

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019970.D
 Acq On : 13 Dec 2020 06:45
 Operator : JC/MD
 Sample : L5065-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JBD-WC-S-IB-0809A-0-6

Quant Time: Dec 14 08:26:02 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	5.63	168	324386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	541529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	513822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215551	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	207412	48.65	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.30%	
35) Dibromofluoromethane		5.46	113	168217	48.06	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.12%	
50) Toluene-d8		8.70	98	675177	50.53	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.06%	
62) 4-Bromofluorobenzene		11.12	95	234469	46.11	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.22%	

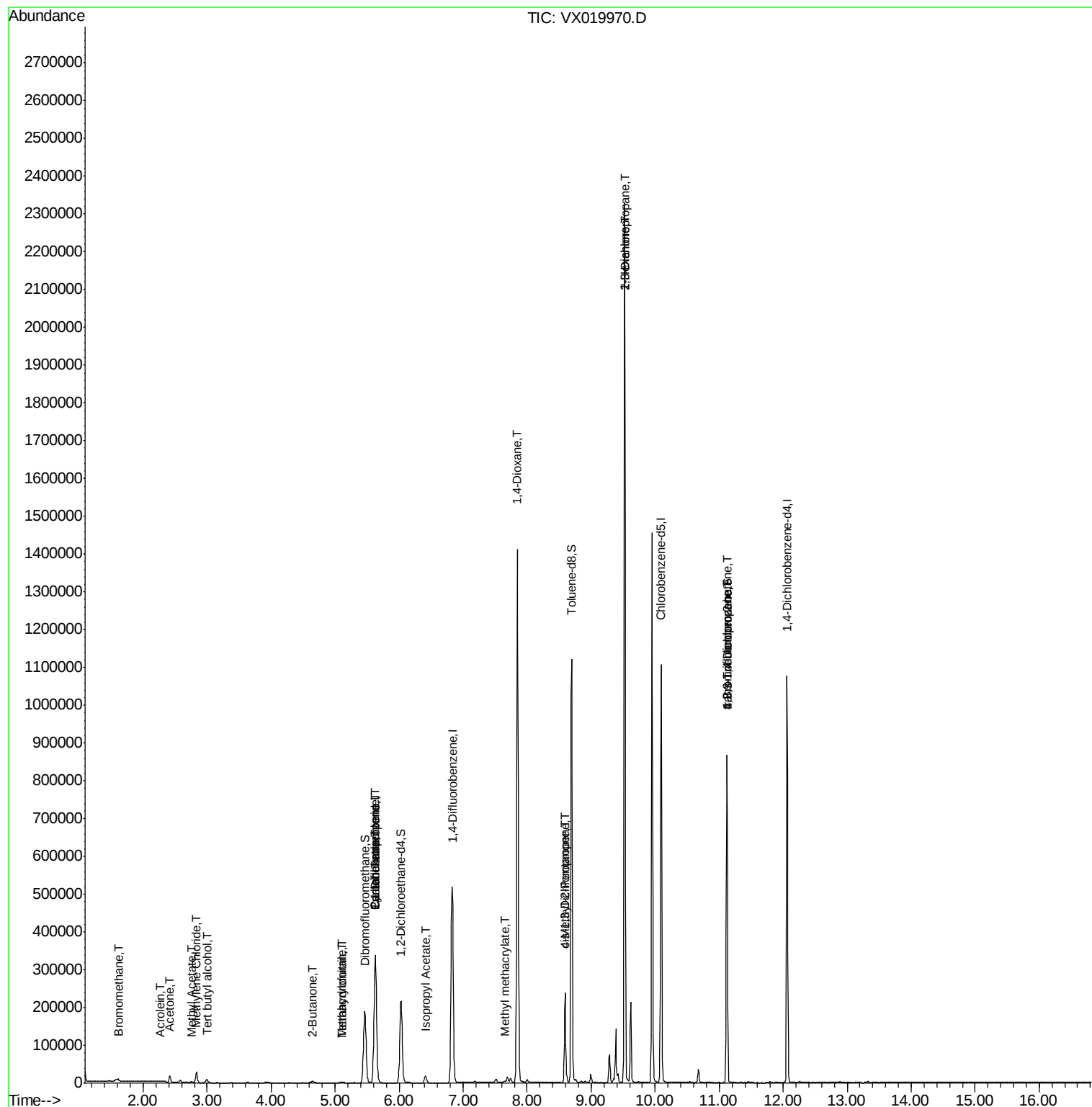
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	381	0.312	ug/l #	76
11) Tert butyl alcohol	2.99	59	5036	3.166	ug/l #	75
13) Acrolein	2.27	56	135	0.287	ug/l #	1
16) Acetone	2.42	43	17335	10.817	ug/l	99
18) Methyl Acetate	2.75	43	3430	0.875	ug/l	90
20) Methylene Chloride	2.84	84	13339	2.289	ug/l	97
25) 2-Butanone	4.64	43	4251	1.726	ug/l	99
29) Tetrahydrofuran	5.10	42	1809	1.140	ug/l #	85
31) Cyclohexane	5.63	56	6409	1.208	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	25576	5.227	ug/l #	48
38) Carbon Tetrachloride	5.62	117	32194	6.718	ug/l #	17
41) Methacrylonitrile	5.09	41	1187	0.438	ug/l #	33
43) Isopropyl Acetate	6.41	43	23730	2.954	ug/l	98
48) Methyl methacrylate	7.65	41	6089	1.541	ug/l #	10
49) 1,4-Dioxane	7.85	88	231	2.414	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	75761	15.448	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	38900	6.445	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	20934	3.254	ug/l #	43
59) 2-Hexanone	9.52	43	249156	65.543	ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	114236	23.630	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	114236	68.309	ug/l #	12

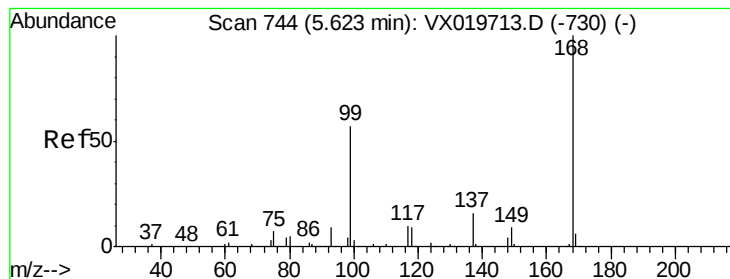
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
Data File : VX019970.D
Acq On : 13 Dec 2020 06:45
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Sample : L5065-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JBD-WC-S-IB-0809A-0-6

Quant Time: Dec 14 08:26:02 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: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

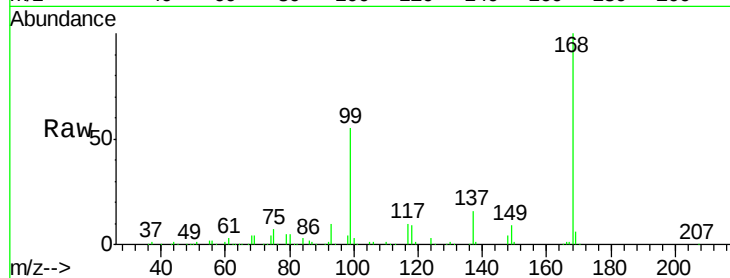
JBD-WC-S-IB-0809A-0-6

Tgt Ion: 168 Resp: 324386

Ion Ratio Lower Upper

168 100

99 55.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

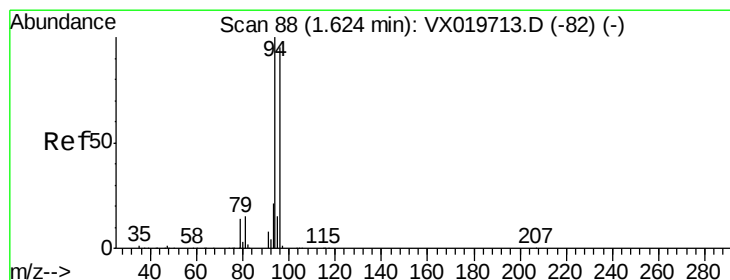
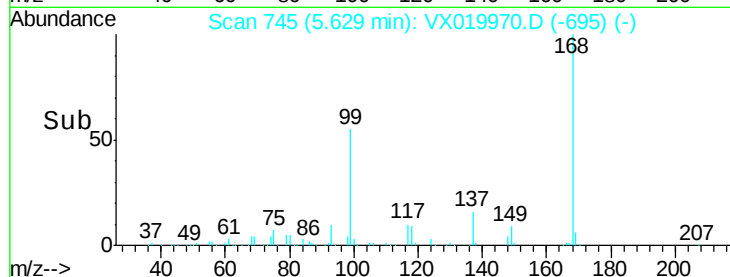
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.312 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019970.D

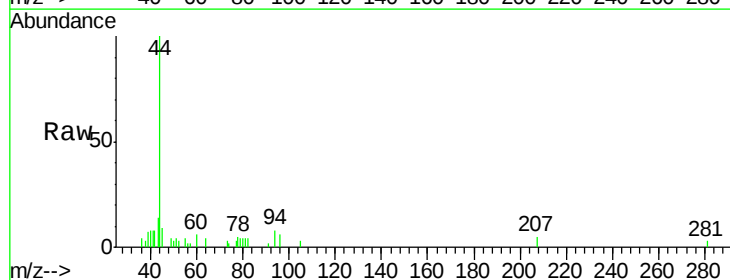
Acq: 13 Dec 2020 06:45

Tgt Ion: 94 Resp: 381

Ion Ratio Lower Upper

94 100

96 71.8 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

200

150

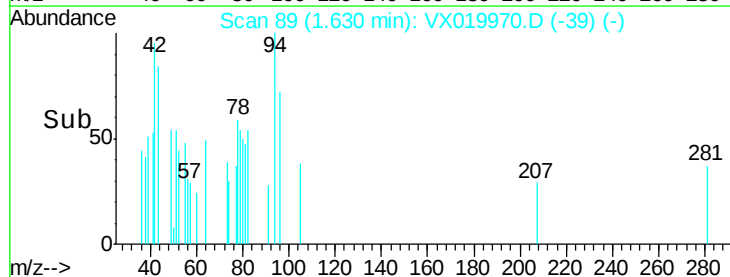
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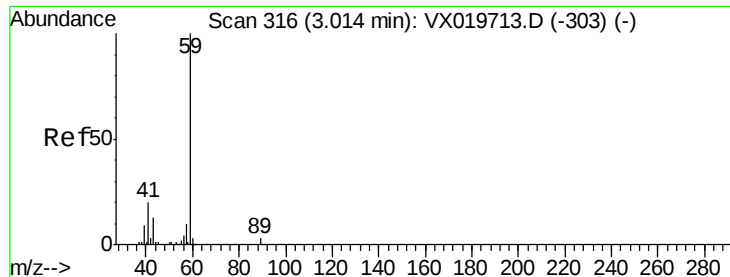
50

