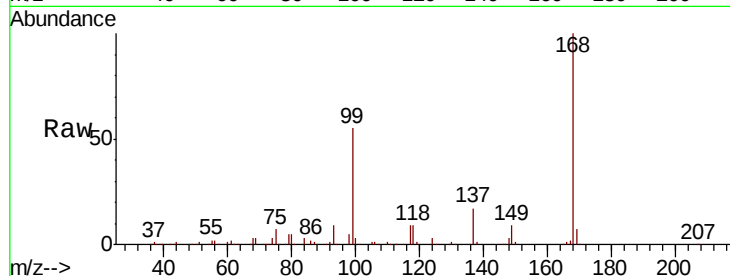
Tot Ion: 56 Resp: 5220

Ion Ratio Lower Upper

56 100

69 130.0 25.0 37.4#

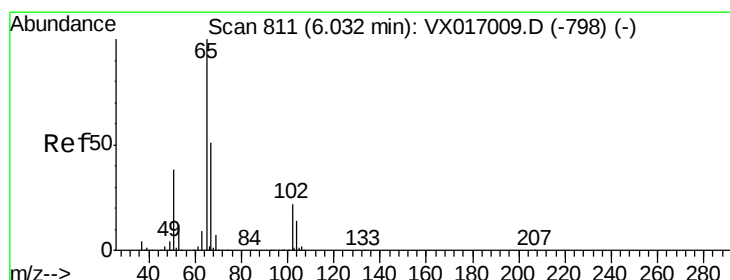
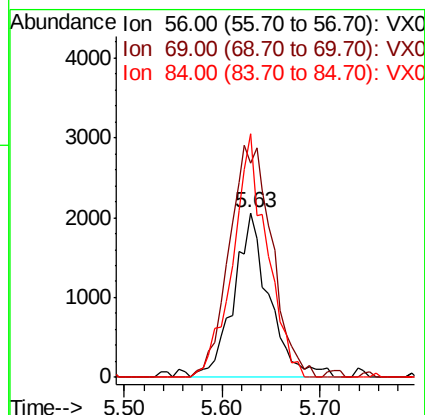
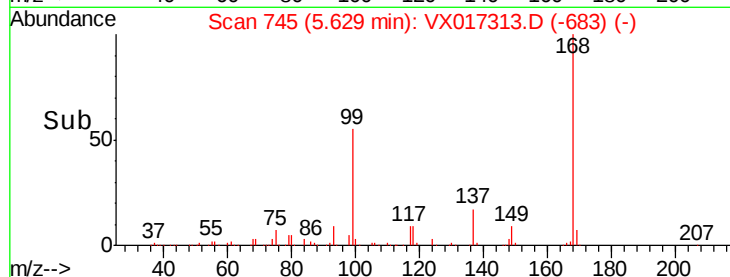
84 148.1 69.1 103.7#



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: 52.360 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017313.D

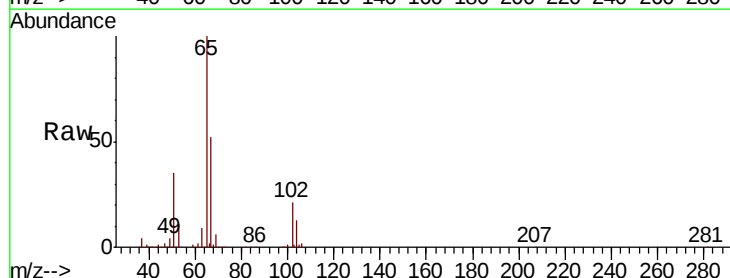
Acq: 09 Jul 2020 17:19

Tgt Ion: 65 Resp: 163268

Ion Ratio Lower Upper

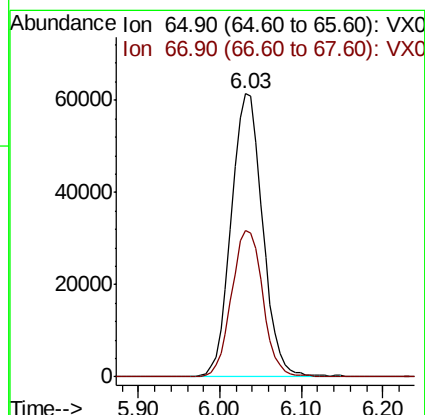
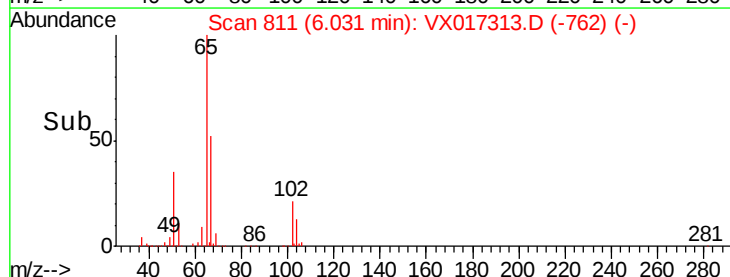
65 100

