

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017091.D
 Acq On : 01 Jul 2020 12:36
 Operator : JC/SP
 Sample : L3129-01 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1446

Quant Time: Jul 02 01:34:57 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	224275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	375715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	388396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195232	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	148873	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
35) Dibromofluoromethane	5.47	113	126647	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
50) Toluene-d8	8.70	98	465527	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	11.12	95	191618	55.78	ug/l	0.00
Spiked Amount			Recovery	=	111.56%	

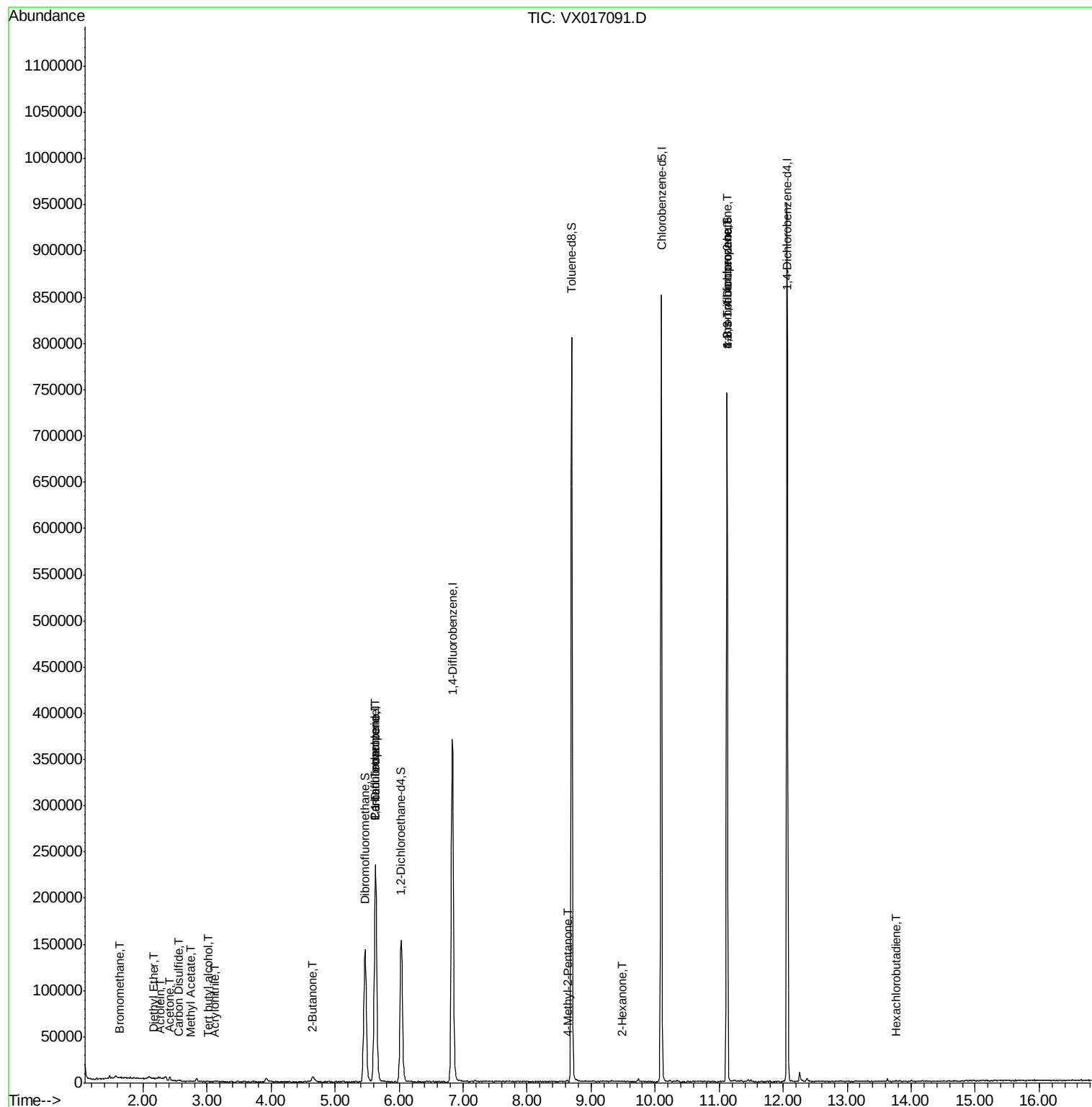
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	312	0.242	ug/l #	73
8) Diethyl Ether	2.17	74	78	0.429	ug/l #	1
11) Tert butyl alcohol	3.01	59	249	0.472	ug/l	95
13) Acrolein	2.26	56	431	1.367	ug/l #	54
15) Acrylonitrile	3.12	53	360	0.284	ug/l #	77
16) Acetone	2.42	43	3918	3.788	ug/l #	78
17) Carbon Disulfide	2.56	76	1222	0.220	ug/l #	61
18) Methyl Acetate	2.75	43	602	0.223	ug/l	94
20) Methylene Chloride	2.84	84	1490	Below Cal		98
25) 2-Butanone	4.65	43	1739	1.009	ug/l #	88
36) 1,1-Dichloropropene	5.64	75	16466	4.637	ug/l #	51
38) Carbon Tetrachloride	5.63	117	21919	5.604	ug/l #	19
44) Trichloroethene	7.19	130	359	Below Cal		72
51) 4-Methyl-2-Pentanone	8.62	43	920	0.258	ug/l #	86
59) 2-Hexanone	9.49	43	548	0.210	ug/l	62
76) 1,2,3-Trichloropropane	11.12	75	94043	24.496	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	94043	63.436	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	550	Below Cal		85
94) Hexachlorobutadiene	13.76	225	217	0.982	ug/l #	76

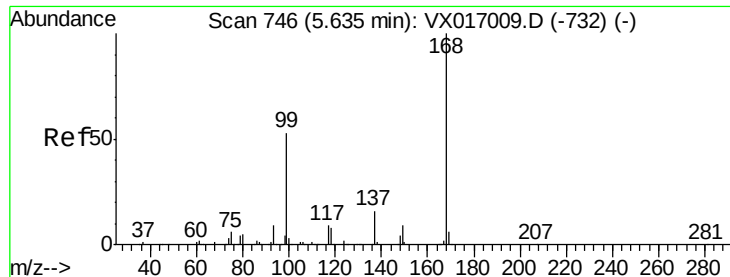
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

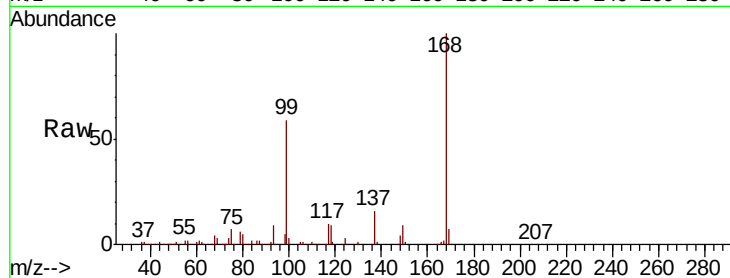
1446

Tot Ion:168 Resp: 224275

Ion Ratio Lower Upper

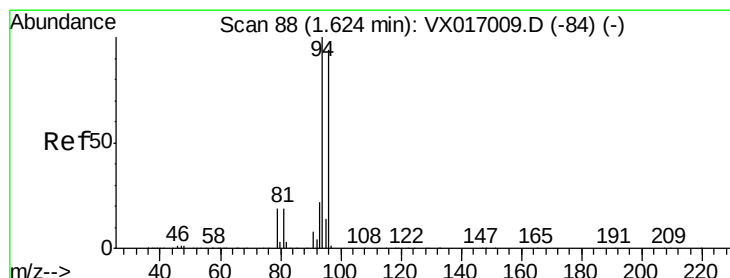
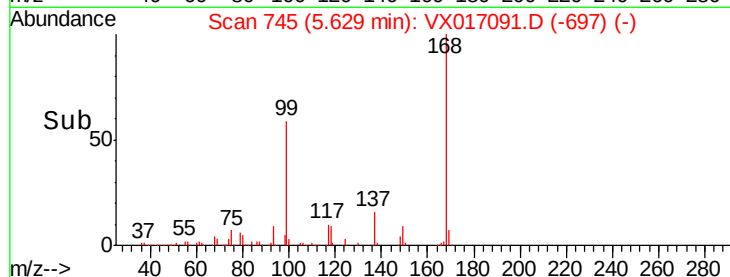
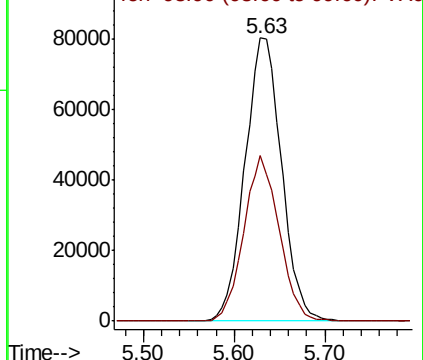
168 100

