

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121420\
 Data File : VX019996.D
 Acq On : 14 Dec 2020 18:58
 Operator : JC/MD
 Sample : L5039-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JBD-WC-SB-03

Quant Time: Dec 15 00:25:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	312256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	515558	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	479150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204030	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	197927	48.23	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.46%	
35) Dibromofluoromethane		5.46	113	159514	47.87	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.74%	
50) Toluene-d8		8.70	98	635313	49.94	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.88%	
62) 4-Bromofluorobenzene		11.12	95	224263	46.32	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.64%	

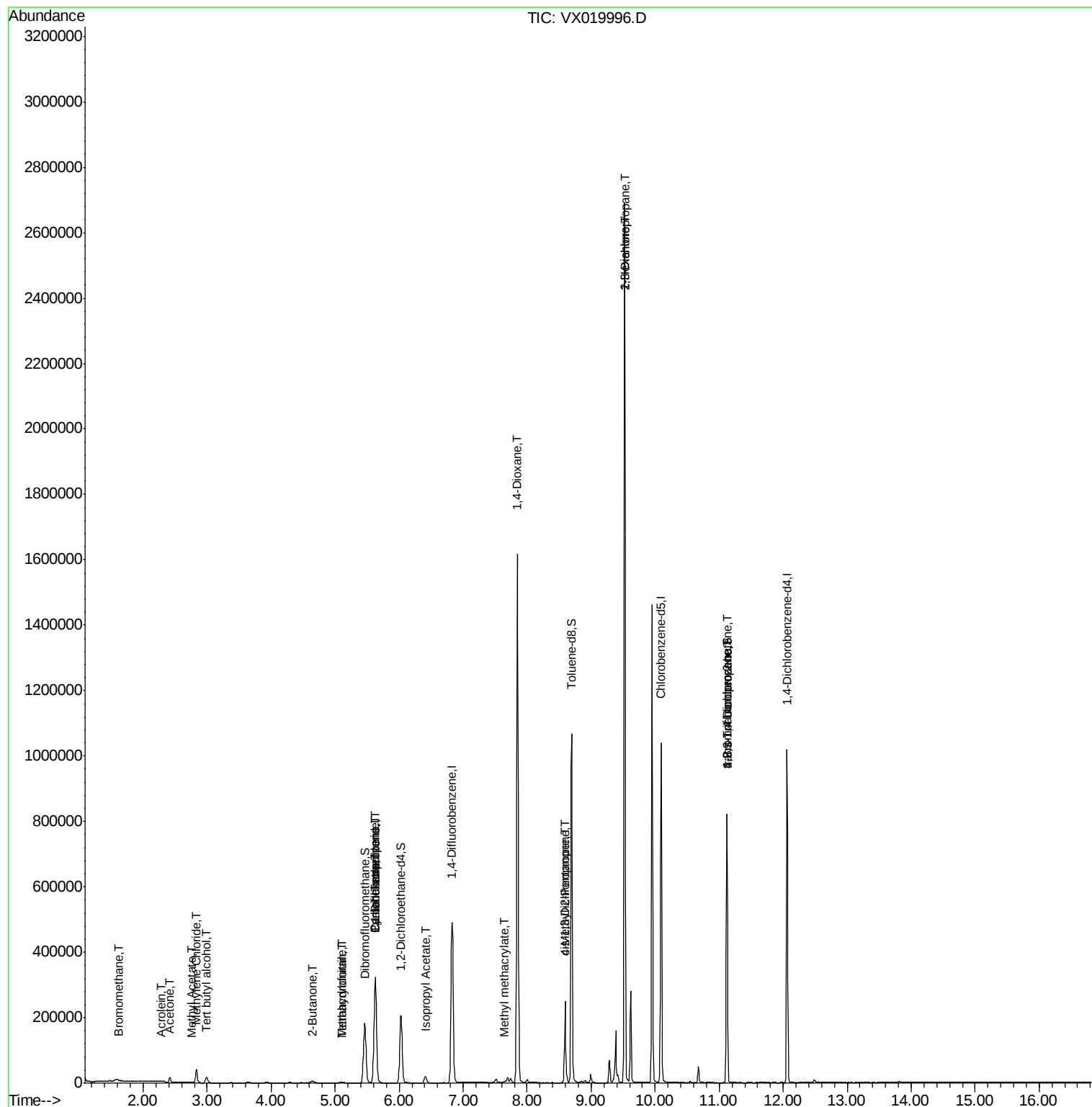
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	279	0.237	ug/l	91
11) Tert butyl alcohol	2.99	59	10527	9.968	ug/l #	78
13) Acrolein	2.28	56	217	0.479	ug/l #	40
16) Acetone	2.42	43	15566	10.091	ug/l	99
18) Methyl Acetate	2.75	43	2328	0.617	ug/l #	83
20) Methylene Chloride	2.83	84	19296	4.176	ug/l	98
25) 2-Butanone	4.64	43	3969	1.674	ug/l	94
29) Tetrahydrofuran	5.09	42	1902	1.245	ug/l	97
31) Cyclohexane	5.62	56	6161	1.207	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24041	5.160	ug/l #	49
38) Carbon Tetrachloride	5.62	117	30579	6.703	ug/l #	16
41) Methacrylonitrile	5.10	41	1337	0.518	ug/l #	42
43) Isopropyl Acetate	6.41	43	26407	3.453	ug/l	98
48) Methyl methacrylate	7.65	41	7386	1.964	ug/l #	10
49) 1,4-Dioxane	7.85	88	224	2.459	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	81168	17.384	ug/l #	43
54) cis-1,3-Dichloropropene	8.59	75	41548	7.231	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	24079	3.932	ug/l #	43
59) 2-Hexanone	9.52	43	292612	80.852	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	108770	23.769	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	108770	68.713	ug/l #	12

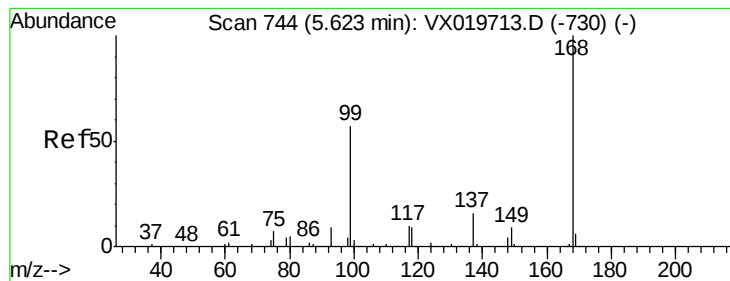
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121420\
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Acq On : 14 Dec 2020 18:58
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Quant Time: Dec 15 00:25:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.00 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

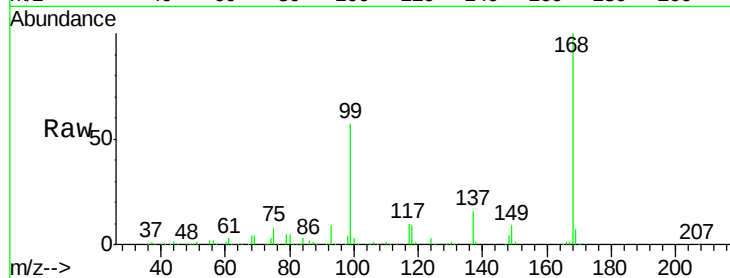
JBD-WC-SB-03

Tgt Ion: 168 Resp: 312256

Ion Ratio Lower Upper

168 100

99 56.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

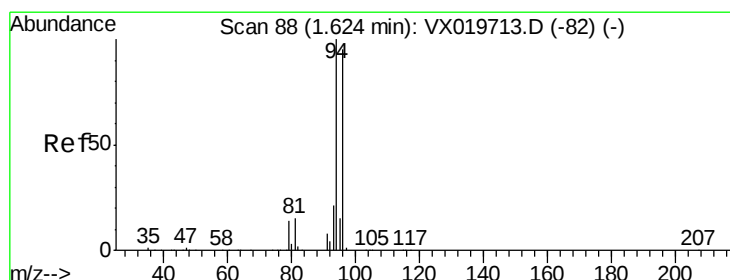
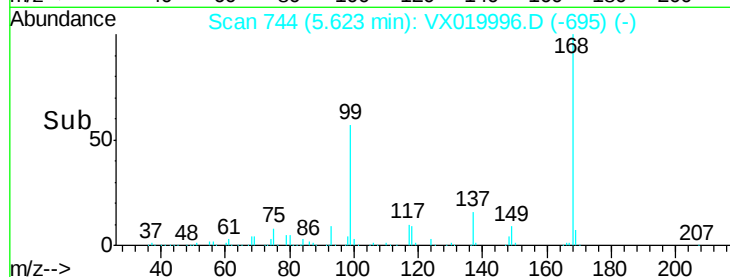
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.237 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019996.D

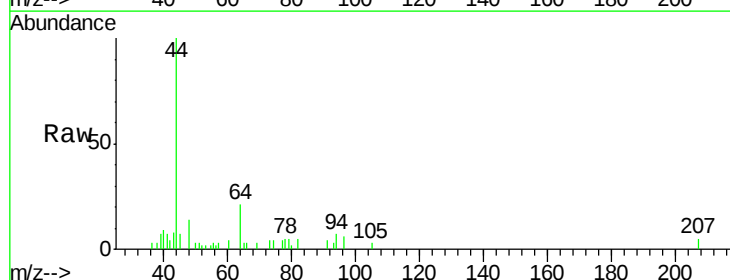
Acq: 14 Dec 2020 18:58

Tgt Ion: 94 Resp: 279

Ion Ratio Lower Upper

94 100

96 86.5 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

200

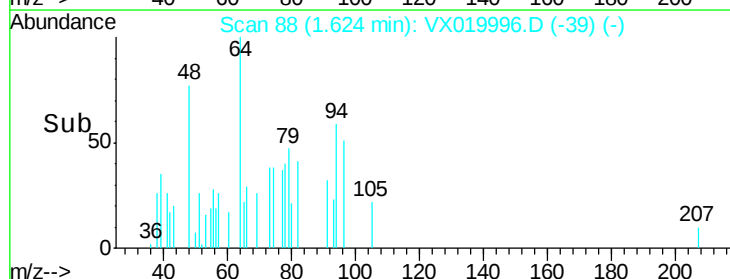
150

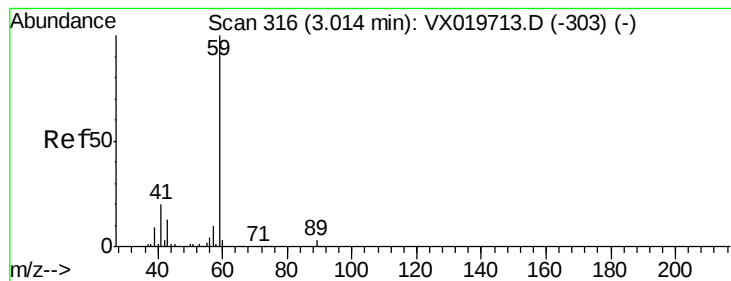
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 9.968 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

