

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017022.D
 Acq On : 29 Jun 2020 21:11
 Operator : JC/SP
 Sample : L3143-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-20200626

Quant Time: Jun 30 05:32:54 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

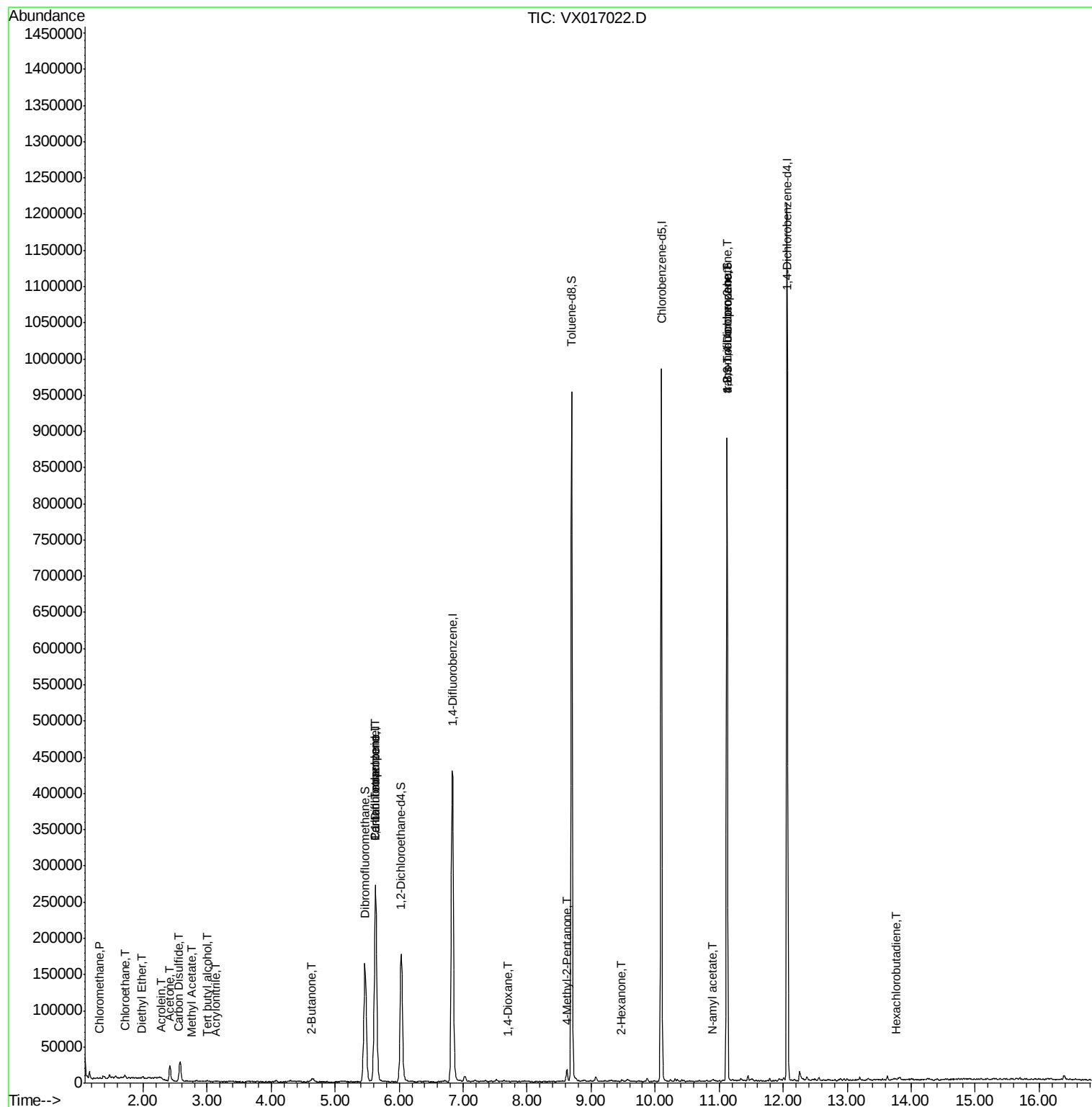
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	254598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	441467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	458692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238314	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	167271	53.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.58%	
35) Dibromofluoromethane	5.46	113	141616	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
50) Toluene-d8	8.70	98	543863	52.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	11.12	95	228729	56.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.32%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	897	0.301	ug/l #	81
6) Chloroethane	1.72	64	2014	1.233	ug/l	91
8) Diethyl Ether	1.98	74	97	0.435	ug/l	89
11) Tert butyl alcohol	3.01	59	1630	2.722	ug/l #	77
13) Acrolein	2.28	56	510	1.425	ug/l #	15
15) Acrylonitrile	3.13	53	455	0.316	ug/l #	75
16) Acetone	2.42	43	23161	19.726	ug/l	99
17) Carbon Disulfide	2.55	76	4259	0.628	ug/l #	89
18) Methyl Acetate	2.75	43	915	0.299	ug/l #	68
20) Methylene Chloride	2.84	84	757	Below Cal	#	88
25) 2-Butanone	4.64	43	7252	3.707	ug/l	99
36) 1,1-Dichloropropene	5.63	75	18922	4.535	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25458	5.540	ug/l #	18
44) Trichloroethene	7.20	130	706	Below Cal		87
49) 1,4-Dioxane	7.70	88	42	0.555	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	9900	2.361	ug/l	98
59) 2-Hexanone	9.48	43	953	0.311	ug/l	84
74) N-amyl acetate	10.90	43	1345	0.202	ug/l #	63
76) 1,2,3-Trichloropropane	11.12	75	111715	23.839	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	111715	61.733	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	1047	Below Cal	#	25
94) Hexachlorobutadiene	13.77	225	191	0.944	ug/l #	35

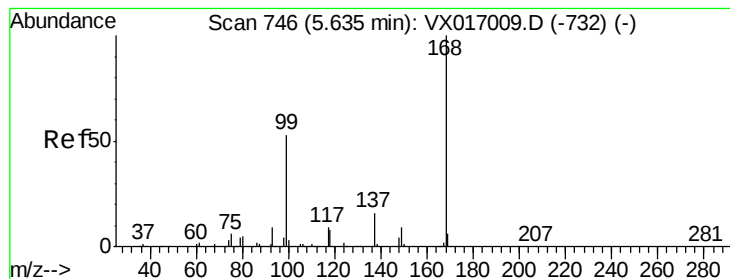
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
WC-20200626

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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: VX017022.D

Acq: 29 Jun 2020 21:11

Instrument :

MSVOA_X

ClientSampled :

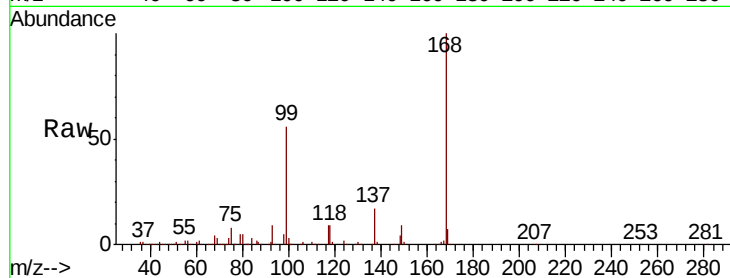
WC-20200626

Tot Ion:168 Resp: 254598

Ion Ratio Lower Upper

168 100

99 55.8 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

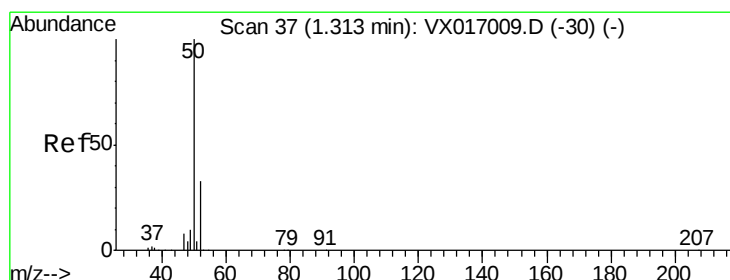
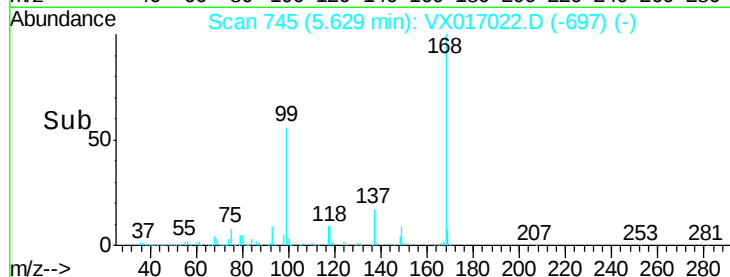
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.301 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017022.D