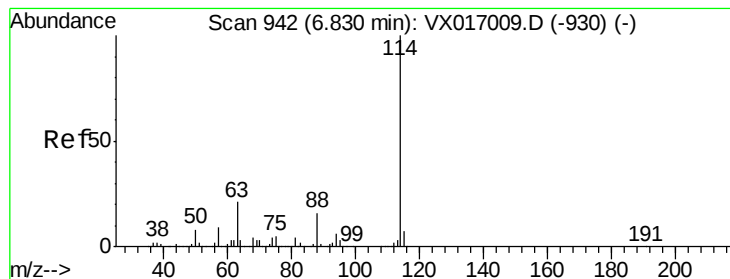
67 51.5 0.0 103.8



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: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL02

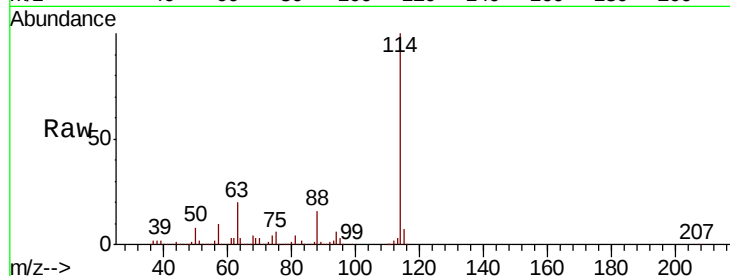
Tot Ion:114 Resp: 417978

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

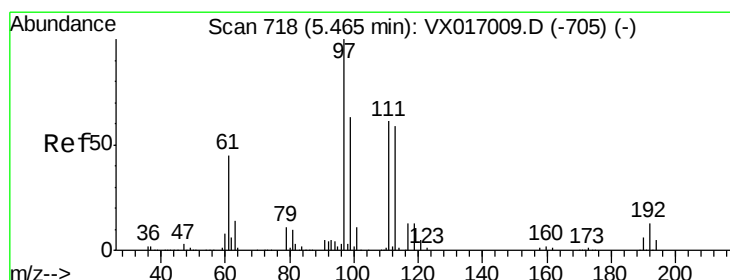
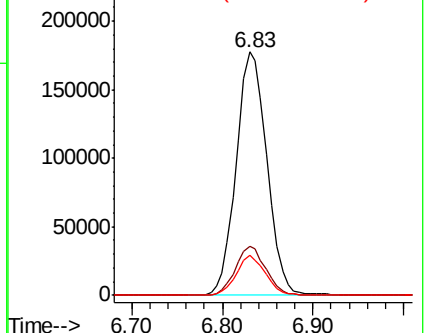
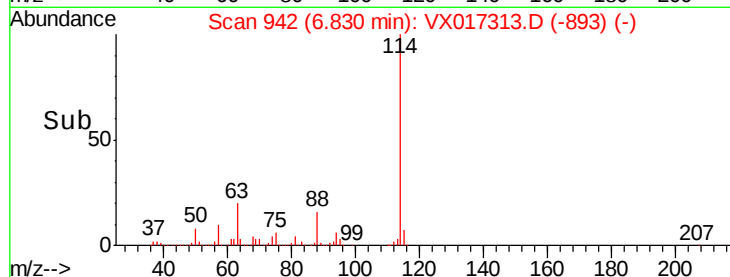
88 16.5 0.0 32.4



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: 52.268 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