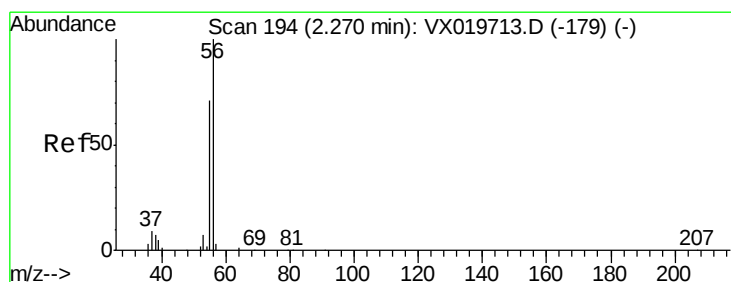
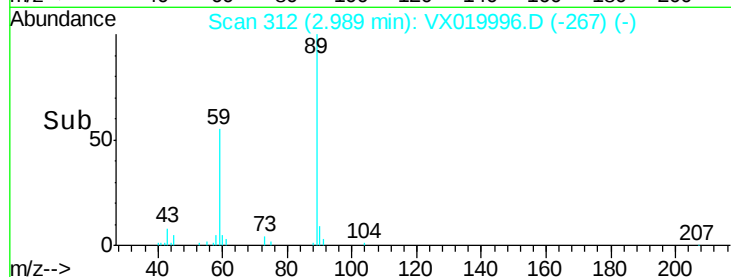
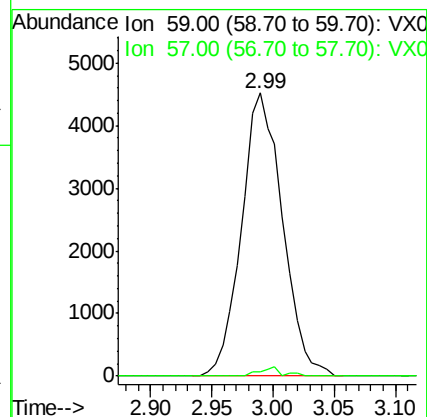
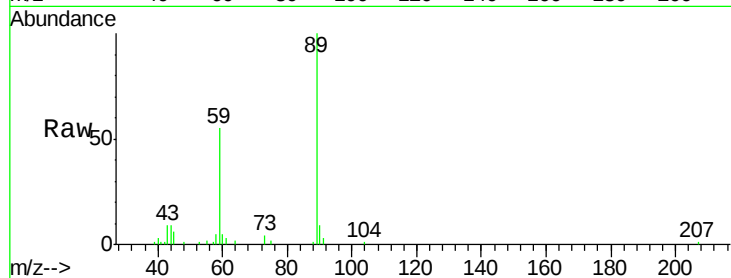
JBD-WC-SB-03

Tgt Ion: 59 Resp: 10527

Ion Ratio Lower Upper

59 100

57 1.7 7.8 11.8#



#13

Acrolein

Concen: 0.479 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019996.D

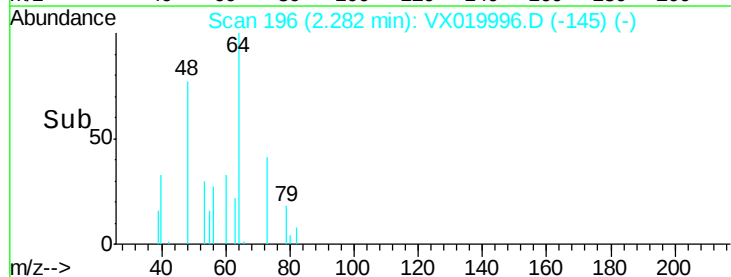
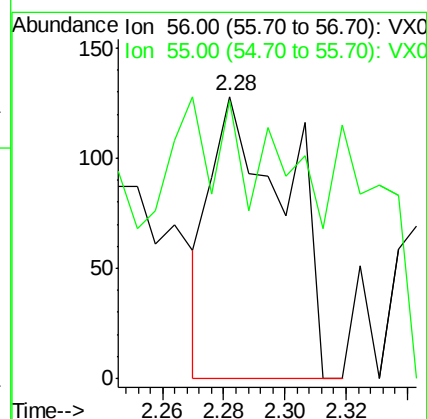
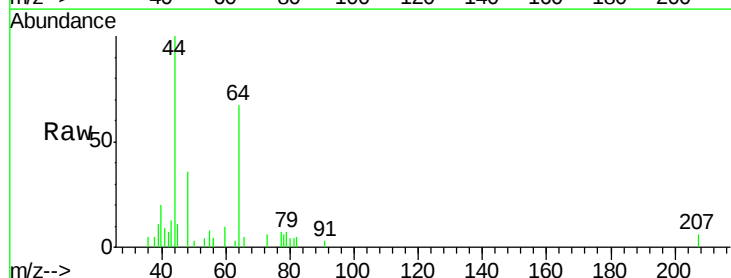
Acq: 14 Dec 2020 18:58

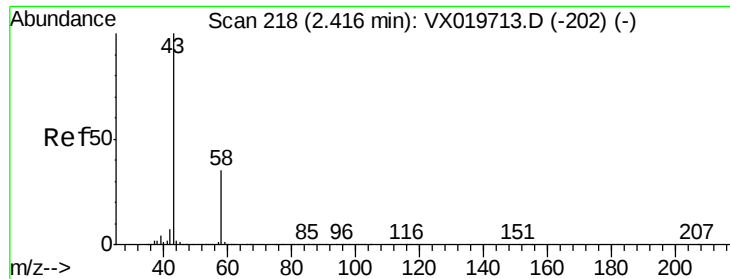
Tgt Ion: 56 Resp: 217

Ion Ratio Lower Upper

56 100

55 20.7 56.4 84.6#





#16

Acetone

Concen: 10.091 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampled :

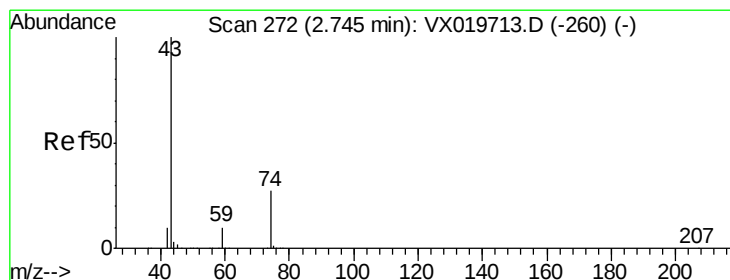
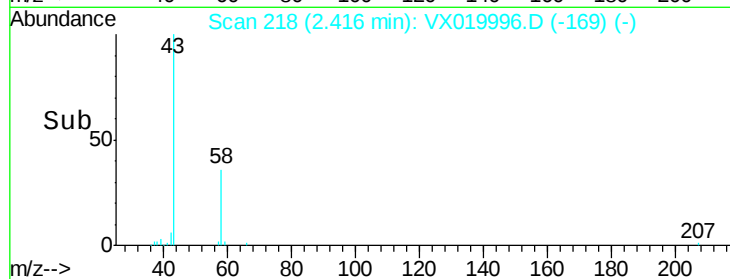
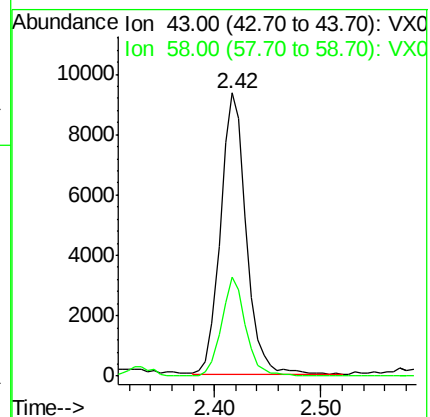
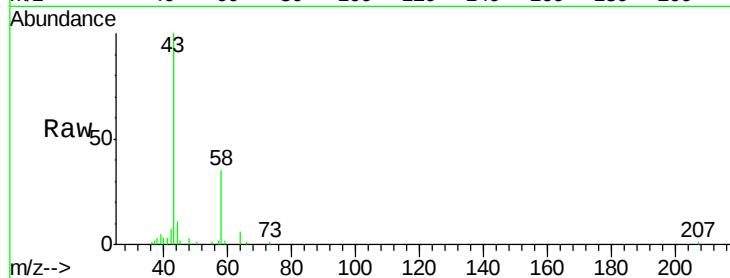
JBD-WC-SB-03

Tgt Ion: 43 Resp: 15566

Ion Ratio Lower Upper

43 100

58 35.3 27.8 41.8



#18

Methyl Acetate

Concen: 0.617 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019996.D

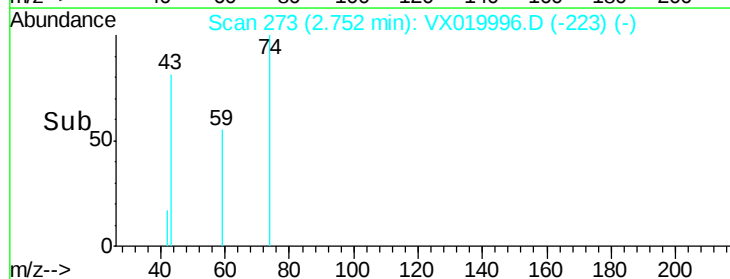
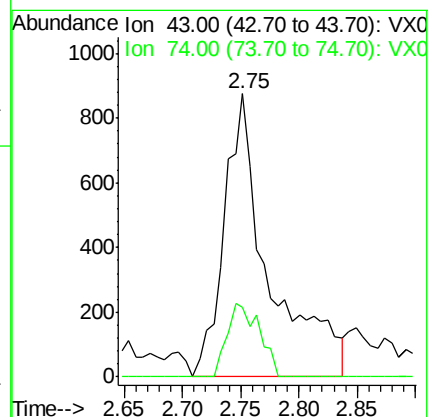
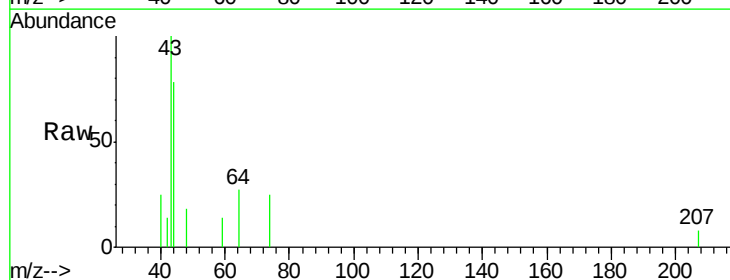
Acq: 14 Dec 2020 18:58