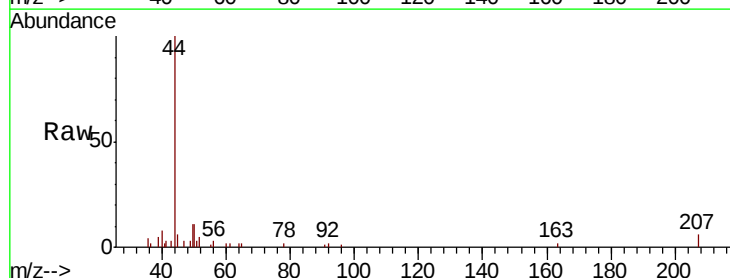
Acq: 29 Jun 2020 21:11

Tgt Ion: 50 Resp: 897

Ion Ratio Lower Upper

50 100

52 22.1 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

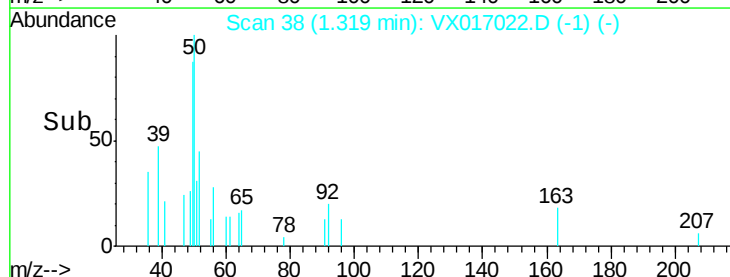
600

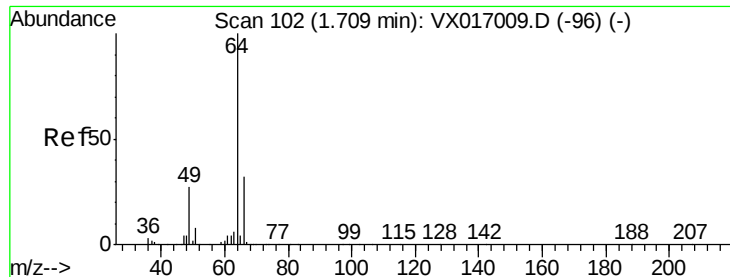
400

200

0

Time-->

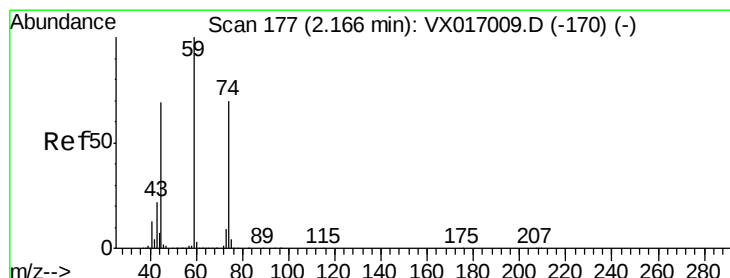
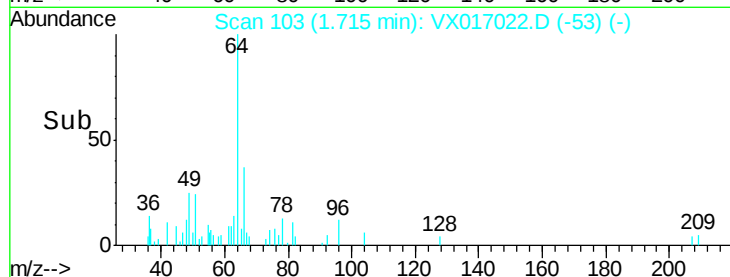
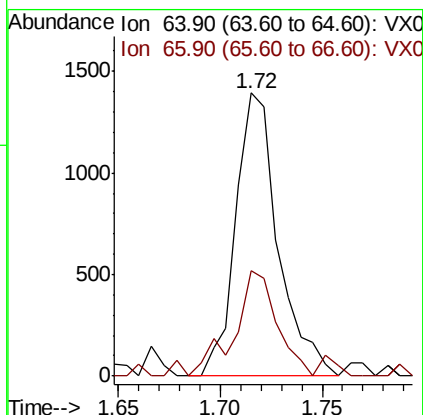
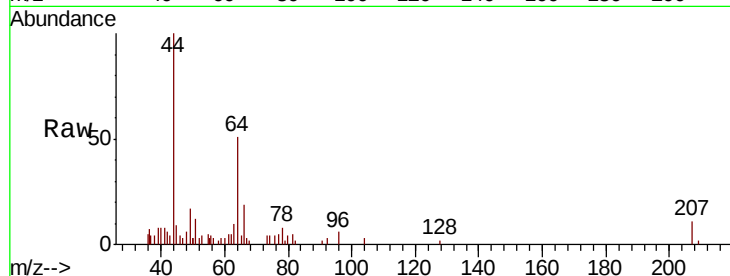




#6
Chloroethane
Concen: 1.233 ug/l
RT: 1.72 min Scan# 103
Delta R.T. 0.01 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

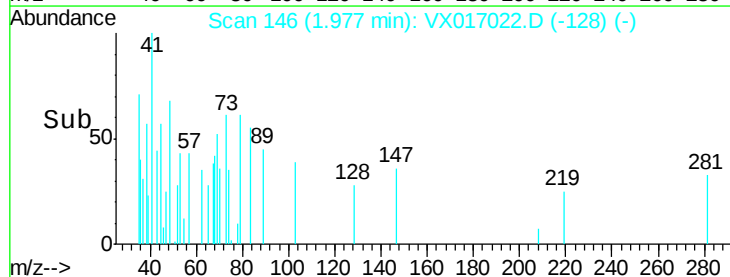
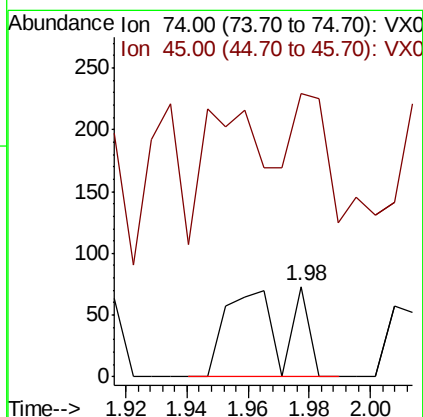
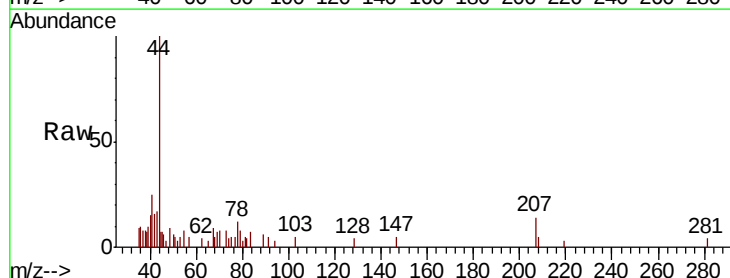
Instrument :
MSVOA_X
ClientSampleId :
WC-20200626

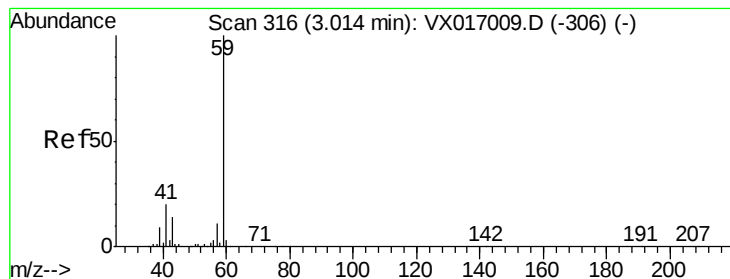
Tot Ion: 64 Resp: 2014
Ion Ratio Lower Upper
64 100
66 37.0 25.5 38.3



#8
Diethyl Ether
Concen: 0.435 ug/l
RT: 1.98 min Scan# 146
Delta R.T. -0.19 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

Tgt Ion: 74 Resp: 97
Ion Ratio Lower Upper
74 100
45 110.3 49.8 149.3



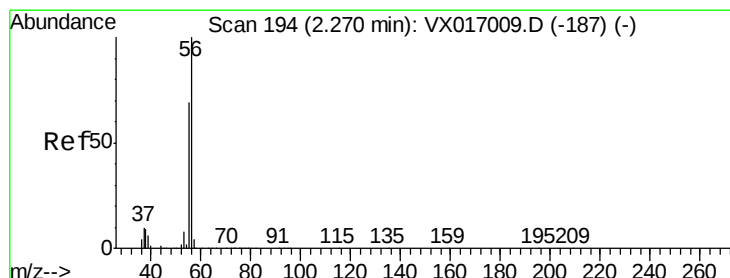
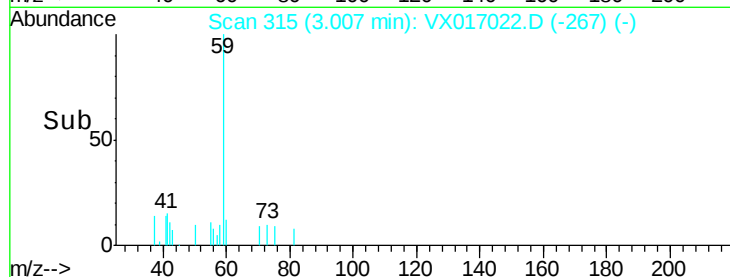
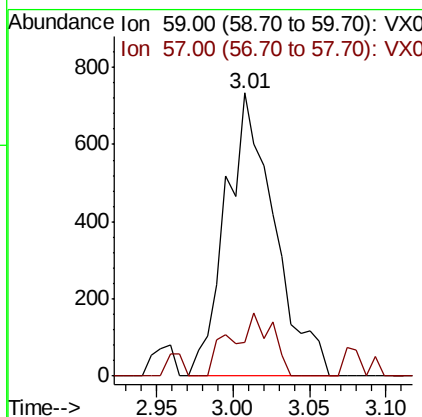
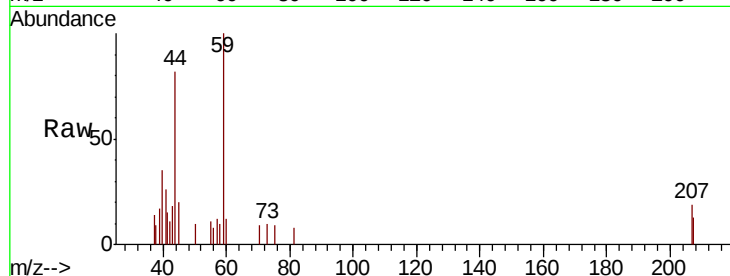


#11

Tert butyl alcohol
Concen: 2.722 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