0

Time-->

1.60 1.65

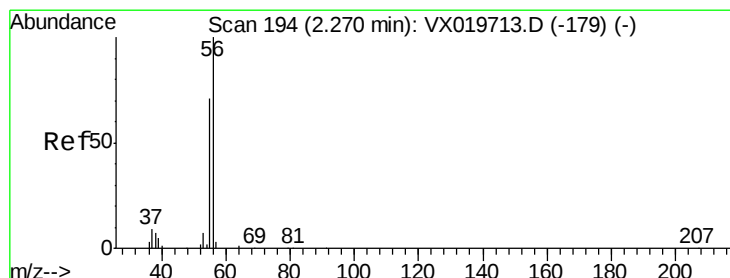
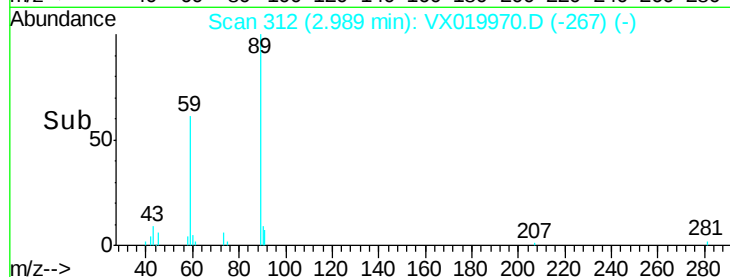
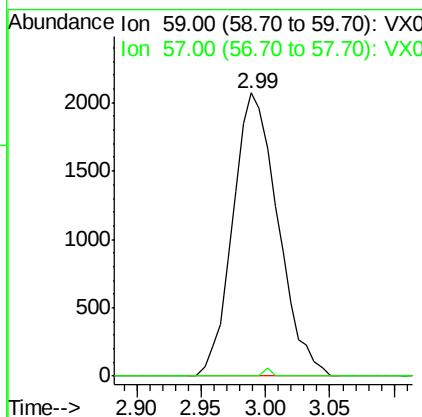
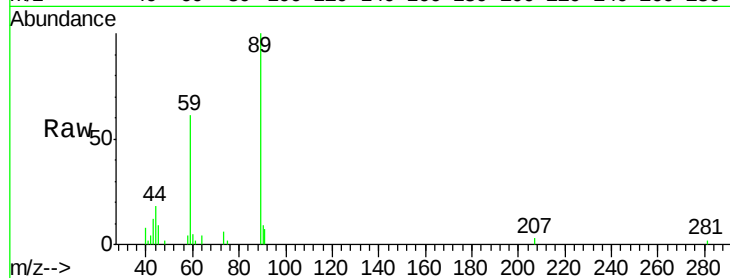




#11
Tert butyl alcohol
Concen: 3.166 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019970.D
Acq: 13 Dec 2020 06:45

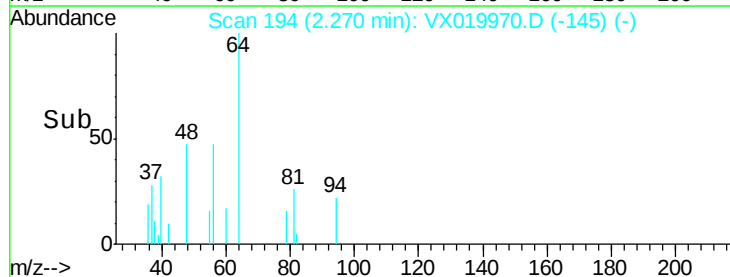
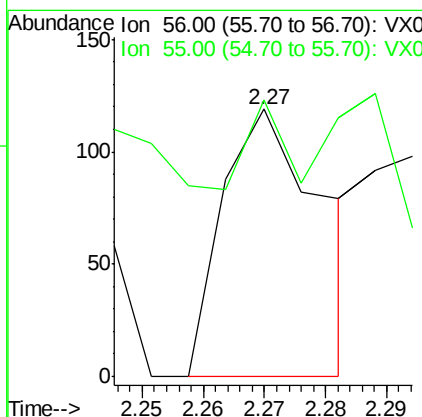
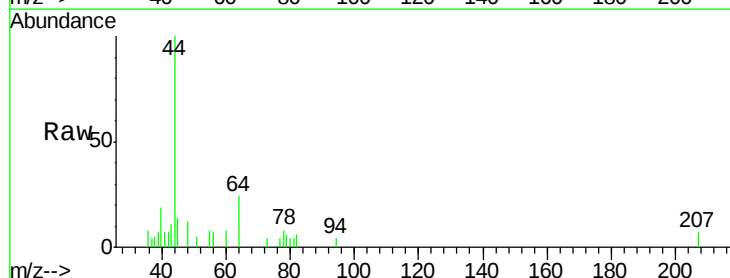
Instrument :
MSVOA_X
ClientSampleId :
JBD-WC-S-IB-0809A-0-6

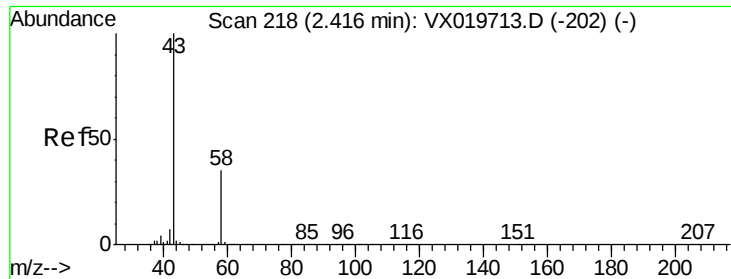
Tgt Ion: 59 Resp: 5036
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.8#



#13
Acrolein
Concen: 0.287 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX019970.D
Acq: 13 Dec 2020 06:45

Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 201.5 56.4 84.6#





#16

Acetone

Concen: 10.817 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

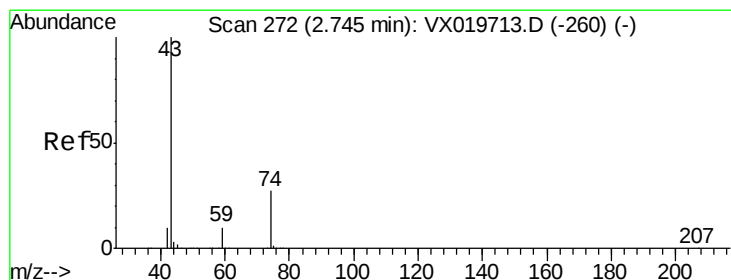
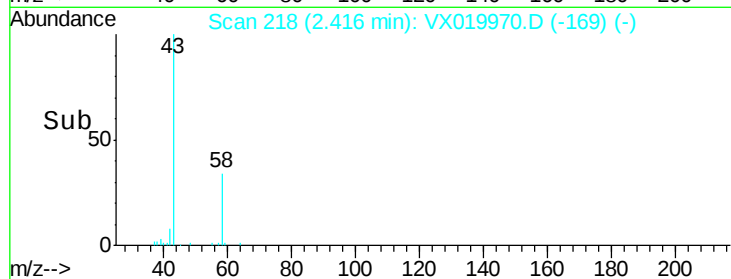
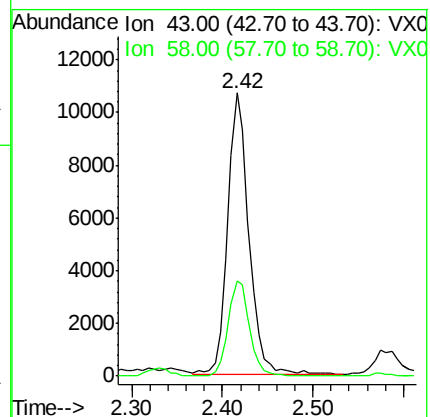
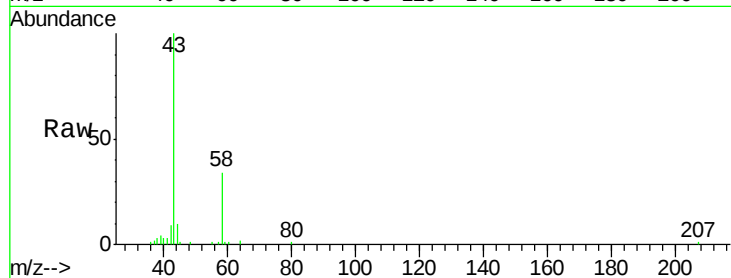
JBD-WC-S-IB-0809A-0-6

Tgt Ion: 43 Resp: 17335

Ion Ratio Lower Upper

43 100

58 34.0 27.8 41.8



#18

Methyl Acetate

Concen: 0.875 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019970.D

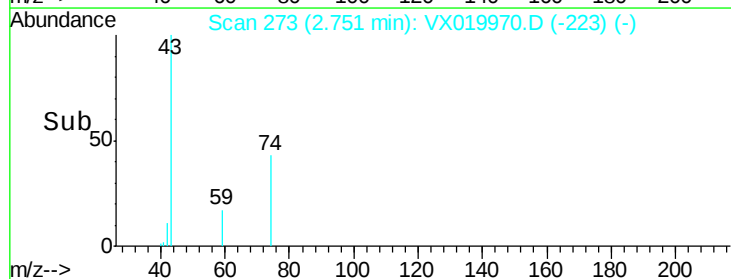
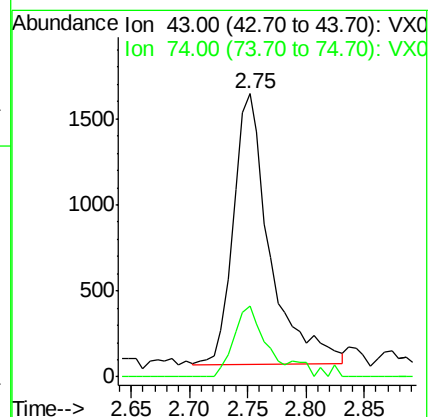
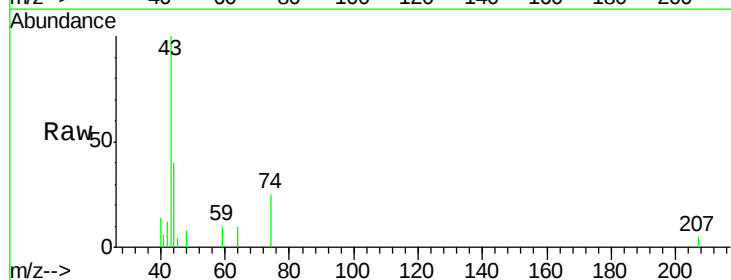
Acq: 13 Dec 2020 06:45

