

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019974.D
 Acq On : 13 Dec 2020 08:18
 Operator : JC/MD
 Sample : L5039-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

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

Quant Time: Dec 14 08:27:02 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	308461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	507623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	472509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200521	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	196334	48.43	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.86%	
35) Dibromofluoromethane		5.46	113	156930	47.83	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.66%	
50) Toluene-d8		8.70	98	627502	50.10	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.20%	
62) 4-Bromofluorobenzene		11.12	95	216781	45.47	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.94%	

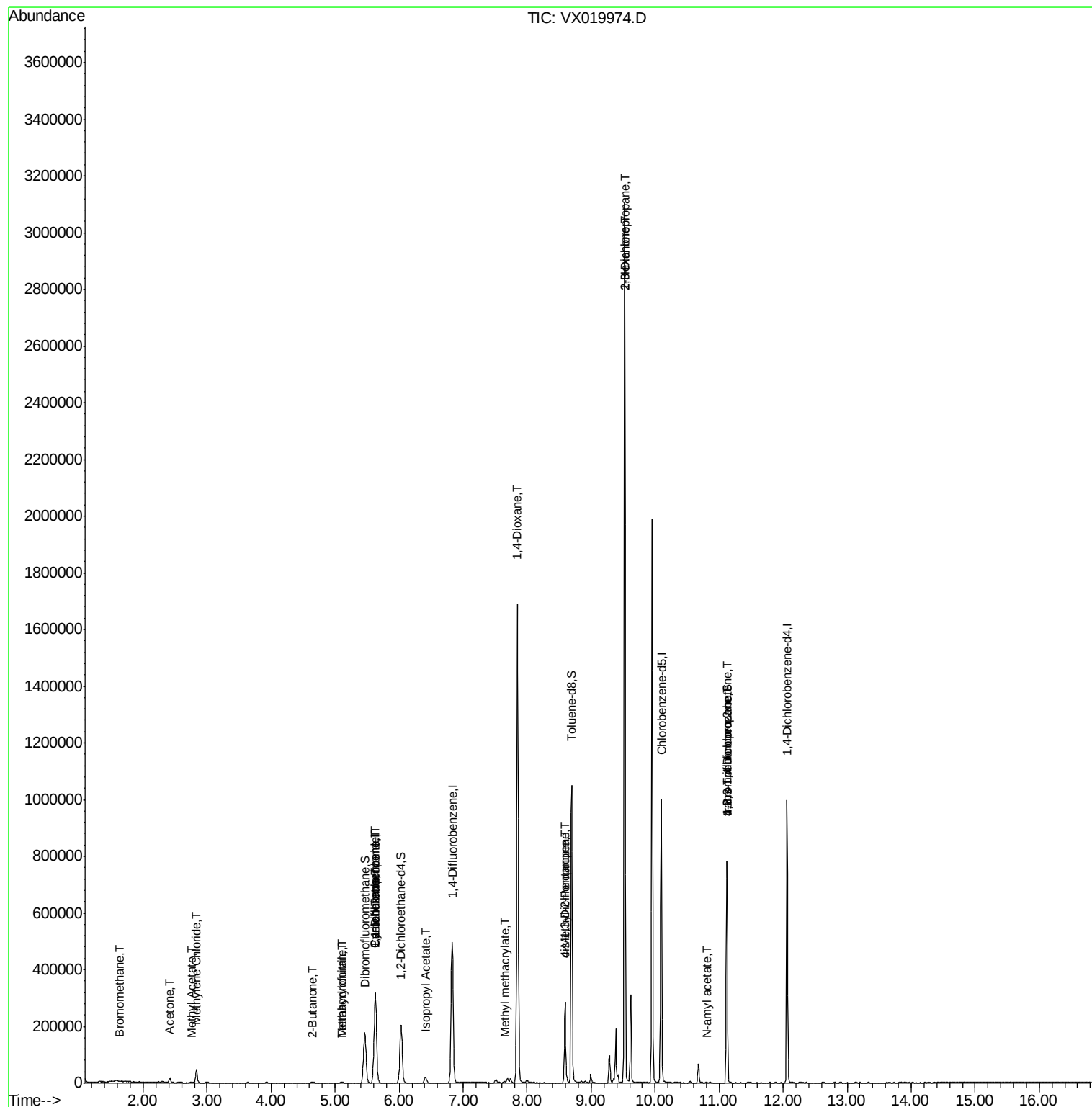
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	310	0.267	ug/l	98
16) Acetone	2.42	43	14416	9.460	ug/l	99
18) Methyl Acetate	2.75	43	2241	0.601	ug/l	95
20) Methylene Chloride	2.84	84	21691	4.954	ug/l	98
25) 2-Butanone	4.64	43	3900	1.666	ug/l	90
29) Tetrahydrofuran	5.10	42	2208	1.464	ug/l #	84
31) Cyclohexane	5.63	56	6142	1.218	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23684	5.163	ug/l #	49
38) Carbon Tetrachloride	5.62	117	29591	6.588	ug/l #	16
41) Methacrylonitrile	5.09	41	1294	0.509	ug/l #	42
43) Isopropyl Acetate	6.41	43	26564	3.528	ug/l	99
48) Methyl methacrylate	7.65	41	6961	1.880	ug/l #	10
49) 1,4-Dioxane	7.85	88	290	3.233	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	88769	19.310	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	47225	8.347	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	27942	4.634	ug/l #	43
59) 2-Hexanone	9.52	43	339584	95.298	ug/l #	46
74) N-amyl acetate	10.80	43	1106	0.201	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	105371	23.430	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	105371	67.731	ug/l #	12