99 58.4 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: 0.242 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017091.D

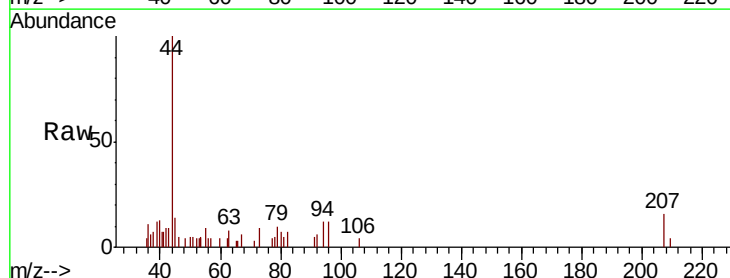
Acq: 01 Jul 2020 12:36

Tgt Ion: 94 Resp: 312

Ion Ratio Lower Upper

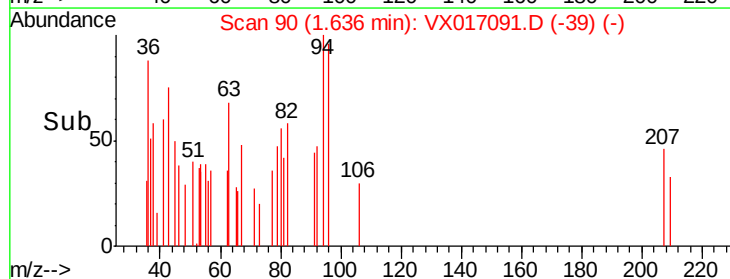
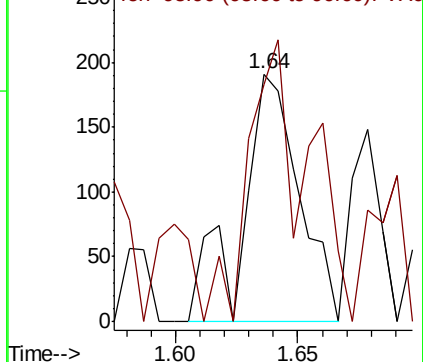
94 100

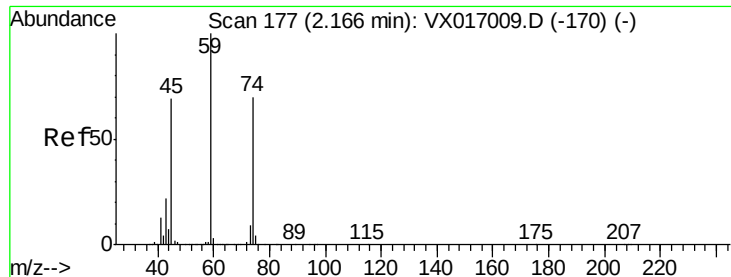
96 67.5 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.429 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

Instrument :

MSVOA_X

ClientSampled :

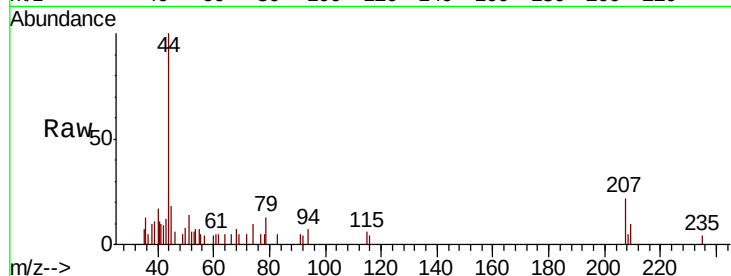
1446

Tot Ion: 74 Resp: 78

Ion Ratio Lower Upper

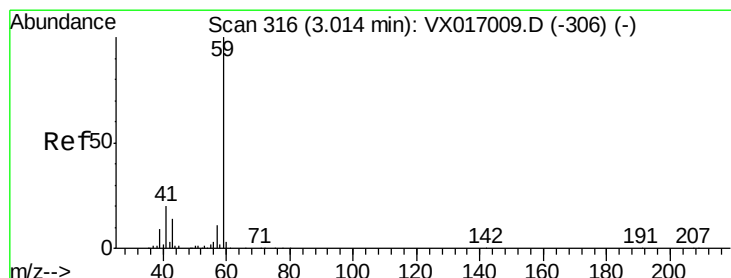
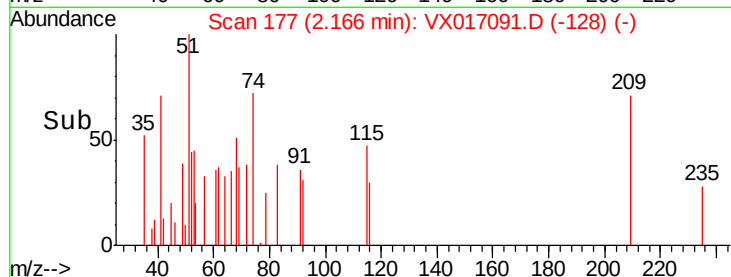
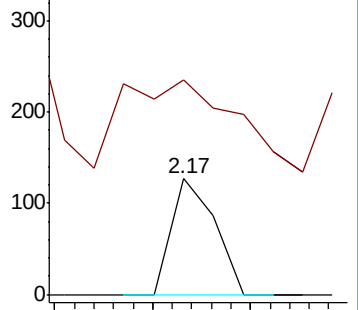
74 100

45 214.1 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 0.472 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017091.D

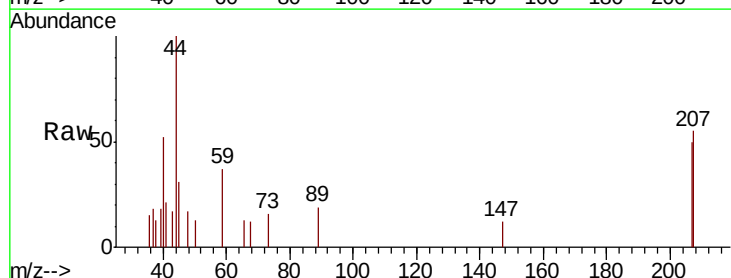
Acq: 01 Jul 2020 12:36

Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

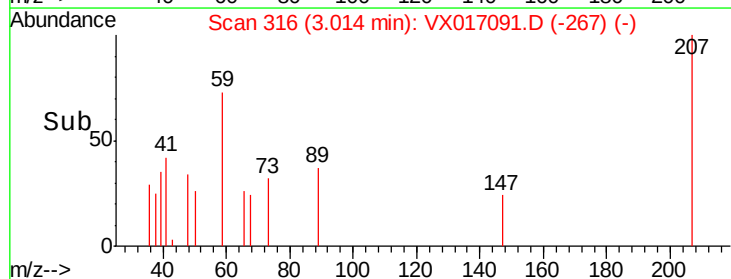
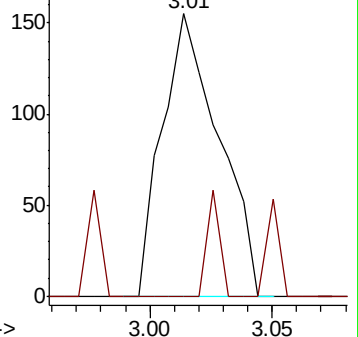
59 100

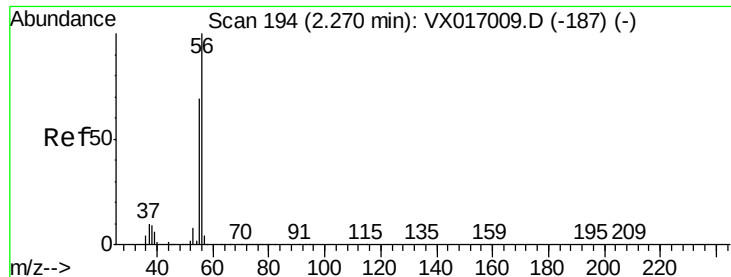
57 8.4 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.367 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

Instrument :

MSVOA_X

ClientSampled :