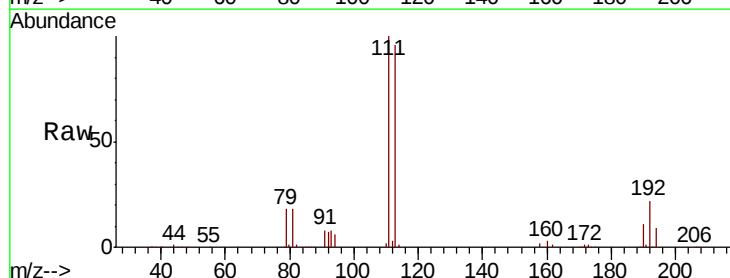
Tgt Ion:113 Resp: 138197

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

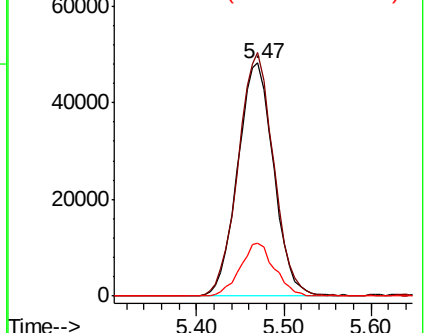
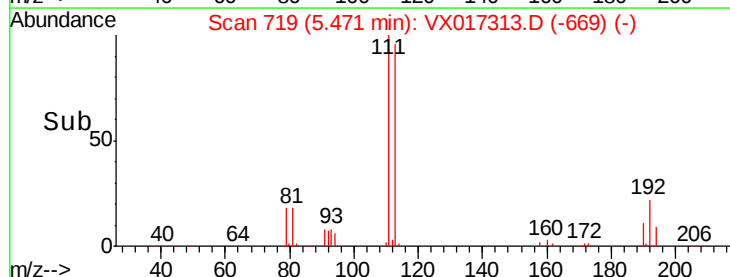
192 21.8 16.7 25.1

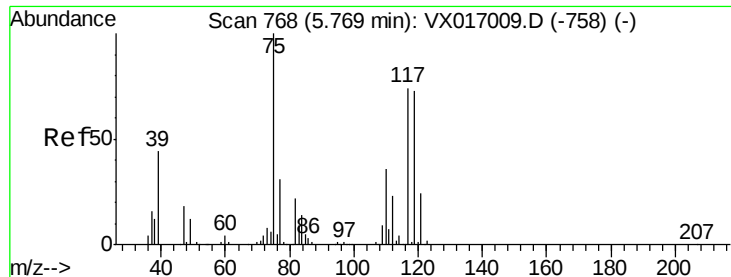


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.641 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL02

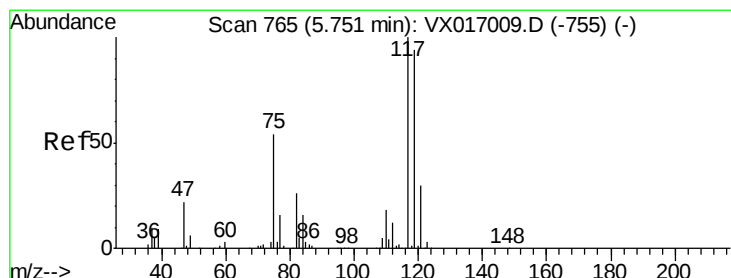
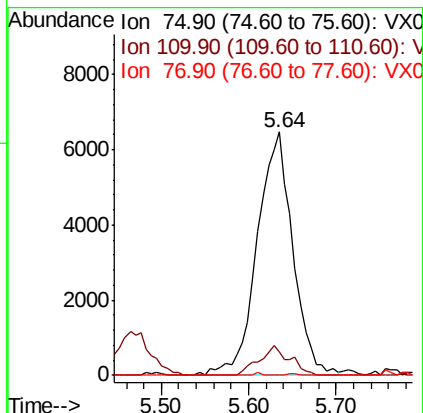
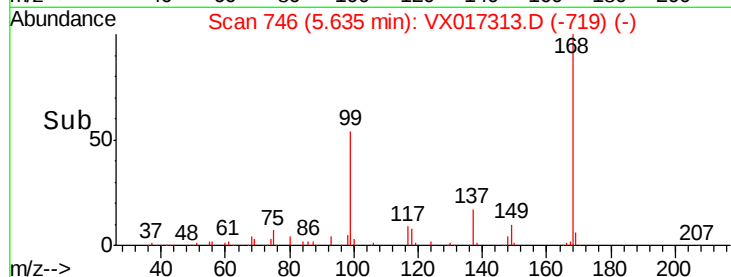
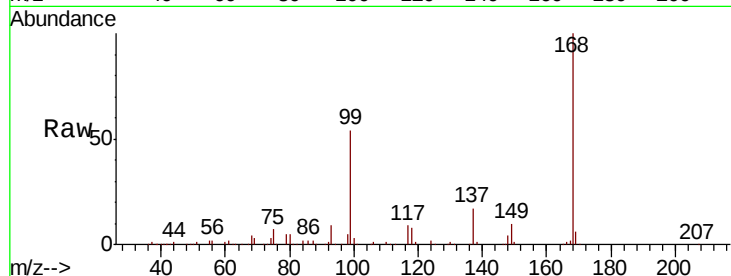
Tot Ion: 75 Resp: 18335