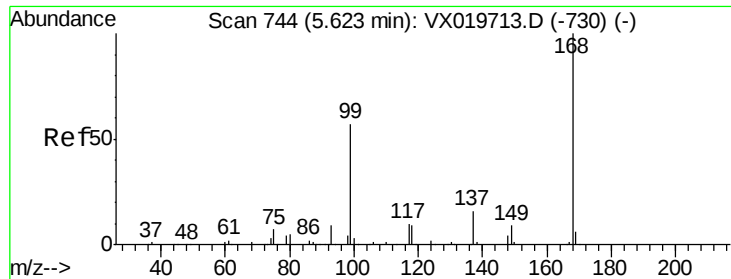
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019974.D

Acq: 13 Dec 2020 08:18

Instrument :

MSVOA_X

ClientSampleId :

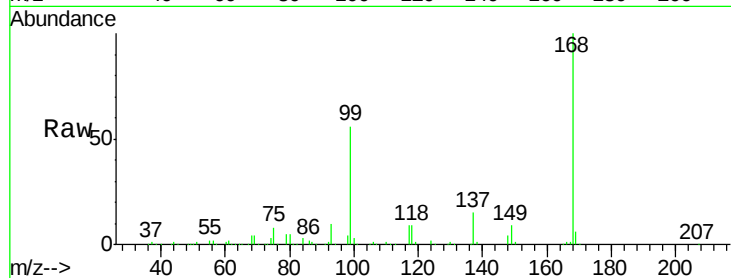
JBD-WC-SB-03

Tgt Ion:168 Resp: 308461

Ion Ratio Lower Upper

168 100

99 55.7 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

120000

100000

80000

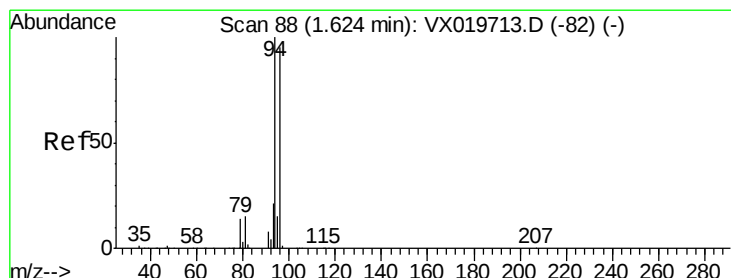
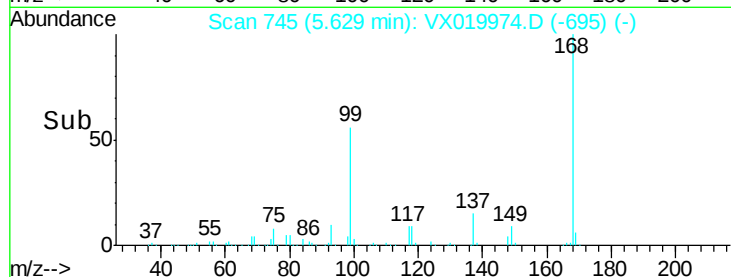
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.267 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019974.D