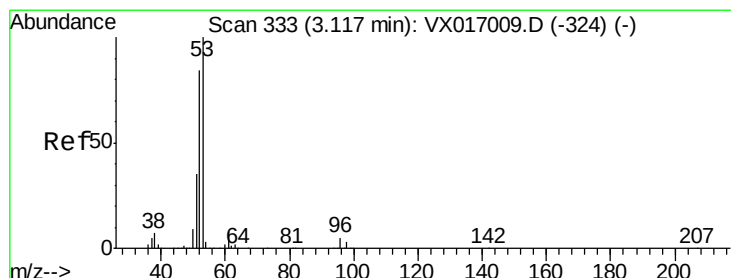
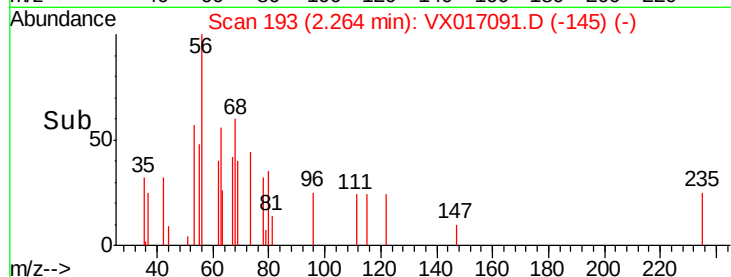
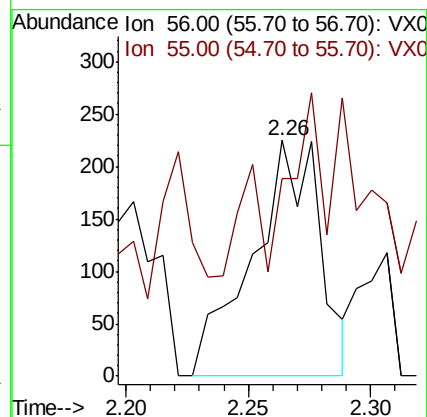
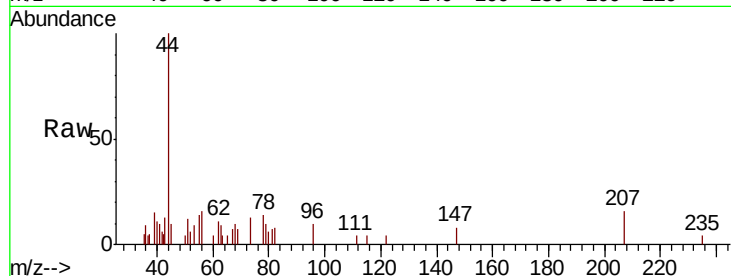
1446

Tot Ion: 56 Resp: 431

Ion Ratio Lower Upper

56 100

55 32.3 55.7 83.5#



#15

Acrylonitrile

Concen: 0.284 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

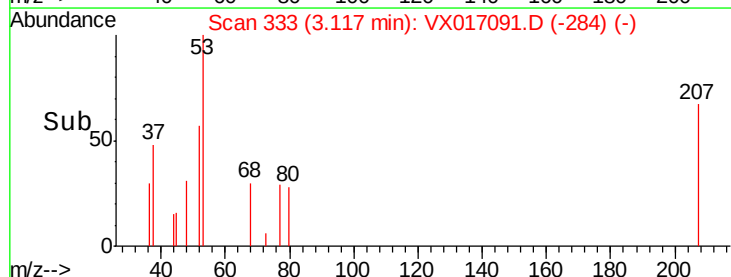
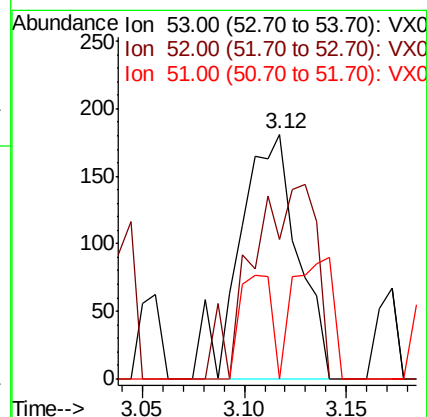
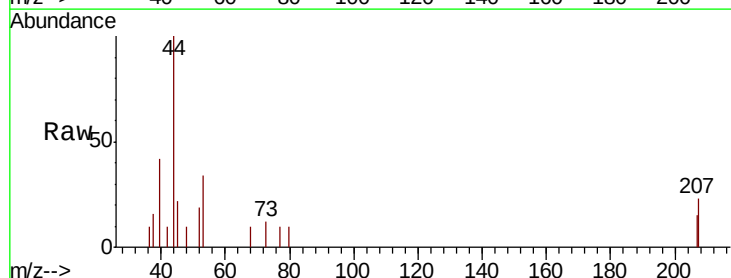
Tgt Ion: 53 Resp: 360

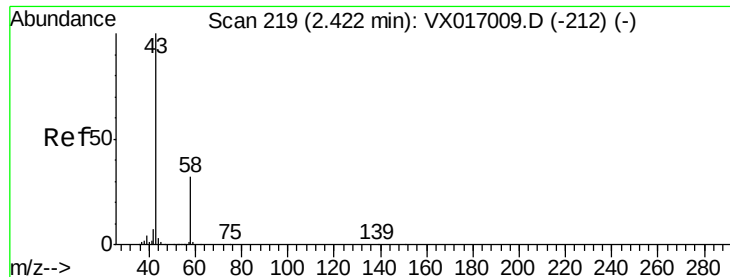
Ion Ratio Lower Upper

53 100

52 88.1 65.6 98.4

51 0.0 28.3 42.5#





#16

Acetone

Concen: 3.788 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

Instrument :

MSVOA_X

ClientSampled :

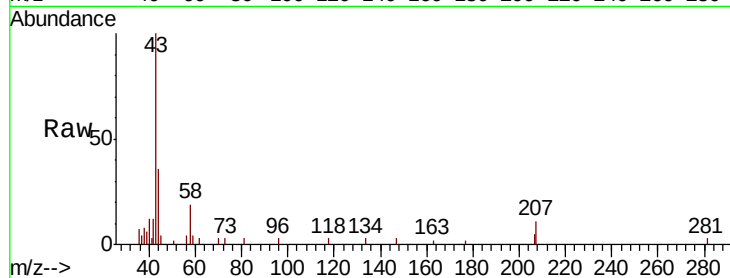
1446

Tot Ion: 43 Resp: 3918

Ion Ratio Lower Upper

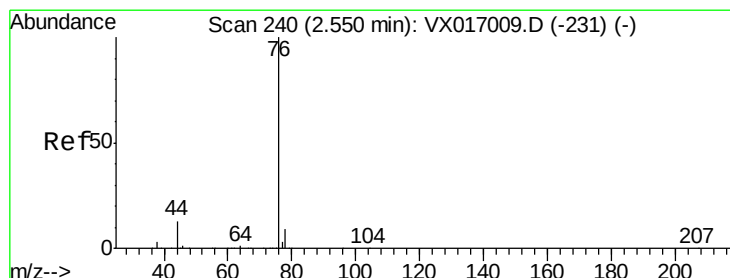
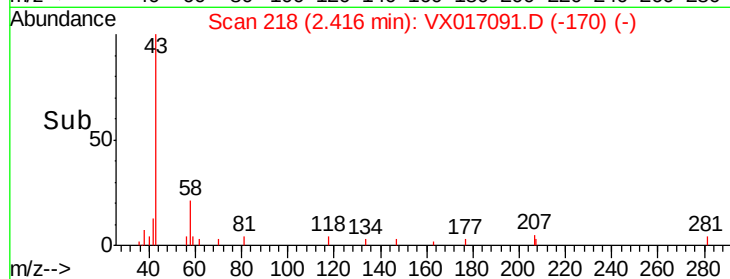
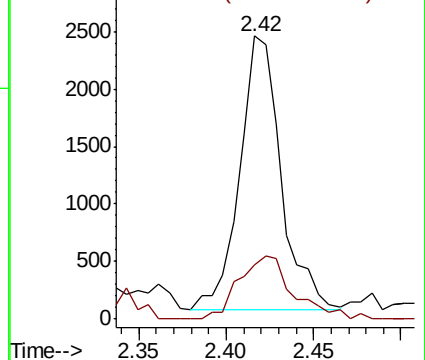
43 100

58 19.7 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: 0.220 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017091.D

