

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070220\
 Data File : VX017142.D
 Acq On : 02 Jul 2020 12:53
 Operator : JC/SP
 Sample : VX0702WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 03 00:51:14 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	208821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	346589	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	352974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	174991	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	138623	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
35) Dibromofluoromethane	5.46	113	115687	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
50) Toluene-d8	8.70	98	418071	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.12	95	170404	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	

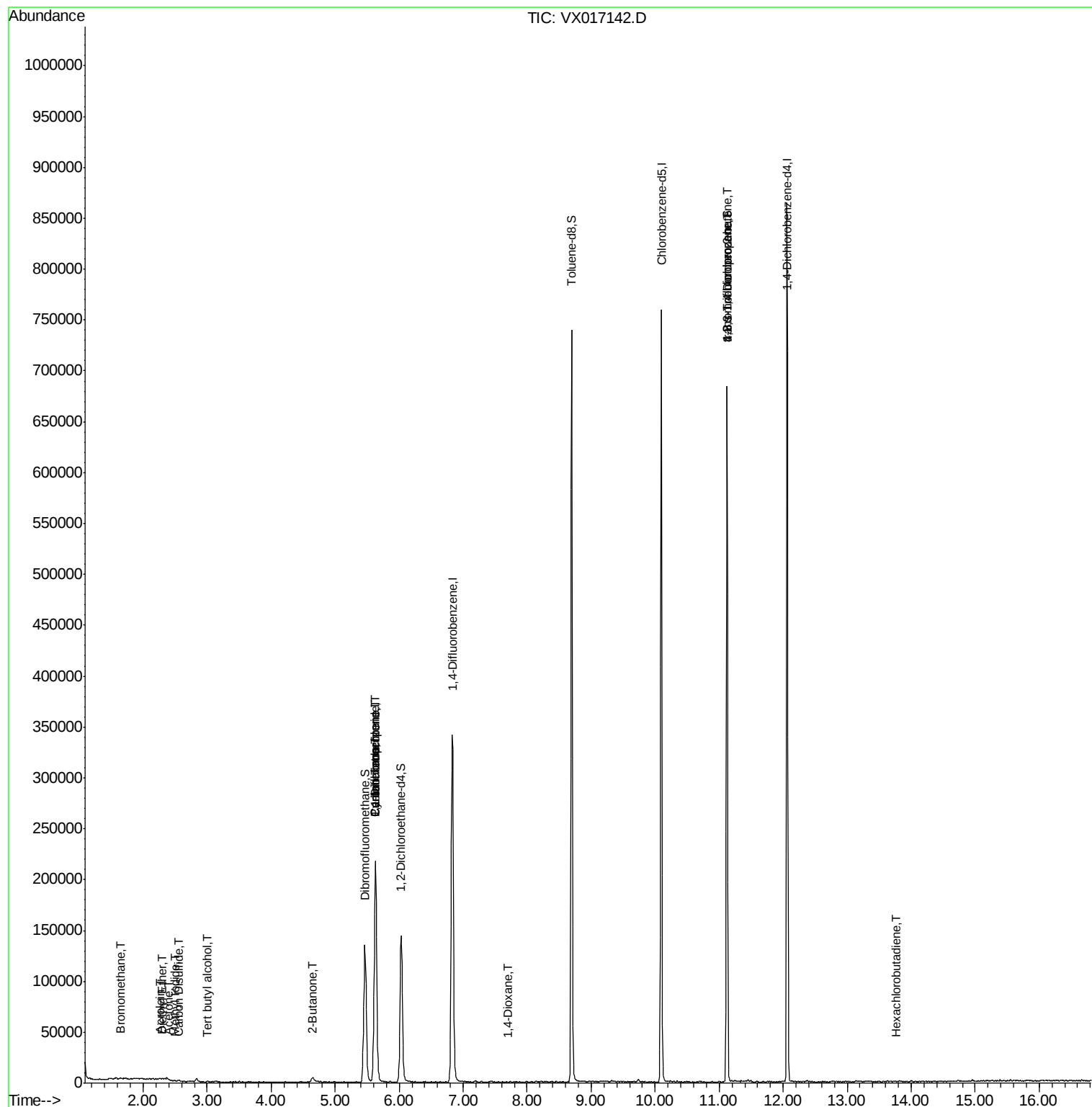
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	489	0.408	ug/l #	77
8) Diethyl Ether	2.29	74	60	0.418	ug/l	59
10) Methyl Iodide	2.50	142	561	0.216	ug/l #	70
11) Tert butyl alcohol	3.00	59	247	0.503	ug/l #	73
13) Acrolein	2.27	56	294	1.001	ug/l	87
16) Acetone	2.41	43	868	0.901	ug/l	96
17) Carbon Disulfide	2.56	76	1326	0.253	ug/l #	90
20) Methylene Chloride	2.84	84	1482	Below Cal	#	84
25) 2-Butanone	4.65	43	433	0.270	ug/l #	49
31) Cyclohexane	5.63	56	4192	1.206	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	14525	4.434	ug/l #	51
38) Carbon Tetrachloride	5.64	117	20472	5.674	ug/l #	19
44) Trichloroethene	7.19	130	186	Below Cal		84
49) 1,4-Dioxane	7.70	88	19	0.320	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	84497	24.555	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	84497	63.589	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	405	Below Cal		83
94) Hexachlorobutadiene	13.76	225	86	0.905	ug/l #	47

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

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ClientSampled :

Quant Time: Jul 03 00:51:14 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: VX017142.D

Acq: 02 Jul 2020 12:53

Instrument :

MSVOA_X

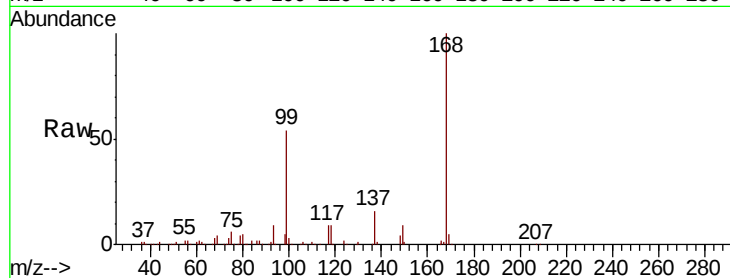
ClientSampleId :

Tot Ion:168 Resp: 208821

Ion Ratio Lower Upper

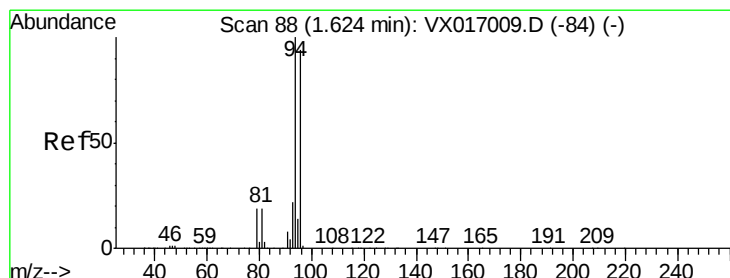
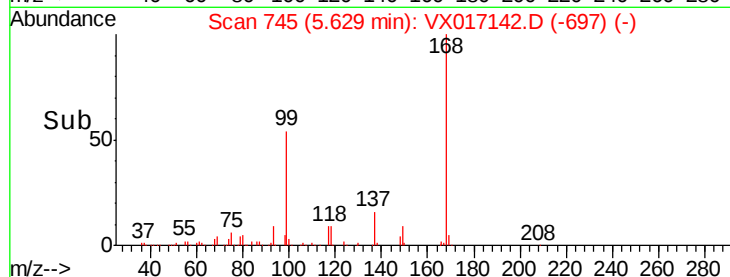
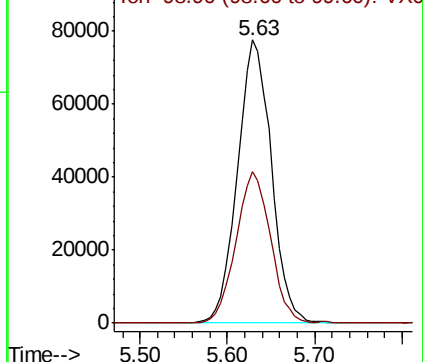
168 100

99 53.5 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: 0.408 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017142.D