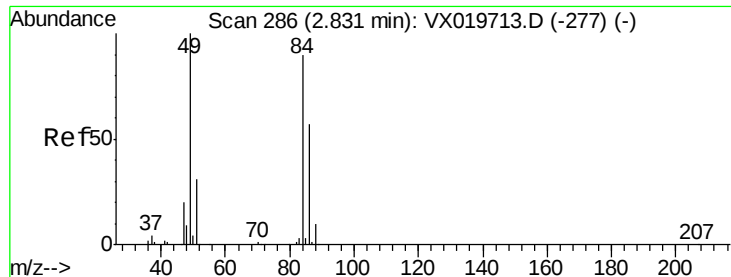
Tgt Ion: 43 Resp: 3430

Ion Ratio Lower Upper

43 100

74 22.3 21.9 32.9

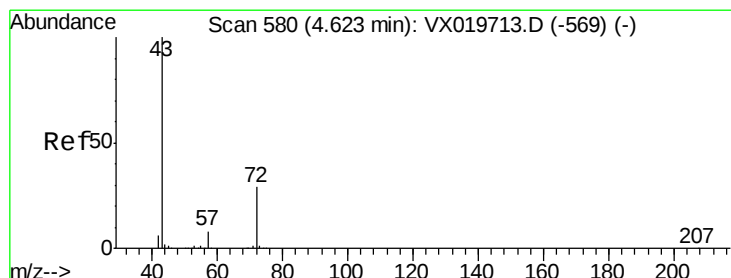
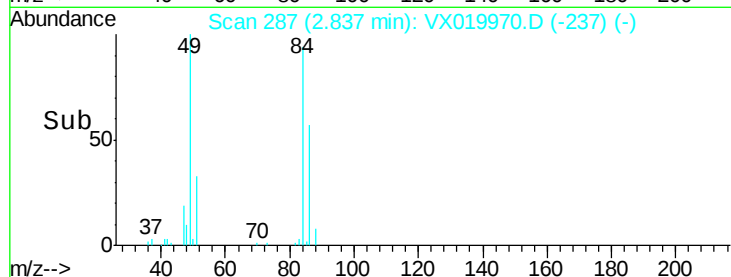
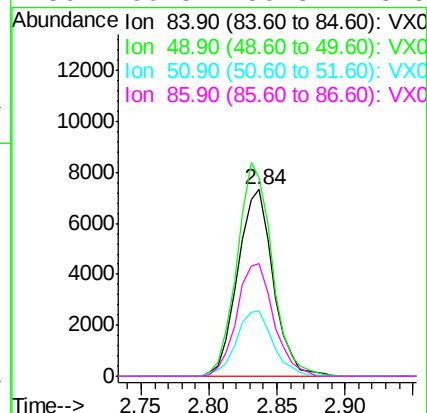
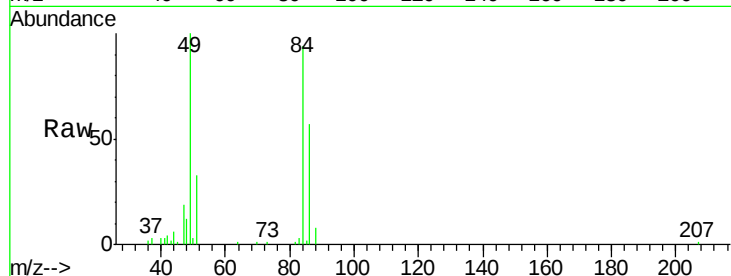




#20
Methylene Chloride
Concen: 2.289 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019970.D
Acq: 13 Dec 2020 06:45

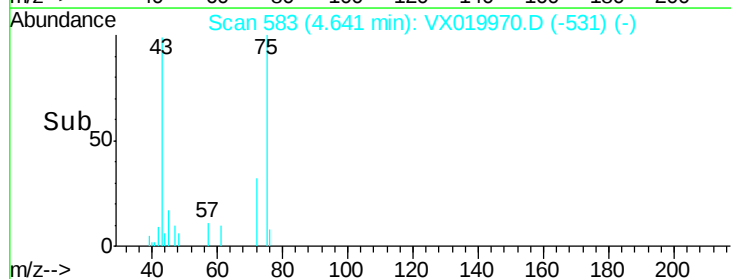
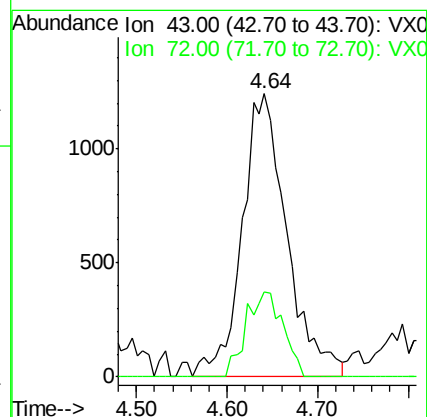
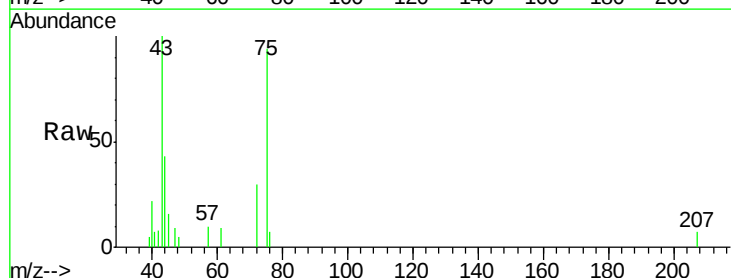
Instrument :
MSVOA_X
ClientSampleId :
JBD-WC-S-IB-0809A-0-6

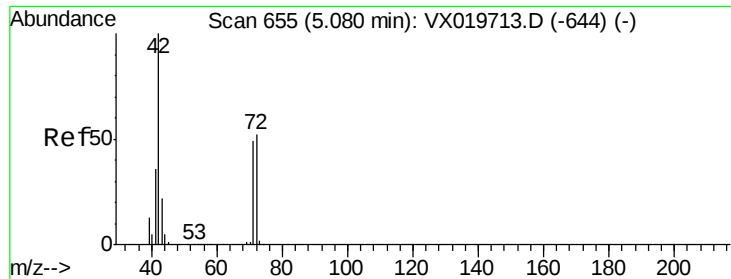
Tgt Ion:	84	Resp:	13339
Ion	Ratio	Lower	Upper
84	100		
49	106.6	88.6	132.8
51	35.1	27.0	40.6
86	60.5	50.3	75.5



#25
2-Butanone
Concen: 1.726 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019970.D
Acq: 13 Dec 2020 06:45

Tgt Ion:	43	Resp:	4251
Ion	Ratio	Lower	Upper
43	100		
72	29.9	23.7	35.5

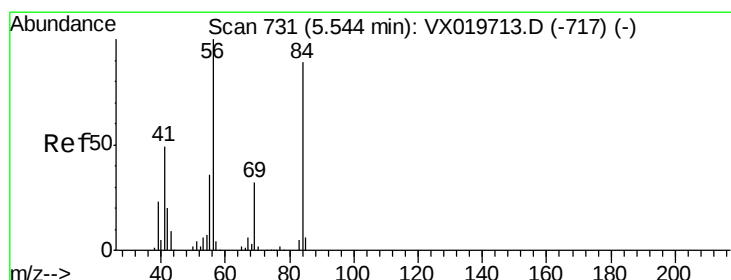
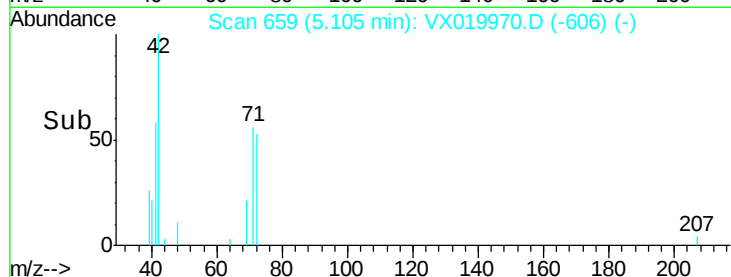
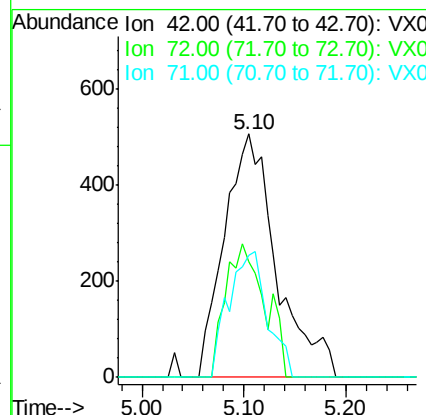
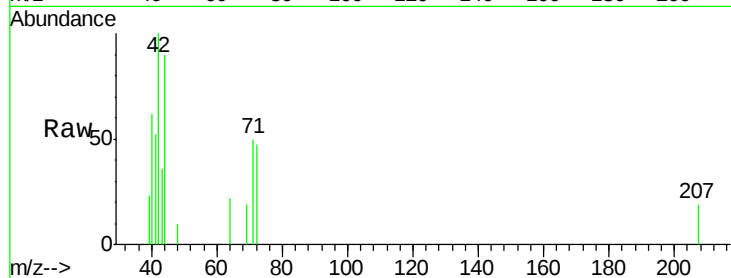




#29
Tetrahydrofuran
Concen: 1.140 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019970.D
Acq: 13 Dec 2020 06:45