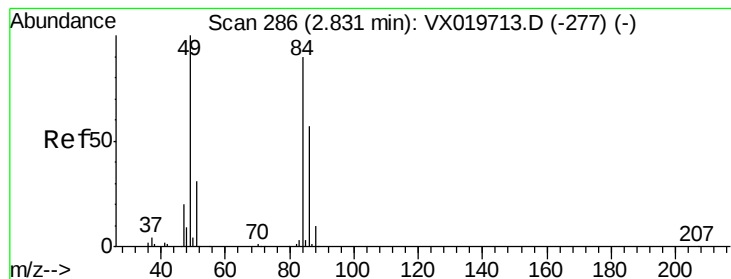
Tgt Ion: 43 Resp: 2328

Ion Ratio Lower Upper

43 100

74 18.7 21.9 32.9#





#20

Methylene Chloride

Concen: 4.176 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

Tgt Ion: 84 Resp: 19296

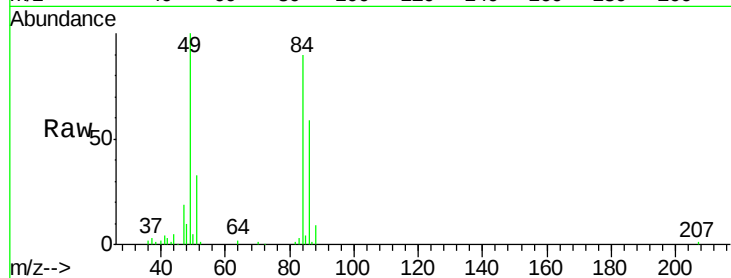
Ion Ratio Lower Upper

84 100

49 111.3 88.6 132.8

51 36.6 27.0 40.6

86 65.7 50.3 75.5

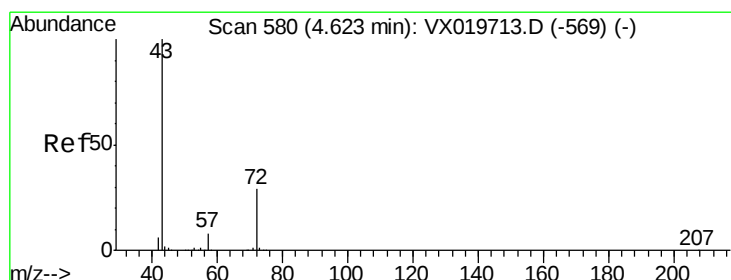
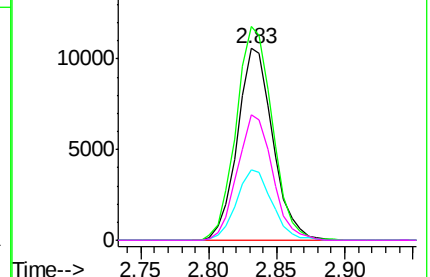
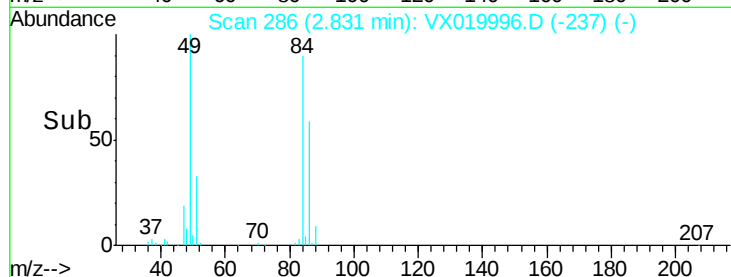


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.674 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX019996.D

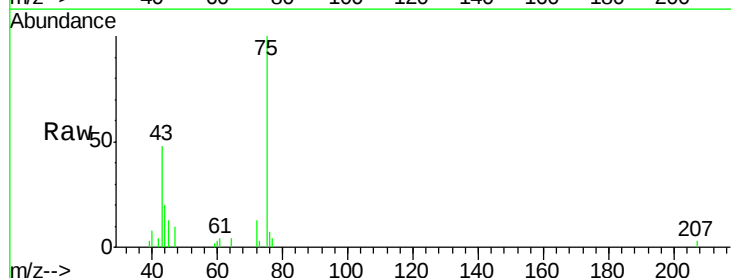
Acq: 14 Dec 2020 18:58

Tgt Ion: 43 Resp: 3969

Ion Ratio Lower Upper

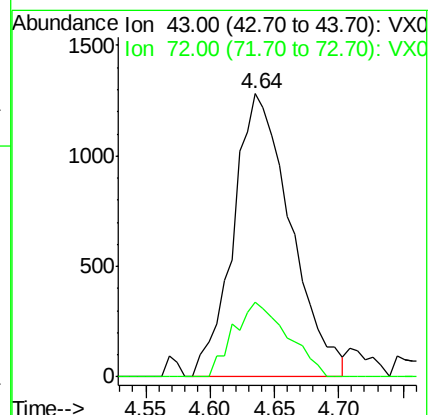
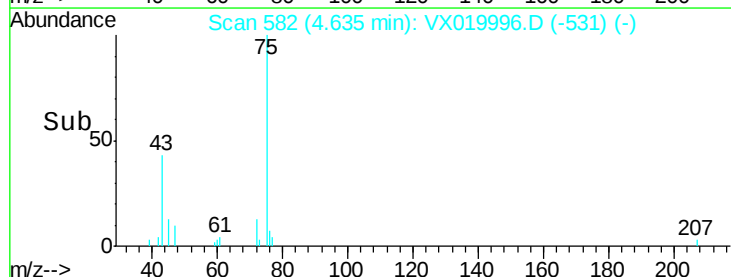
43 100

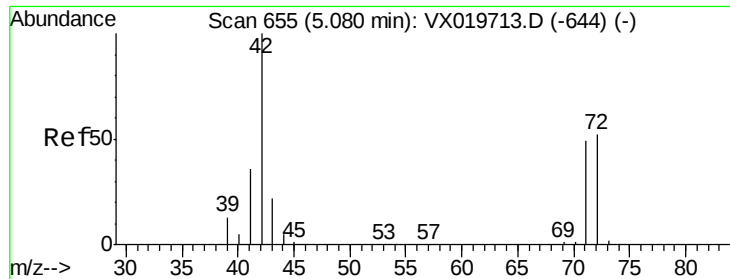
72 26.4 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.245 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

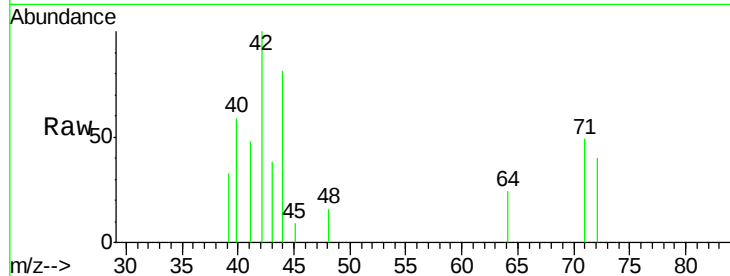
Tgt Ion: 42 Resp: 1902

Ion Ratio Lower Upper

42 100

72 48.8 41.7 62.5

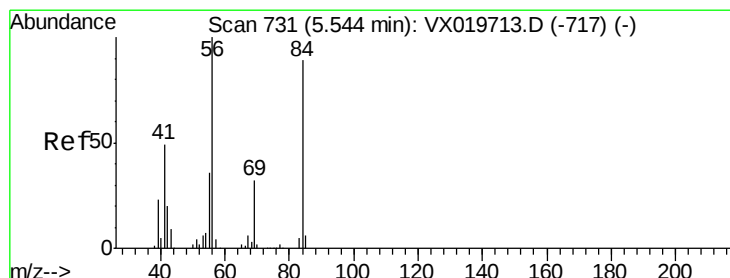
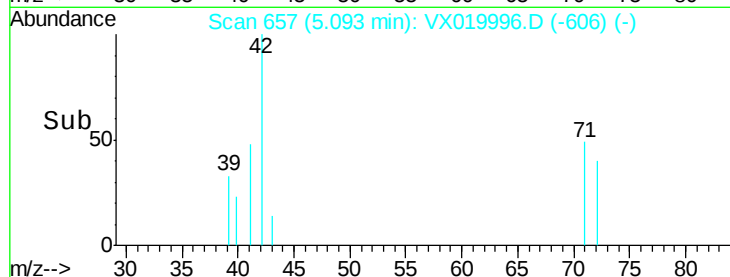
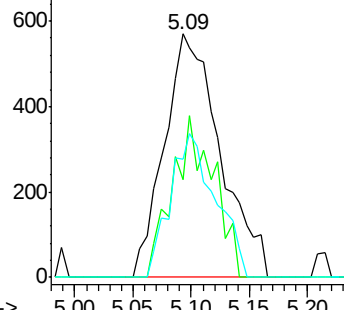
71 47.8 38.4 57.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