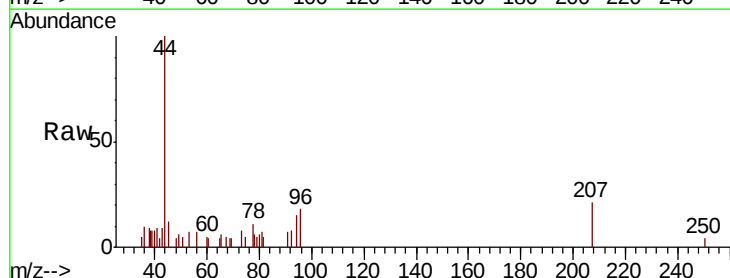
Acq: 02 Jul 2020 12:53

Tgt Ion: 94 Resp: 489

Ion Ratio Lower Upper

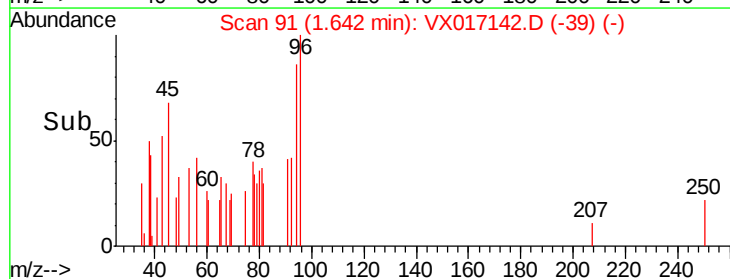
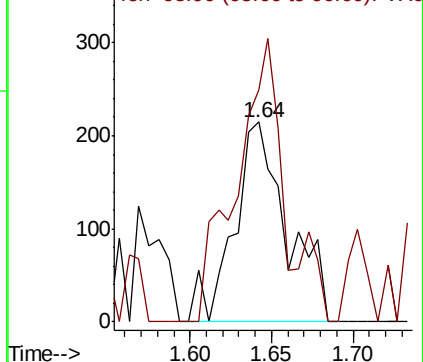
94 100

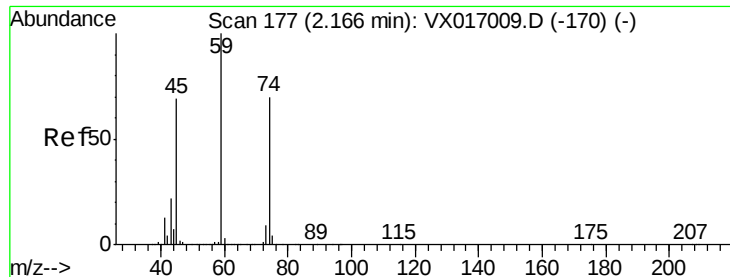
96 116.3 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.418 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.12 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

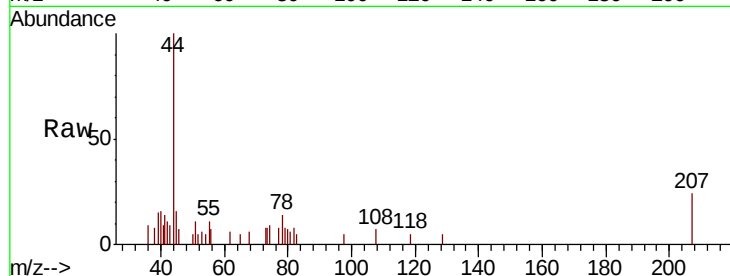
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 74 Resp: 60

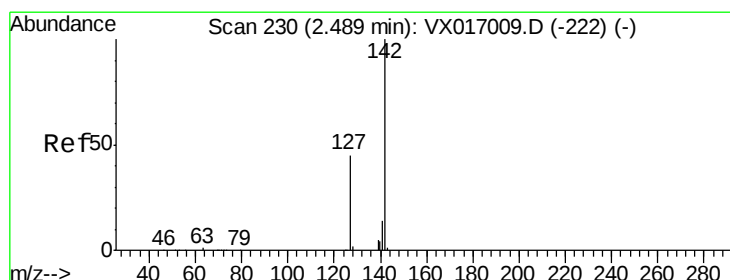
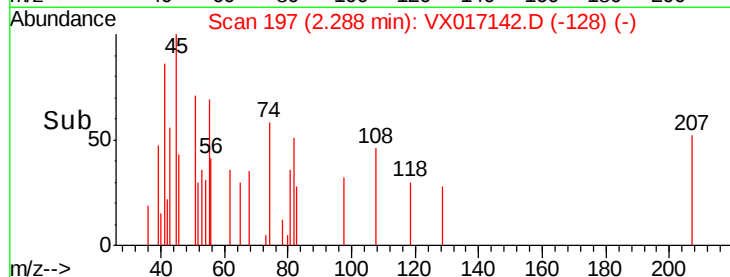
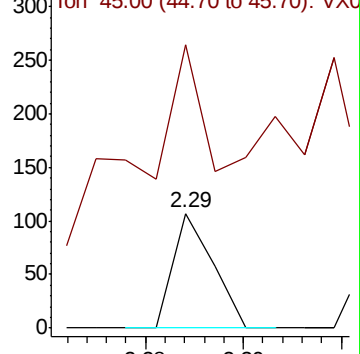
Ion Ratio Lower Upper

74 100

45 140.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX017142.D (-128) (-)



#10

Methyl Iodide

Concen: 0.216 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

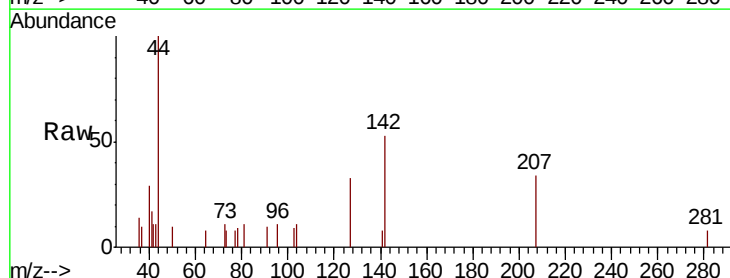
Tgt Ion: 142 Resp: 561

Ion Ratio Lower Upper

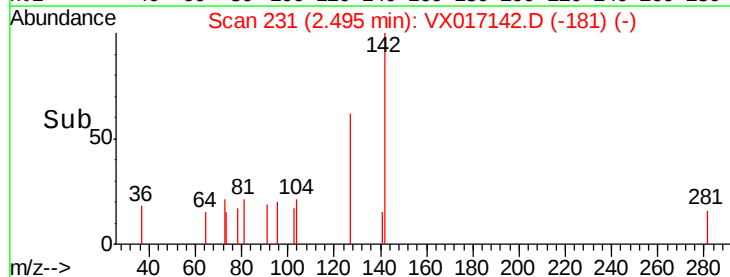
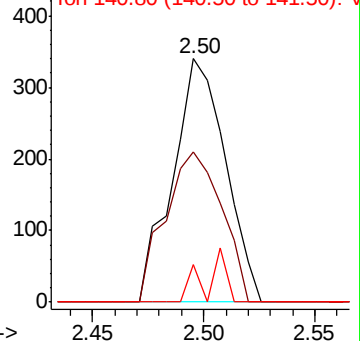
142 100

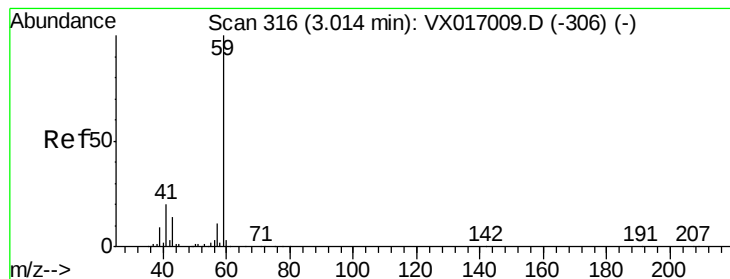
127 66.1 36.6 54.8#

141 3.4 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VX017142.D (-181) (-)