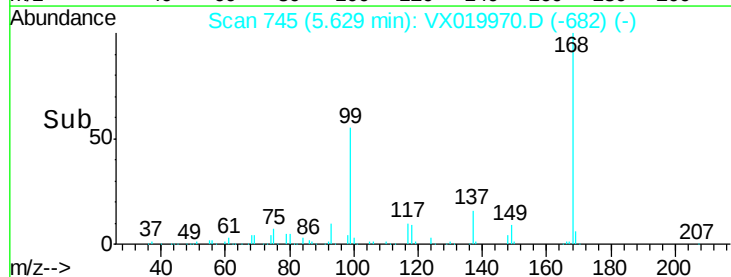
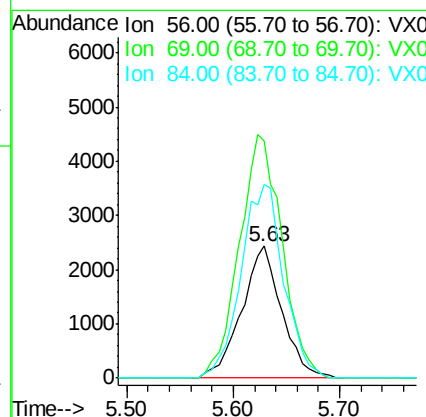
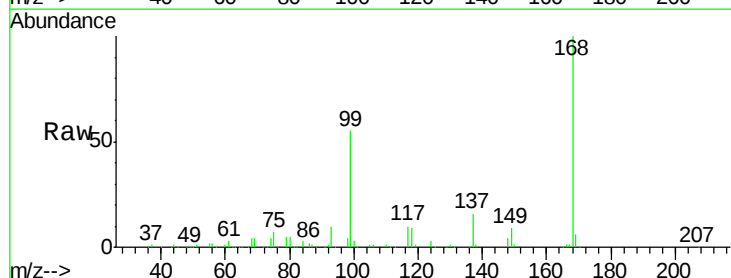
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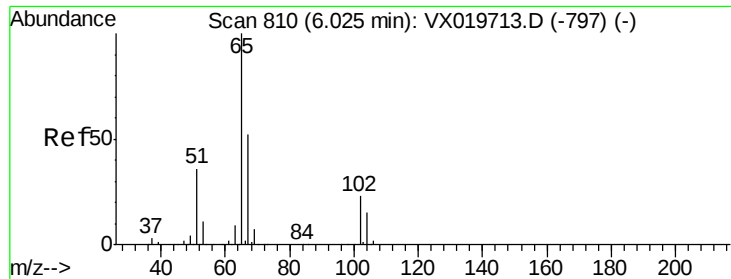
Tgt Ion: 42 Resp: 1809
Ion Ratio Lower Upper
42 100
72 41.3 41.7 62.5#
71 38.0 38.4 57.6#



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019970.D
Acq: 13 Dec 2020 06:45

Tgt Ion: 56 Resp: 6409
Ion Ratio Lower Upper
56 100
69 179.3 25.3 37.9#
84 146.8 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.650 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

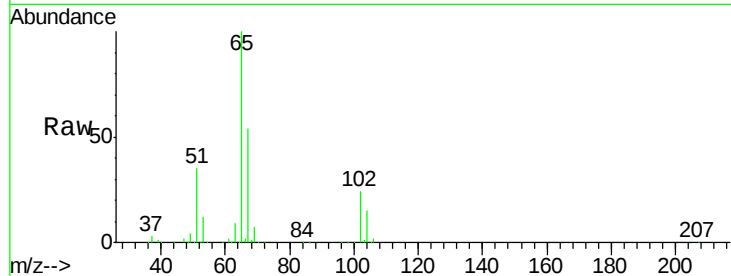
JBD-WC-S-IB-0809A-0-6

Tgt Ion: 65 Resp: 207412

Ion Ratio Lower Upper

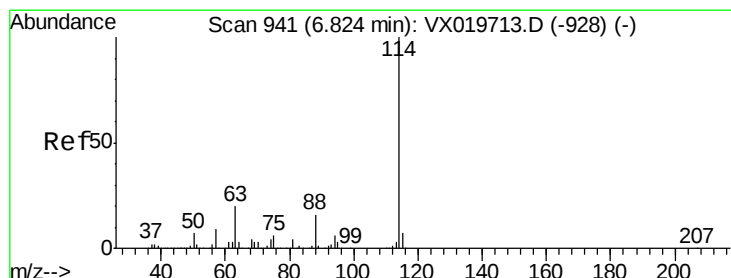
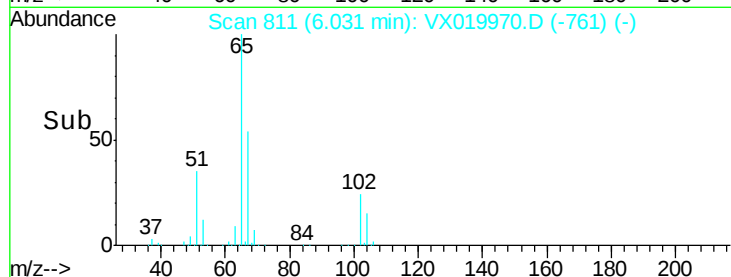
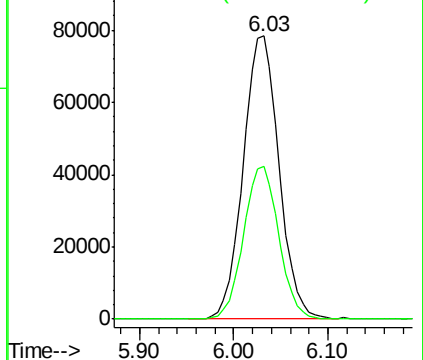
65 100

67 53.4 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

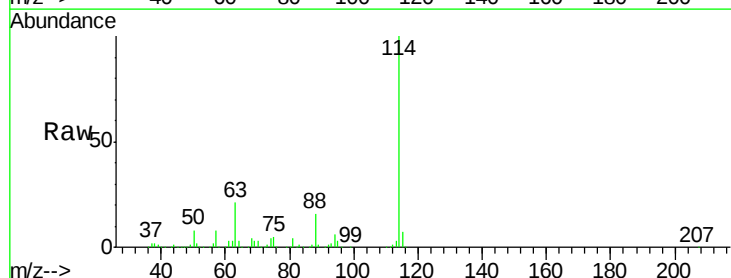
Tgt Ion: 114 Resp: 541529

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

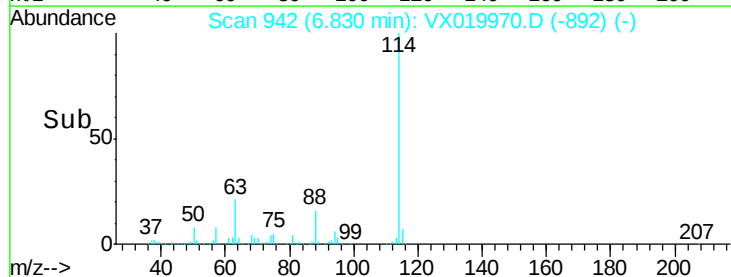
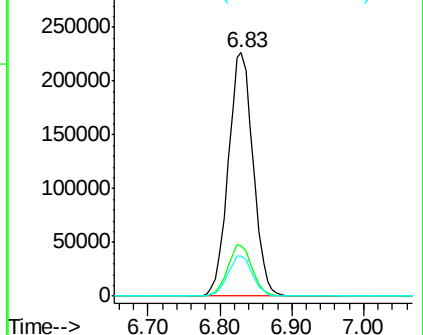
88 16.3 0.0 32.8

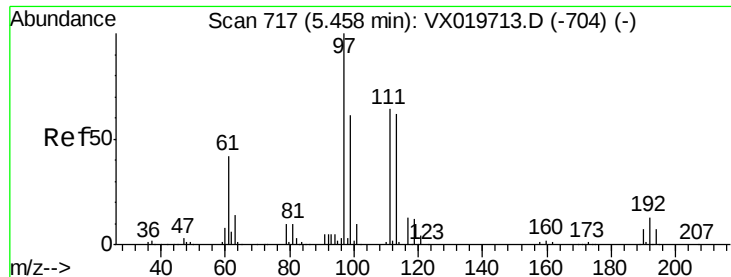


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.064 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

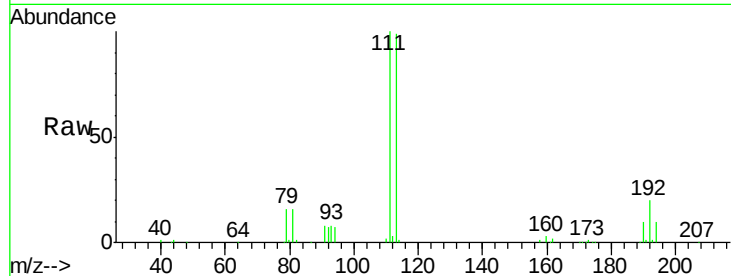
Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-S-IB-0809A-0-6

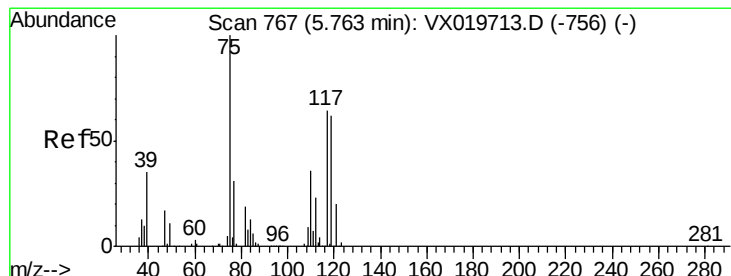
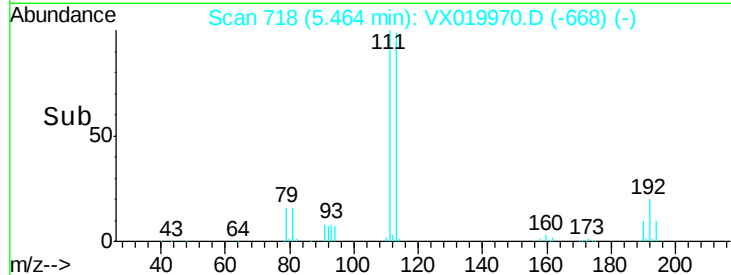
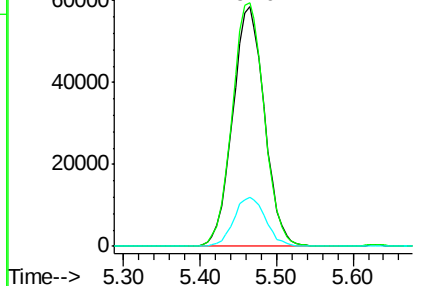
Tgt Ion:	113	Resp:	168217
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	20.6	16.7	25.1