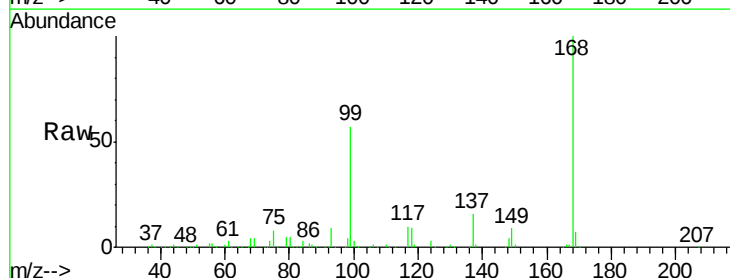
Tgt Ion: 56 Resp: 6161

Ion Ratio Lower Upper

56 100

69 186.8 25.3 37.9#

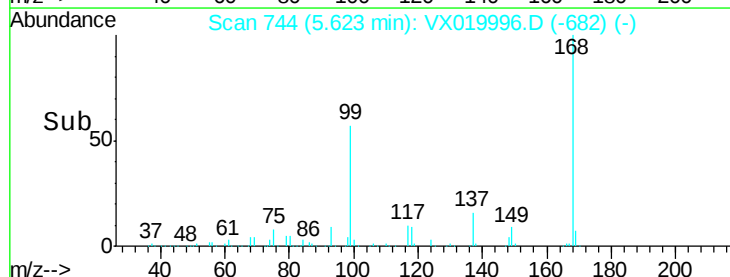
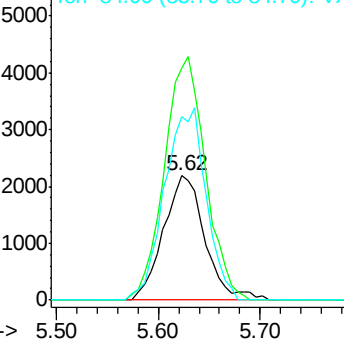
84 147.7 71.4 107.0#

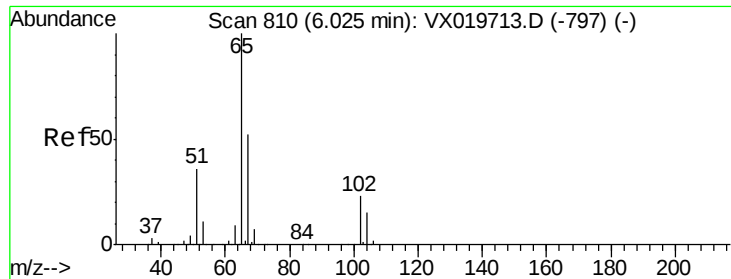


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.228 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

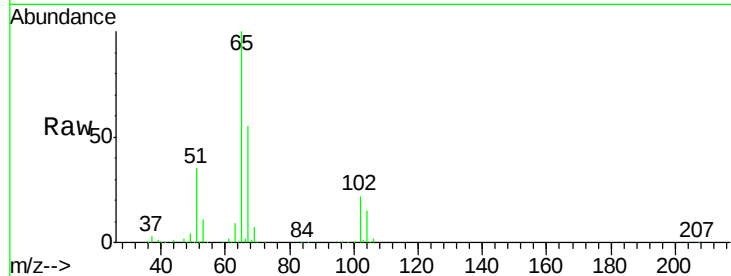
JBD-WC-SB-03

Tgt Ion: 65 Resp: 197927

Ion Ratio Lower Upper

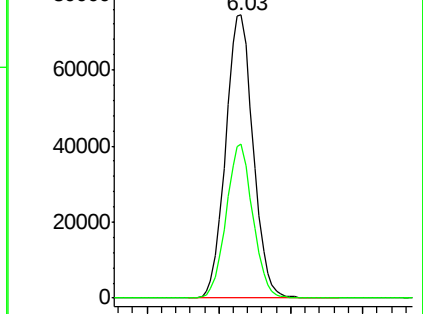
65 100

67 52.9 0.0 105.4

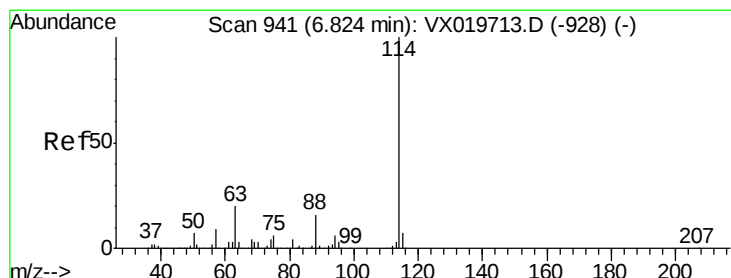
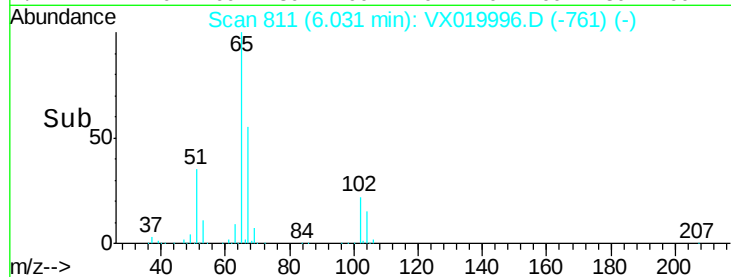


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

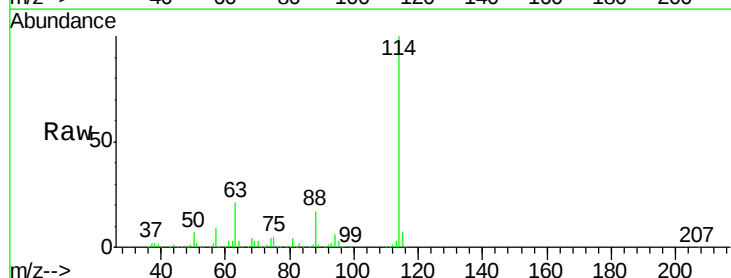
Tgt Ion: 114 Resp: 515558

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

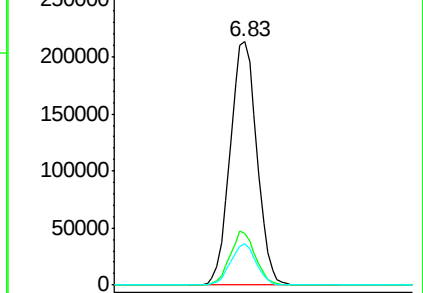
88 16.8 0.0 32.8



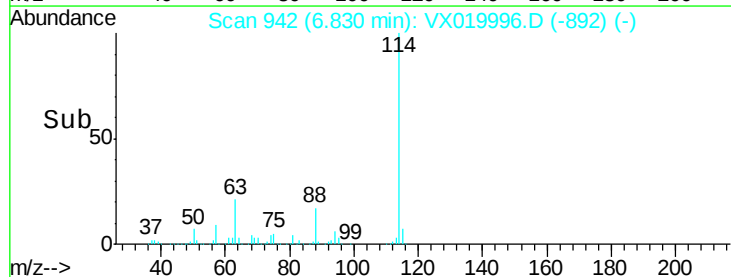
Abundance Ion 113.90 (113.60 to 114.60): V

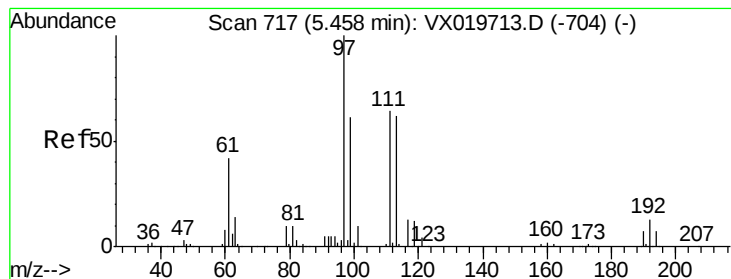
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->





#35

Dibromofluoromethane

Concen: 47.874 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

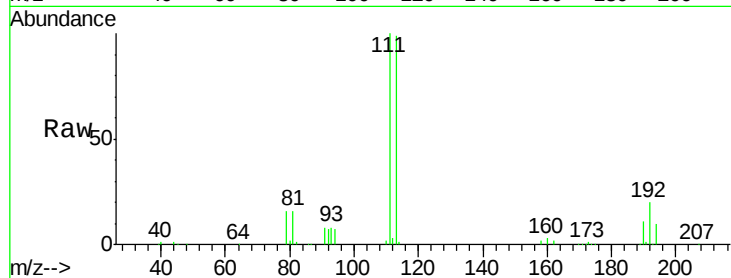
Tgt Ion:113 Resp: 159514

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

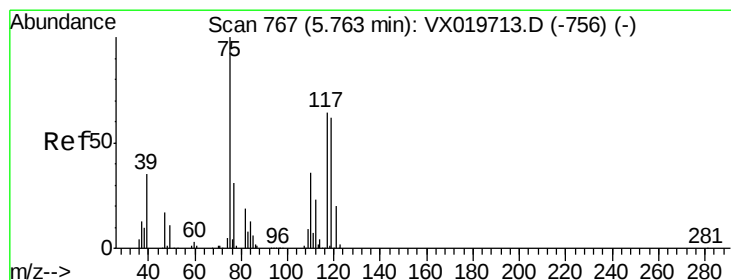
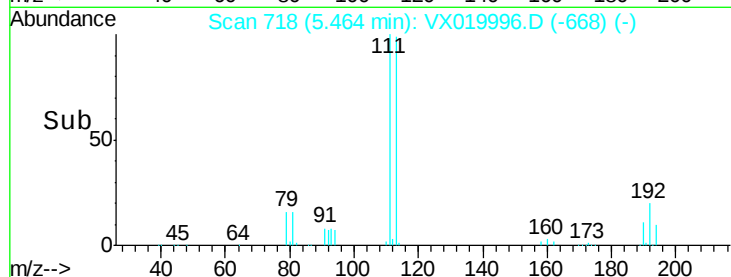
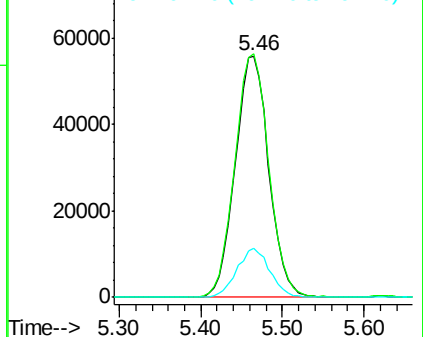
192 20.0 16.7 25.1



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: 5.160 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