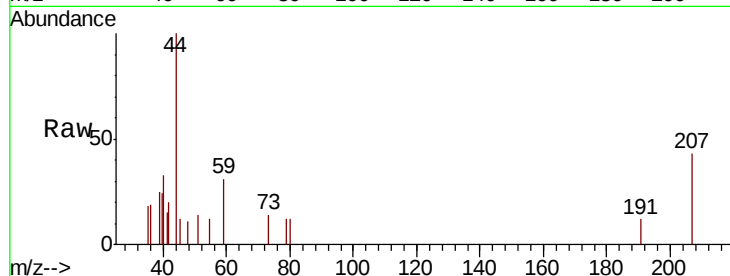


#11

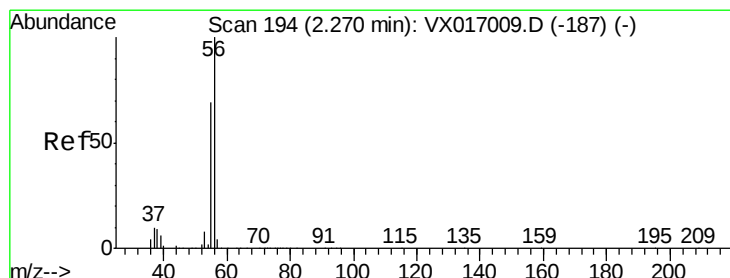
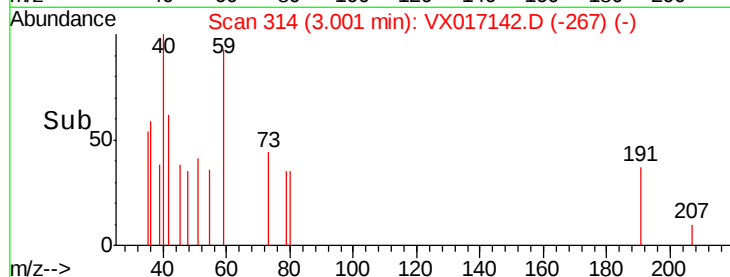
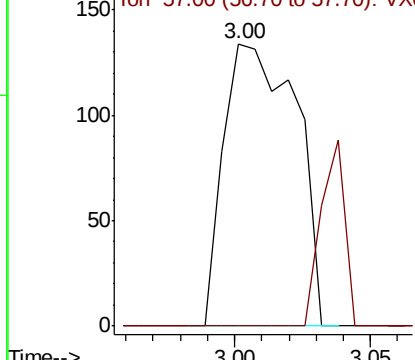
Tert butyl alcohol
Concen: 0.503 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX017142.D
Acq: 02 Jul 2020 12:53

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



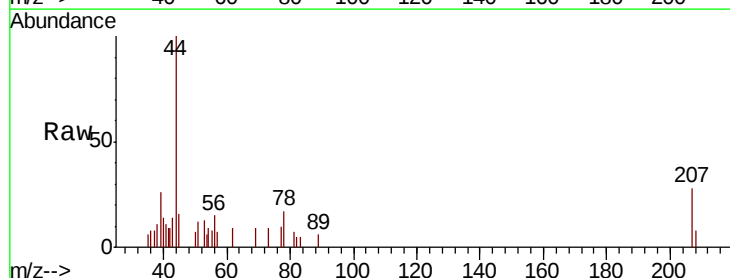
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



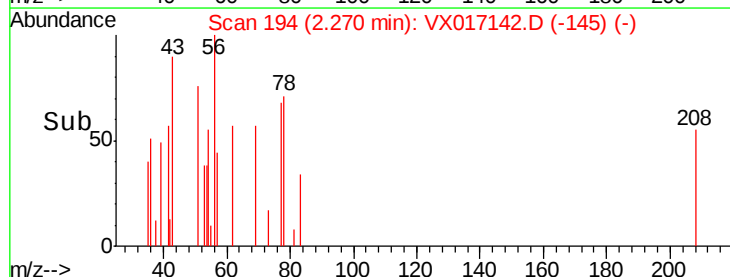
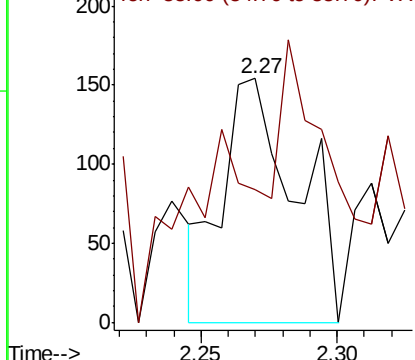
#13

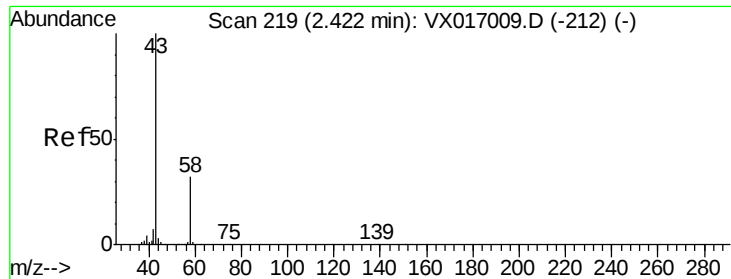
Acrolein
Concen: 1.001 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX017142.D
Acq: 02 Jul 2020 12:53

Tgt Ion: 56 Resp: 294
Ion Ratio Lower Upper
56 100
55 80.3 55.7 83.5



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





#16

Acetone

Concen: 0.901 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

Instrument :

MSVOA_X

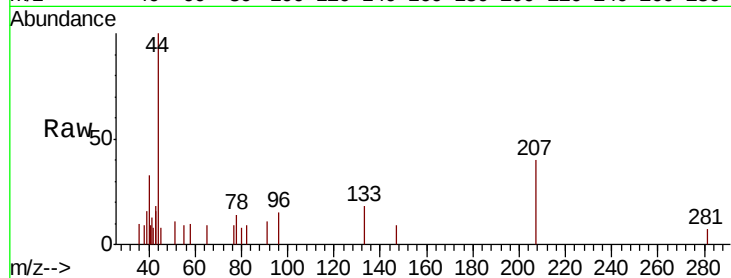
ClientSampled :

Tot Ion: 43 Resp: 868

Ion Ratio Lower Upper

43 100

58 29.8 25.7 38.5



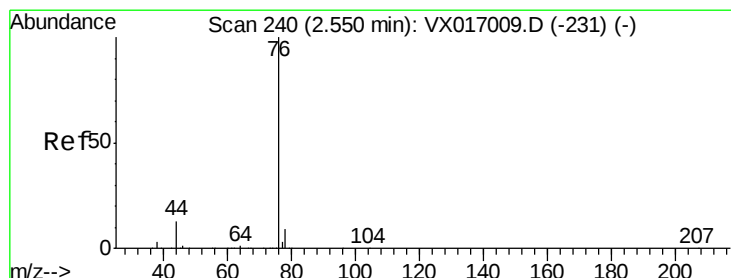
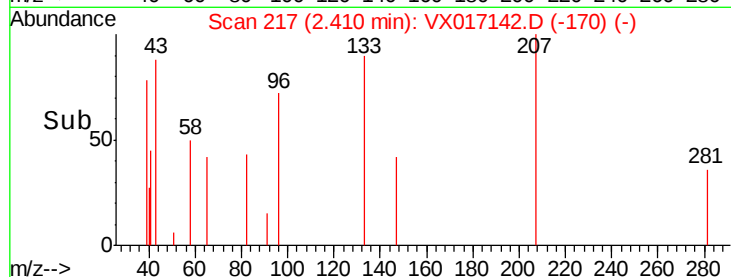
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.41

2.45

Time-->



#17

Carbon Disulfide

Concen: 0.253 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017142.D

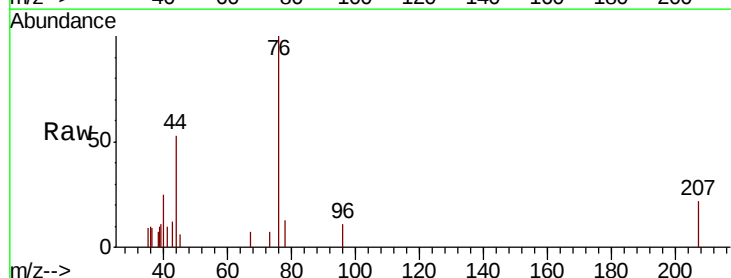
Acq: 02 Jul 2020 12:53

Tgt Ion: 76 Resp: 1326

Ion Ratio Lower Upper

76 100

78 12.6 7.2 10.8#



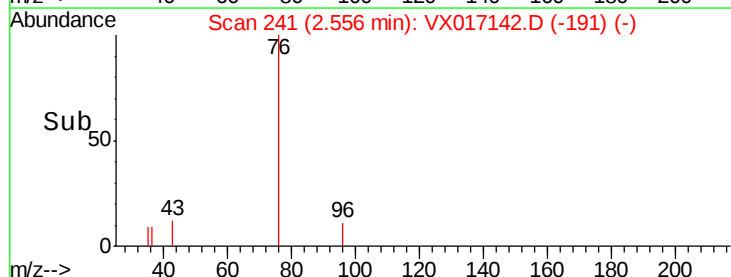
Abundance Ion 75.90 (75.60 to 76.60): VX0