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.719 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

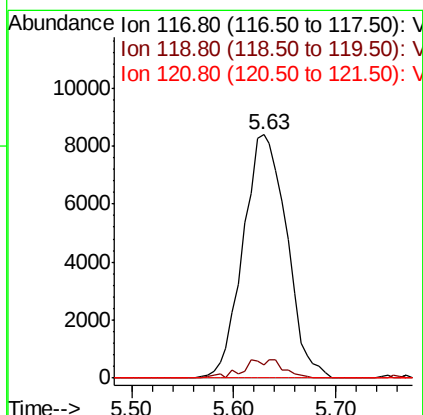
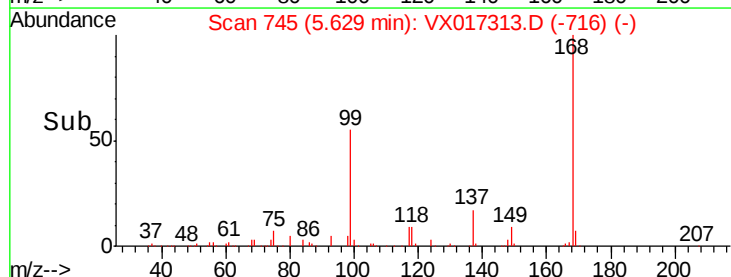
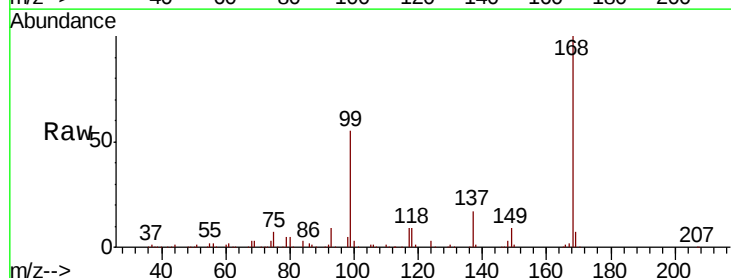
Tgt Ion:117 Resp: 24883