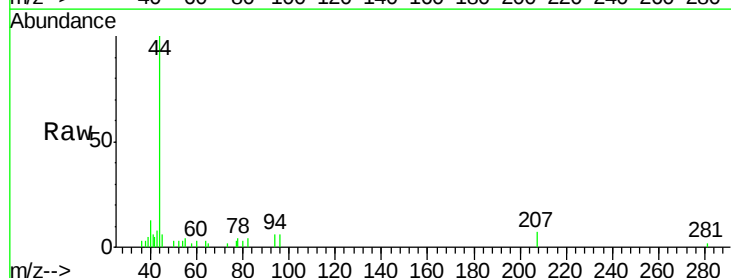
Acq: 13 Dec 2020 08:18

Tgt Ion: 94 Resp: 310

Ion Ratio Lower Upper

94 100

96 94.0 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

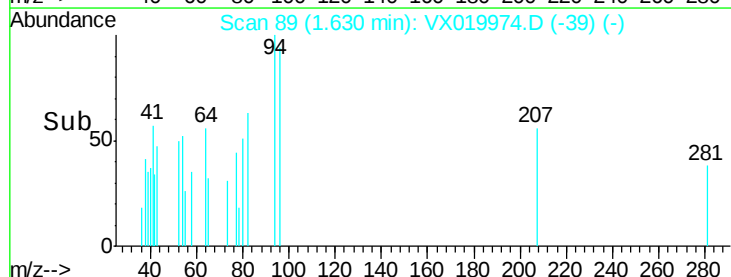
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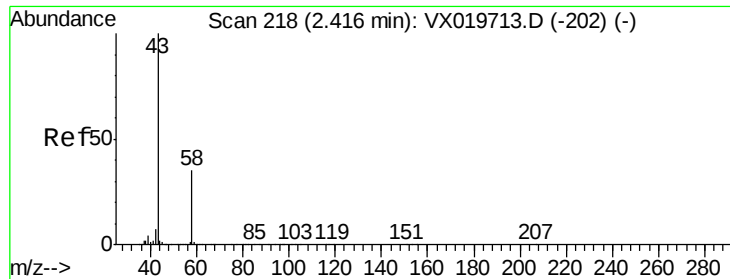
100

50

0

Time-->





#16

Acetone

Concen: 9.460 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

Instrument :

MSVOA_X

ClientSampleId :

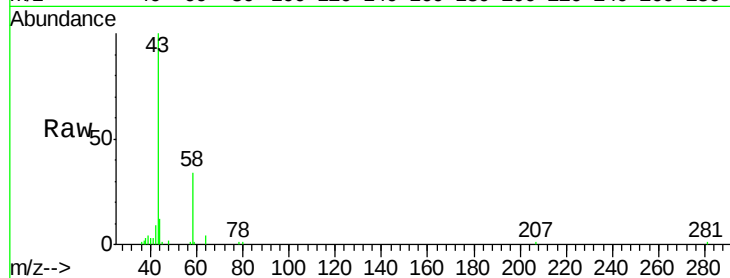
JBD-WC-SB-03

Tgt Ion: 43 Resp: 14416

Ion Ratio Lower Upper

43 100

58 34.5 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

10000

8000

6000

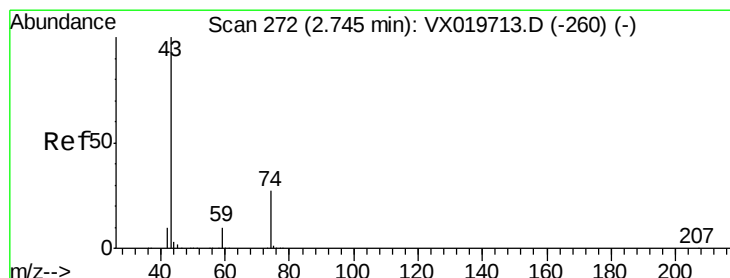
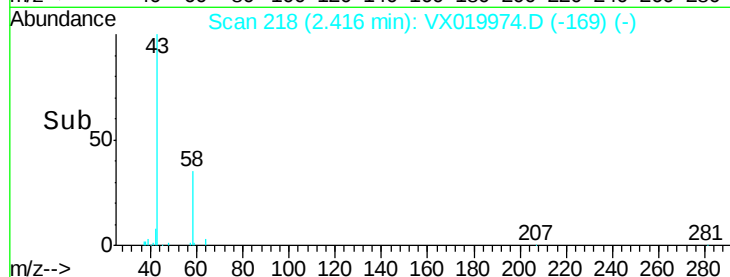
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 0.601 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019974.D