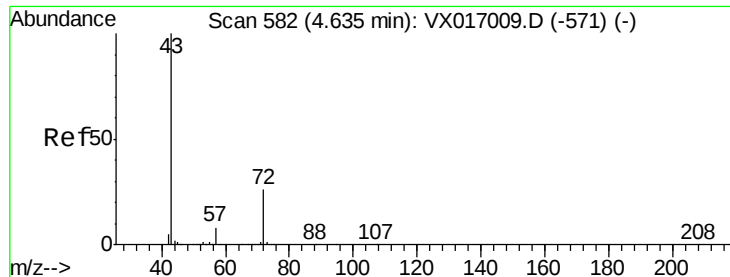
Ion 77.90 (77.60 to 78.60): VX0

2.56

2.60

Time-->





#25

2-Butanone

Concen: 0.270 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

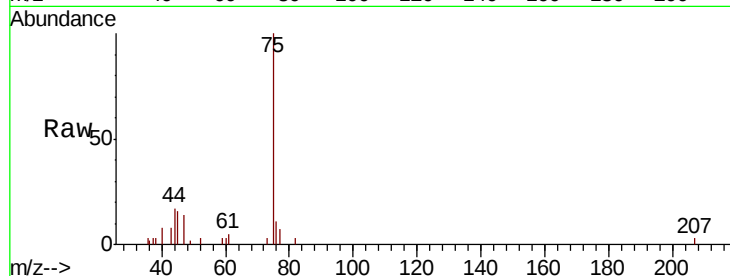
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 433

Ion Ratio Lower Upper

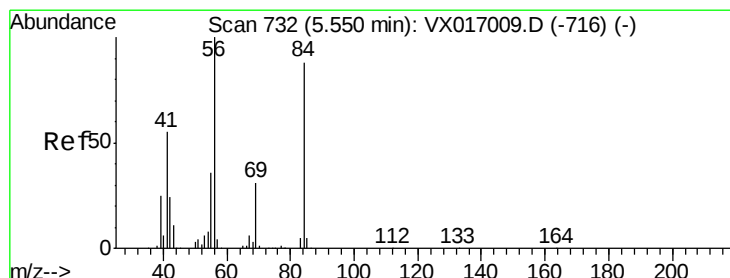
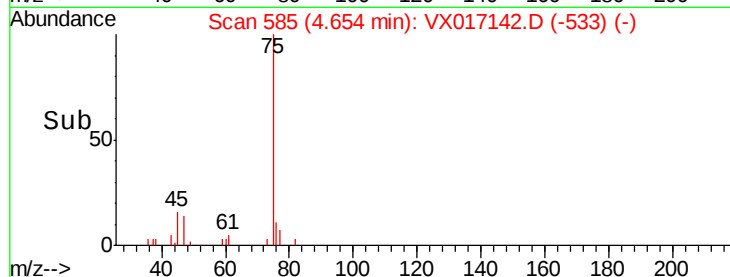
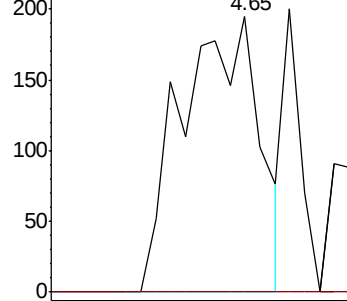
43 100

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



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

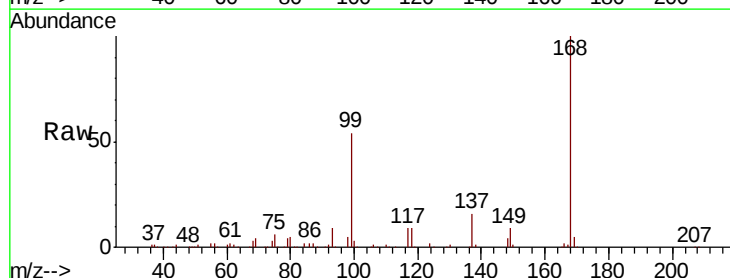
Tgt Ion: 56 Resp: 4192

Ion Ratio Lower Upper

56 100

69 200.3 25.0 37.4#

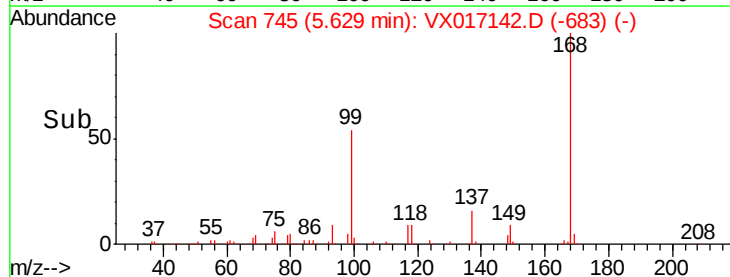
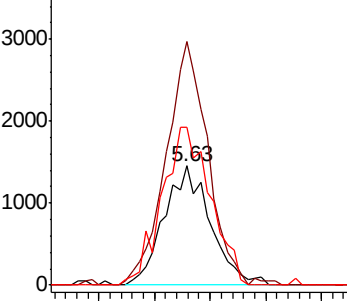
84 132.8 69.1 103.7#

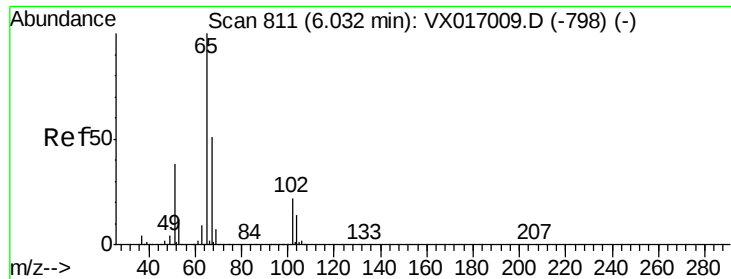


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.848 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

Instrument :

MSVOA_X

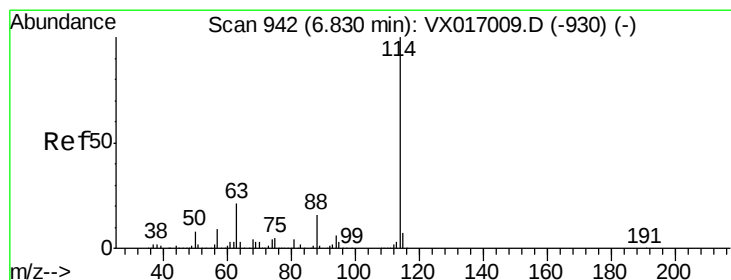
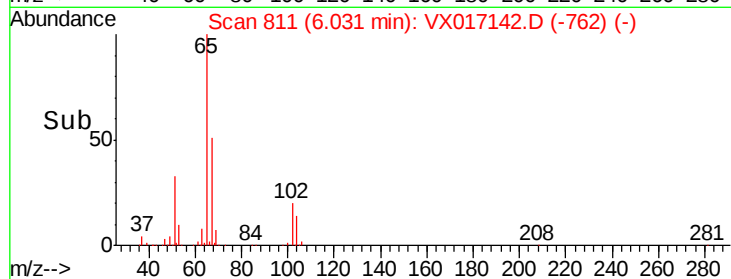
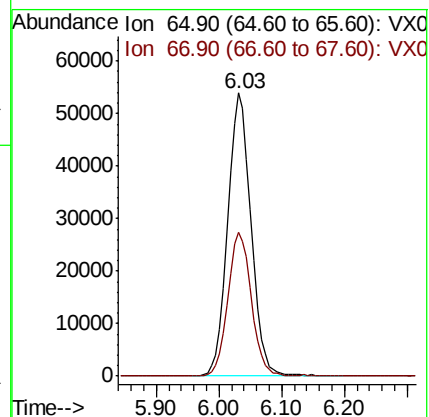
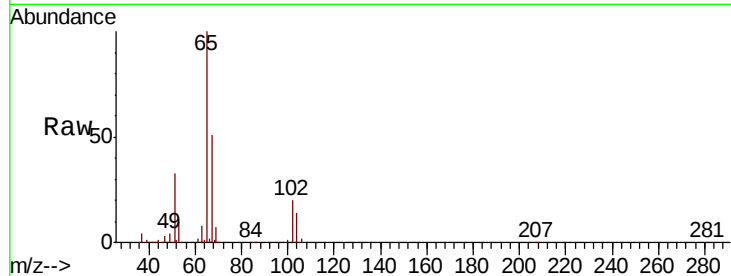
ClientSampleId :