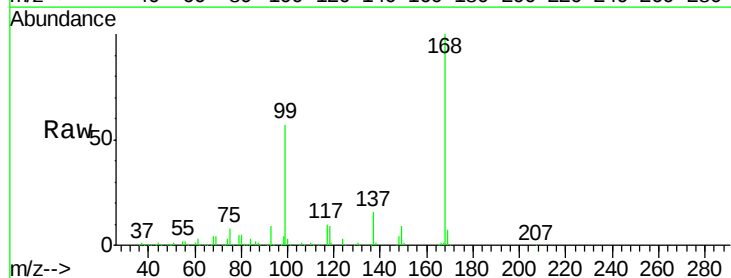
Tgt Ion: 75 Resp: 24041

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

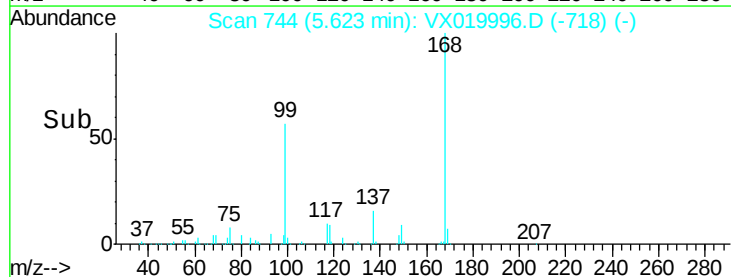
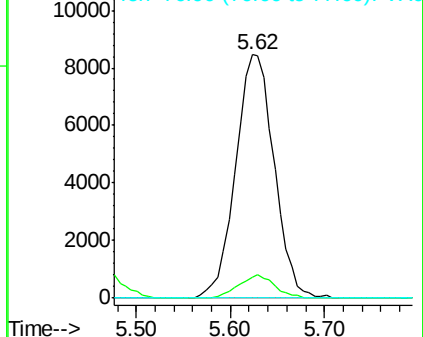
77 0.0 25.3 37.9#

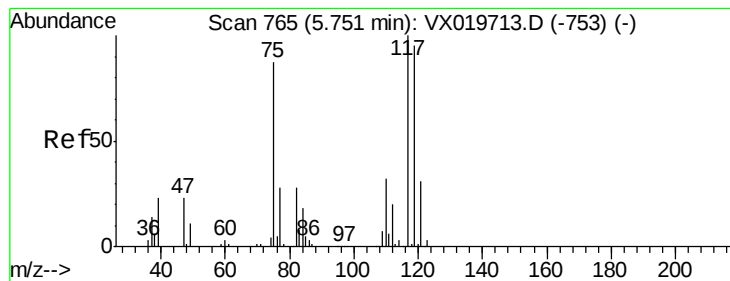


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.703 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampled :

JBD-WC-SB-03

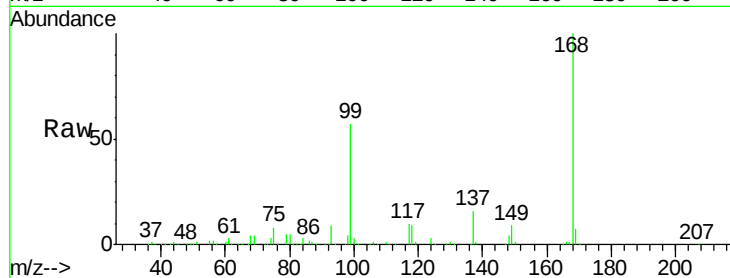
Tgt Ion:117 Resp: 30579

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

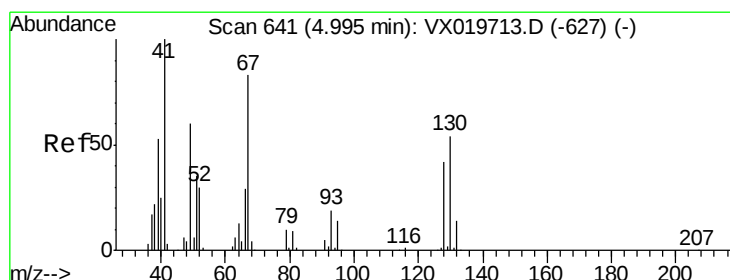
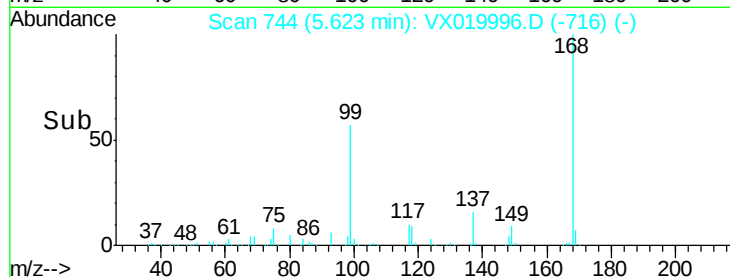
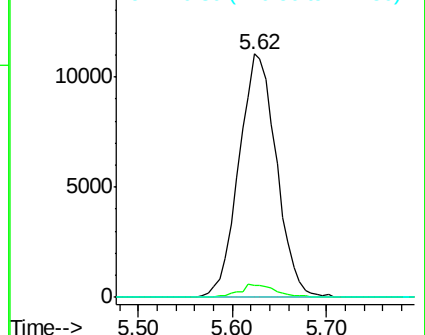
121 0.0 24.8 37.2#



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



#41

Methacrylonitrile

Concen: 0.518 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.10 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Tgt Ion: 41 Resp: 1337

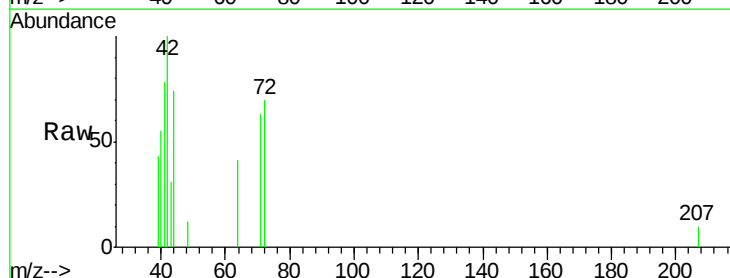
Ion Ratio Lower Upper

41 100

39 48.3 42.5 63.7

67 0.0 65.0 97.6#

52 0.0 25.3 37.9#

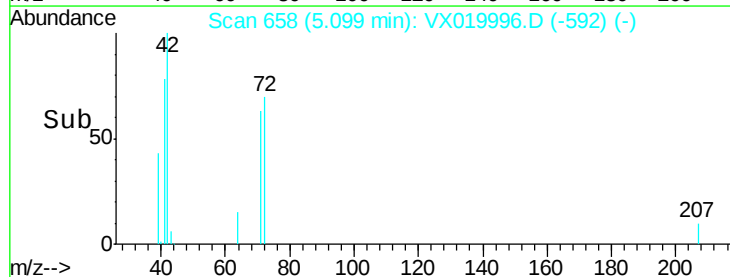
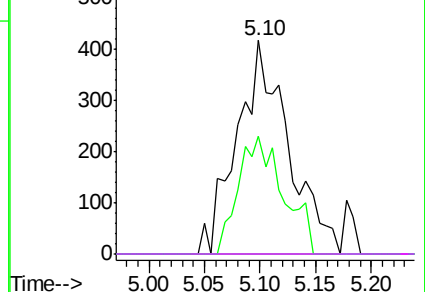


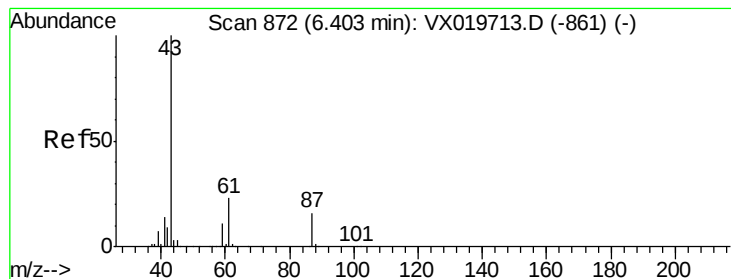
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 3.453 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

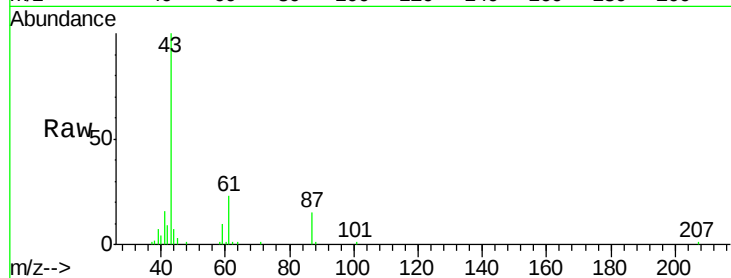
Tgt Ion: 43 Resp: 26407

Ion Ratio Lower Upper

43 100

61 22.3 18.2 27.4

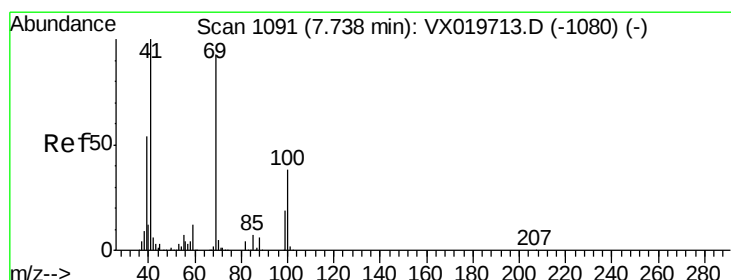
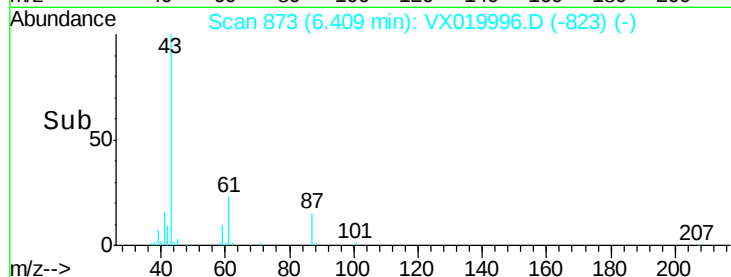
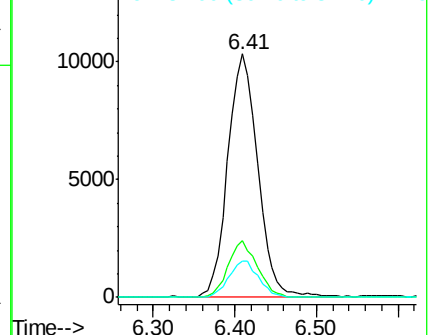
87 14.5 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.964 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.09 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