Instrument :
MSVOA_X
ClientSampleId :
WC-20200626

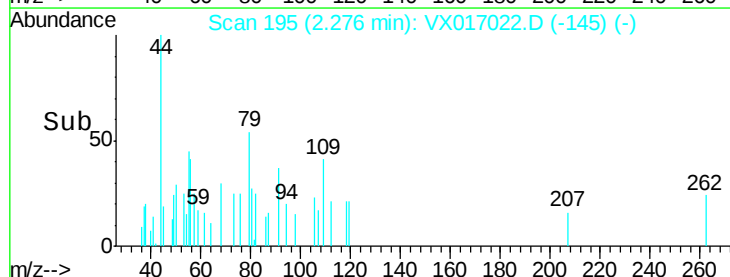
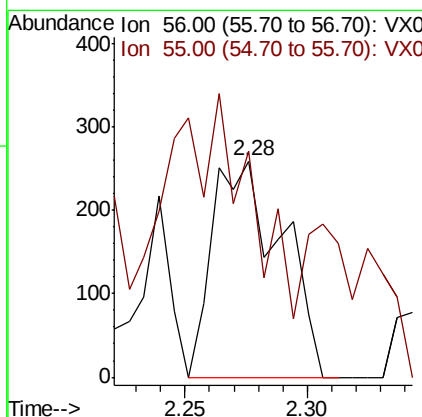
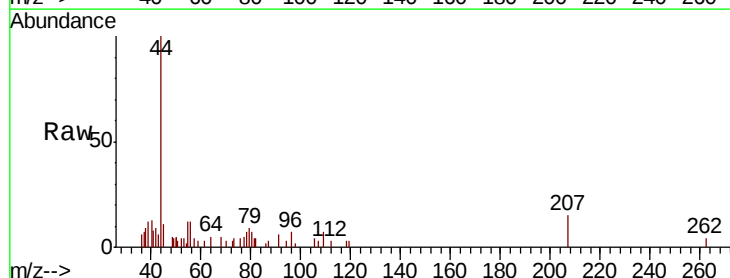
Tot Ion: 59 Resp: 1630
Ion Ratio Lower Upper
59 100
57 18.6 8.2 12.2#

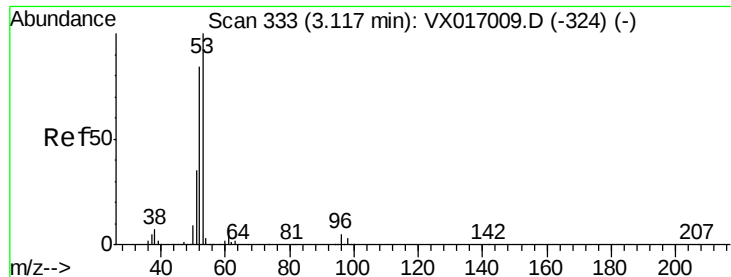


#13

Acrolein
Concen: 1.425 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

Tgt Ion: 56 Resp: 510
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#





#15

Acrylonitrile

Concen: 0.316 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX017022.D

Acq: 29 Jun 2020 21:11

Instrument :

MSVOA_X

ClientSampled :

WC-20200626

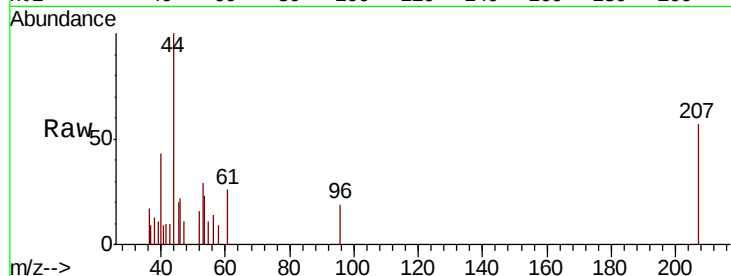
Tot Ion: 53 Resp: 455

Ion Ratio Lower Upper

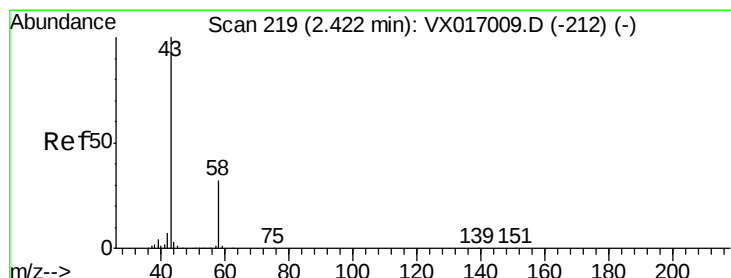
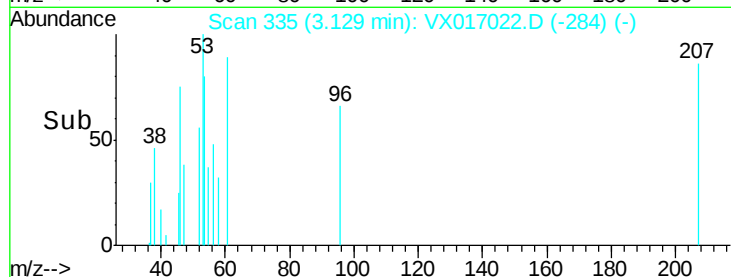
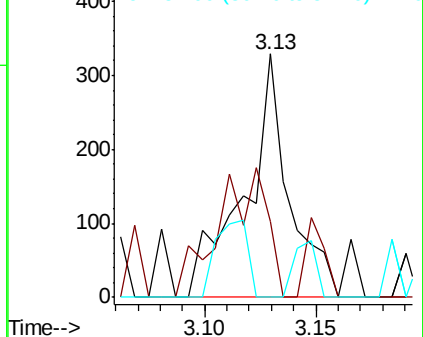
53 100

52 58.7 65.6 98.4#

51 22.6 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: 19.726 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017022.D

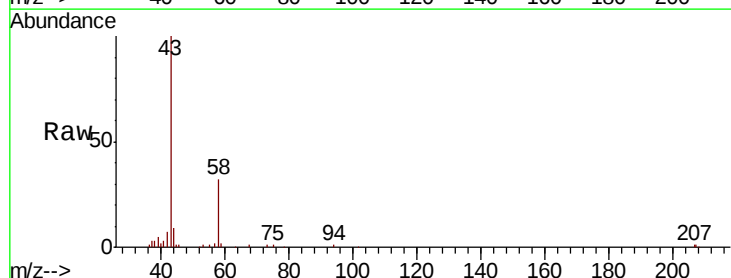
Acq: 29 Jun 2020 21:11

Tgt Ion: 43 Resp: 23161

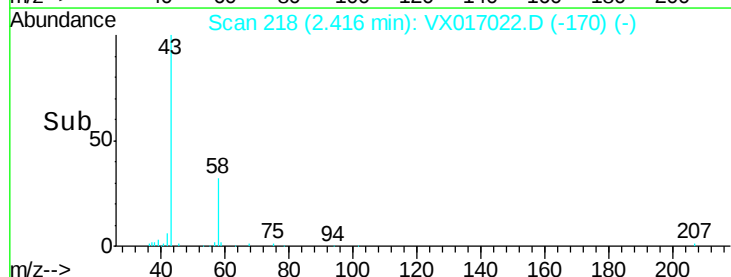
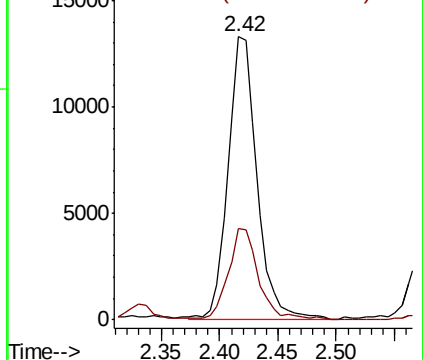
Ion Ratio Lower Upper

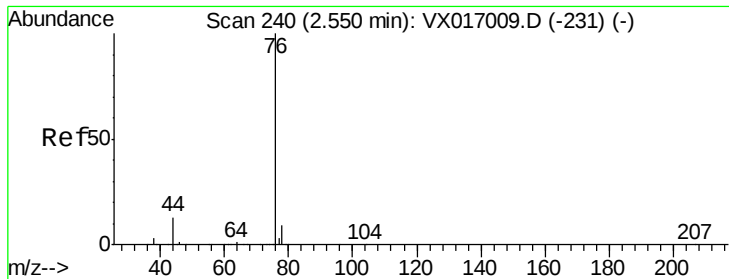
43 100

58 32.5 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: 0.628 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017022.D

Acq: 29 Jun 2020 21:11

Instrument :

MSVOA_X

ClientSampled :

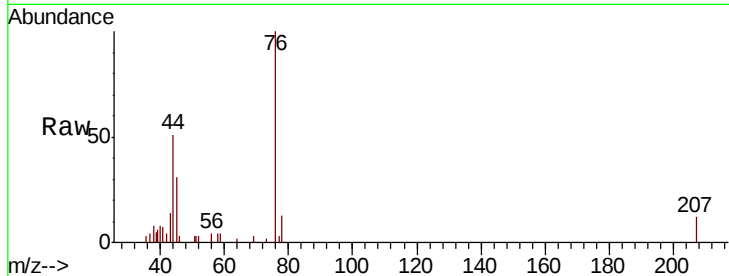
WC-20200626

Tot Ion: 76 Resp: 4259

Ion Ratio Lower Upper

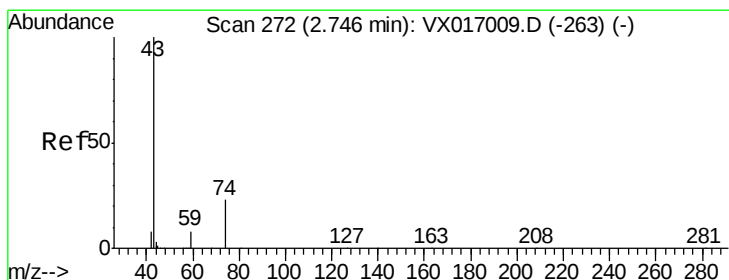
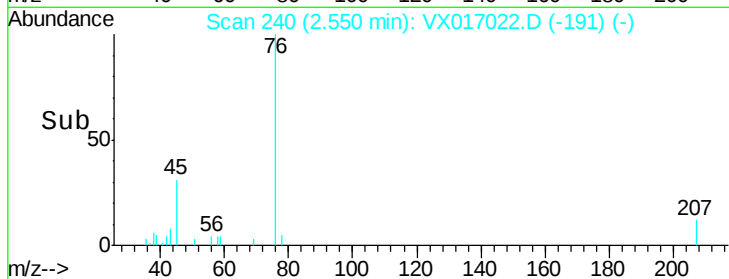
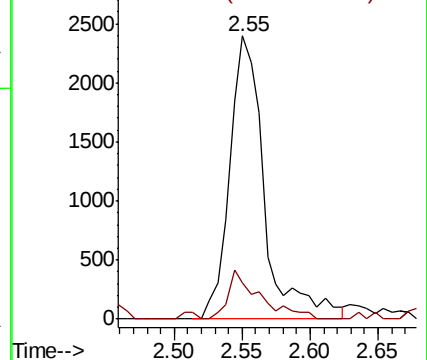
76 100