Tot Ion: 65 Resp: 138623

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

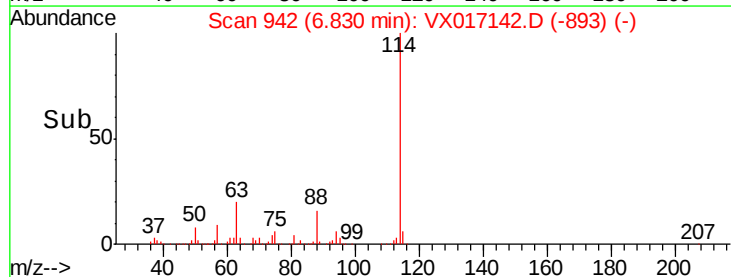
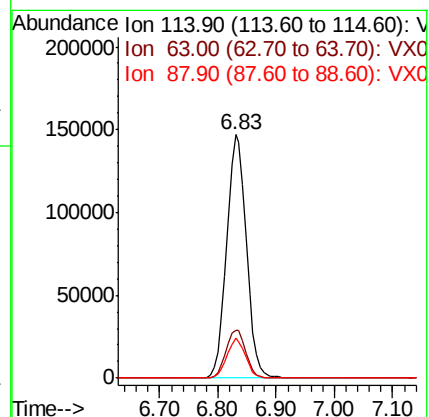
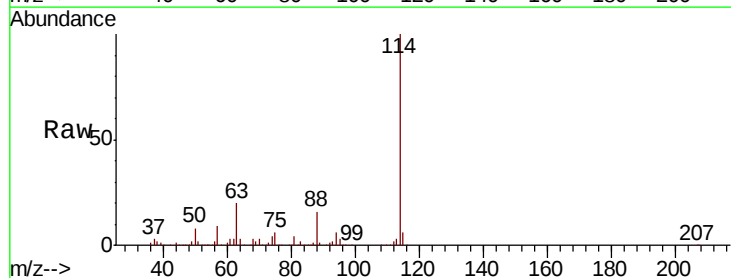
Tgt Ion: 114 Resp: 346589

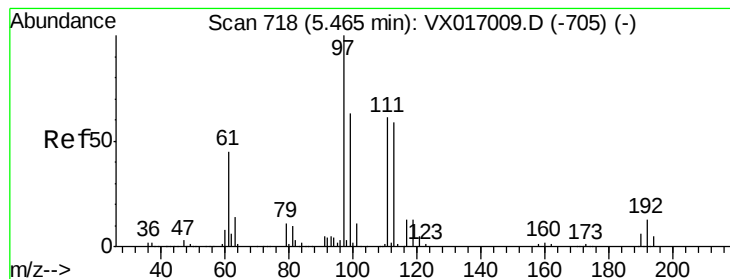
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

88 16.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.767 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

Instrument :

MSVOA_X

ClientSampled :

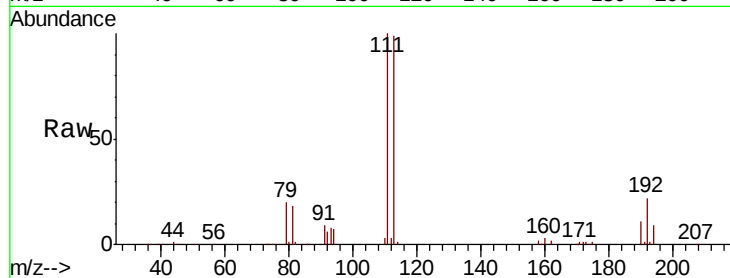
Tot Ion:113 Resp: 115687

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

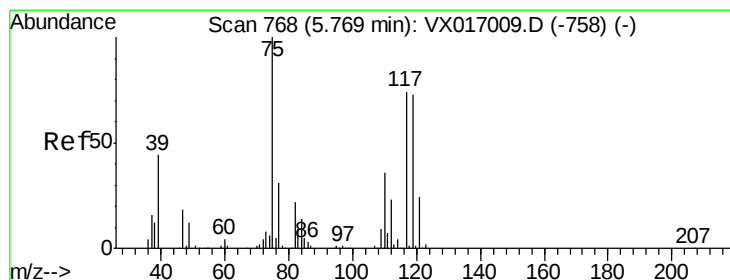
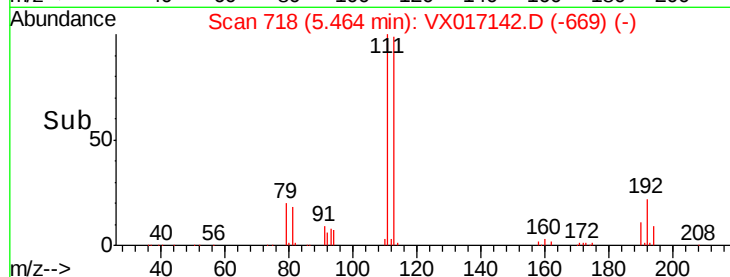
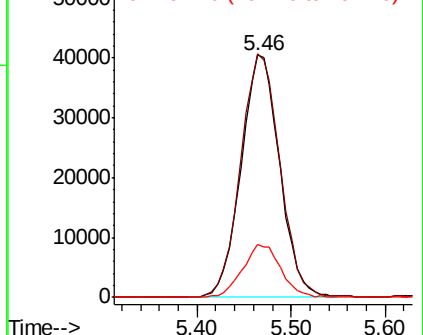
192 21.6 16.7 25.1



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: 4.434 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

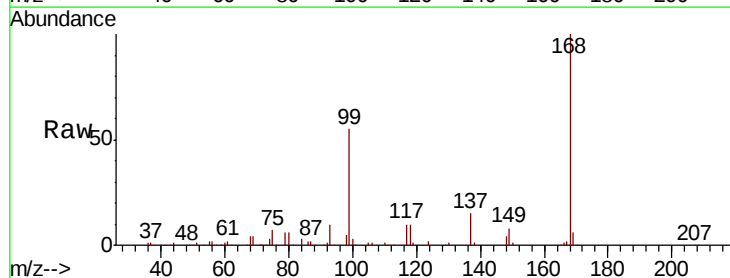
Tgt Ion: 75 Resp: 14525

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

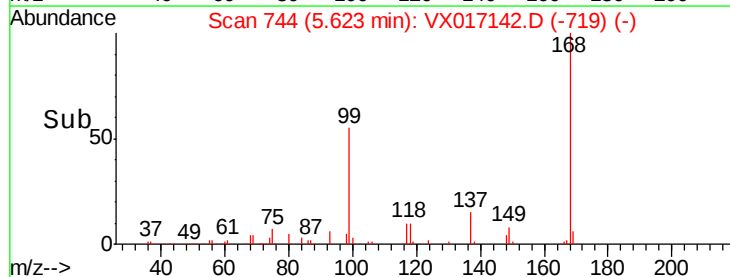
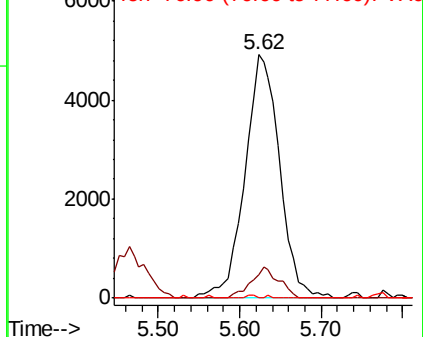
77 0.1 24.6 37.0#

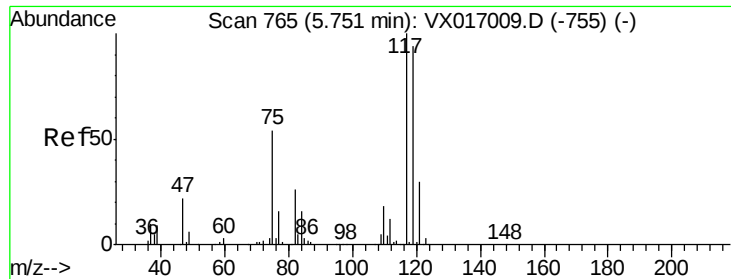


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.674 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

Instrument :

MSVOA_X

ClientSampled :