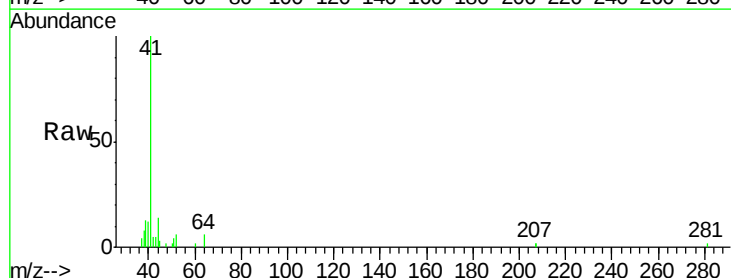
Tgt Ion: 41 Resp: 7386

Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

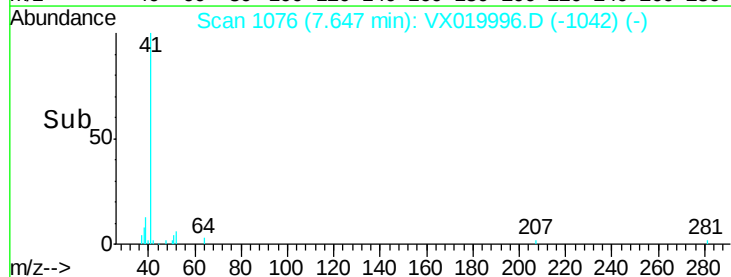
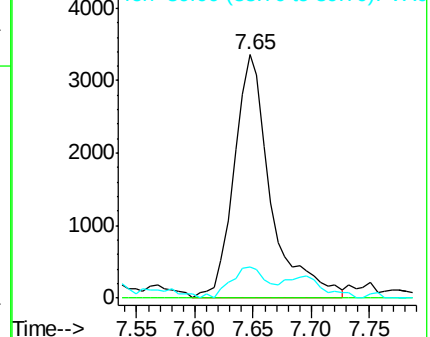
39 0.0 44.6 67.0#

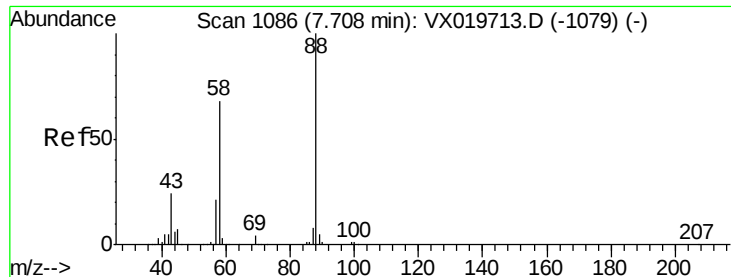


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2.459 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.14 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

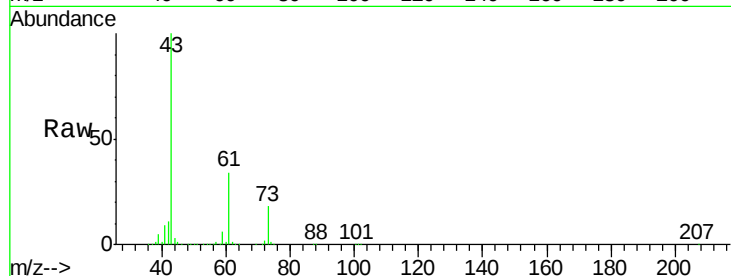
Tgt Ion: 88 Resp: 224

Ion Ratio Lower Upper

88 100

43 620269.6 23.2 34.8#

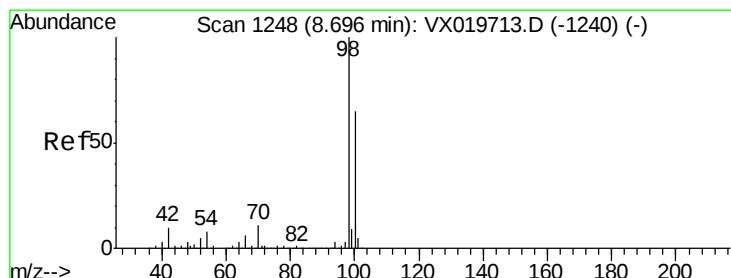
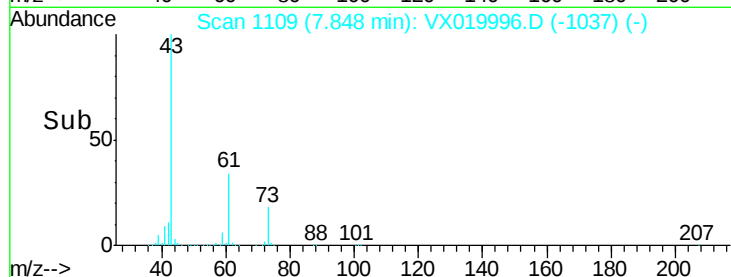
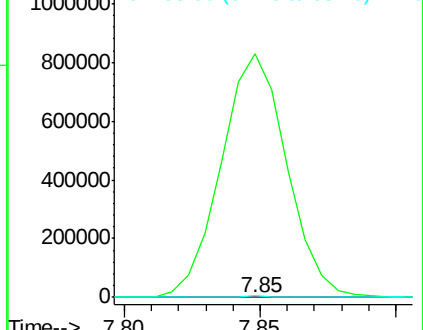
58 3090.6 55.0 82.4#



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



#50

Toluene-d8

Concen: 49.944 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019996.D

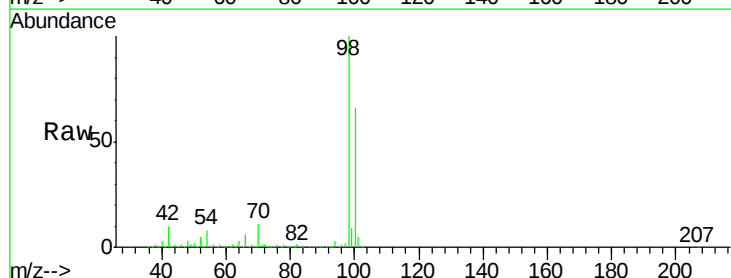
Acq: 14 Dec 2020 18:58

Tgt Ion: 98 Resp: 635313

Ion Ratio Lower Upper

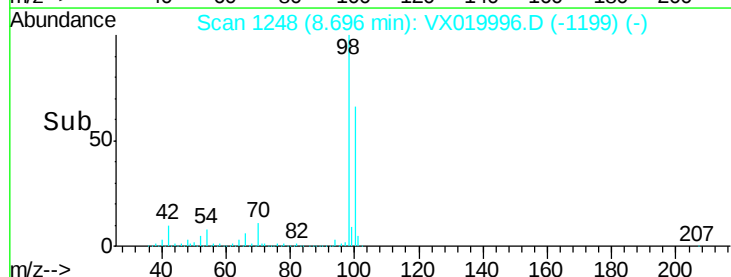
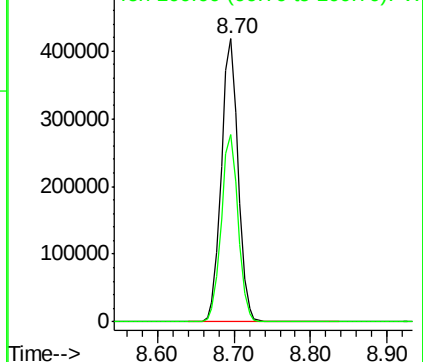
98 100

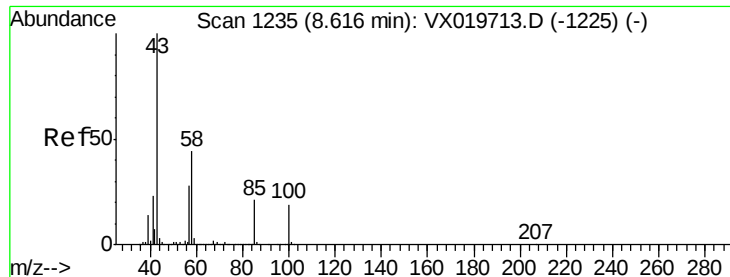
100 66.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 17.384 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

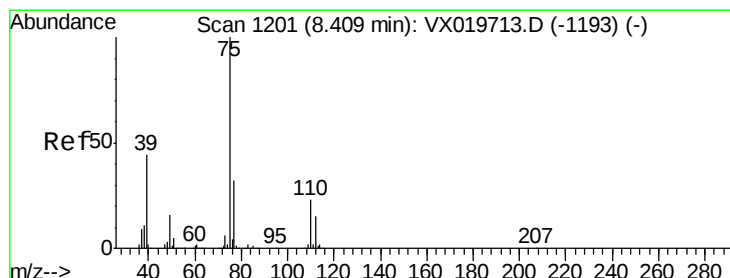
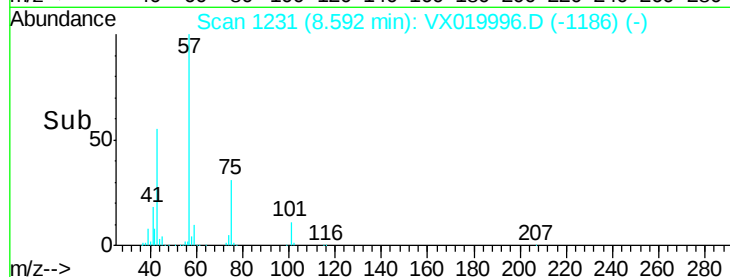
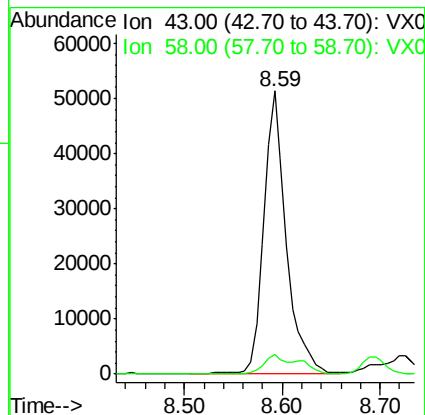
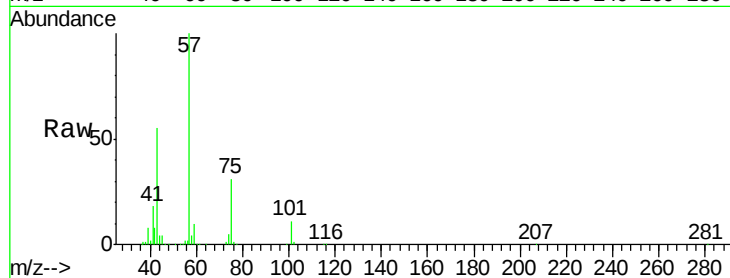
JBD-WC-SB-03