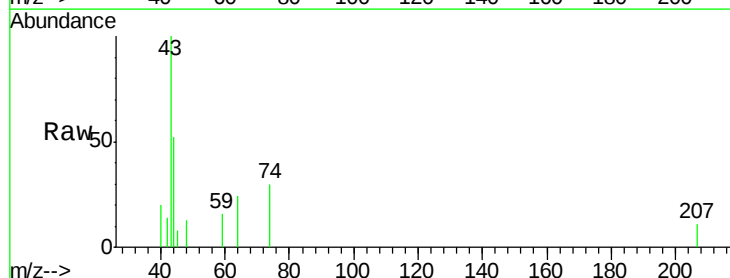
Acq: 13 Dec 2020 08:18

Tgt Ion: 43 Resp: 2241

Ion Ratio Lower Upper

43 100

74 30.2 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

1200

1000

800

600

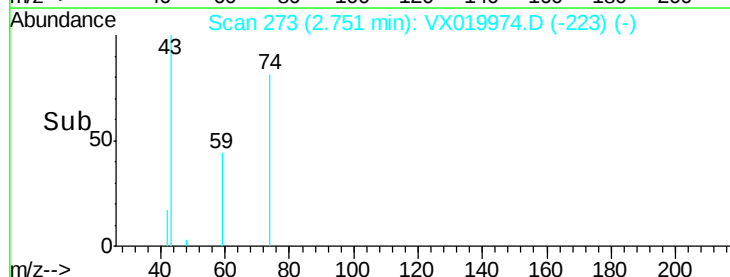
400

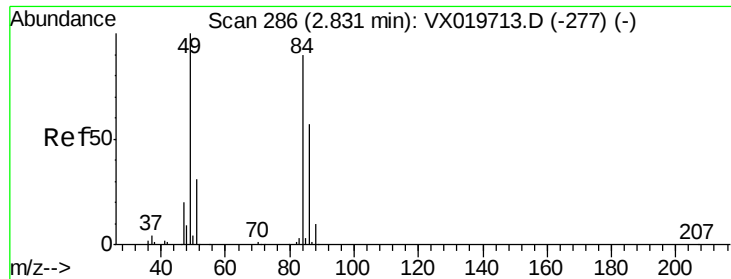
200

0

Time-->

2.70 2.75 2.80 2.85

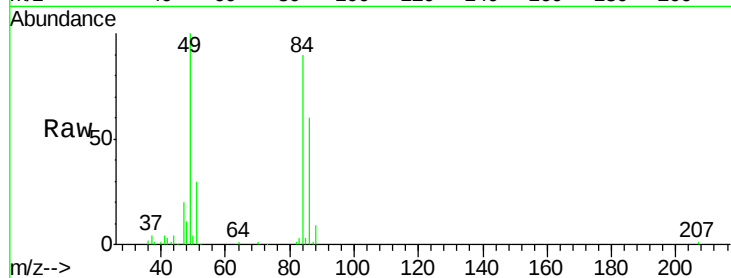




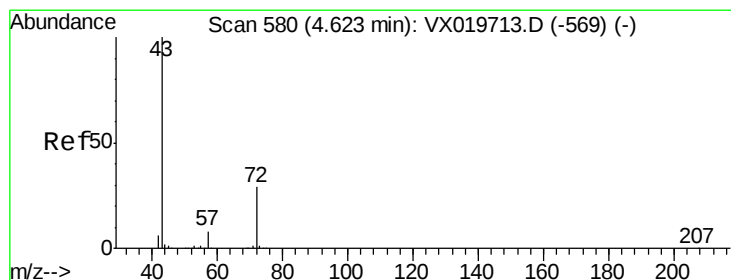
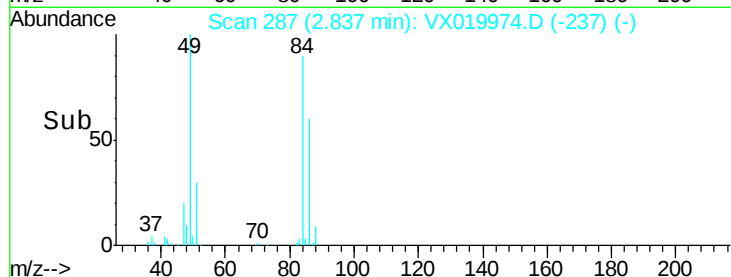
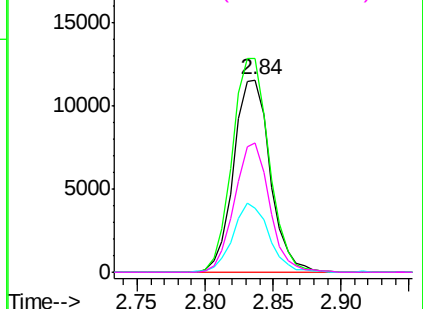
#20
Methylene Chloride
Concen: 4.954 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019974.D