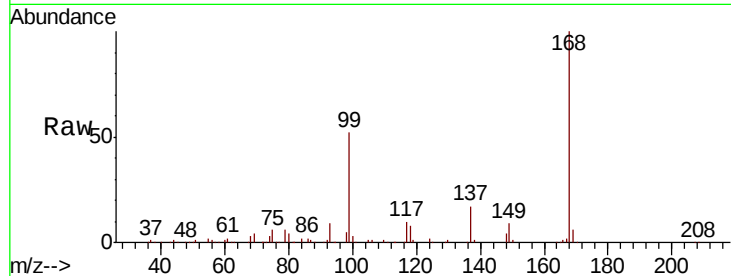
Tot Ion:117 Resp: 20472

Ion Ratio Lower Upper

117 100

119 8.5 75.4 113.0#

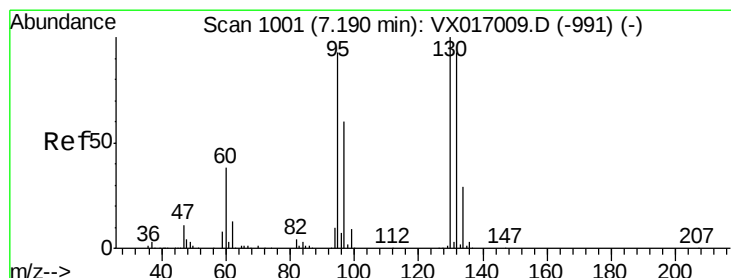
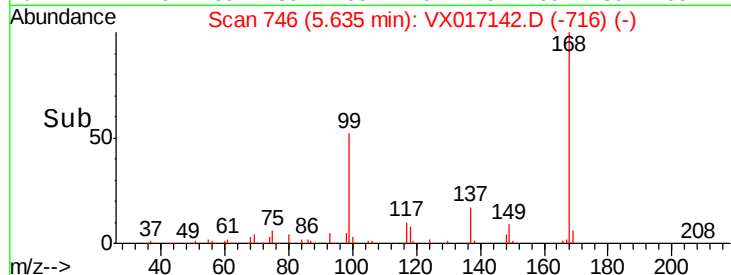
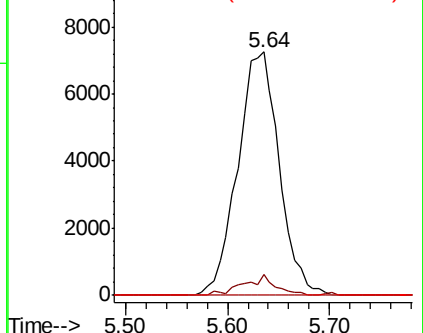
121 0.0 23.8 35.6#



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



#44

Trichloroethene

Concen: Below Cal

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017142.D

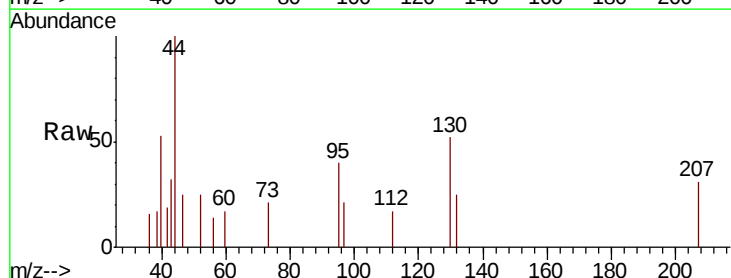
Acq: 02 Jul 2020 12:53

Tgt Ion:130 Resp: 186

Ion Ratio Lower Upper

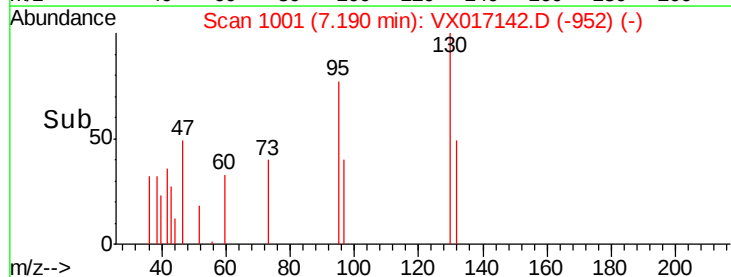
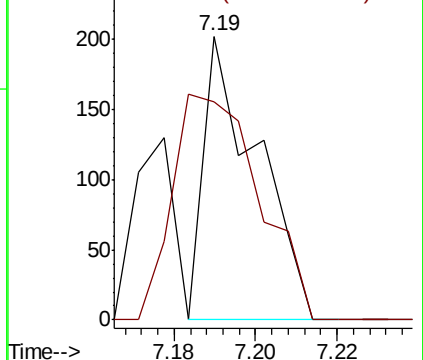
130 100

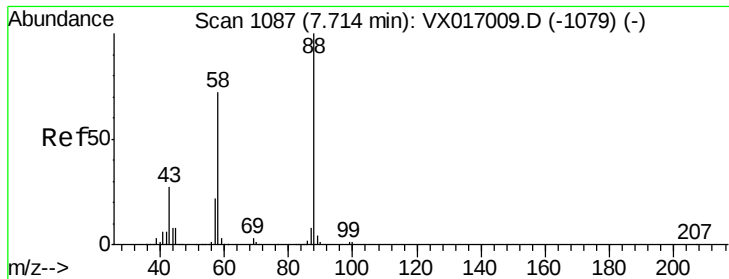
95 76.7 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.320 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

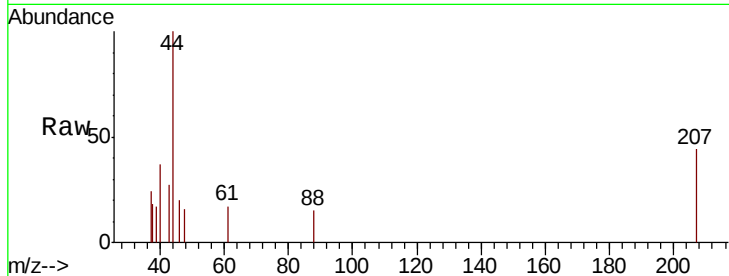
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 768.4 25.8 38.8#

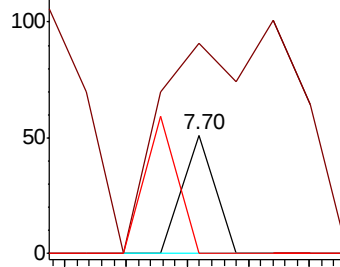
58 115.8 54.8 82.2#



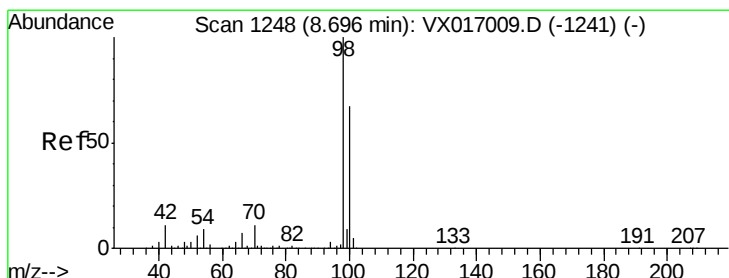
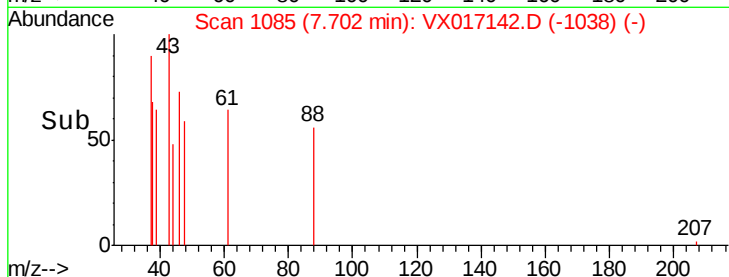
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 51.568 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017142.D