78 12.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.299 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017022.D

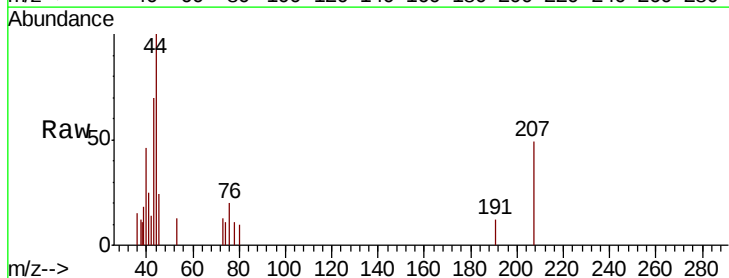
Acq: 29 Jun 2020 21:11

Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

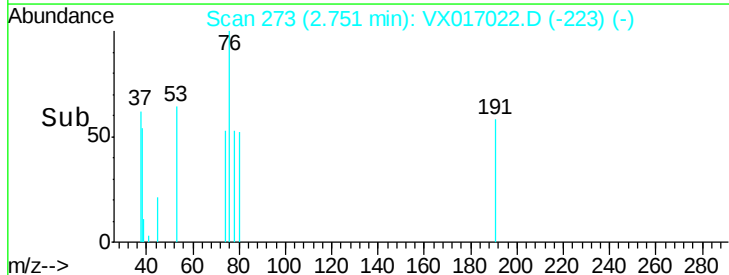
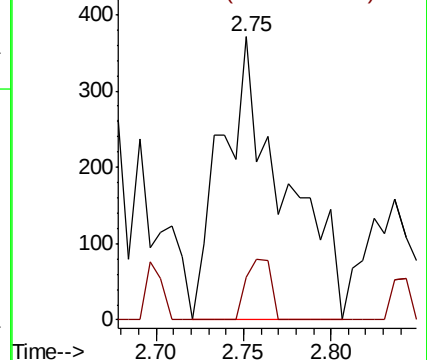
43 100

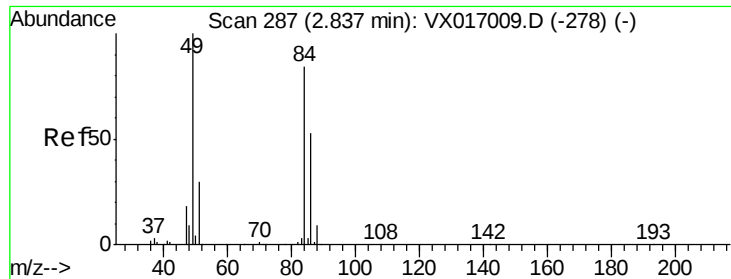
74 8.5 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

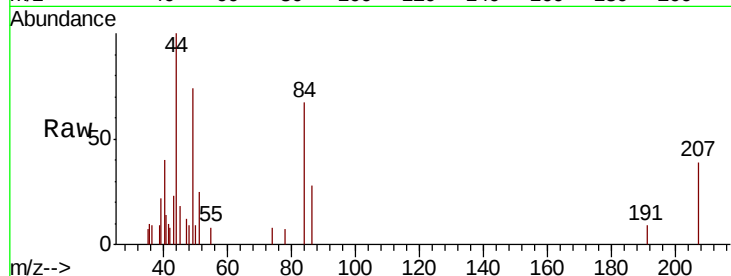




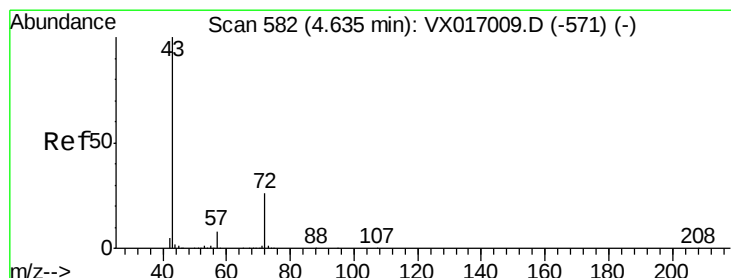
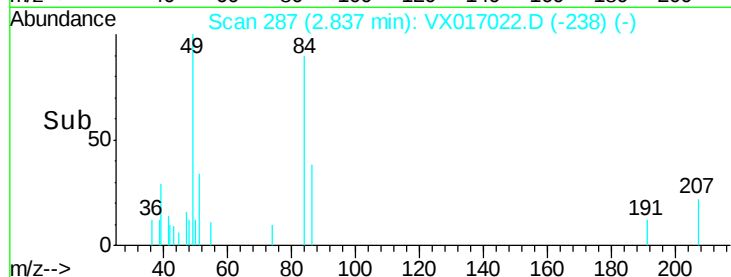
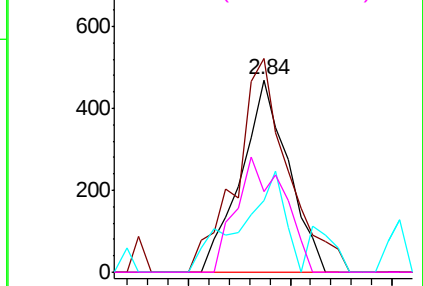
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

Instrument :
MSVOA_X
ClientSampleId :
WC-20200626

Tot Ion: 84 Resp: 757
Ion Ratio Lower Upper
84 100
49 110.9 94.7 142.1
51 37.4 28.6 42.8
86 41.9 50.5 75.7#

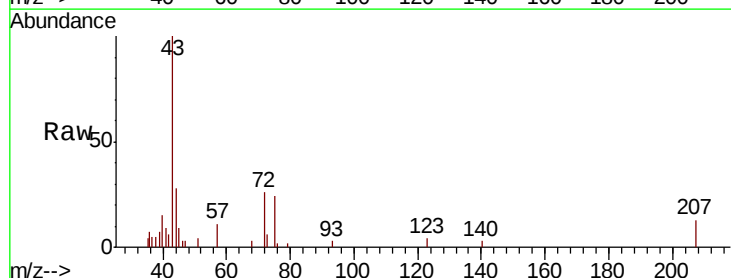


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

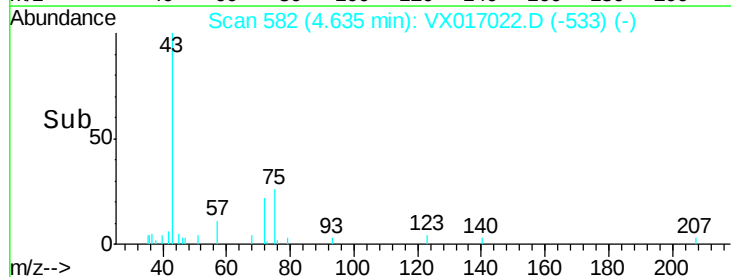
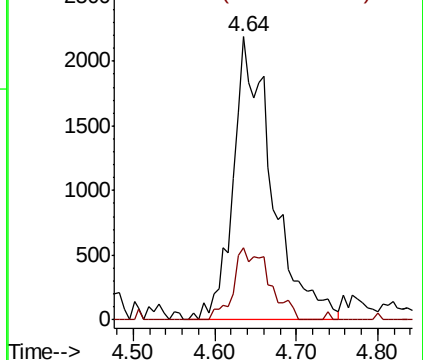


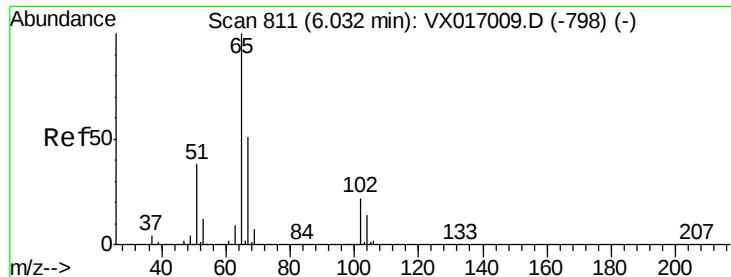
#25
2-Butanone
Concen: 3.707 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

Tgt Ion: 43 Resp: 7252
Ion Ratio Lower Upper
43 100
72 25.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.293 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017022.D

Acq: 29 Jun 2020 21:11

Instrument :

MSVOA_X

ClientSampleId :