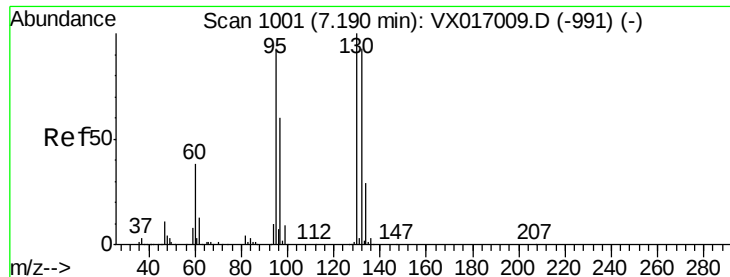
Ion Ratio Lower Upper

117 100

119 5.5 75.4 113.0#

121 0.0 23.8 35.6#





#44

Trichloroethene

Concen: Below Cal

RT: 7.20 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

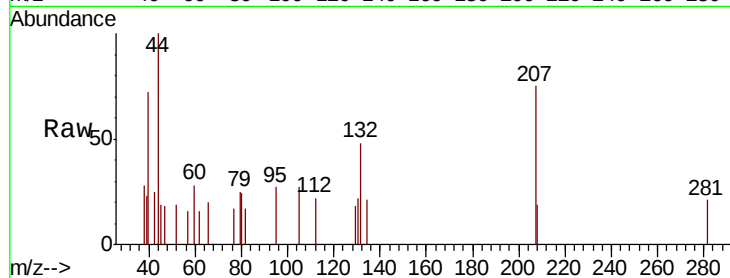
VX0709WBL02

Tot Ion:130 Resp: 217

Ion Ratio Lower Upper

130 100

95 67.2 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

150

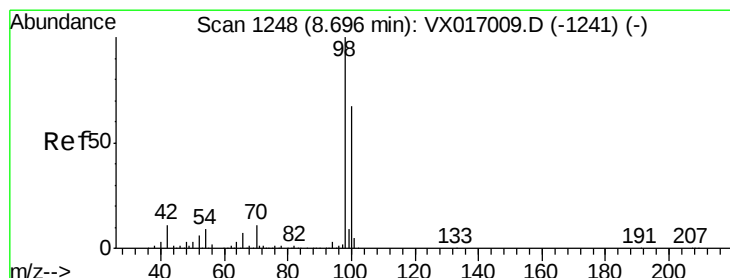
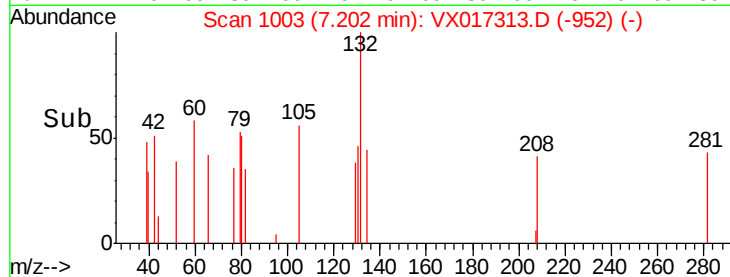
100