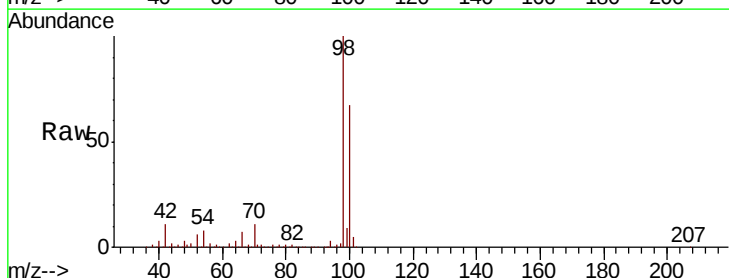
Acq: 02 Jul 2020 12:53

Tgt Ion: 98 Resp: 418071

Ion Ratio Lower Upper

98 100

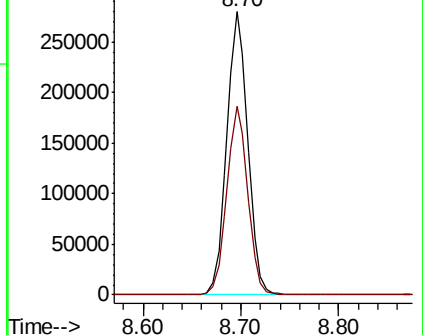
100 66.2 53.8 80.6



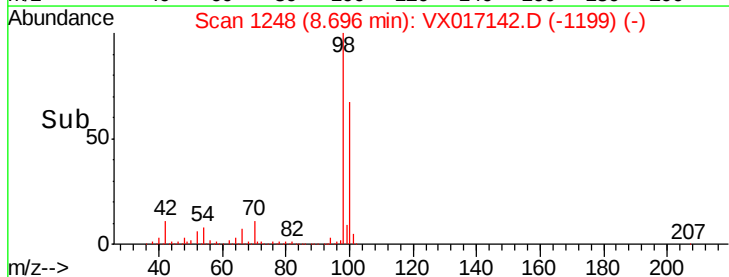
Abundance Ion 98.00 (97.70 to 98.70): VX0

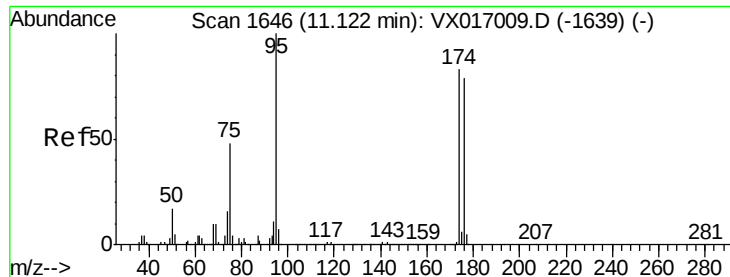
Ion 100.00 (99.70 to 100.70): V

8.70



Time-->

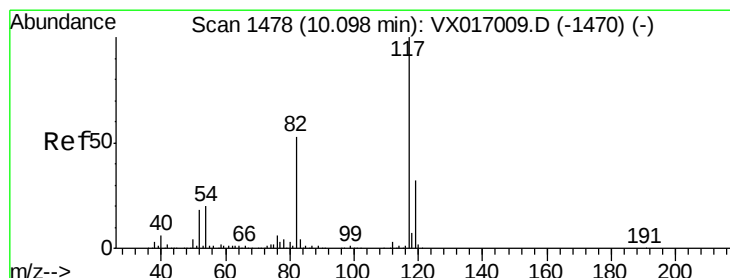
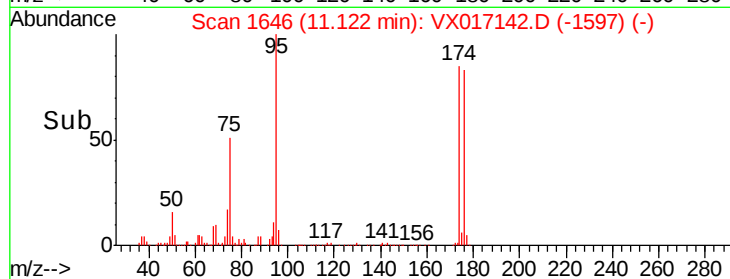
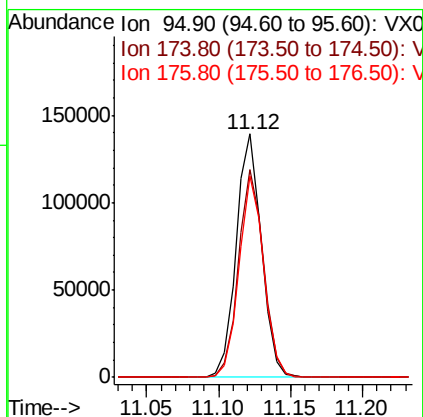
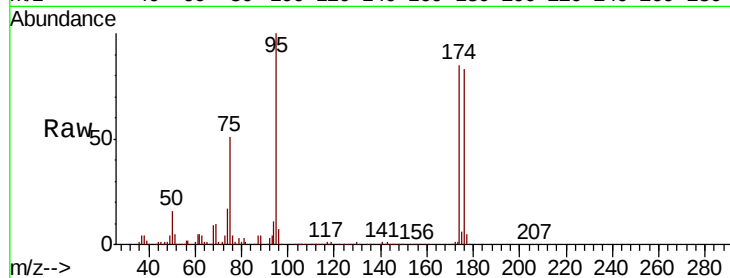




#62
4-Bromofluorobenzene
Concen: 53.769 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017142.D
Acq: 02 Jul 2020 12:53

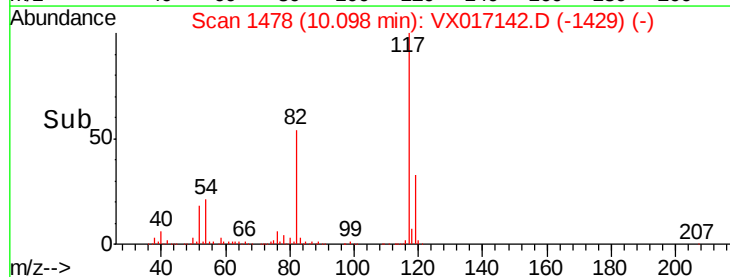
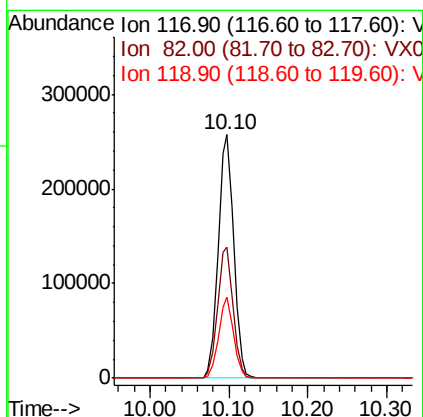
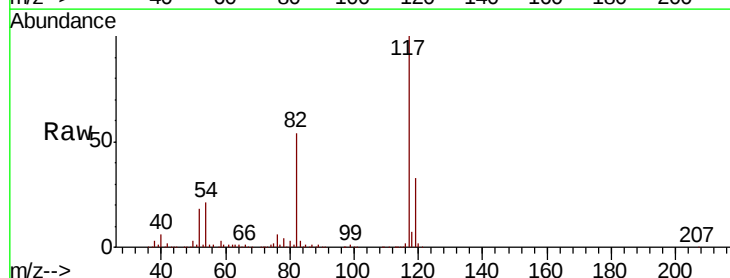
Instrument :
MSVOA_X
ClientSampleId :

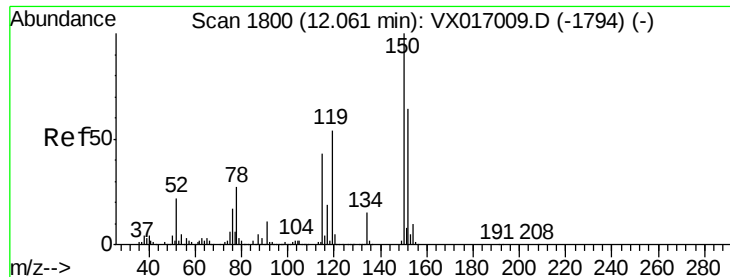
Tot Ion: 95 Resp: 170404
Ion Ratio Lower Upper
95 100
174 84.7 0.0 164.0
176 80.6 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017142.D
Acq: 02 Jul 2020 12:53

Tgt Ion: 117 Resp: 352974
Ion Ratio Lower Upper
117 100
82 53.8 42.6 63.8
119 33.2 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: VX017142.D

Acq: 02 Jul 2020 12:53

Instrument :

MSVOA_X

ClientSampled :