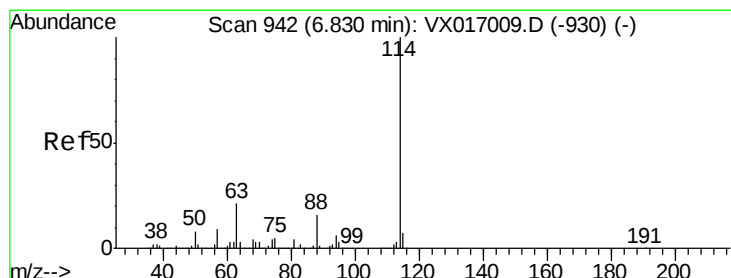
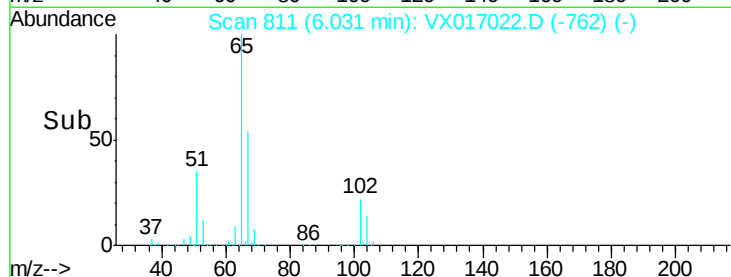
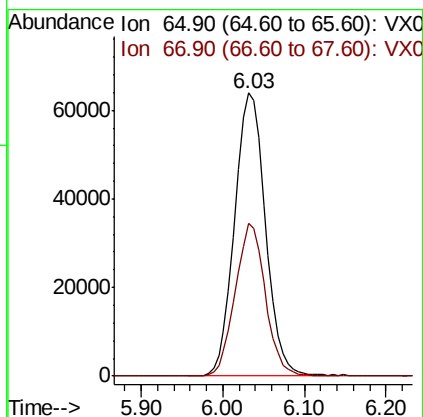
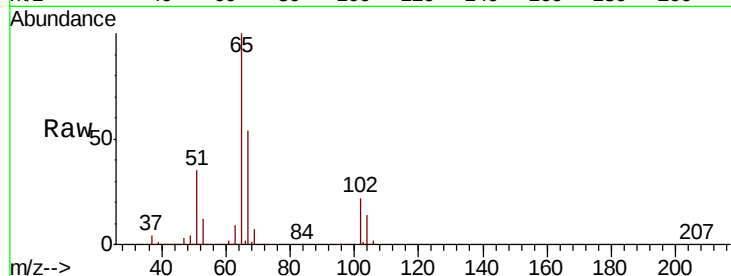
WC-20200626

Tot Ion: 65 Resp: 167271

Ion Ratio Lower Upper

65 100

67 52.8 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: VX017022.D

Acq: 29 Jun 2020 21:11

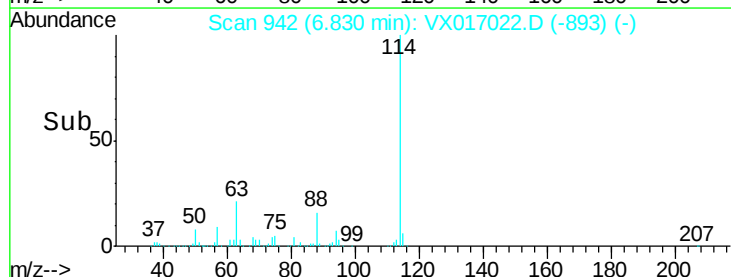
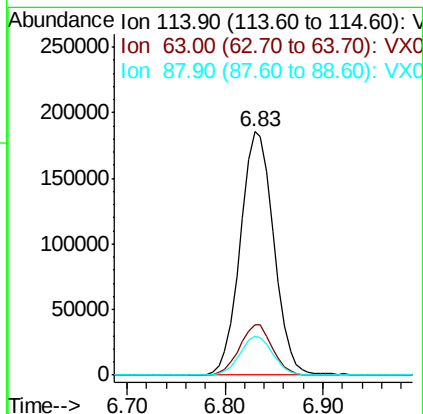
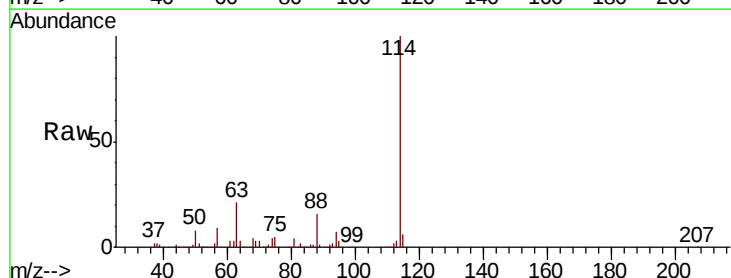
Tgt Ion: 114 Resp: 441467

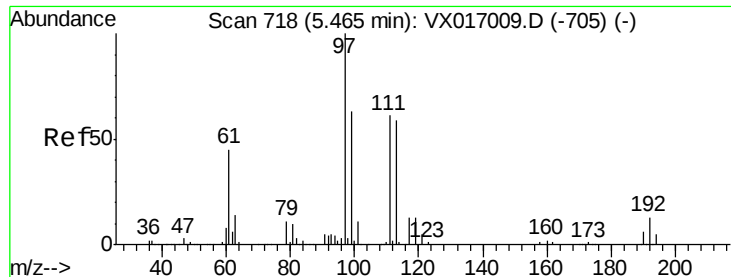
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

88 15.9 0.0 32.4

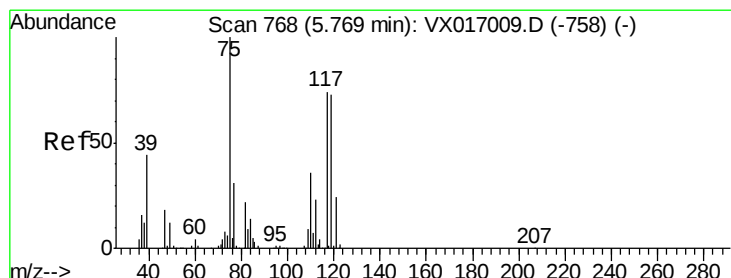
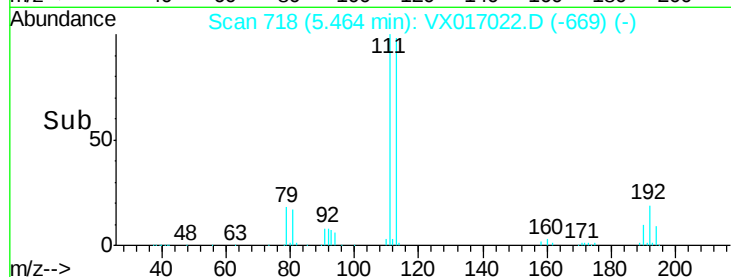
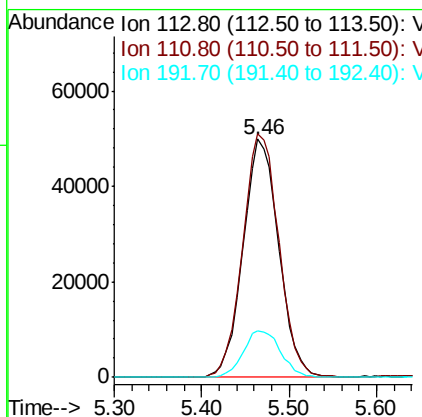
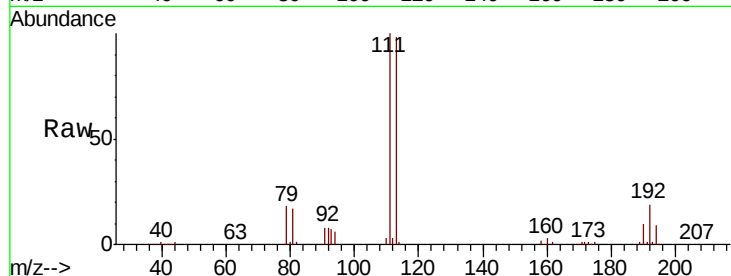




#35
 Dibromofluoromethane
 Concen: 50.711 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017022.D
 Acq: 29 Jun 2020 21:11

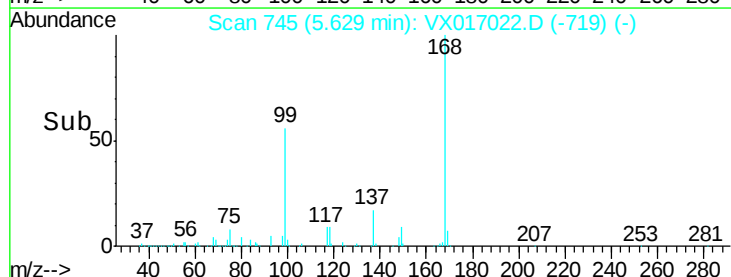
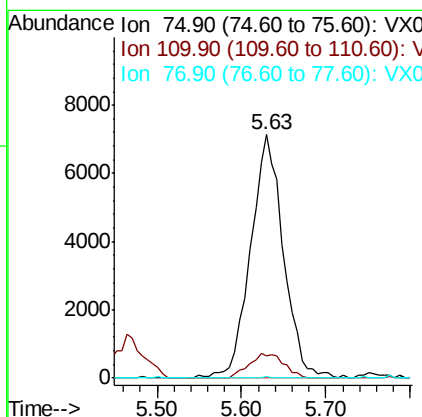
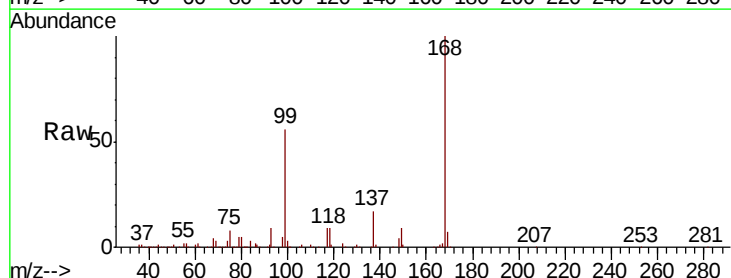
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-20200626