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: 5.227 ug/l

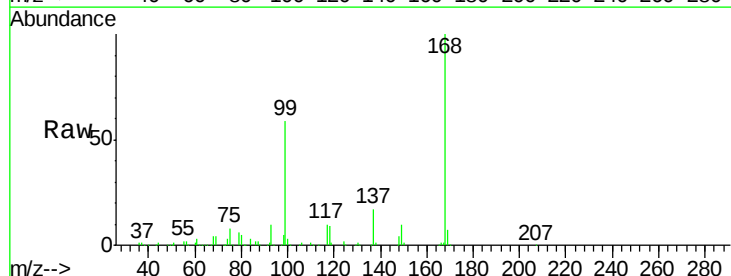
RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

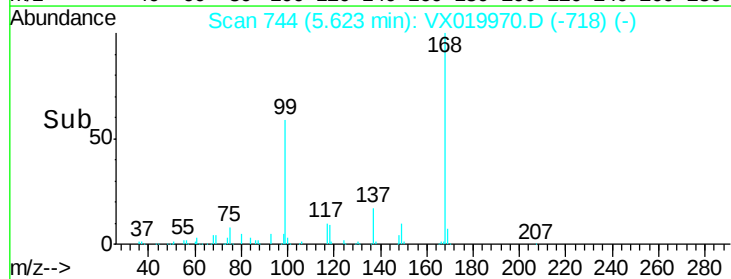
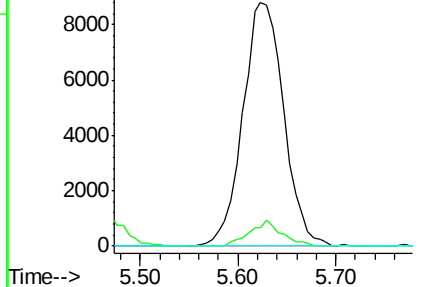
Tgt Ion:	75	Resp:	25576
Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.4#
77	0.0	25.3	37.9#

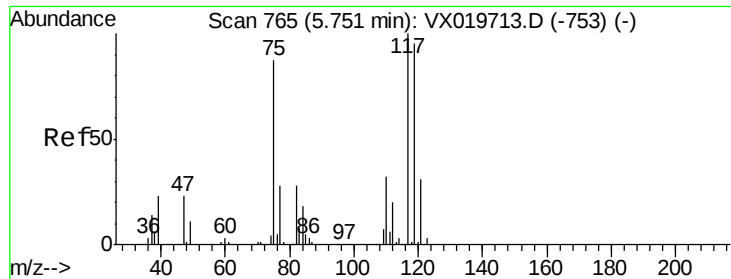


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.718 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-S-IB-0809A-0-6

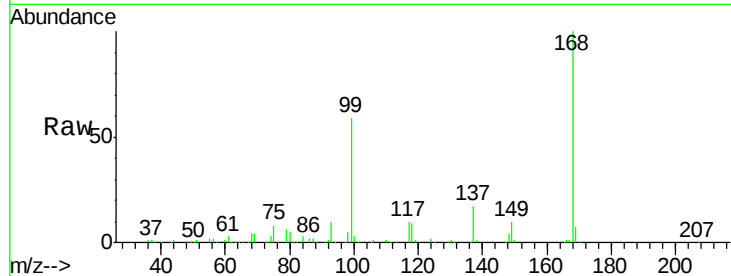
Tgt Ion: 117 Resp: 32194

Ion Ratio Lower Upper

117 100

119 6.4 76.2 114.2#

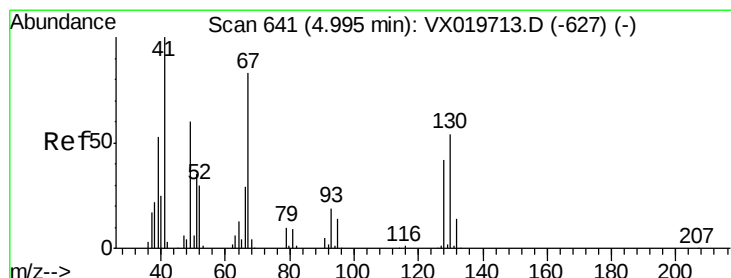
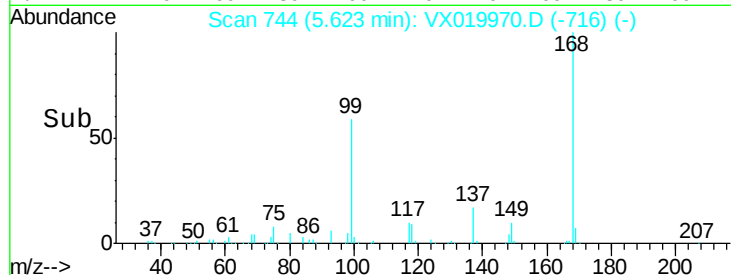
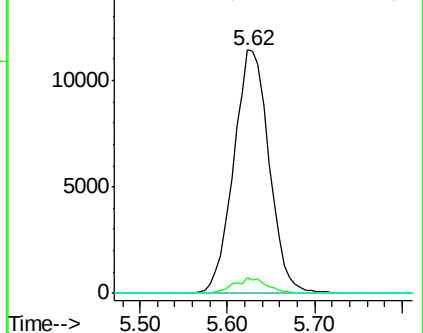
121 0.0 24.8 37.2#



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: 0.438 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.10 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Tgt Ion: 41 Resp: 1187

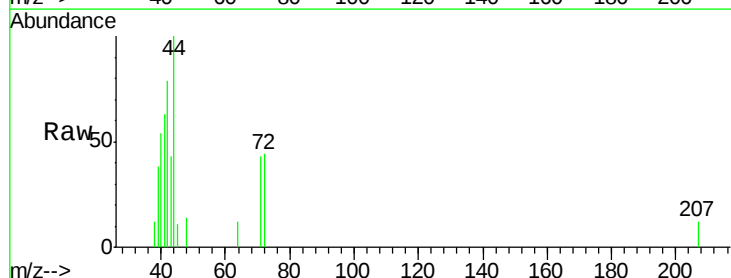
Ion Ratio Lower Upper

41 100

39 27.9 42.5 63.7#

67 0.0 65.0 97.6#

52 0.0 25.3 37.9#

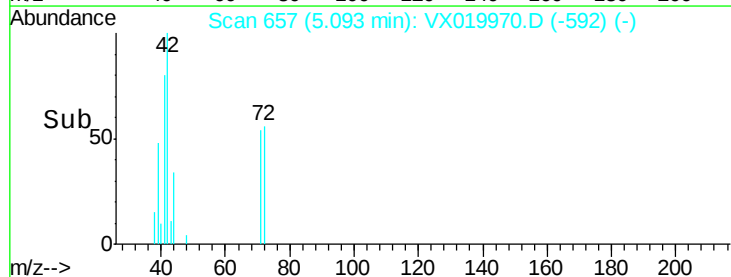
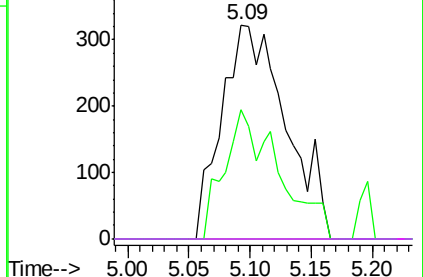


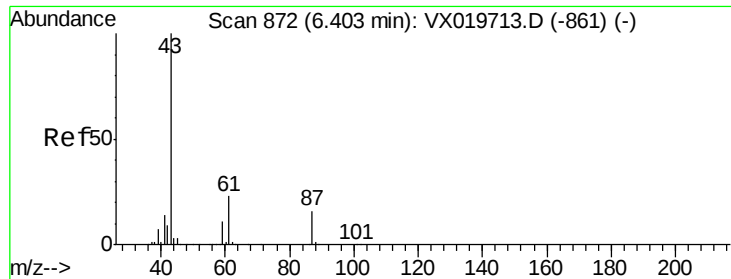
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 2.954 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-S-IB-0809A-0-6

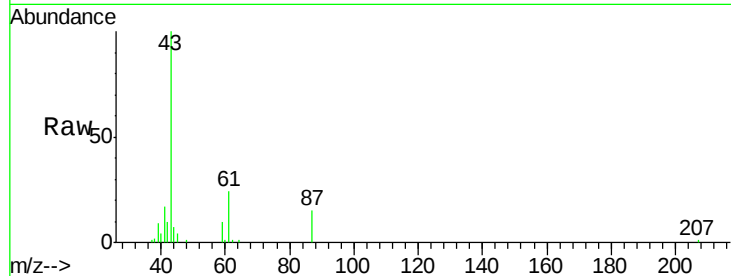
Tgt Ion: 43 Resp: 23730

Ion Ratio Lower Upper

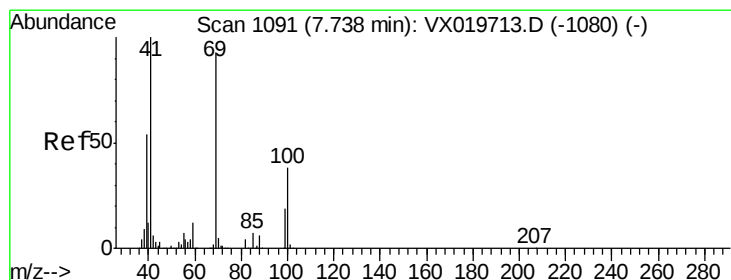
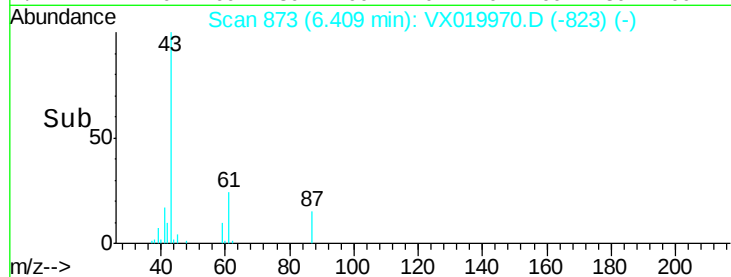
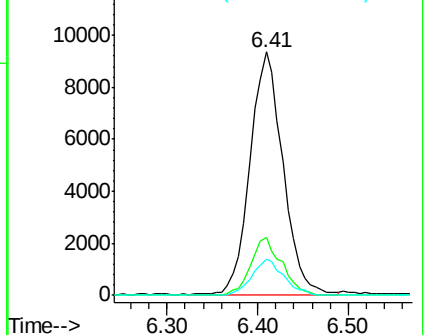
43 100