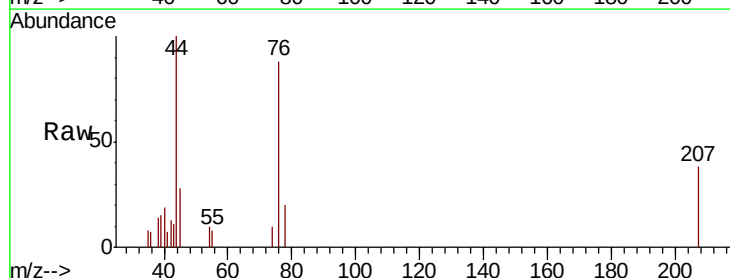
Acq: 01 Jul 2020 12:36

Tgt Ion: 76 Resp: 1222

Ion Ratio Lower Upper

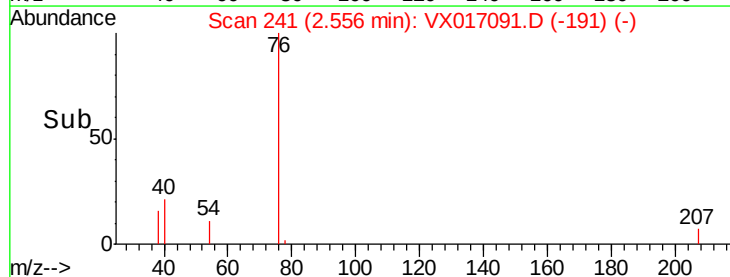
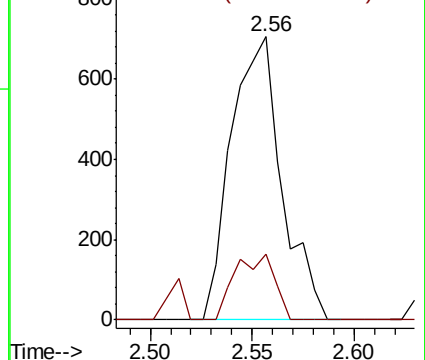
76 100

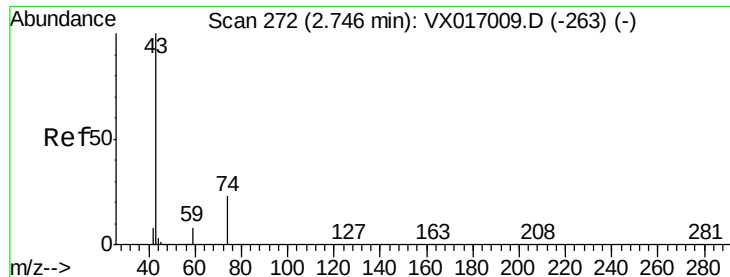
78 23.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

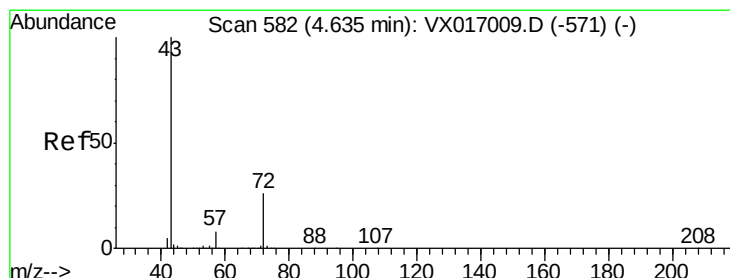
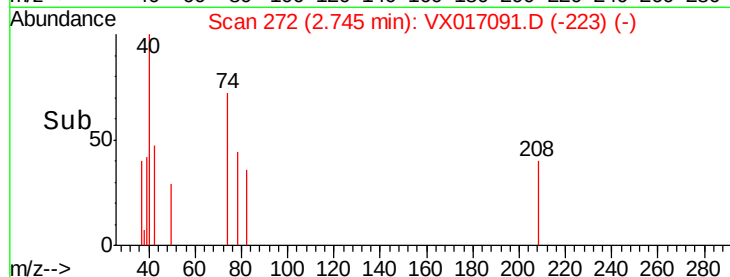
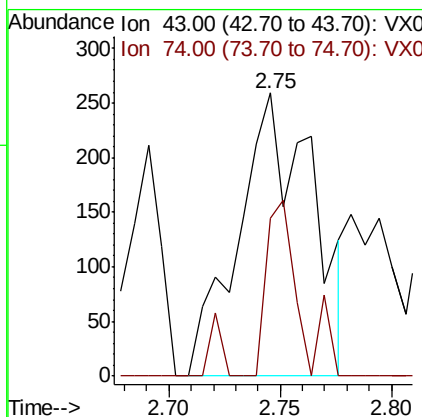
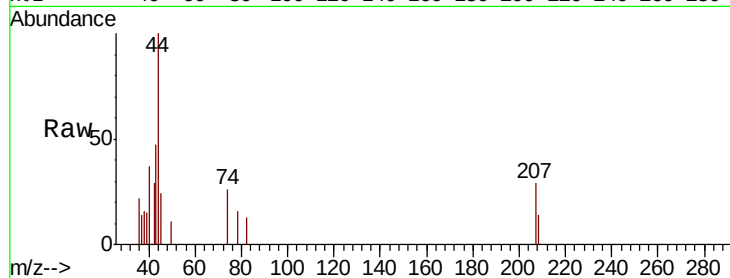




#18
Methvl Acetate
Concen: 0.223 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX017091.D
Acq: 01 Jul 2020 12:36

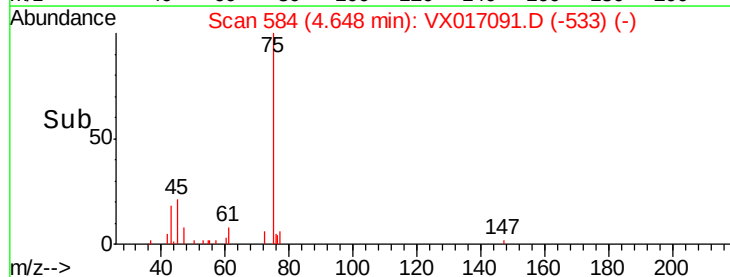
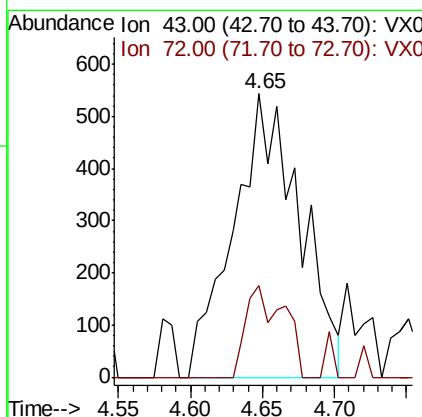
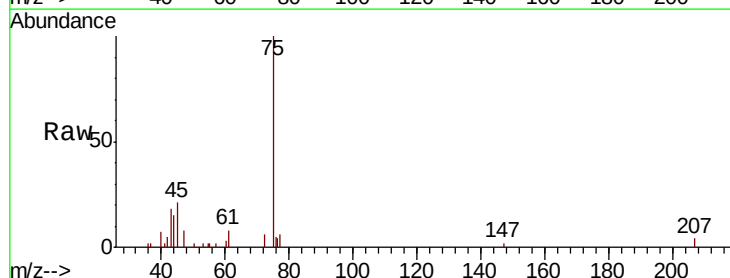
Instrument :
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ClientSampled :
1446

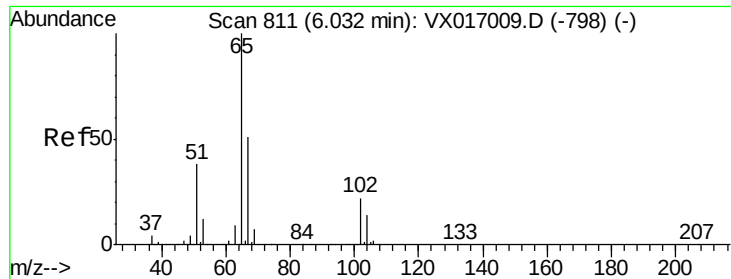
Tot Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
74 27.1 19.3 28.9



#25
2-Butanone
Concen: 1.009 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017091.D
Acq: 01 Jul 2020 12:36