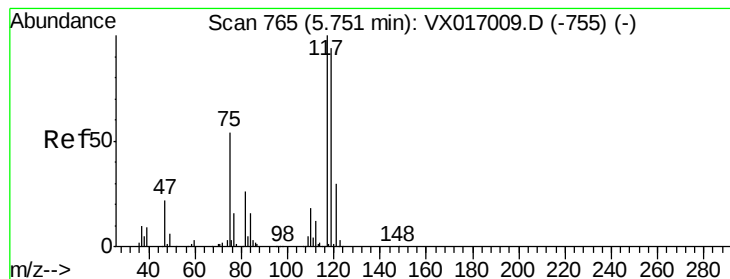
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	20.4	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.535 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017022.D
 Acq: 29 Jun 2020 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.1	54.1#
77	0.1	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.540 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017022.D

Acq: 29 Jun 2020 21:11

Instrument :

MSVOA_X

ClientSampleId :

WC-20200626

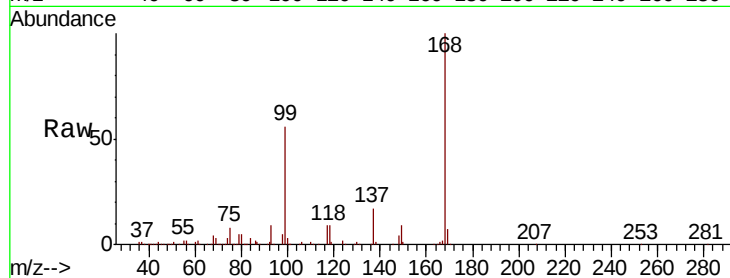
Tot Ion:117 Resp: 25458

Ion Ratio Lower Upper

117 100

119 6.6 75.4 113.0#

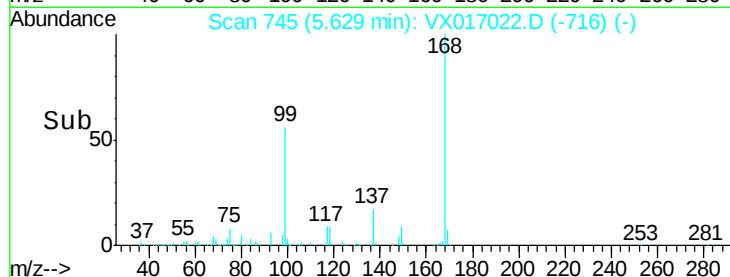
121 0.0 23.8 35.6#



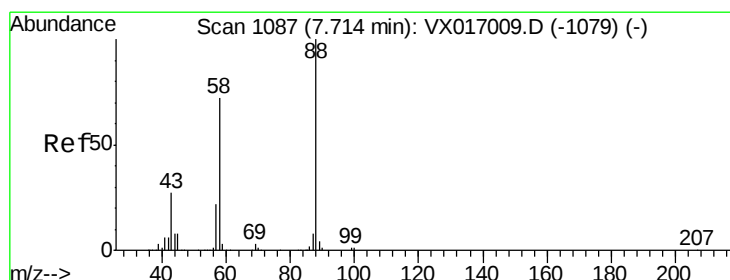
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#49

1,4-Dioxane

Concen: 0.555 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX017022.D

Acq: 29 Jun 2020 21:11

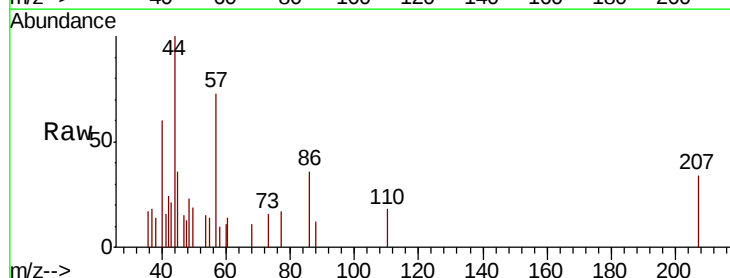
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 659.5 25.8 38.8#

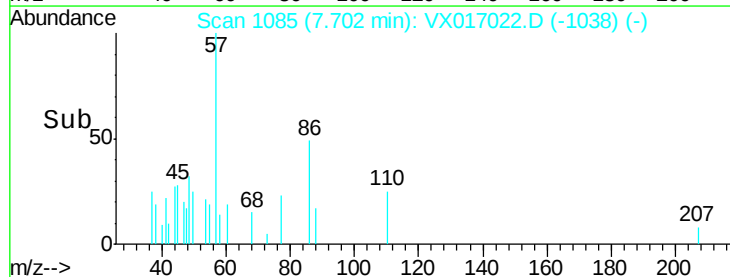
58 171.4 54.8 82.2#



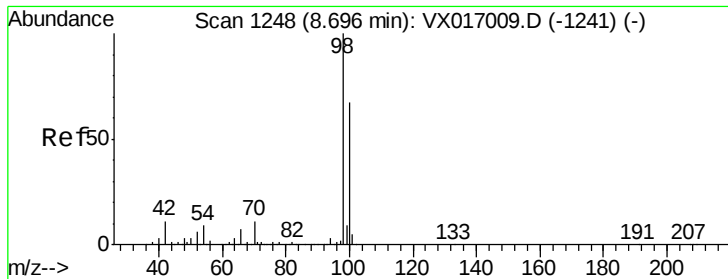
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 52.667 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017022.D

Acq: 29 Jun 2020 21:11

Instrument :

MSVOA_X

ClientSampleId :

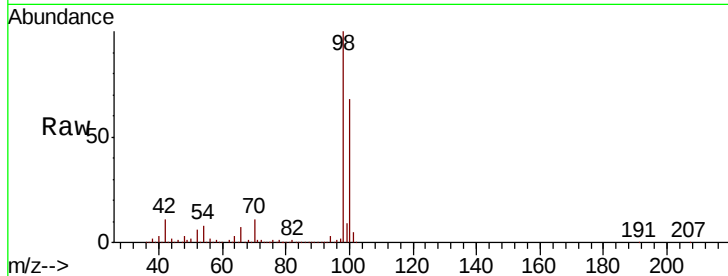
WC-20200626

Tot Ion: 98 Resp: 543863

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

400000

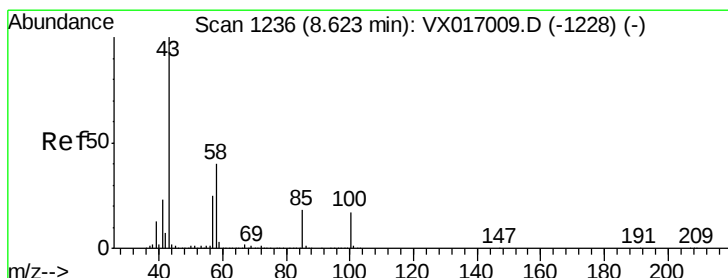
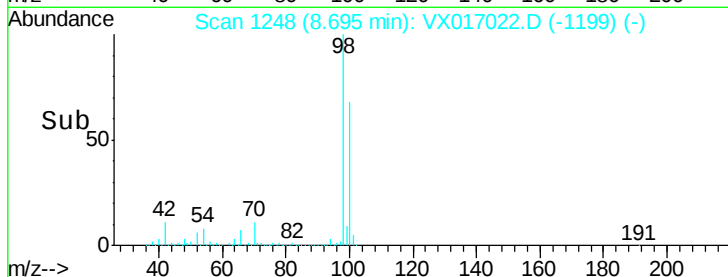
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.361 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017022.D