50

0

7.16 7.18 7.20 7.22

Time-->



#50

Toluene-d8

Concen: 51.523 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017313.D

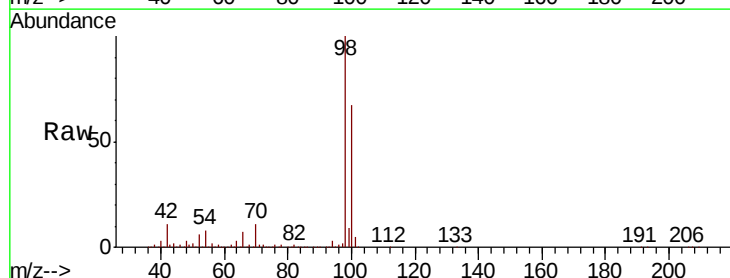
Acq: 09 Jul 2020 17:19

Tgt Ion: 98 Resp: 503740

Ion Ratio Lower Upper

98 100

100 66.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

300000

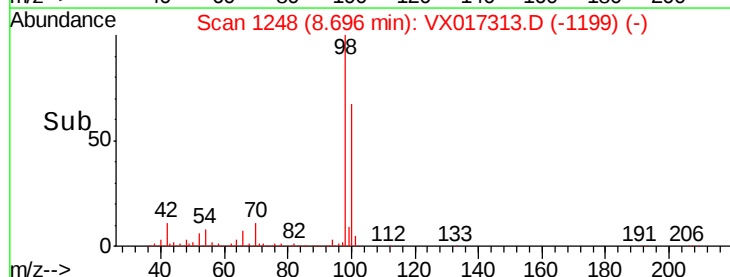
200000

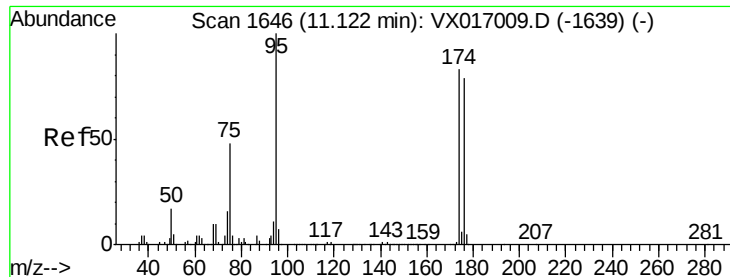
100000

0

8.60 8.70 8.80

Time-->





#62

4-Bromofluorobenzene

Concen: 53.462 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL02

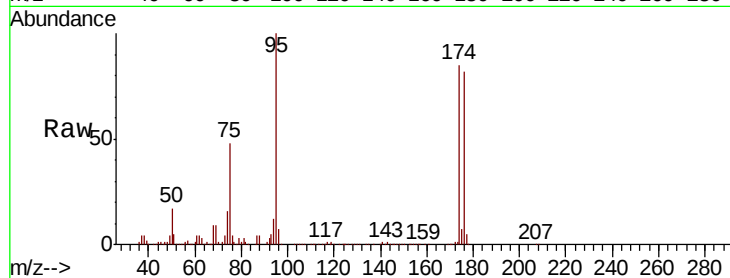
Tot Ion: 95 Resp: 204329

Ion Ratio Lower Upper

95 100

174 83.1 0.0 164.0

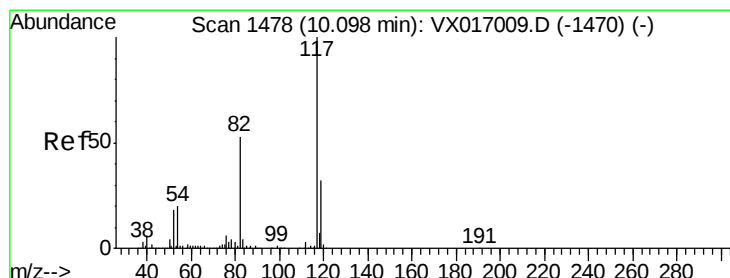
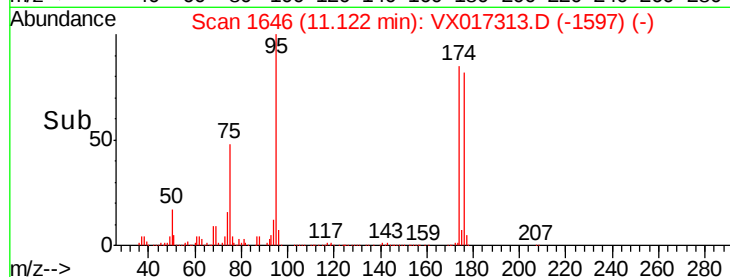
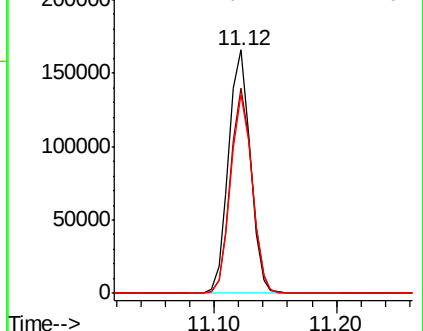
176 80.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

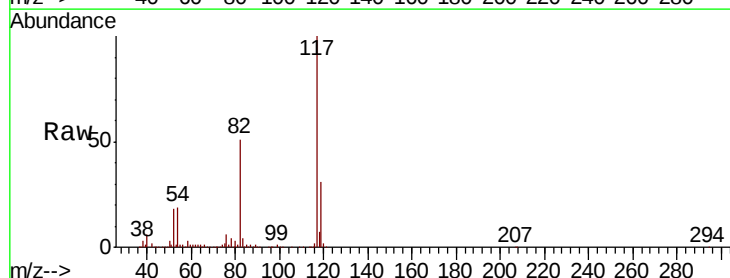
Tgt Ion: 117 Resp: 426690

Ion Ratio Lower Upper

117 100

82 51.3 42.6 63.8

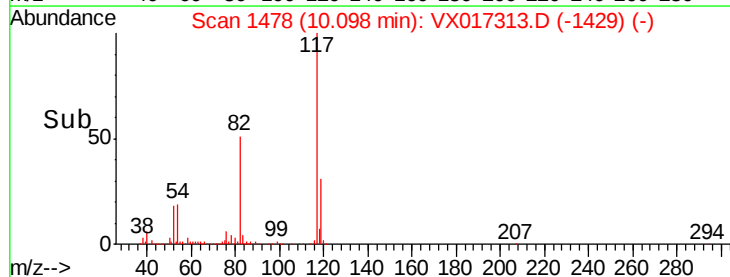
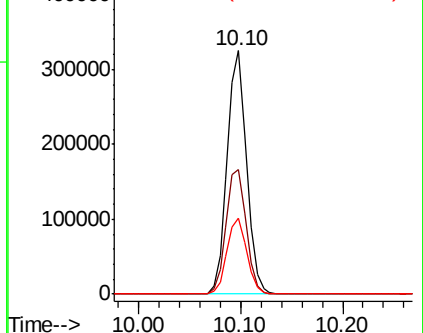
119 31.4 25.4 38.2