Tgt Ion: 43 Resp: 1739
Ion Ratio Lower Upper
43 100
72 32.2 20.8 31.2#

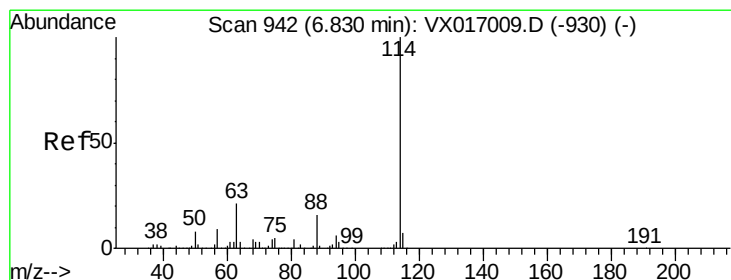
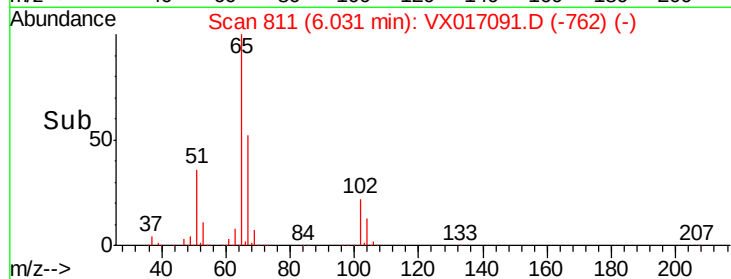
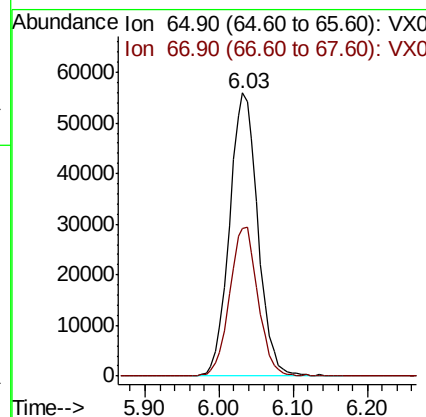
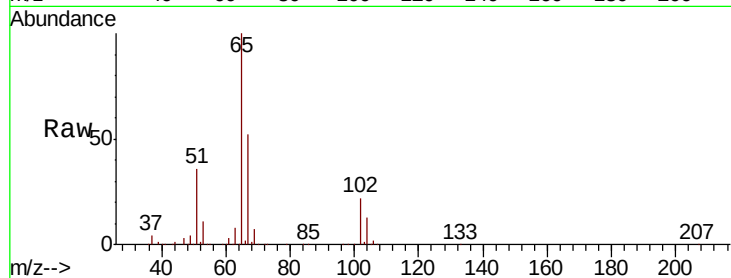




#33
 1,2-Dichloroethane-d4
 Concen: 53.845 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017091.D
 Acq: 01 Jul 2020 12:36

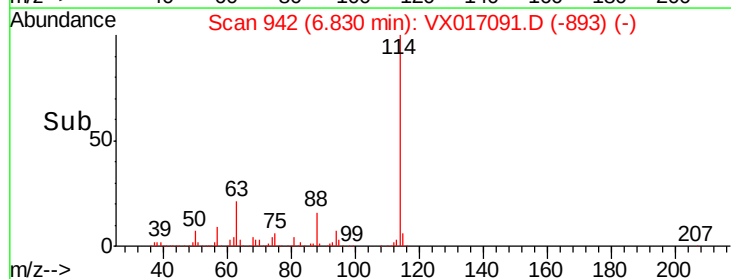
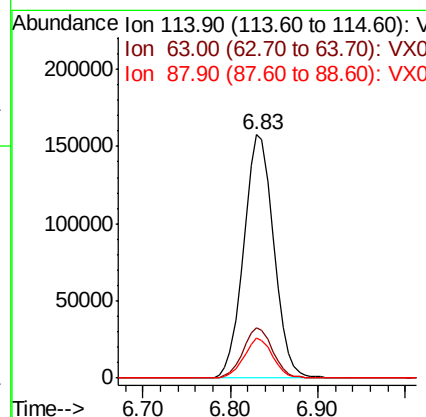
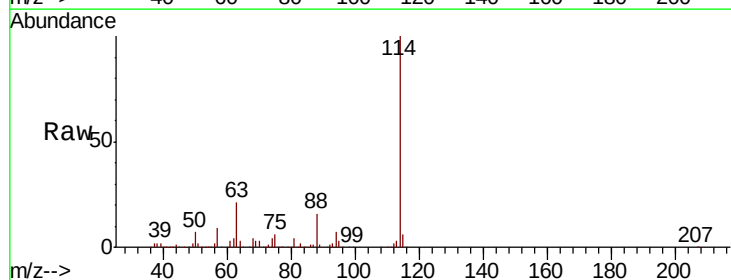
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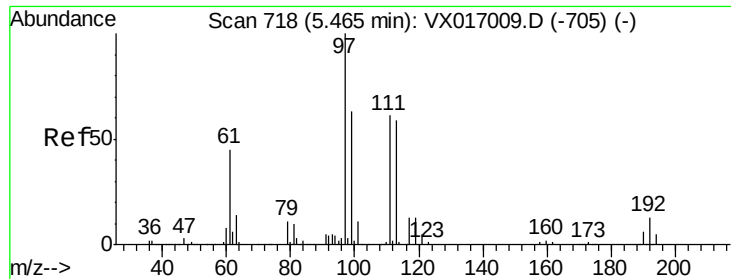
Tot Ion: 65 Resp: 148873
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017091.D
 Acq: 01 Jul 2020 12:36

Tgt Ion: 114 Resp: 375715
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 16.5 0.0 32.4

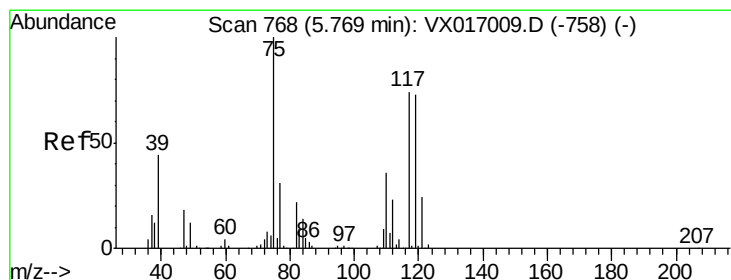
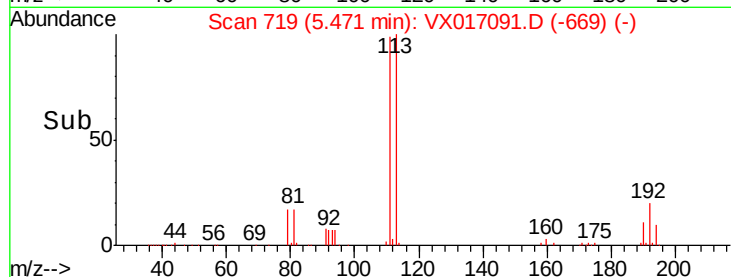
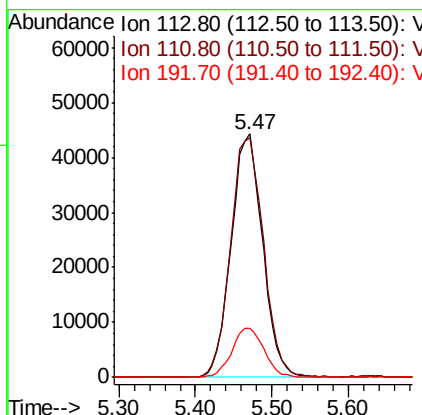
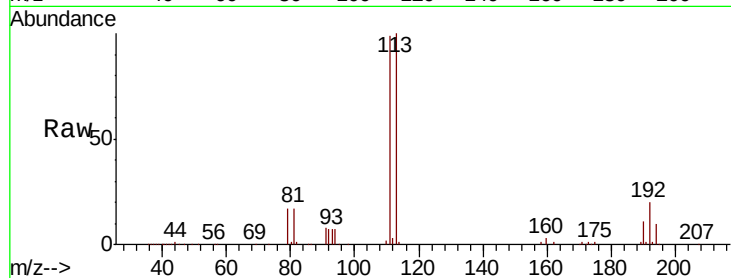




#35
 Dibromofluoromethane
 Concen: 53.288 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017091.D
 Acq: 01 Jul 2020 12:36

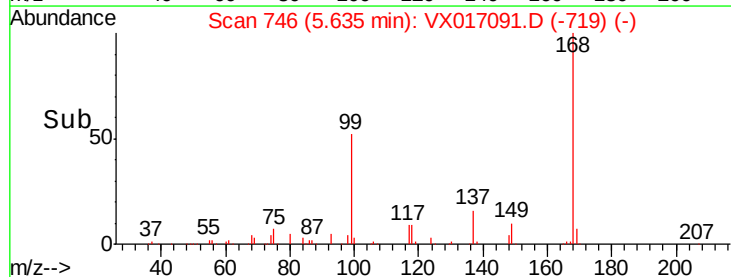
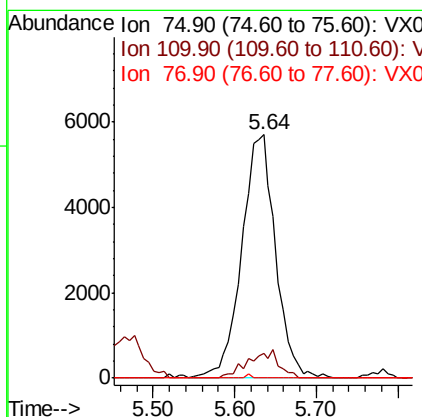
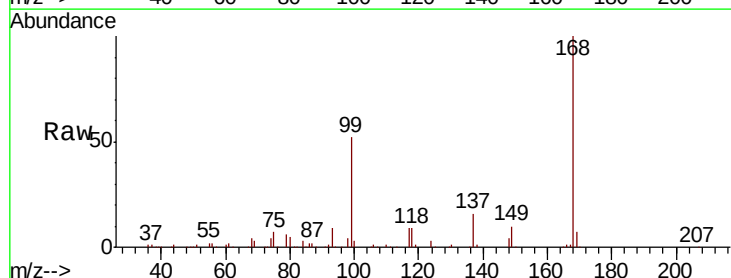
Instrument :
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 ClientSampleId :
 1446