61 22.0 18.2 27.4

87 14.2 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: 1.541 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

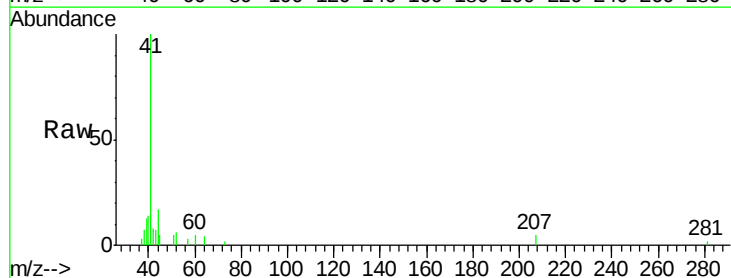
Tgt Ion: 41 Resp: 6089

Ion Ratio Lower Upper

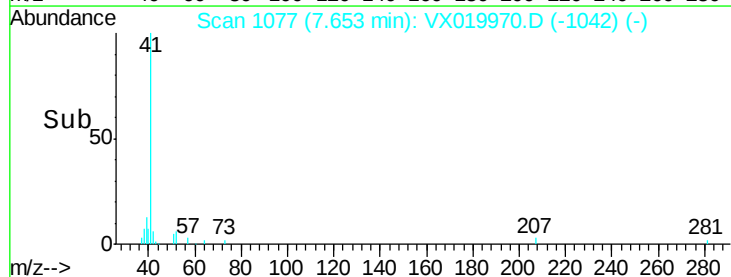
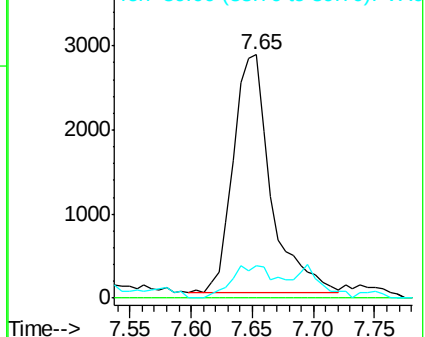
41 100

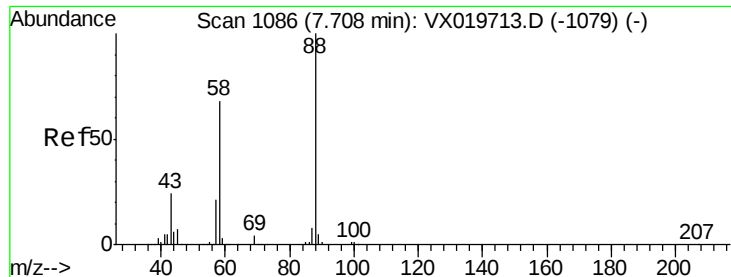
69 0.0 76.0 114.0#

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: 2.414 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.14 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-S-IB-0809A-0-6

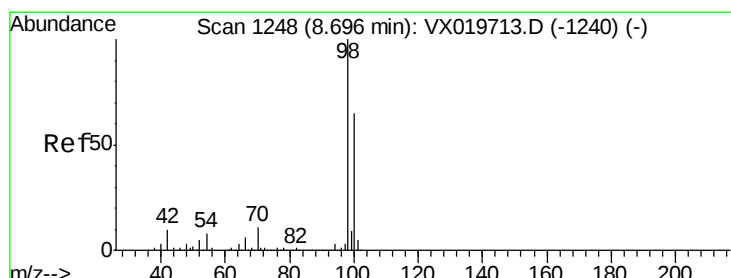
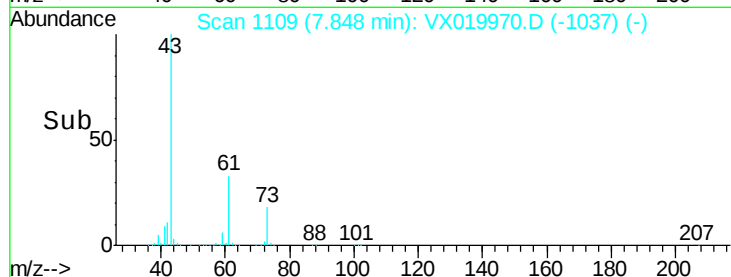
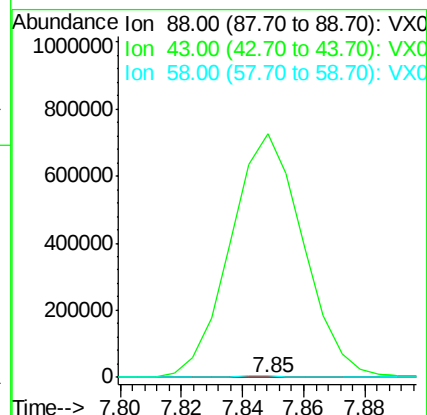
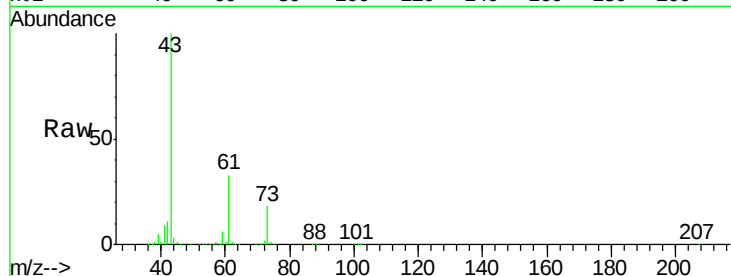
Tgt Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

43 522037.2 23.2 34.8#

58 2773.6 55.0 82.4#



#50

Toluene-d8

Concen: 50.532 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019970.D

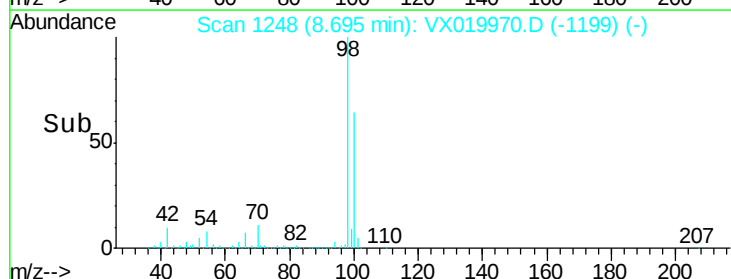
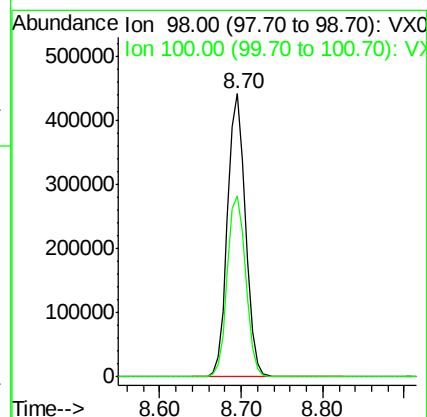
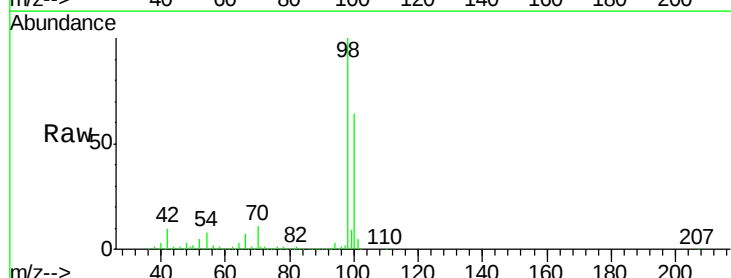
Acq: 13 Dec 2020 06:45

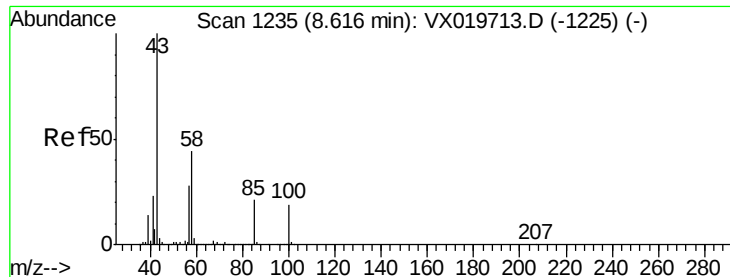
Tgt Ion: 98 Resp: 675177

Ion Ratio Lower Upper

98 100

100 65.7 51.9 77.9

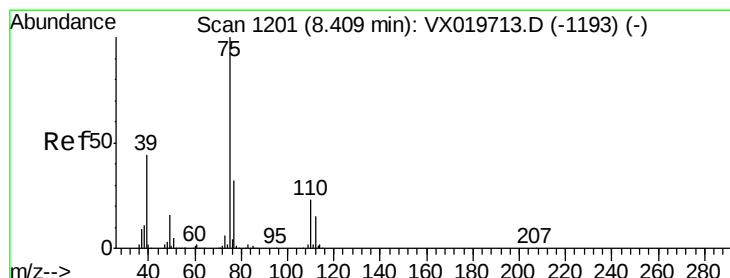
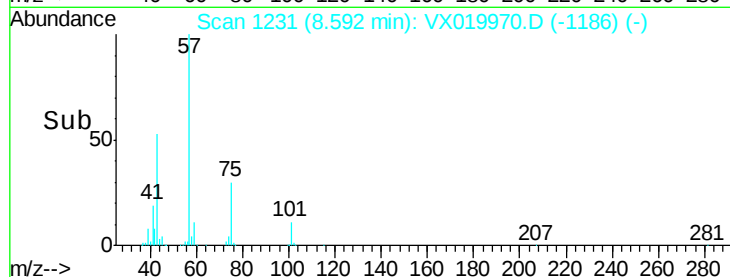
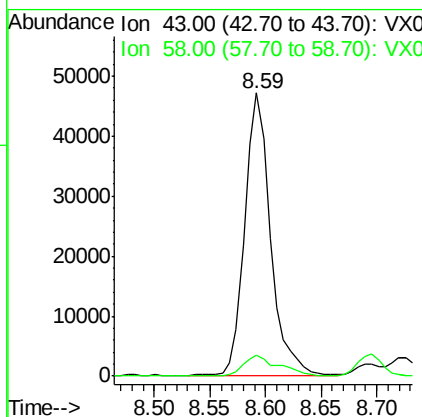
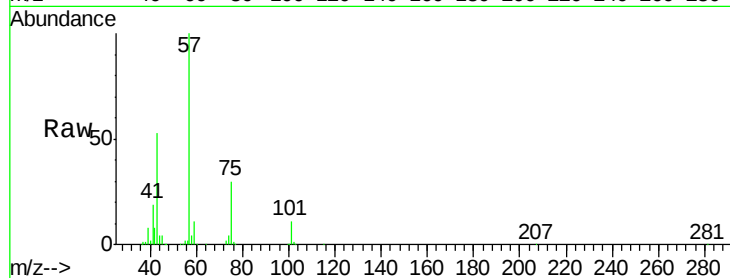