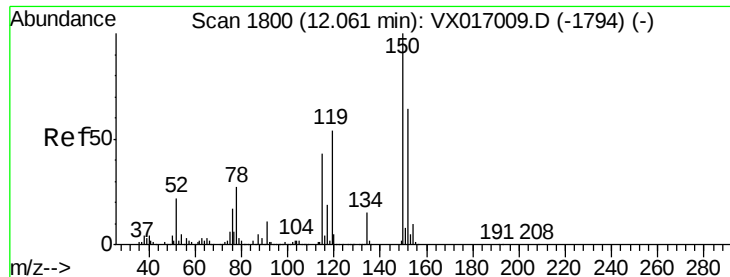


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL02

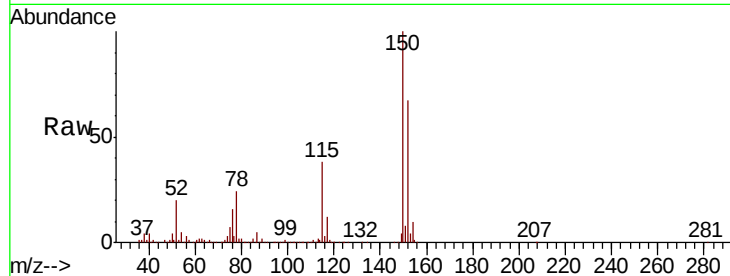
Tot Ion:152 Resp: 222229

Ion Ratio Lower Upper

152 100

115 57.0 40.9 122.7

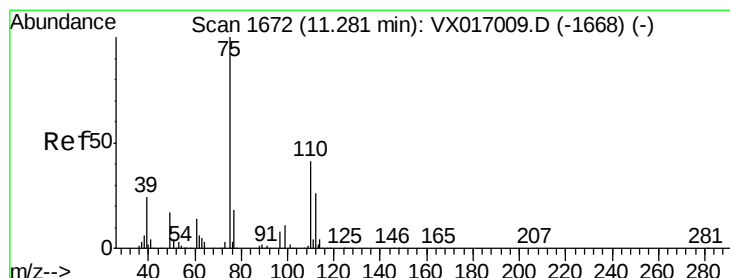
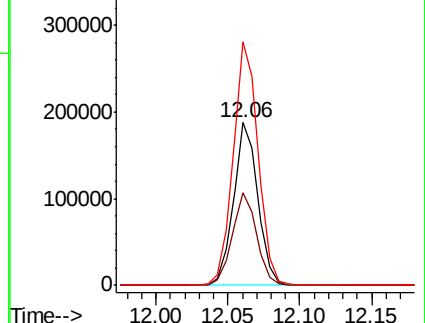
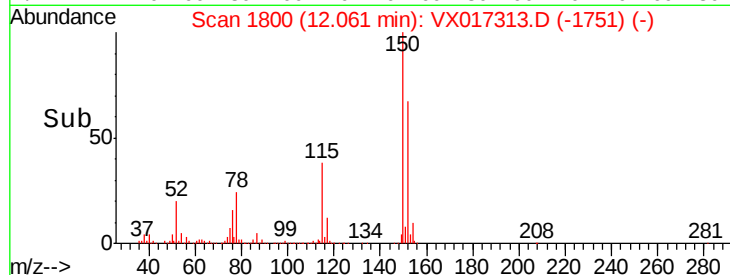
150 153.9 0.0 351.6



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: 22.865 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017313.D

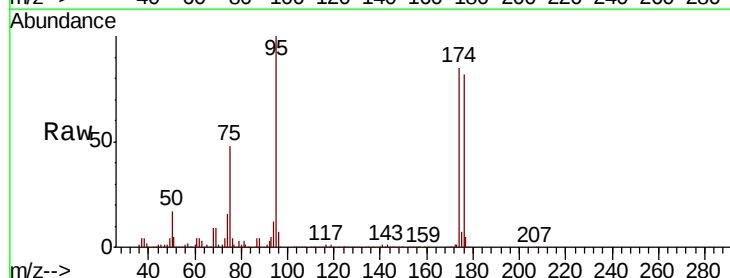
Acq: 09 Jul 2020 17:19

Tgt Ion: 75 Resp: 99921

Ion Ratio Lower Upper

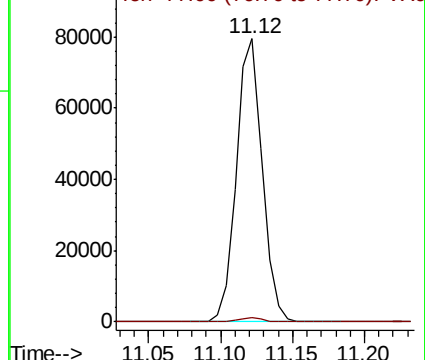
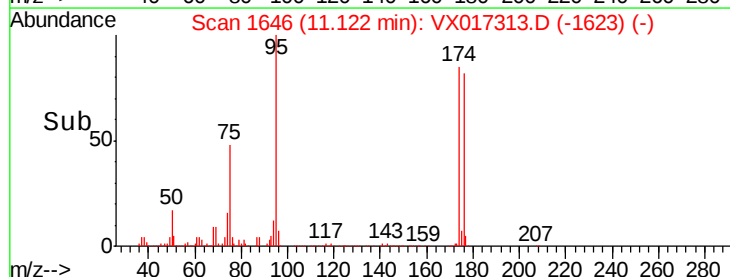
75 100