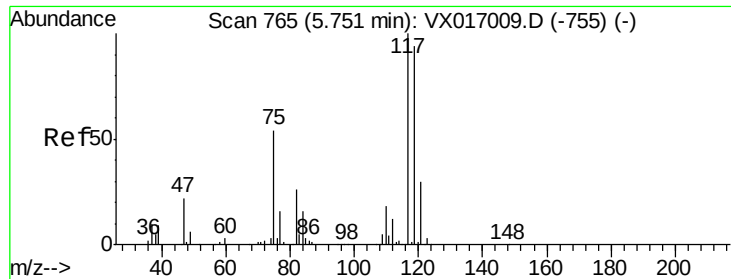
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	20.7	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.637 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017091.D
 Acq: 01 Jul 2020 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	0.0	24.6	37.0#

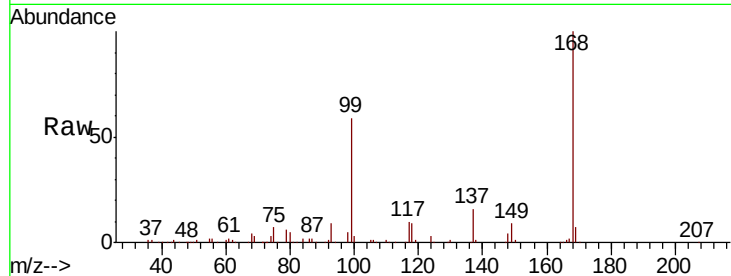




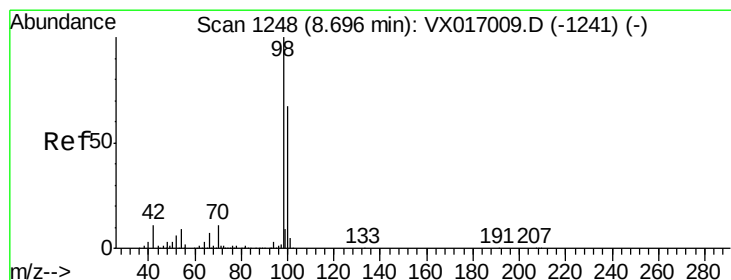
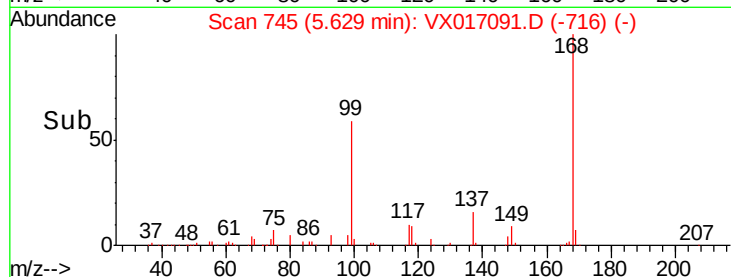
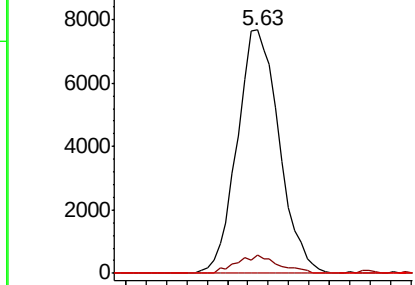
#38
Carbon Tetrachloride
Concen: 5.604 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX017091.D
Acq: 01 Jul 2020 12:36

Instrument :
MSVOA_X
ClientSampleId :
1446

Tot Ion:117 Resp: 21919
Ion Ratio Lower Upper
117 100
119 7.4 75.4 113.0#
121 0.0 23.8 35.6#

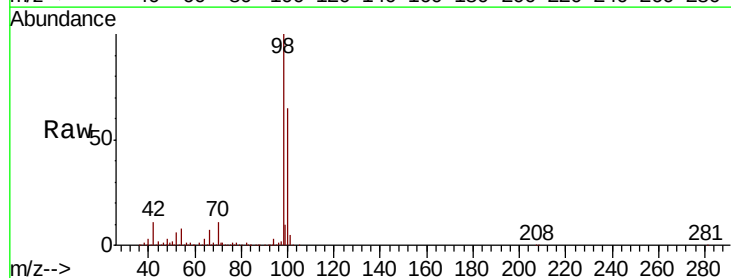


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

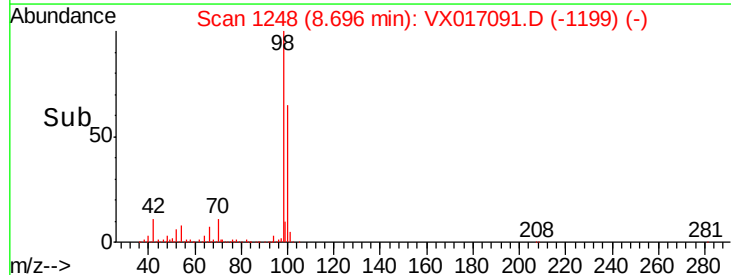
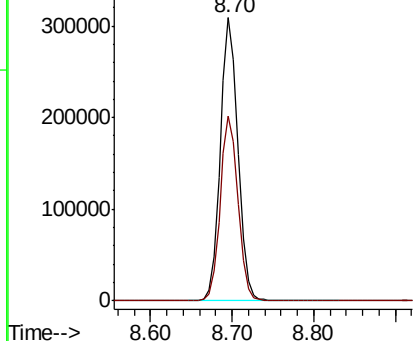


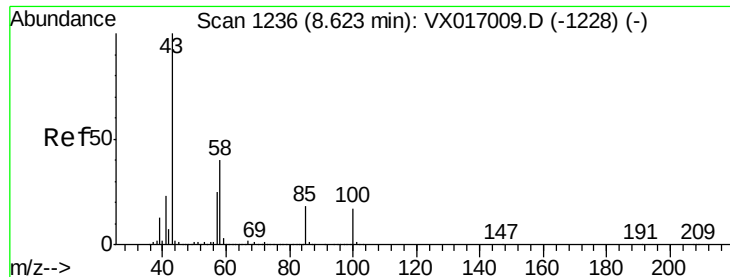
#50
Toluene-d8
Concen: 52.971 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017091.D
Acq: 01 Jul 2020 12:36

Tgt Ion: 98 Resp: 465527
Ion Ratio Lower Upper
98 100
100 65.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

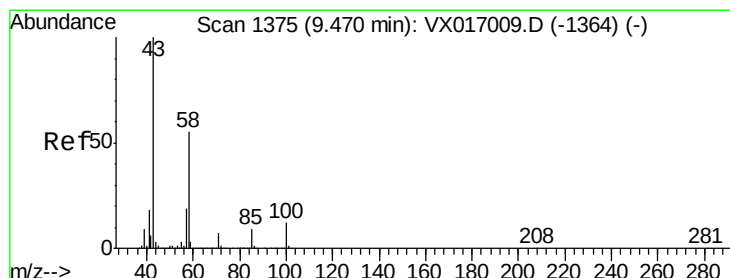
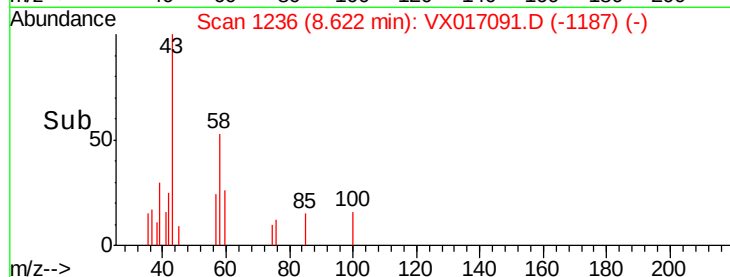
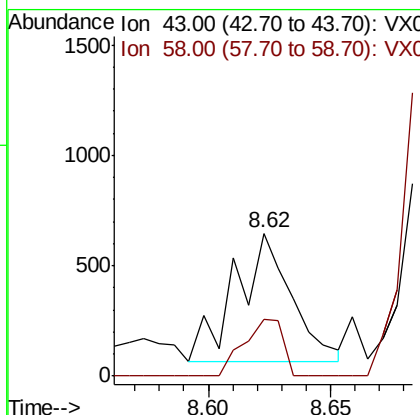
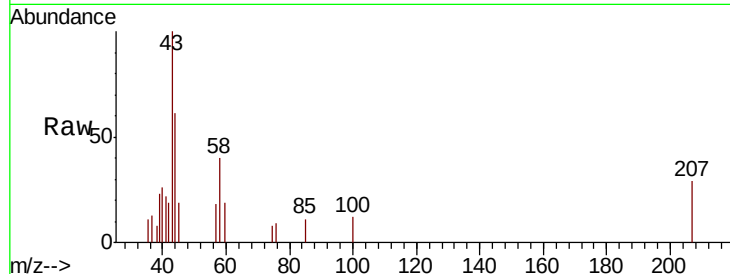