#51
 4-Methyl-2-Pentanone
 Concen: 15.448 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VX019970.D
 Acq: 13 Dec 2020 06:45

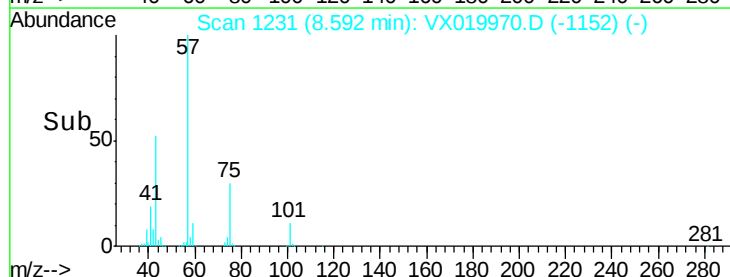
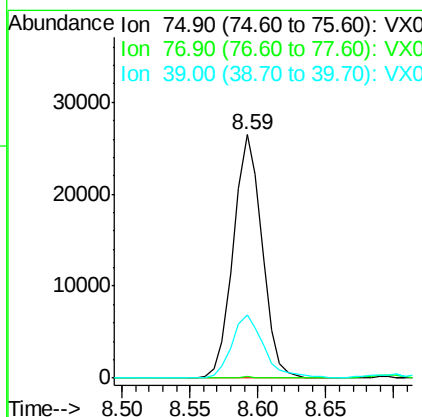
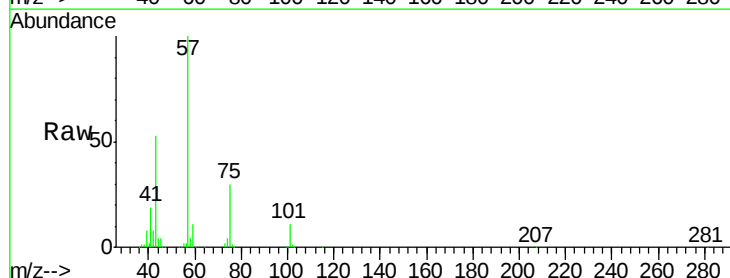
Instrument :
 MSVOA_X
 ClientSampleId :
 JBD-WC-S-IB-0809A-0-6

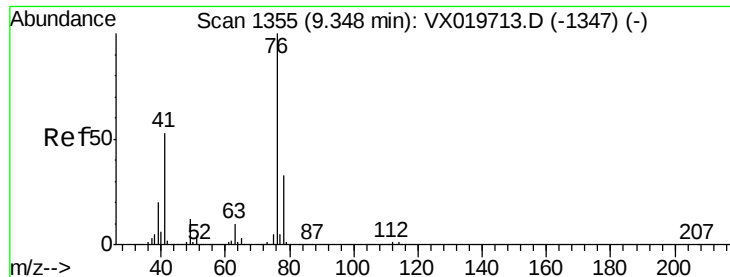
Tgt Ion: 43 Resp: 75761
 Ion Ratio Lower Upper
 43 100
 58 10.1 35.4 53.0#



#54
 cis-1,3-Dichloropropene
 Concen: 6.445 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019970.D
 Acq: 13 Dec 2020 06:45

Tgt Ion: 75 Resp: 38900
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 25.9 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 3.254 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.18 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

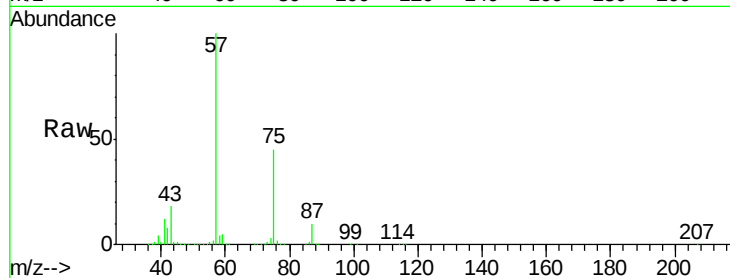
JBD-WC-S-IB-0809A-0-6

Tgt Ion: 76 Resp: 20934

Ion Ratio Lower Upper

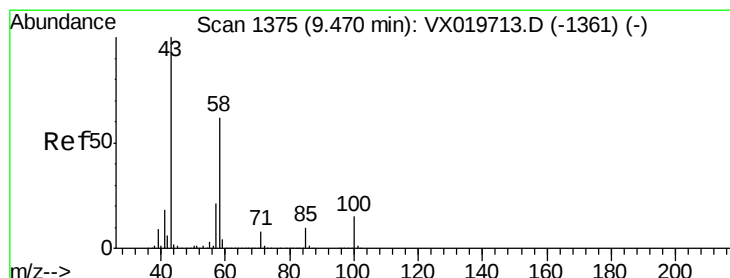
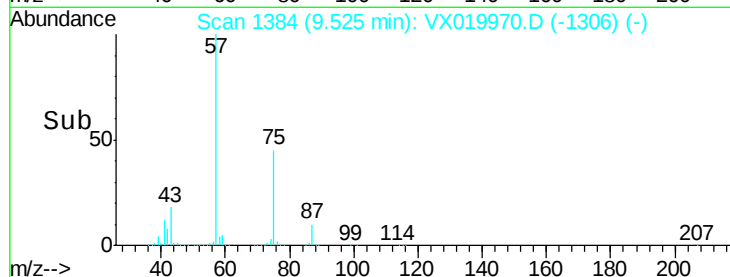
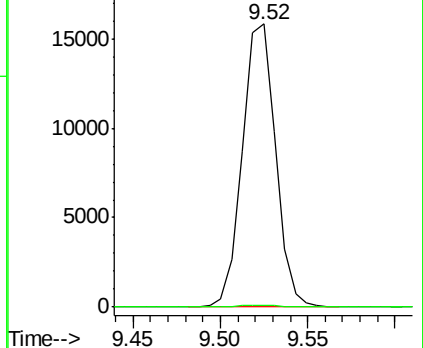
76 100

78 0.8 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 65.543 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX019970.D

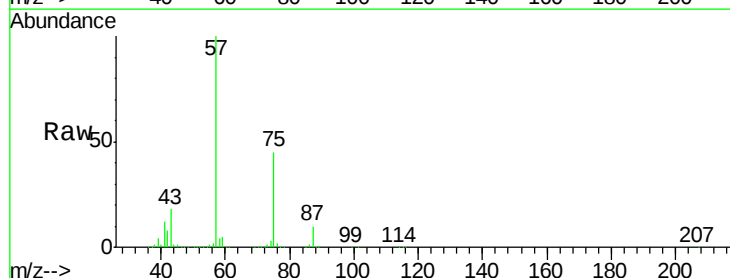
Acq: 13 Dec 2020 06:45

Tgt Ion: 43 Resp: 249156

Ion Ratio Lower Upper

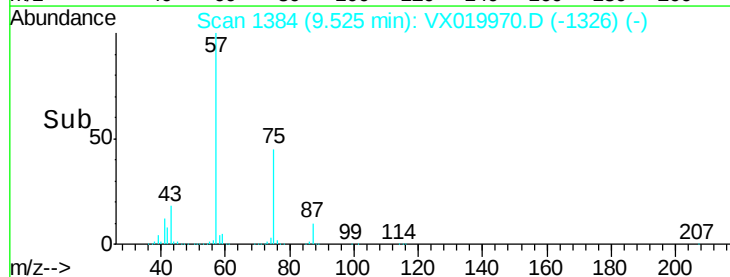
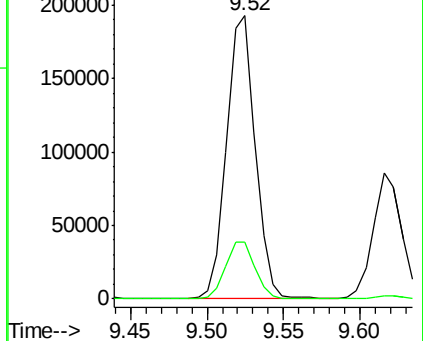
43 100

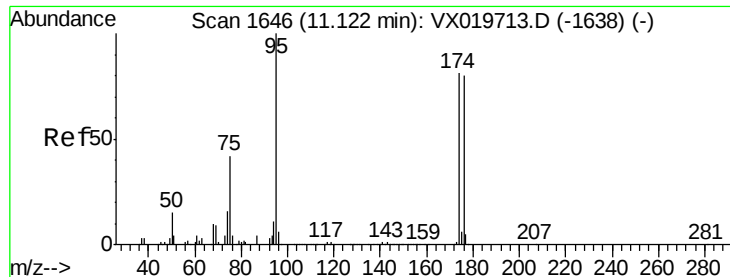
58 21.0 30.9 92.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.105 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-S-IB-0809A-0-6