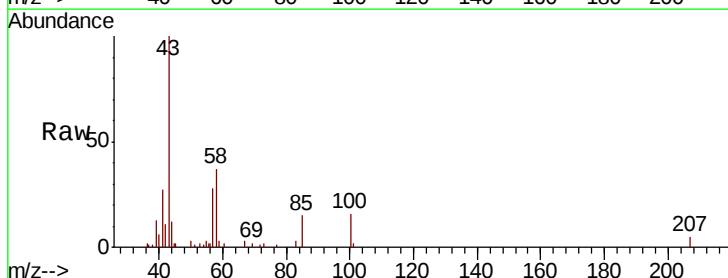
Acq: 29 Jun 2020 21:11

Tgt Ion: 43 Resp: 9900

Ion Ratio Lower Upper

43 100

58 38.4 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

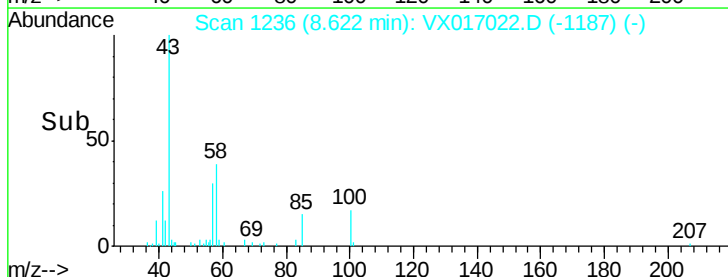
6000

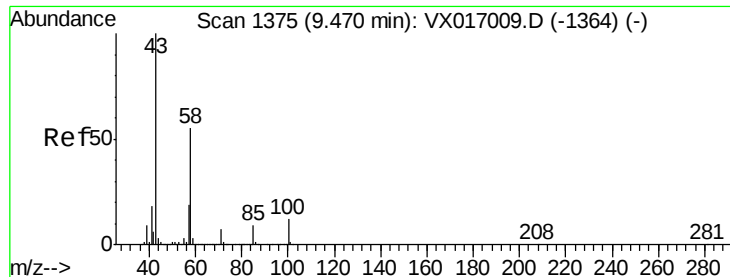
4000

2000

0

Time-->

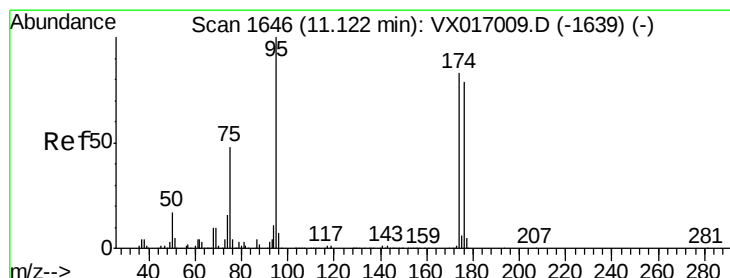
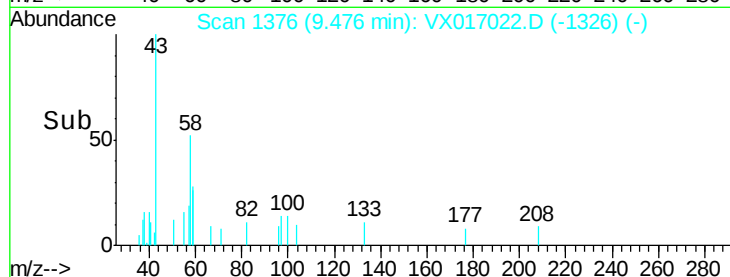
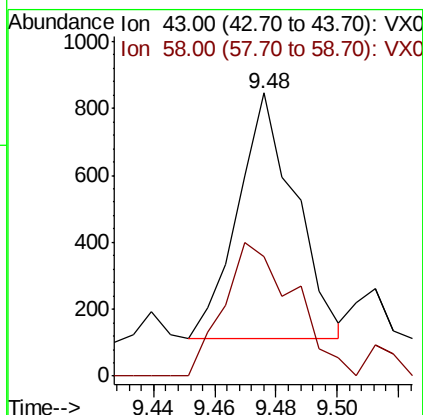
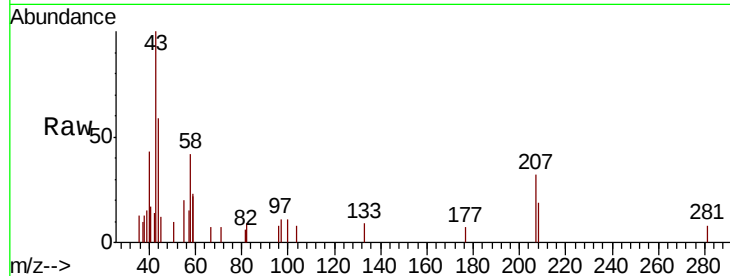




#59
2-Hexanone
Concen: 0.311 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

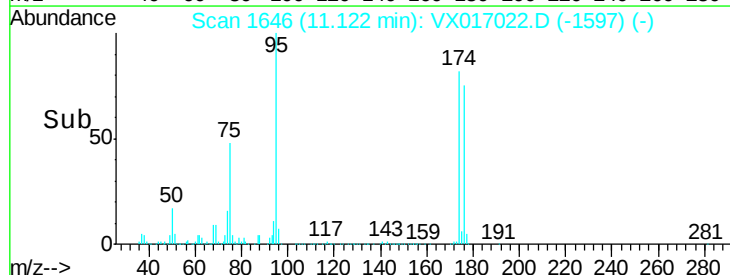
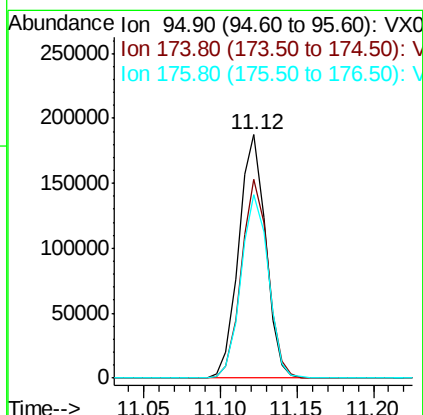
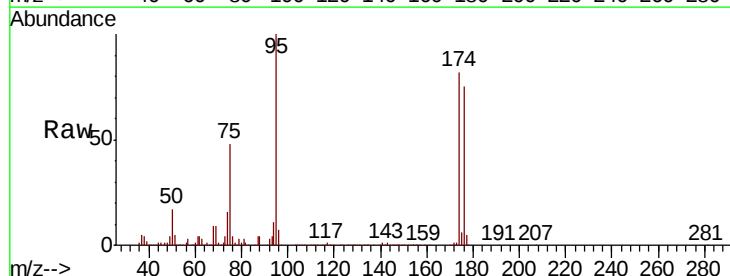
Instrument :
MSVOA_X
ClientSampleId :
WC-20200626

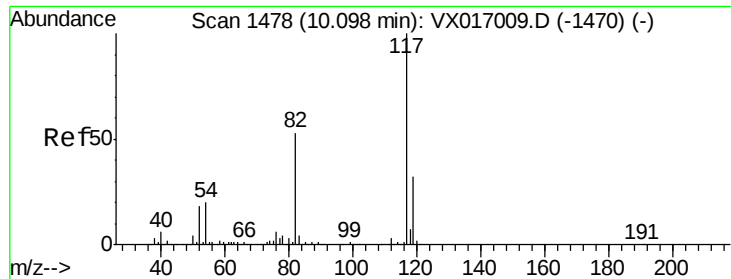
Tot Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 67.1 27.9 83.6



#62
4-Bromofluorobenzene
Concen: 56.662 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

Tgt Ion: 95 Resp: 228729
Ion Ratio Lower Upper
95 100
174 81.1 0.0 164.0
176 76.7 0.0 157.6

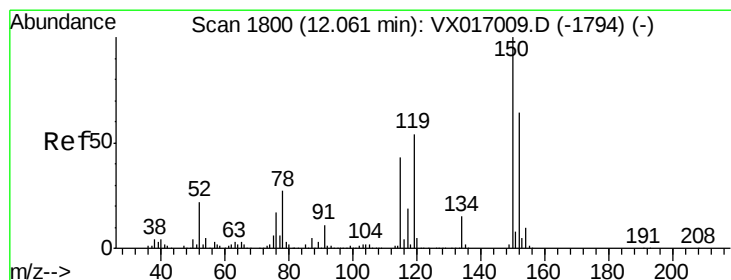
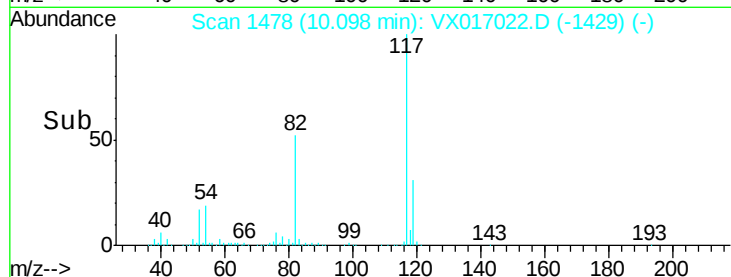
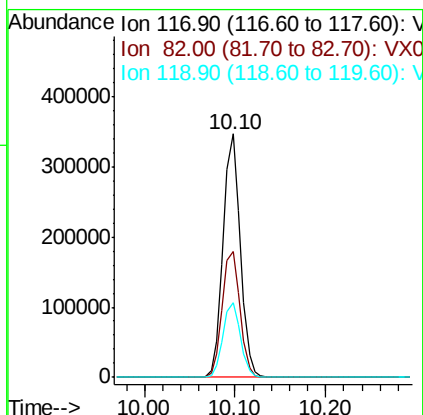
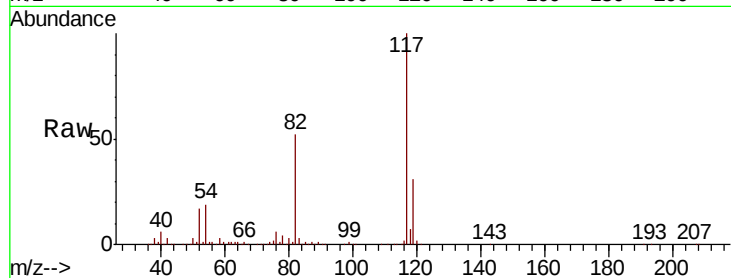




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

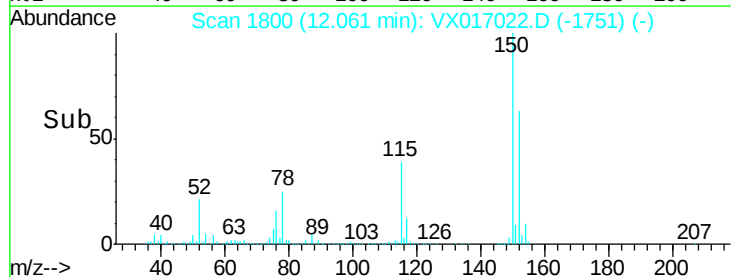
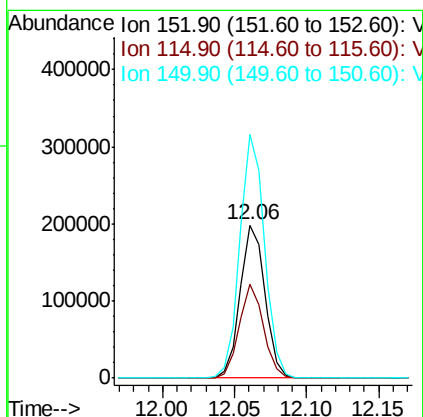
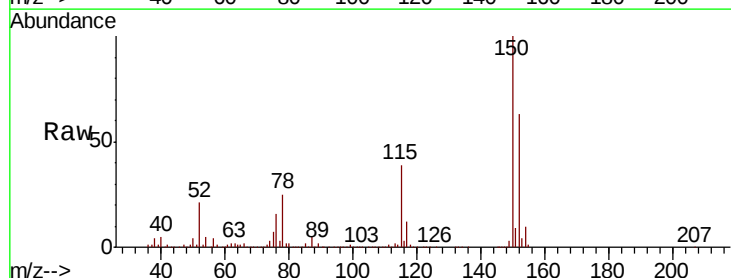
Instrument :
MSVOA_X
ClientSampleId :
WC-20200626