#51
 4-Methyl-2-Pentanone
 Concen: 0.258 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX017091.D
 Acq: 01 Jul 2020 12:36

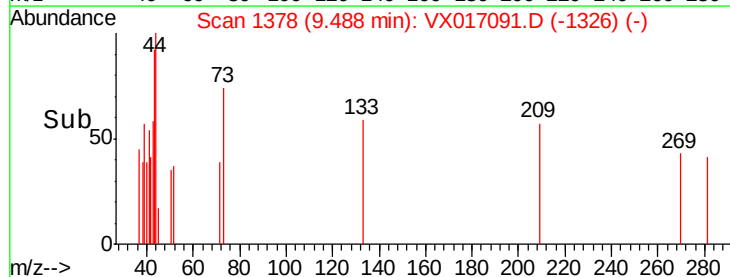
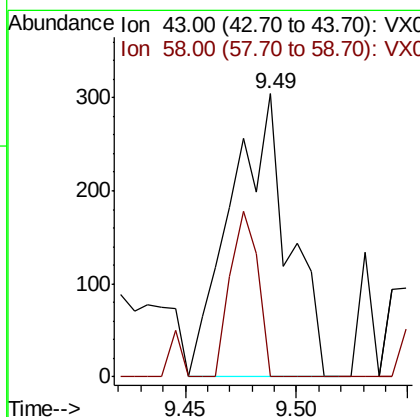
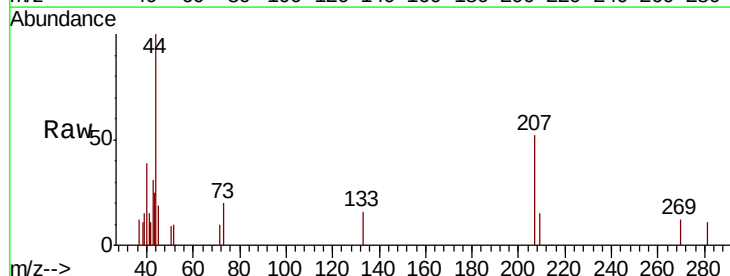
Instrument :
 MSVOA_X
 ClientSampled :
 1446

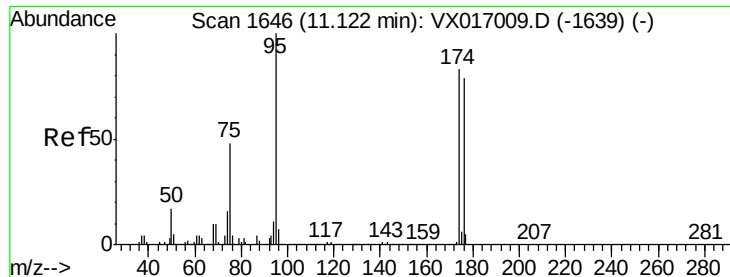
Tot Ion: 43 Resp: 920
 Ion Ratio Lower Upper
 43 100
 58 31.4 31.9 47.9#



#59
 2-Hexanone
 Concen: 0.210 ug/l
 RT: 9.49 min Scan# 1378
 Delta R.T. 0.02 min
 Lab File: VX017091.D
 Acq: 01 Jul 2020 12:36

Tgt Ion: 43 Resp: 548
 Ion Ratio Lower Upper
 43 100
 58 27.9 27.9 83.6





#62

4-Bromofluorobenzene

Concen: 55.776 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

1446

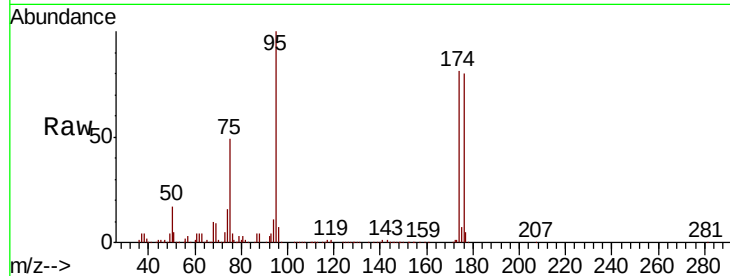
Tot Ion: 95 Resp: 191618

Ion Ratio Lower Upper

95 100

174 81.9 0.0 164.0

176 78.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017091.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017091.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017091.D (-1639) (-)

11.12

150000

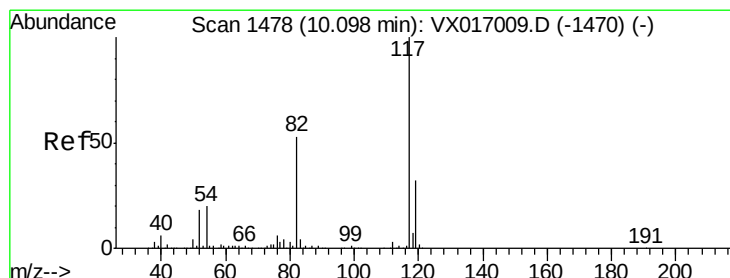
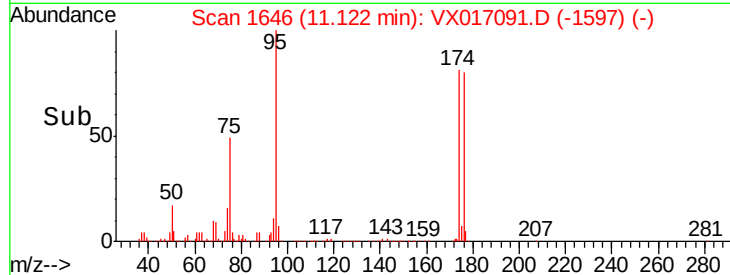
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

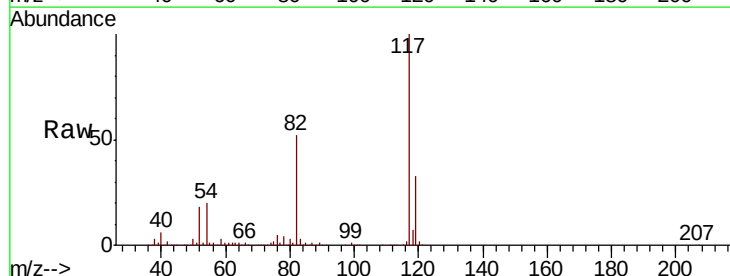
Tgt Ion: 117 Resp: 388396

Ion Ratio Lower Upper

117 100

82 52.3 42.6 63.8

119 32.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VX017091.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017091.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017091.D (-1429) (-)