Tgt Ion: 43 Resp: 81168

Ion Ratio Lower Upper

43 100

58 7.2 35.4 53.0#



#54

cis-1,3-Dichloropropene

Concen: 7.231 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

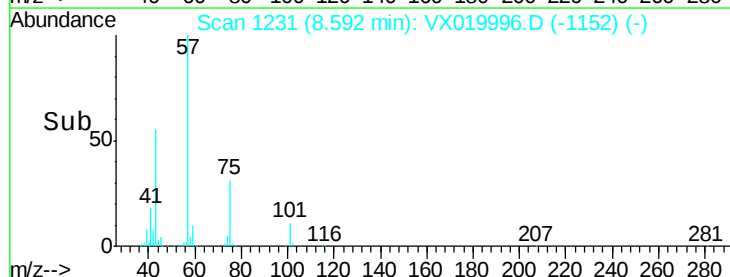
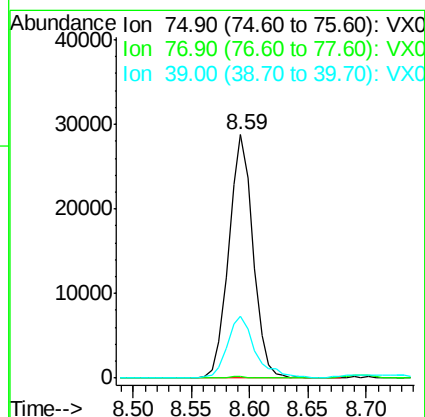
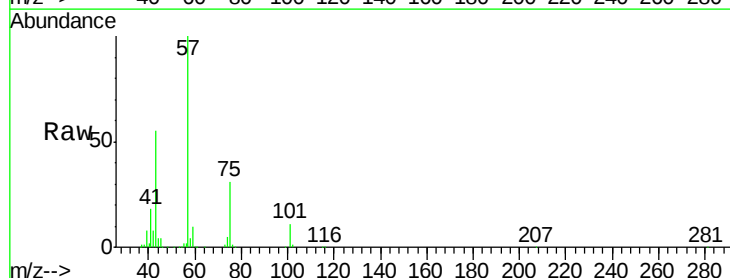
Tgt Ion: 75 Resp: 41548

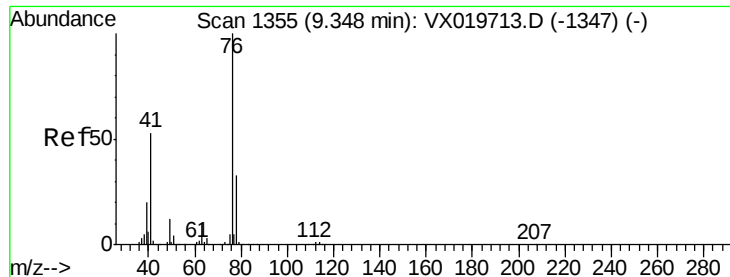
Ion Ratio Lower Upper

75 100

77 0.5 25.7 38.5#

39 25.5 35.1 52.7#

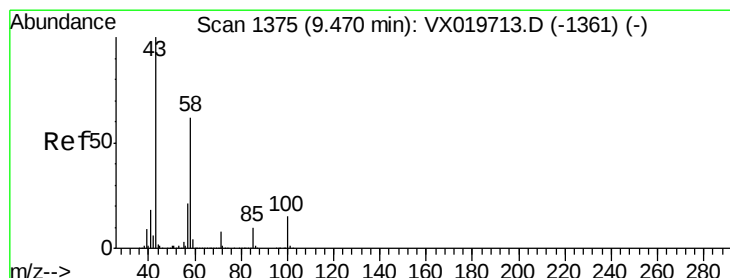
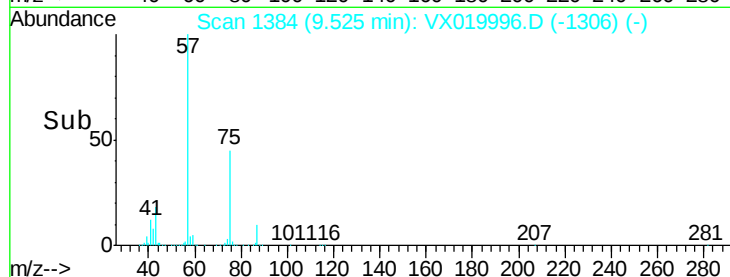
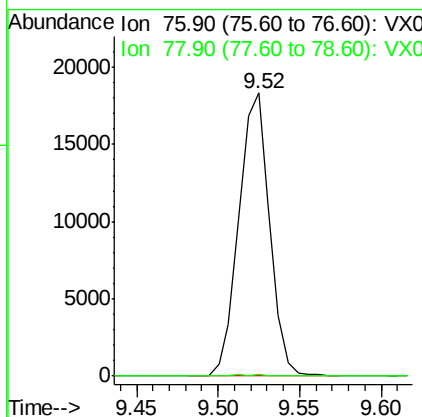
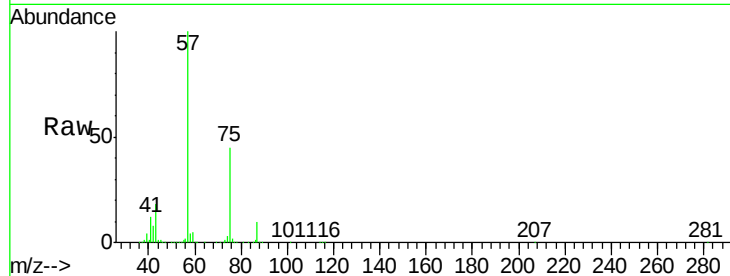




#57
 1,3-Dichloropropane
 Concen: 3.932 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019996.D
 Acq: 14 Dec 2020 18:58

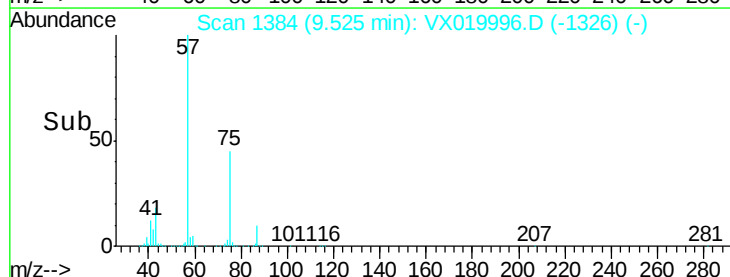
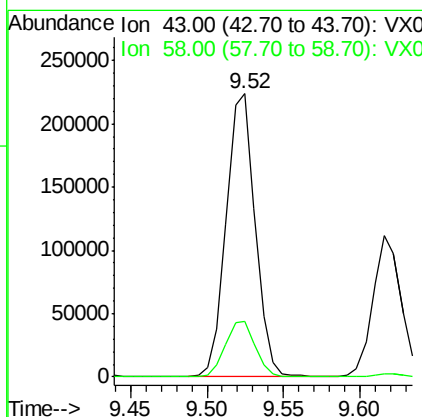
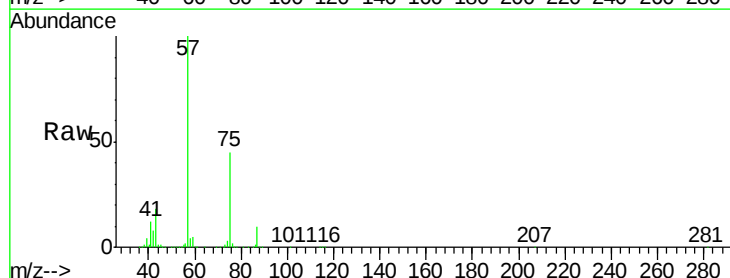
Instrument :
 MSVOA_X
 ClientSampleId :
 JBD-WC-SB-03

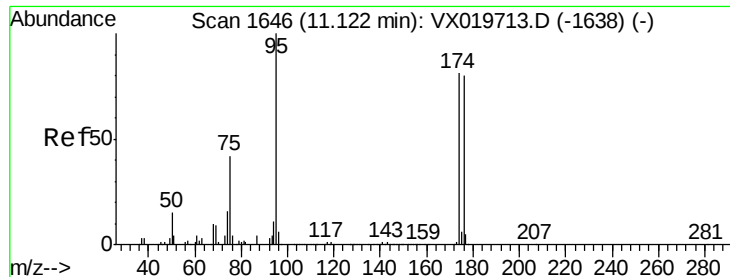
Tgt Ion: 76 Resp: 24079
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#



#59
 2-Hexanone
 Concen: 80.852 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX019996.D
 Acq: 14 Dec 2020 18:58