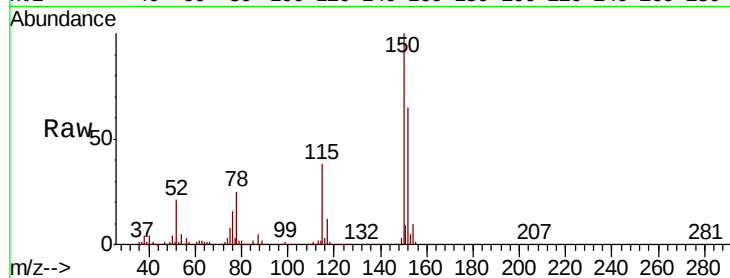
Tot Ion:152 Resp: 174991

Ion Ratio Lower Upper

152 100

115 57.0 40.9 122.7

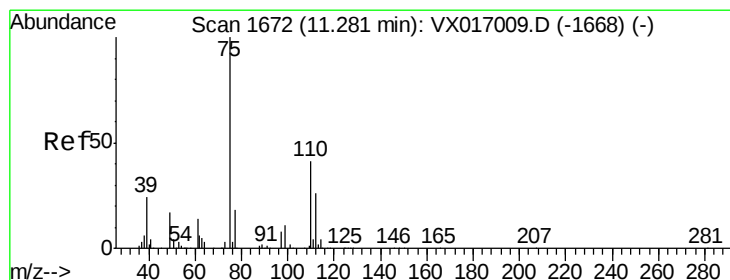
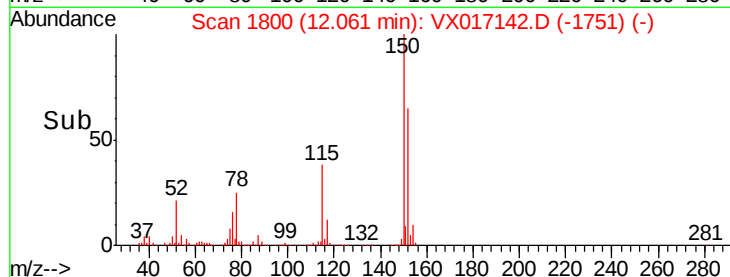
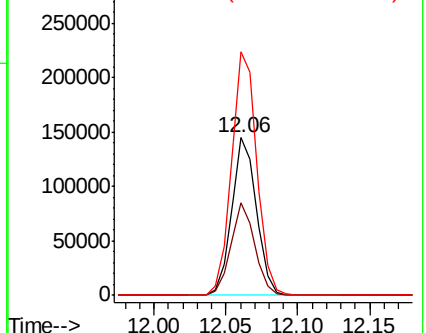
150 157.8 0.0 351.6



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: 24.555 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017142.D

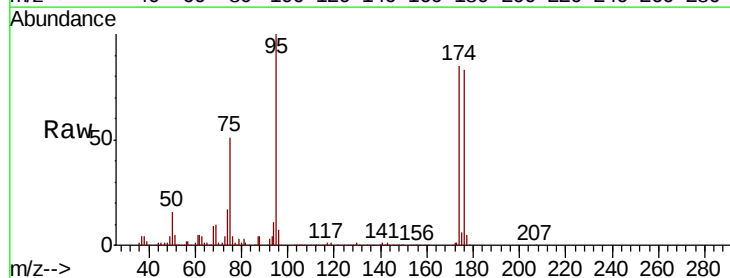
Acq: 02 Jul 2020 12:53

Tgt Ion: 75 Resp: 84497

Ion Ratio Lower Upper

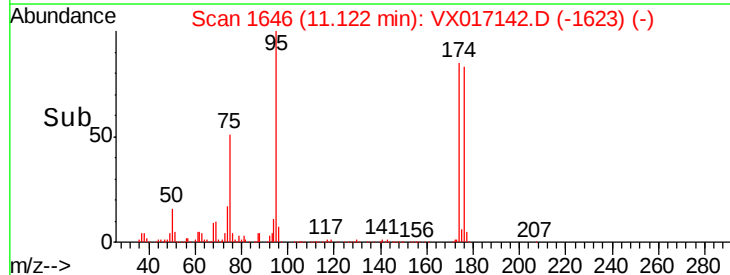
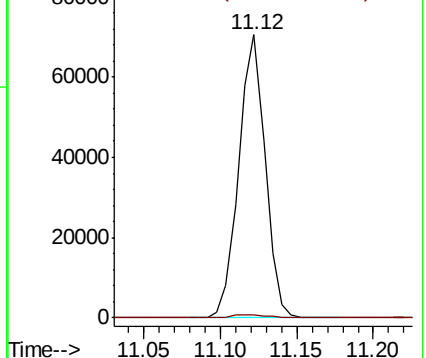
75 100

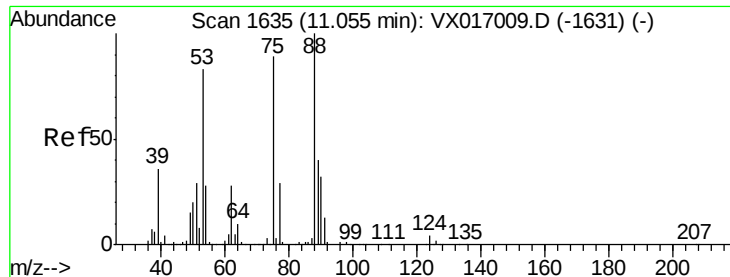
77 1.5 20.2 60.6#



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: 63.589 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

Instrument :

MSVOA_X

ClientSampled :

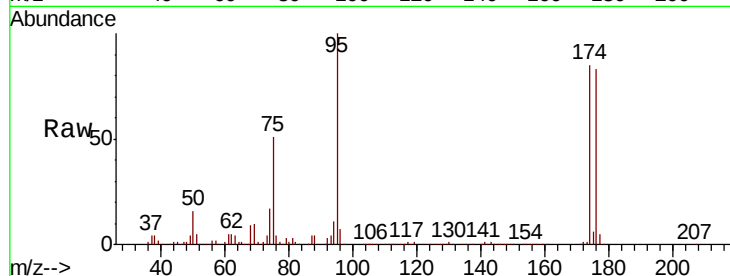
Tot Ion: 75 Resp: 84497

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

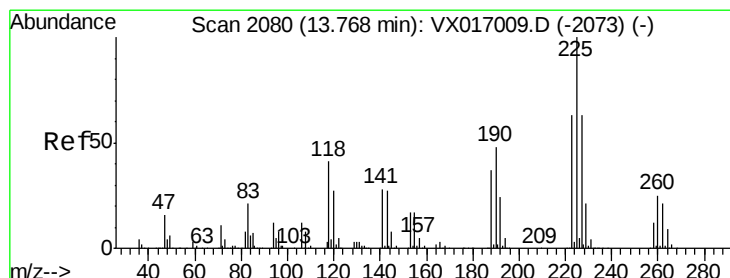
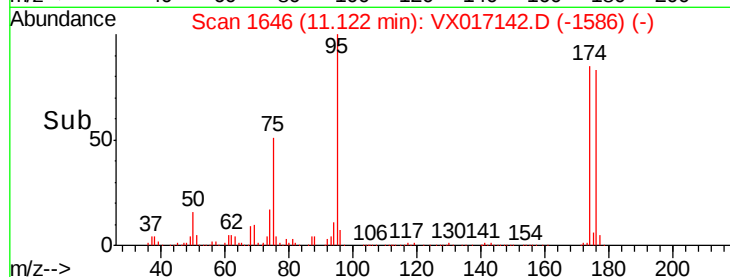
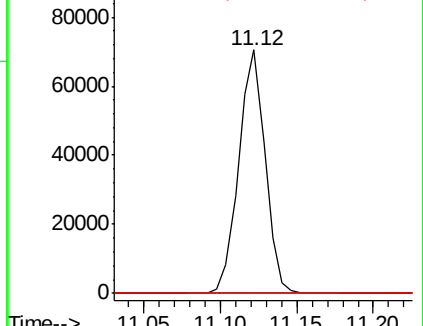
89 0.0 37.0 55.4#



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: 0.905 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017142.D

Acq: 02 Jul 2020 12:53

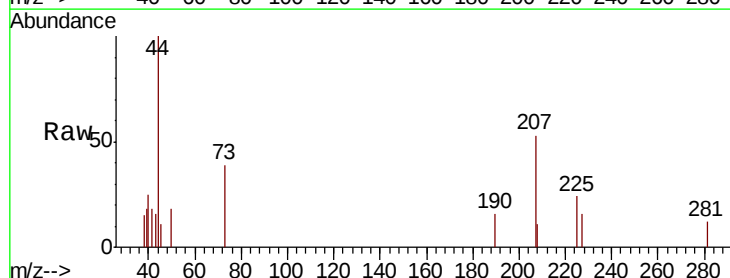
Tgt Ion: 225 Resp: 86

Ion Ratio Lower Upper

225 100

223 147.7 32.5 97.5#

227 64.0 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