Acq: 13 Dec 2020 08:18

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

Tgt Ion: 84 Resp: 21691
Ion Ratio Lower Upper
84 100
49 111.0 88.6 132.8
51 33.0 27.0 40.6
86 66.9 50.3 75.5

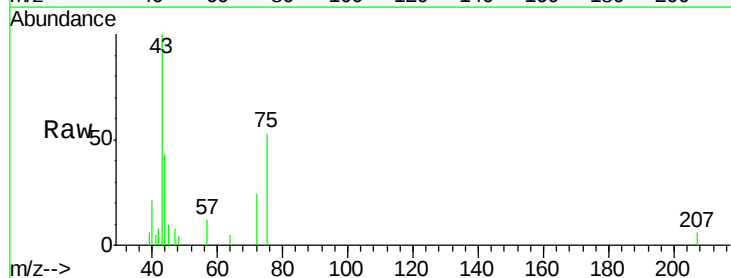


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

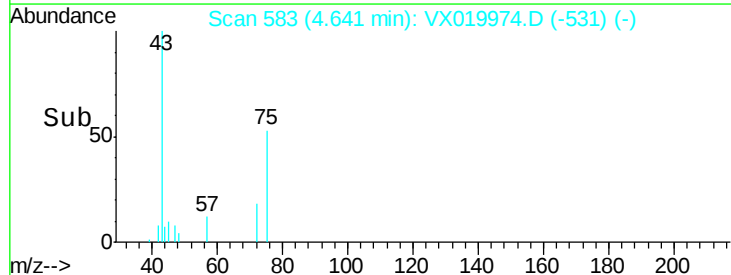
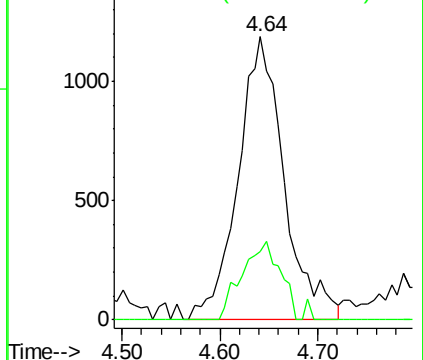


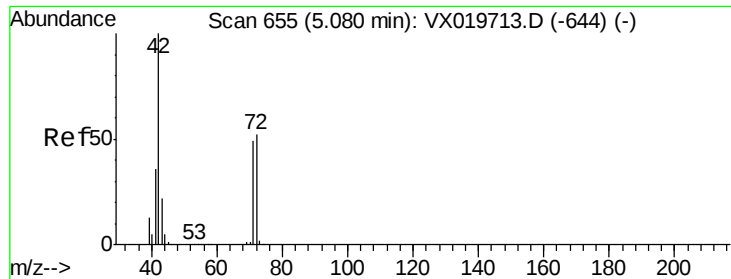
#25
2-Butanone
Concen: 1.666 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019974.D
Acq: 13 Dec 2020 08:18