Tgt Ion: 43 Resp: 292612
 Ion Ratio Lower Upper
 43 100
 58 20.3 30.9 92.8#





#62

4-Bromofluorobenzene

Concen: 46.320 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

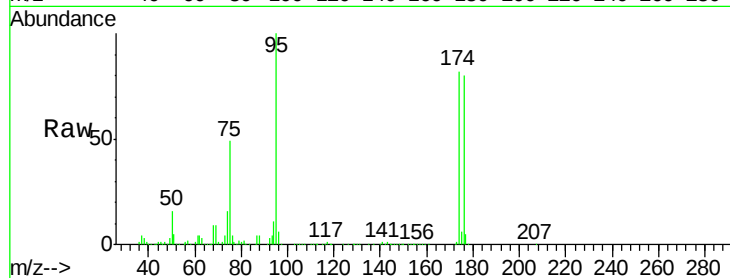
Tgt Ion: 95 Resp: 224263

Ion Ratio Lower Upper

95 100

174 77.4 0.0 154.6

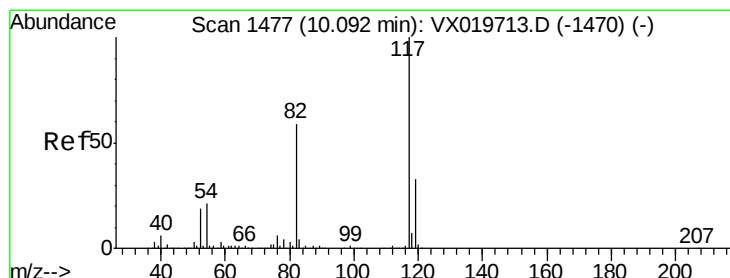
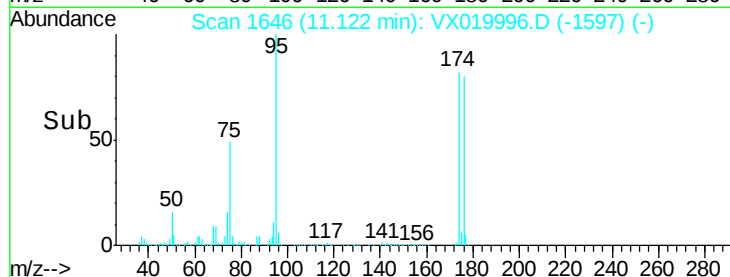
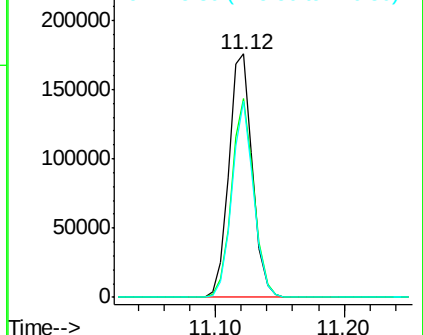
176 74.2 0.0 155.8



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: 10.09 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

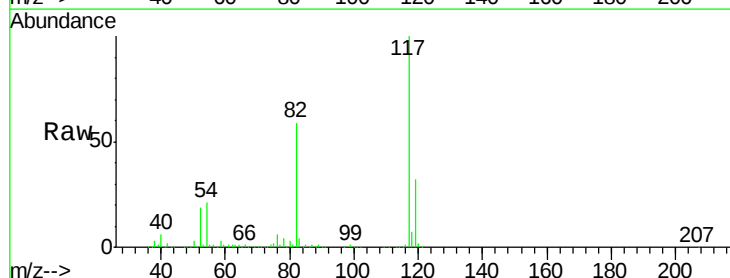
Tgt Ion: 117 Resp: 479150

Ion Ratio Lower Upper

117 100

82 58.6 47.4 71.2

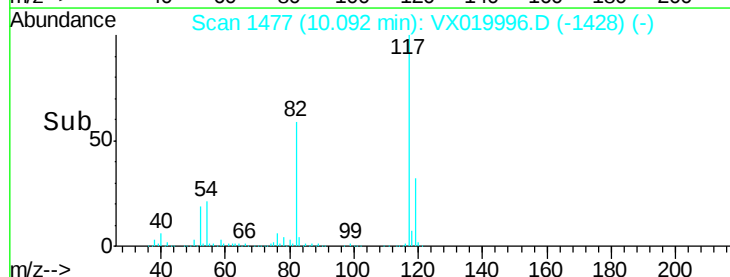
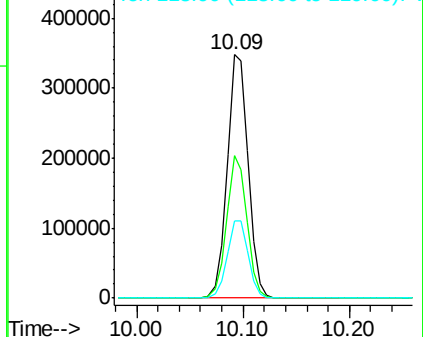
119 31.9 26.6 39.8

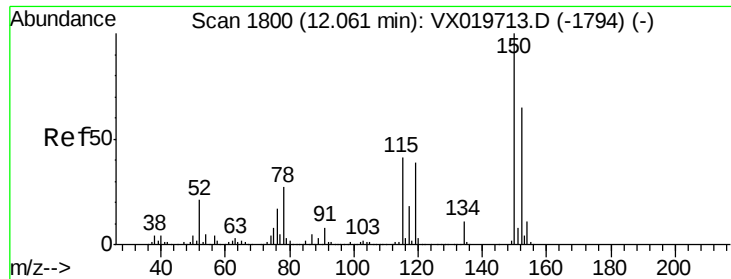


Abundance Ion 116.90 (116.60 to 117.60): VX0

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: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

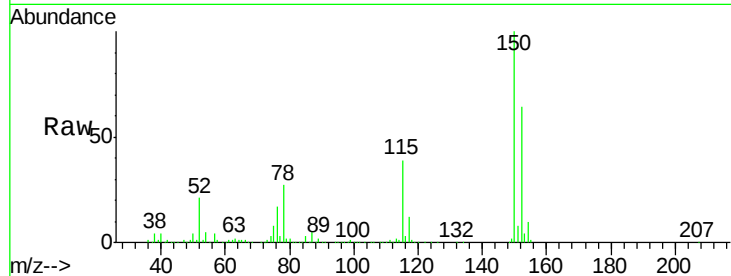
Tgt Ion:152 Resp: 204030

Ion Ratio Lower Upper

152 100

115 60.1 41.1 123.3

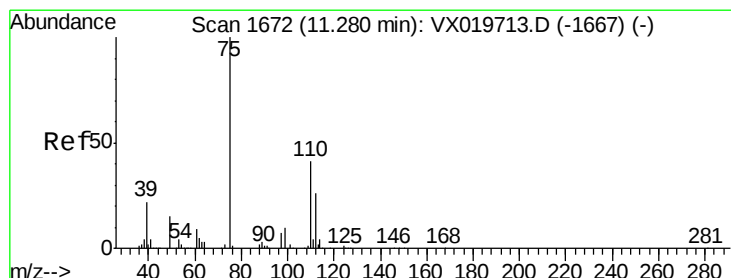
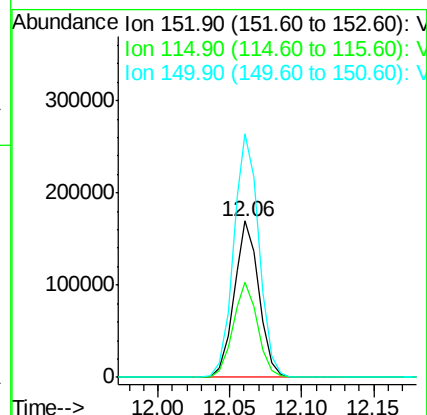
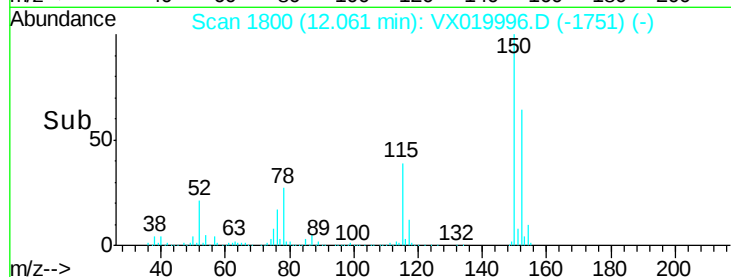
150 159.2 0.0 349.0



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: 23.769 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019996.D

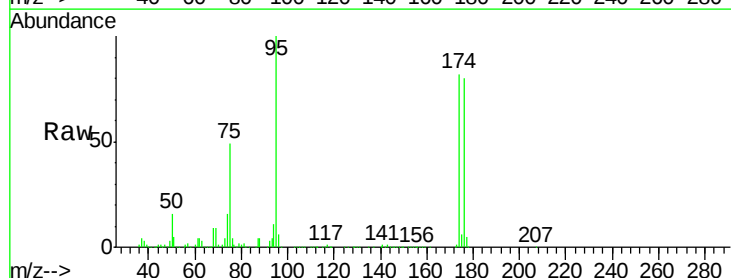
Acq: 14 Dec 2020 18:58

Tgt Ion: 75 Resp: 108770

Ion Ratio Lower Upper

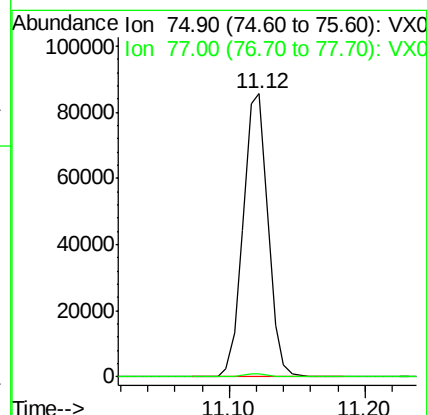
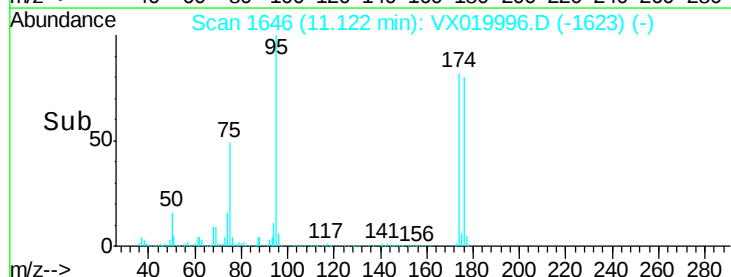
75 100

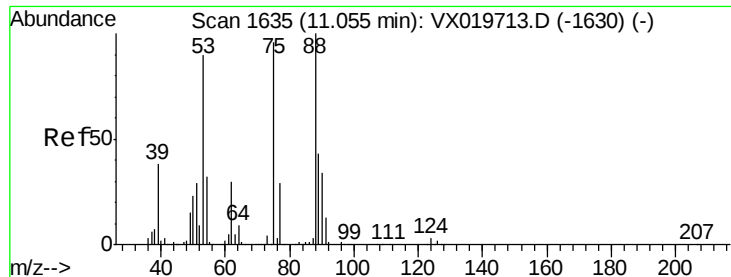
77 1.2 19.1 57.5#



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: 68.713 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019996.D

Acq: 14 Dec 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

Tgt Ion: 75 Resp: 108770

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