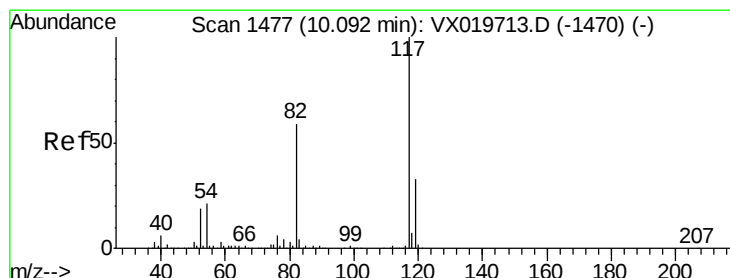
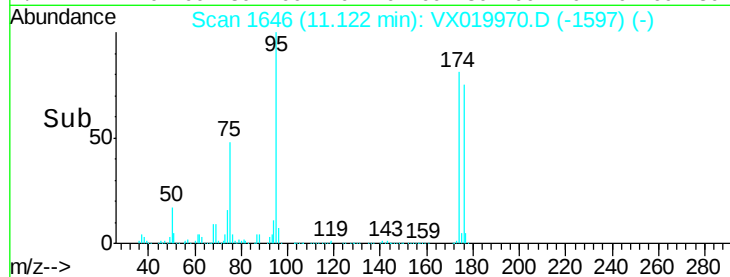
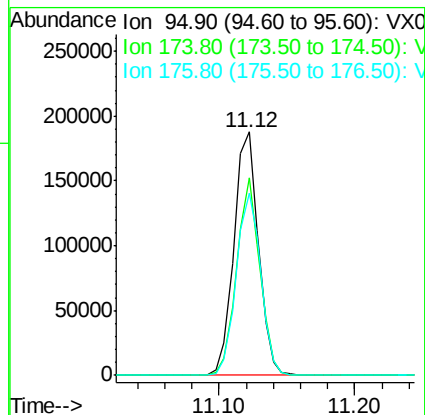
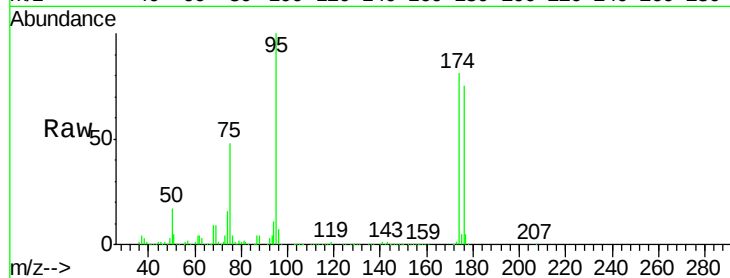
Tgt Ion: 95 Resp: 234469

Ion Ratio Lower Upper

95 100

174 77.0 0.0 154.6

176 75.2 0.0 155.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

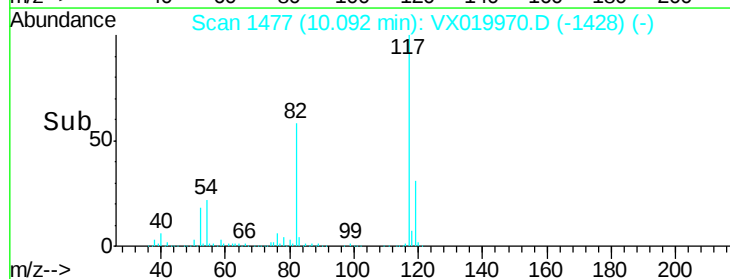
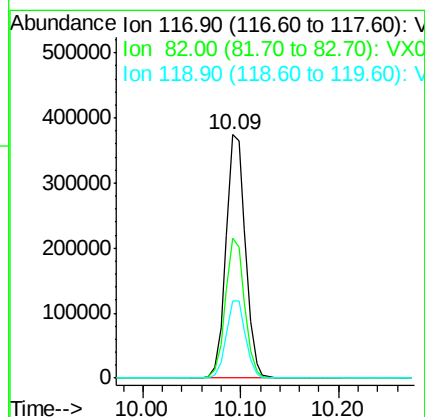
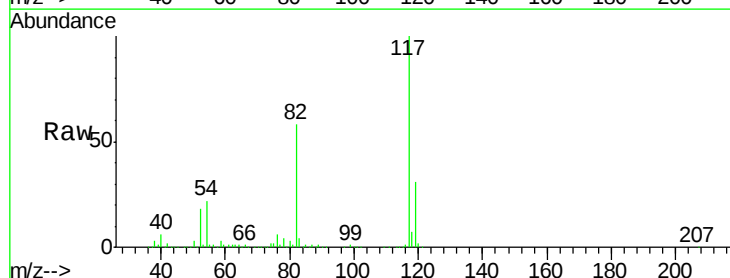
Tgt Ion: 117 Resp: 513822

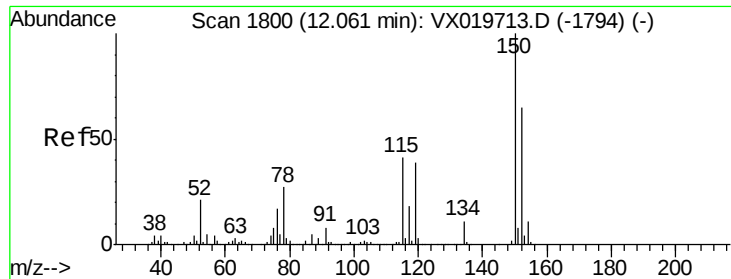
Ion Ratio Lower Upper

117 100

82 57.7 47.4 71.2

119 31.5 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-S-IB-0809A-0-6

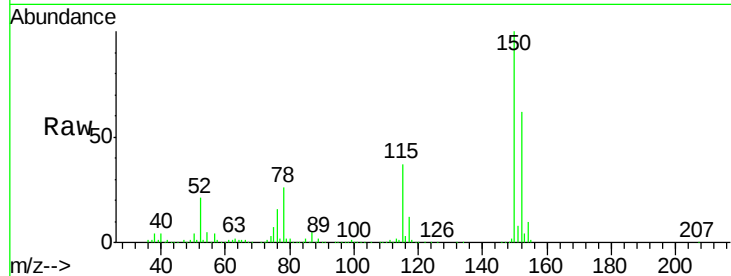
Tgt Ion: 152 Resp: 215551

Ion Ratio Lower Upper

152 100

115 60.2 41.1 123.3

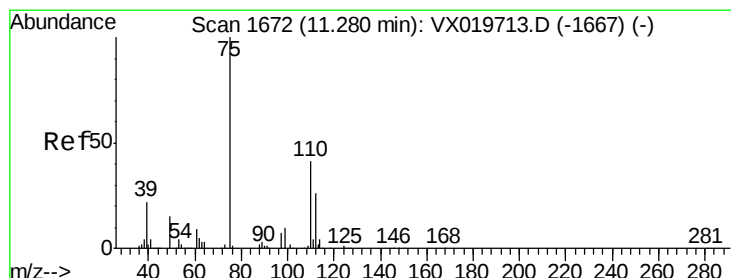
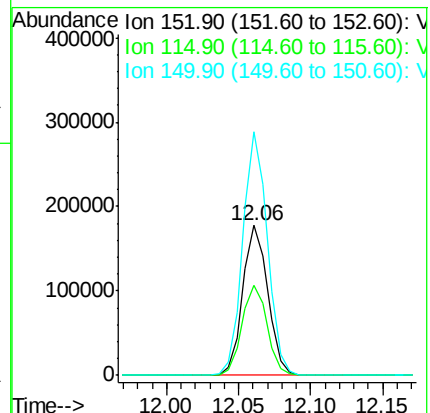
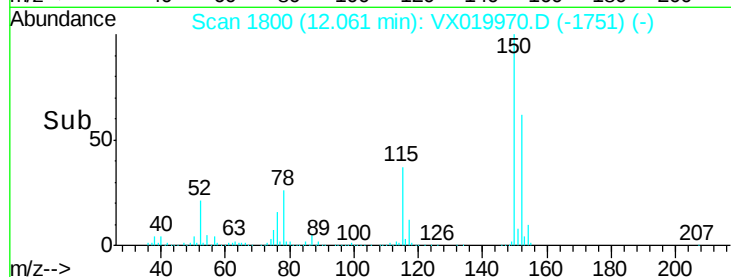
150 159.4 0.0 349.0



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: 23.630 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019970.D

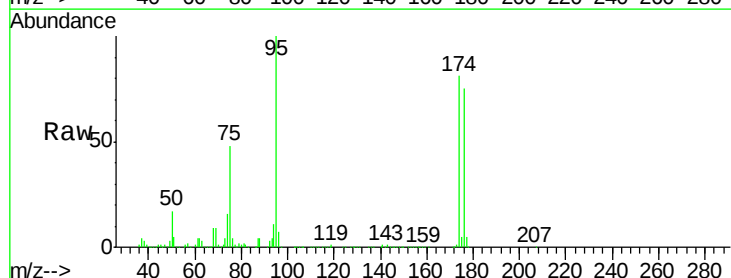
Acq: 13 Dec 2020 06:45

Tgt Ion: 75 Resp: 114236

Ion Ratio Lower Upper

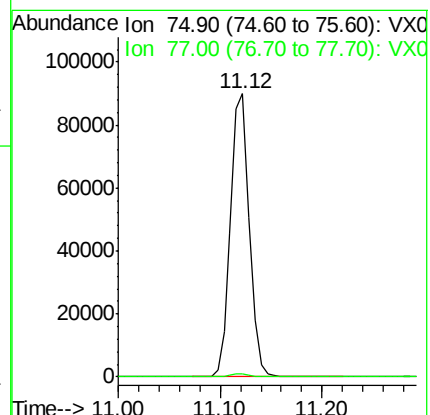
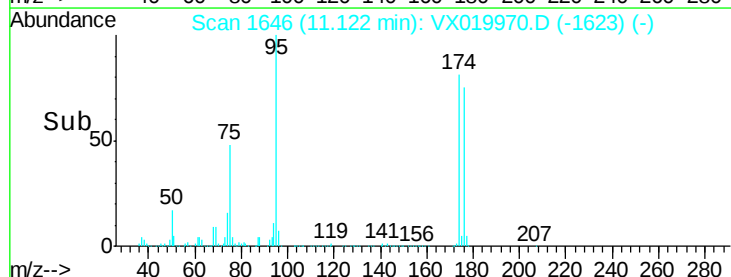
75 100

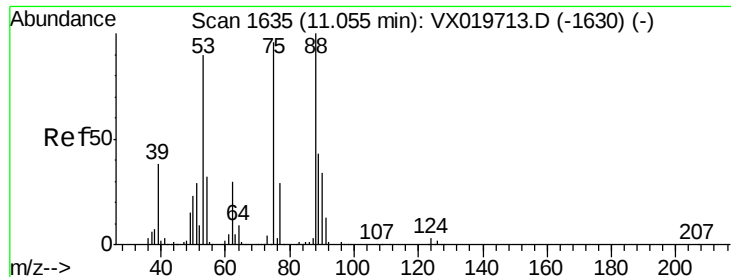
77 1.2 19.1 57.5#



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: 68.309 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019970.D

Acq: 13 Dec 2020 06:45

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-S-IB-0809A-0-6

Tgt Ion: 75 Resp: 114236

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