Tgt Ion: 43 Resp: 3900
Ion Ratio Lower Upper
43 100
72 24.3 23.7 35.5



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

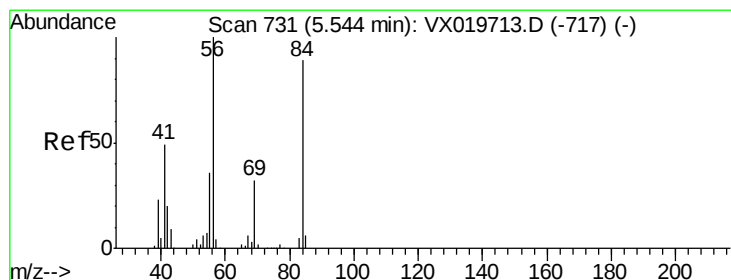
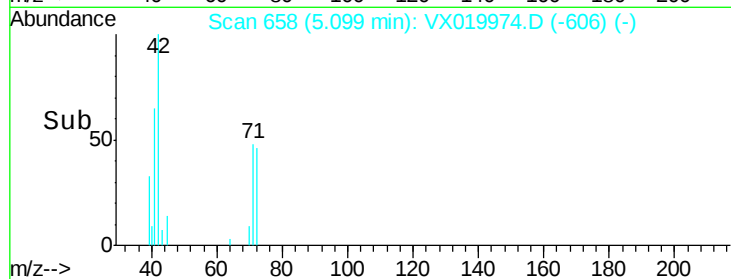
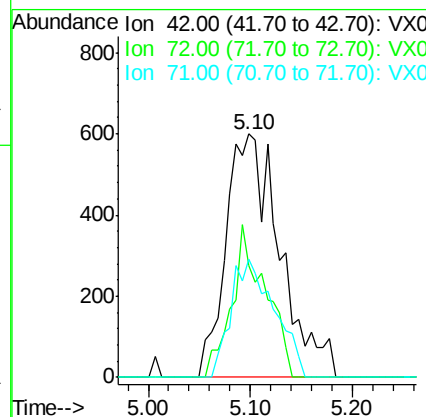
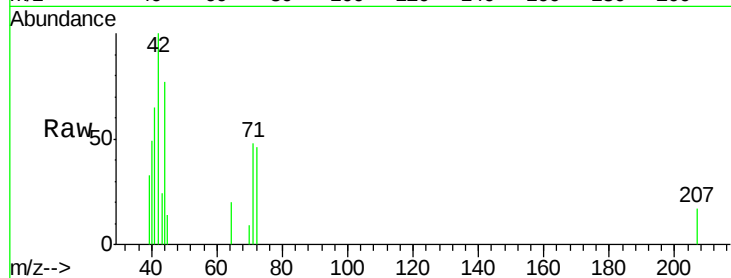




#29
Tetrahydrofuran
Concen: 1.464 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX019974.D
Acq: 13 Dec 2020 08:18

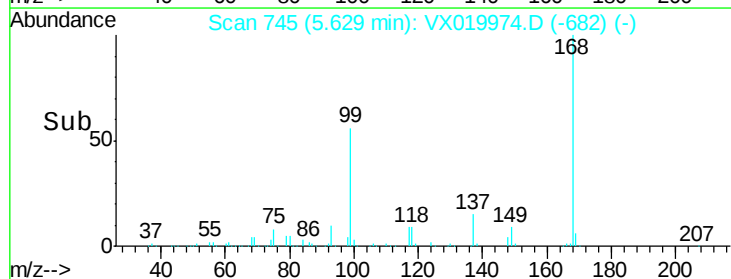
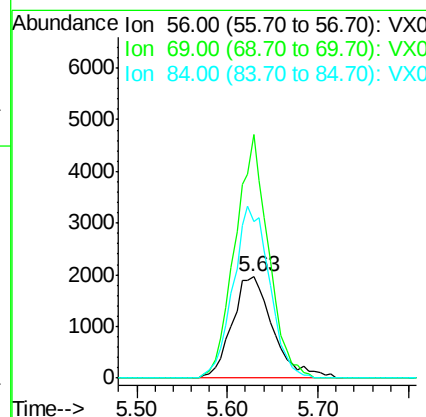
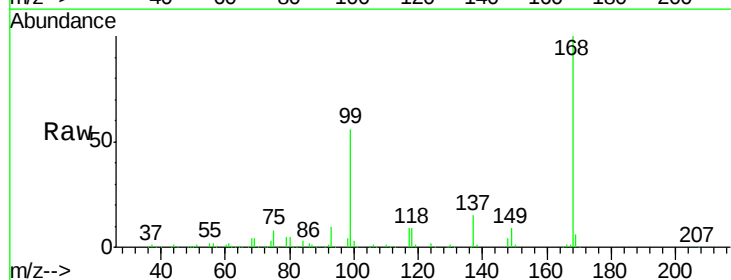
Instrument :
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ClientSampleId :
JBD-WC-SB-03