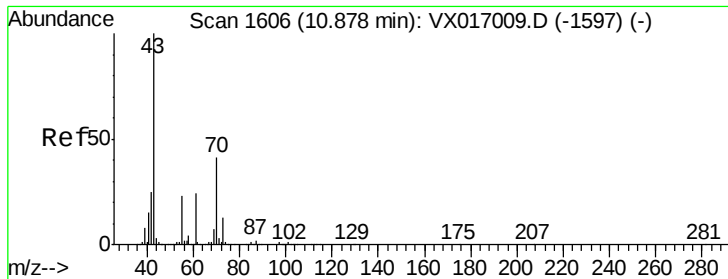
Tot Ion:117 Resp: 458692
Ion Ratio Lower Upper
117 100
82 51.7 42.6 63.8
119 30.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017022.D
Acq: 29 Jun 2020 21:11

Tgt Ion:152 Resp: 238314
Ion Ratio Lower Upper
152 100
115 59.9 40.9 122.7
150 158.0 0.0 351.6





#74

N-amvl acetate

Concen: 0.202 ug/l

RT: 10.90 min Scan# 1609

Delta R.T. 0.02 min

Lab File: VX017022.D

Acq: 29 Jun 2020 21:11

Instrument :

MSVOA_X

ClientSampleId :

WC-20200626

Tot Ion: 43 Resp: 1345

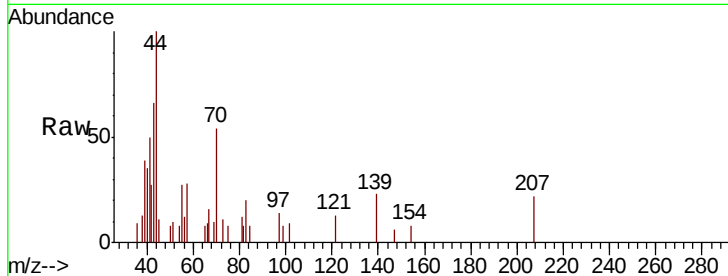
Ion Ratio Lower Upper

43 100

70 51.2 34.2 51.2

55 56.2 19.2 28.8#

61 0.0 19.6 29.4#

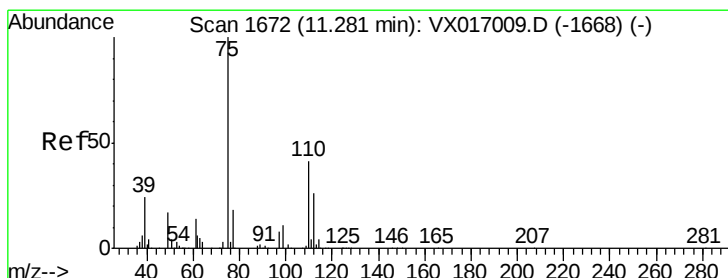
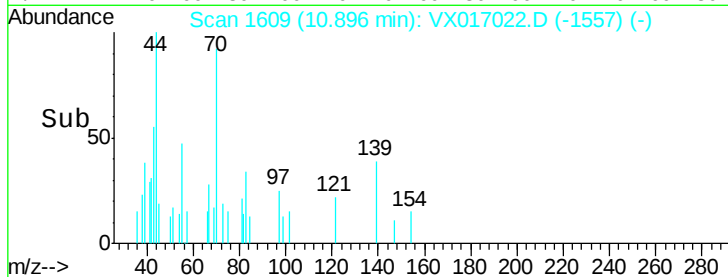
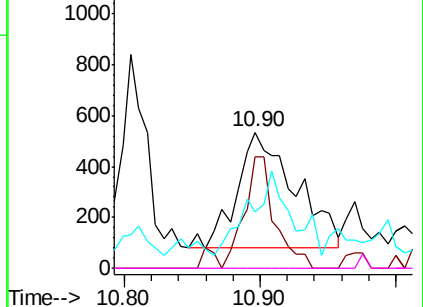


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.839 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017022.D

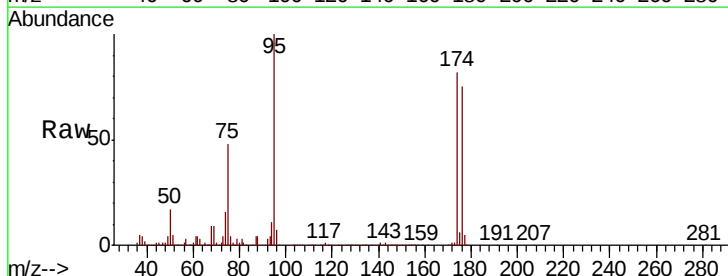
Acq: 29 Jun 2020 21:11

Tgt Ion: 75 Resp: 111715

Ion Ratio Lower Upper

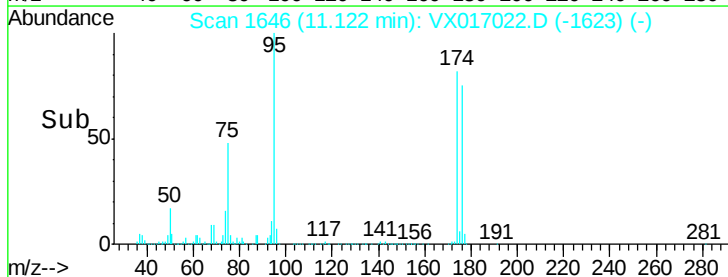
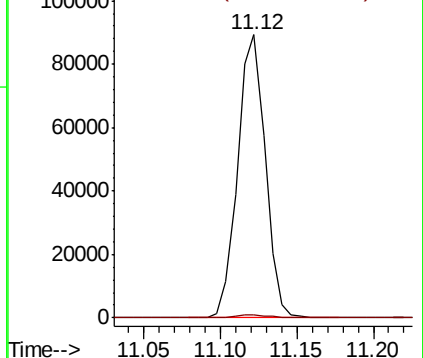
75 100

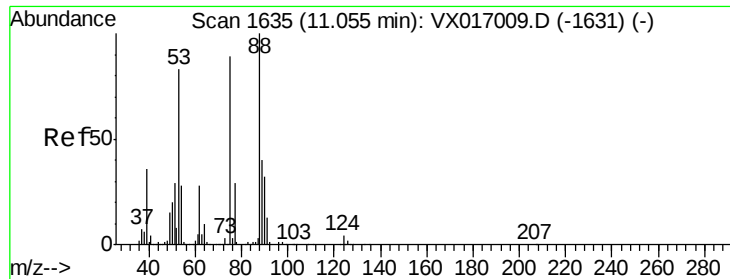
77 1.3 20.2 60.6#



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: 61.733 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017022.D

Acq: 29 Jun 2020 21:11

Instrument :

MSVOA_X

ClientSampleId :

WC-20200626

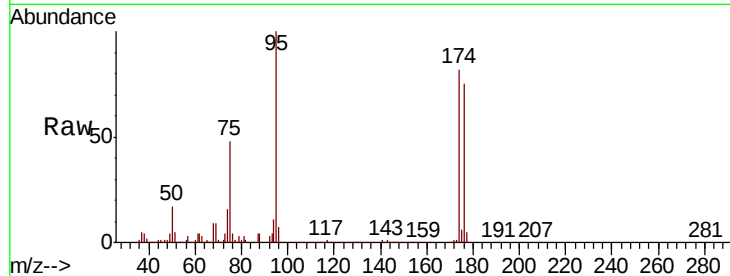
Tot Ion: 75 Resp: 111715

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

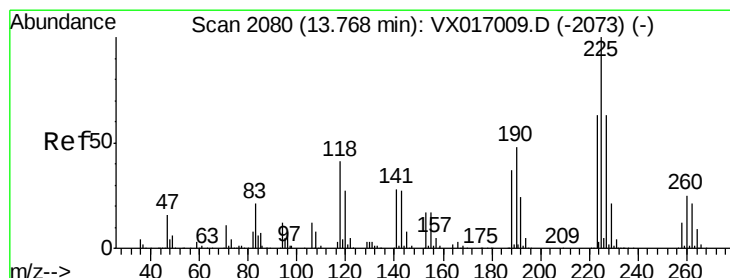
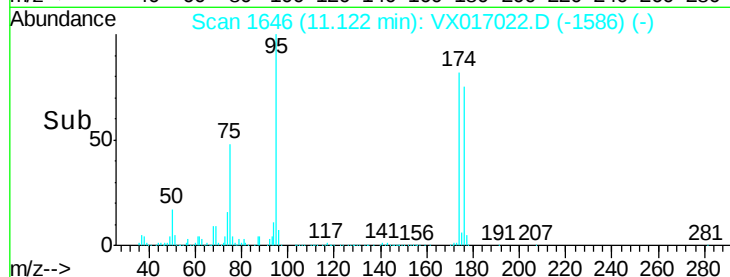
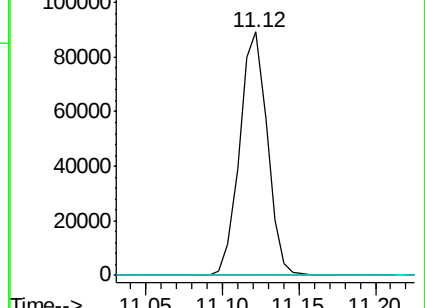
89 0.0 37.0 55.4#



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: 0.944 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017022.D

Acq: 29 Jun 2020 21:11

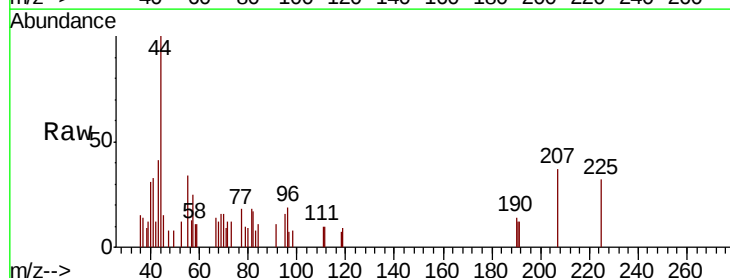
Tgt Ion: 225 Resp: 191

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 28.3 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