10.10

400000

300000

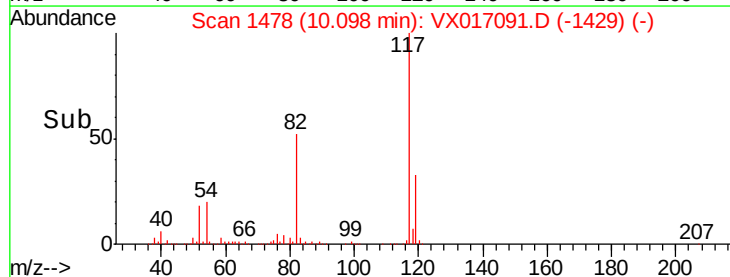
200000

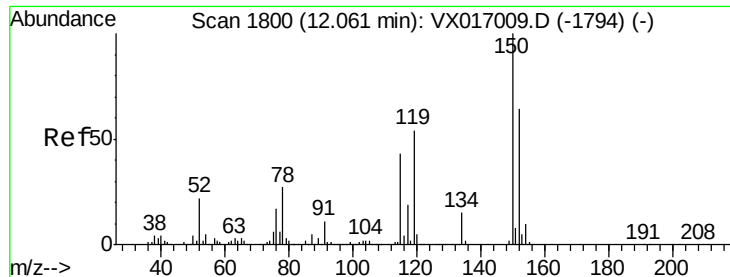
100000

0

10.00 10.05 10.10 10.15

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

1446

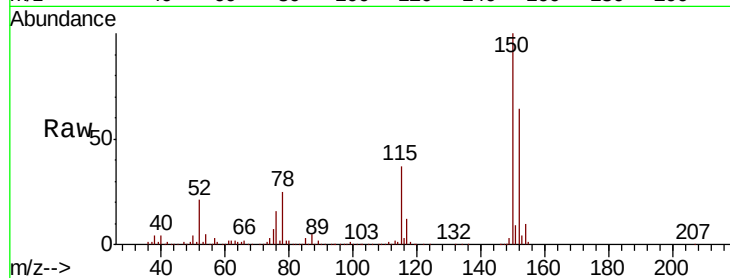
Tot Ion:152 Resp: 195232

Ion Ratio Lower Upper

152 100

115 57.9 40.9 122.7

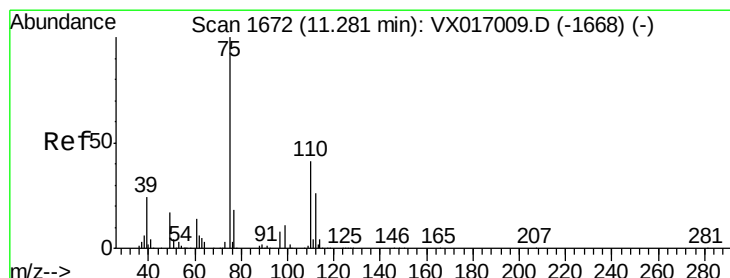
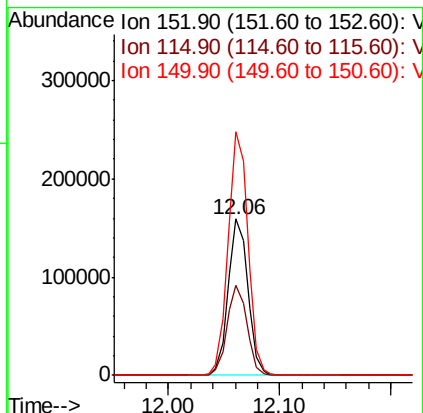
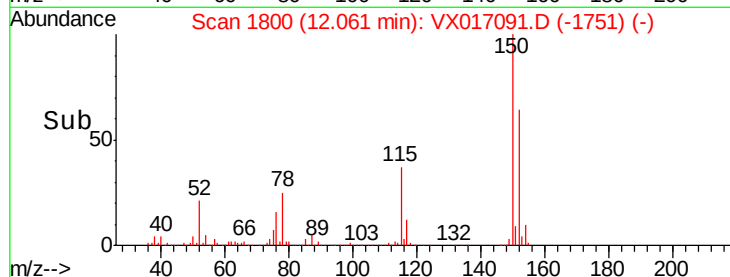
150 156.4 0.0 351.6



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: 24.496 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017091.D

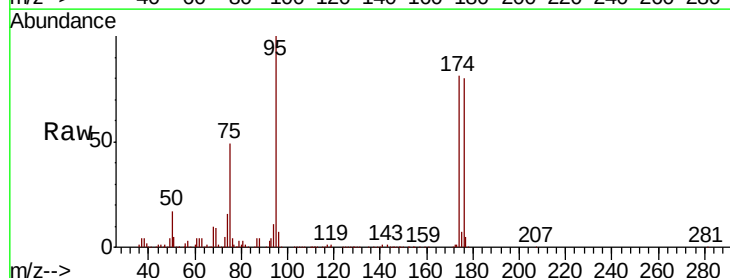
Acq: 01 Jul 2020 12:36

Tgt Ion: 75 Resp: 94043

Ion Ratio Lower Upper

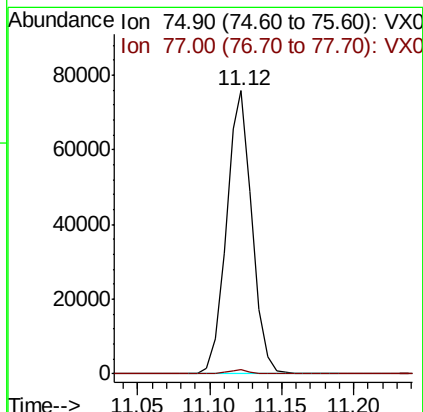
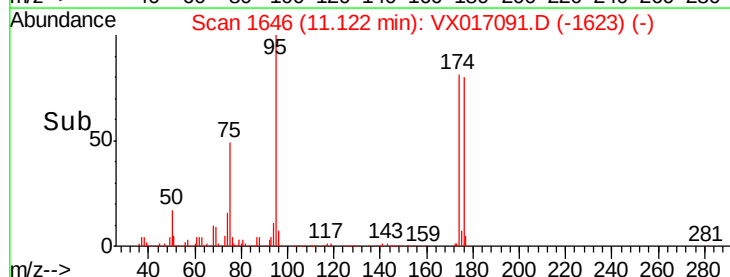
75 100

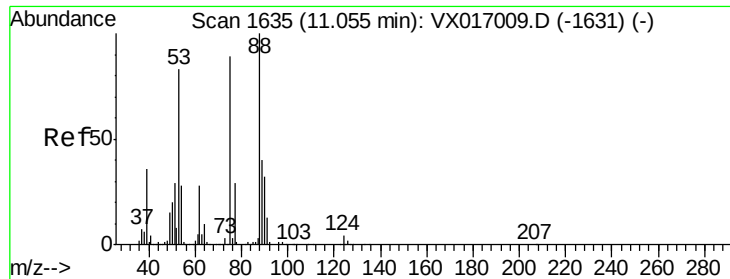
77 1.3 20.2 60.6#



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: 63.436 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

1446

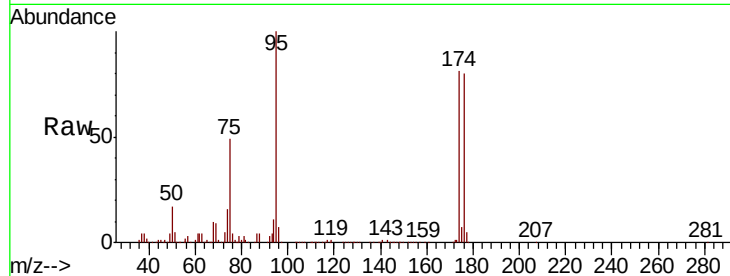
Tot Ion: 75 Resp: 94043

Ion Ratio Lower Upper

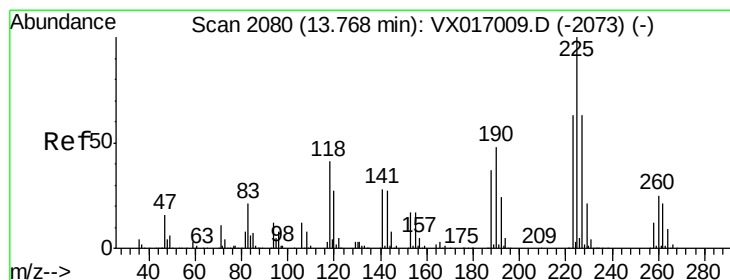
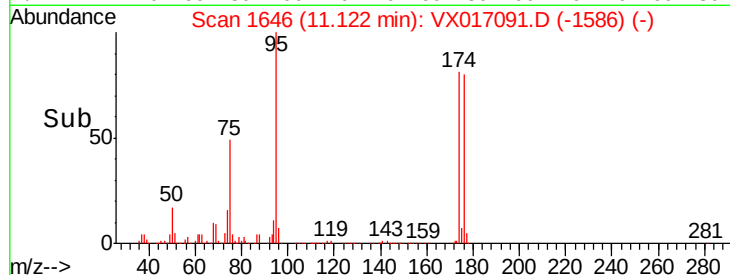
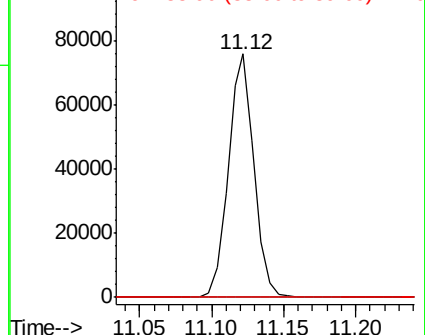
75 100

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: 0.982 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017091.D

Acq: 01 Jul 2020 12:36

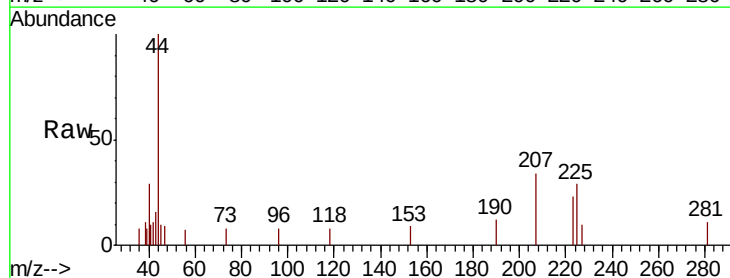
Tgt Ion: 225 Resp: 217

Ion Ratio Lower Upper

225 100

223 68.7 32.5 97.5

227 32.3 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