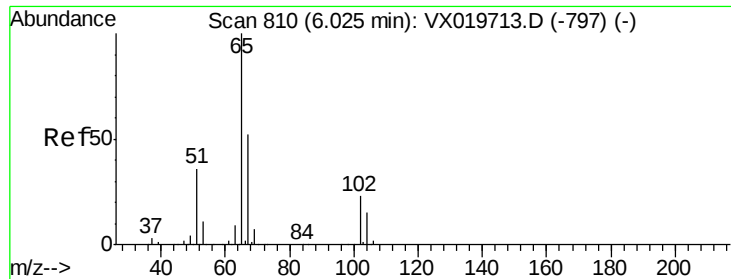
Tgt Ion: 42 Resp: 2208
Ion Ratio Lower Upper
42 100
72 39.1 41.7 62.5#
71 39.0 38.4 57.6



#31
Cyclohexane
Concen: 1.218 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019974.D
Acq: 13 Dec 2020 08:18

Tgt Ion: 56 Resp: 6142
Ion Ratio Lower Upper
56 100
69 240.0 25.3 37.9#
84 154.5 71.4 107.0#

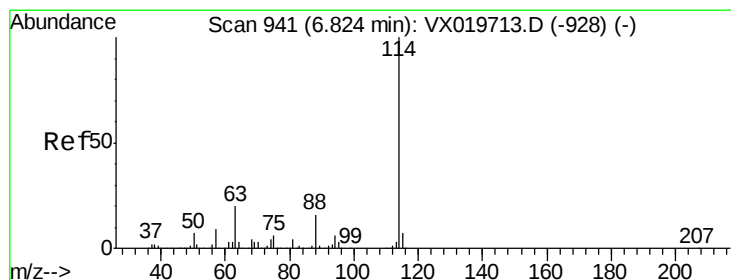
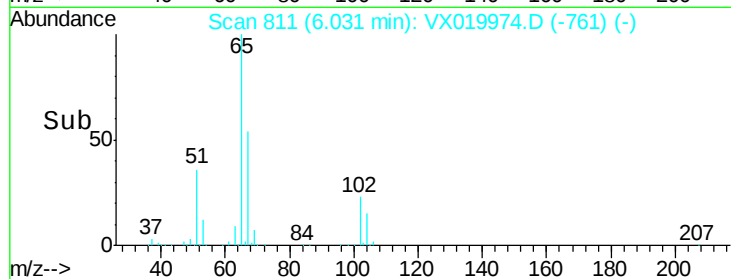
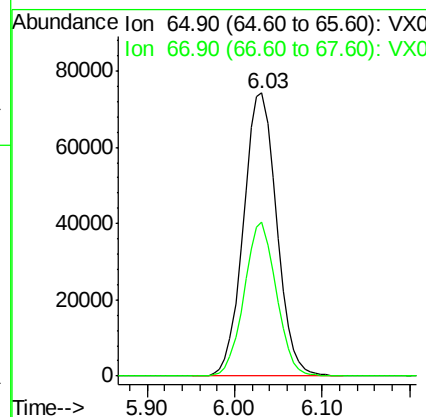
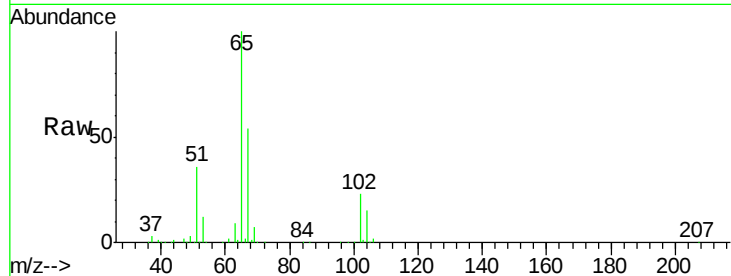