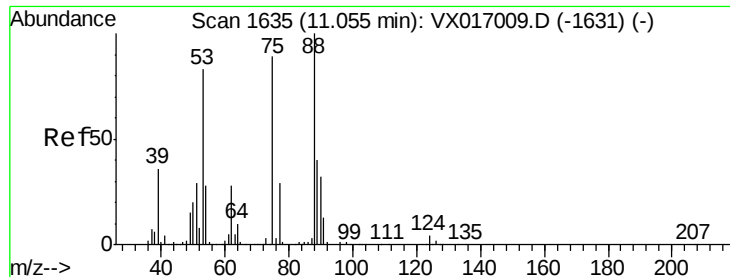
77 1.3 20.2 60.6#



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: 59.213 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL02

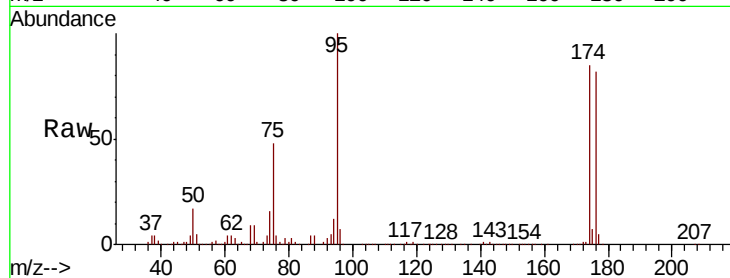
Tot Ion: 75 Resp: 99921

Ion Ratio Lower Upper

75 100

53 0.1 72.4 108.6#

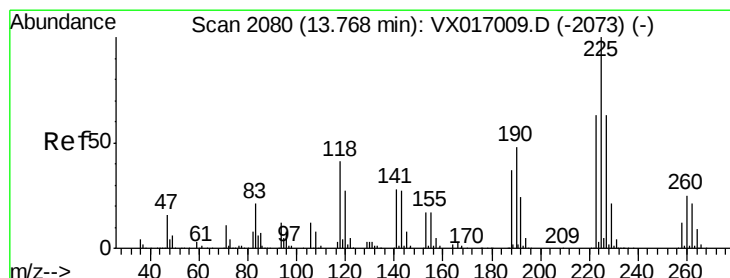
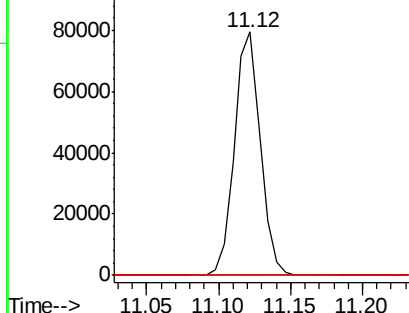
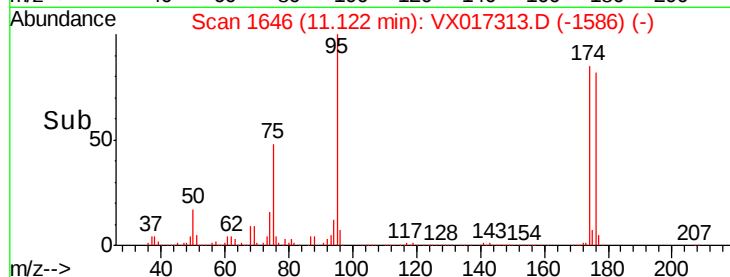
89 0.0 37.0 55.4#



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



#94

Hexachlorobutadiene

Concen: 0.973 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017313.D

Acq: 09 Jul 2020 17:19

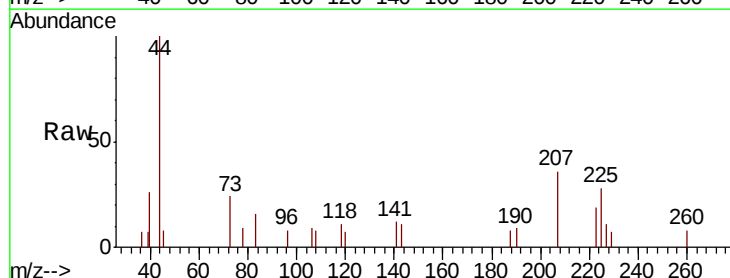
Tgt Ion: 225 Resp: 230

Ion Ratio Lower Upper

225 100

223 86.1 32.5 97.5

227 52.2 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