#33
 1,2-Dichloroethane-d4
 Concen: 48.429 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019974.D
 Acq: 13 Dec 2020 08:18

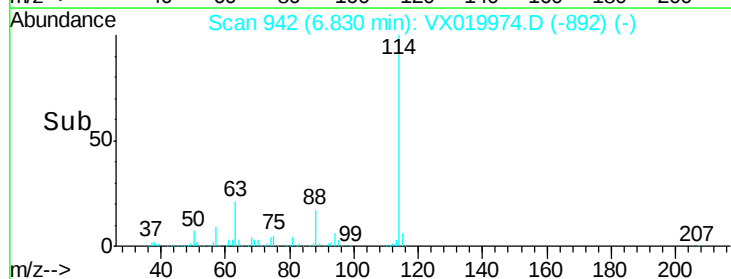
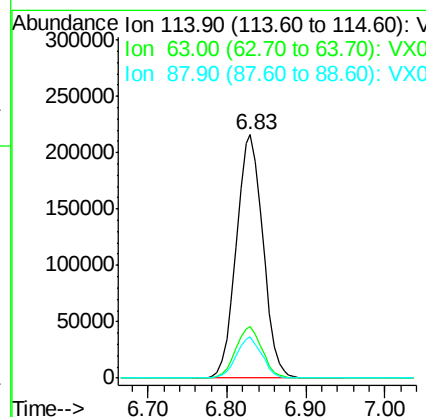
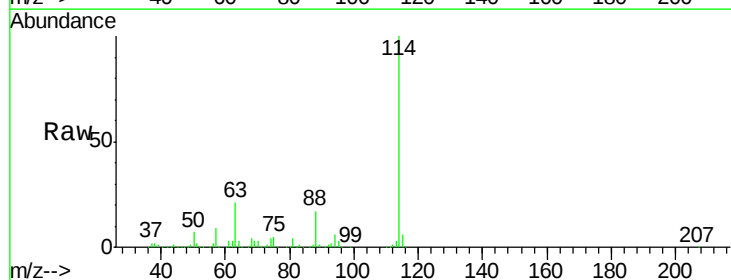
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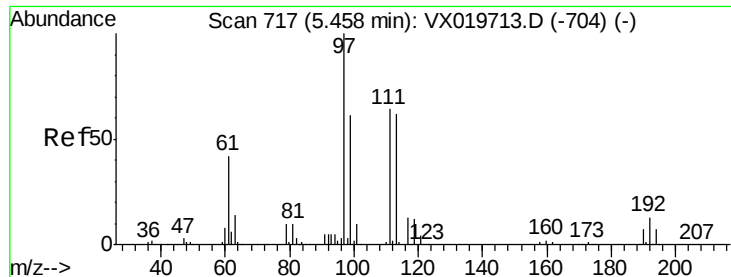
Tgt Ion: 65 Resp: 196334
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019974.D
 Acq: 13 Dec 2020 08:18

Tgt Ion: 114 Resp: 507623
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 16.8 0.0 32.8

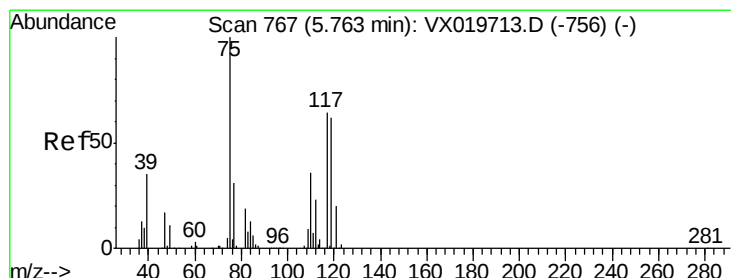
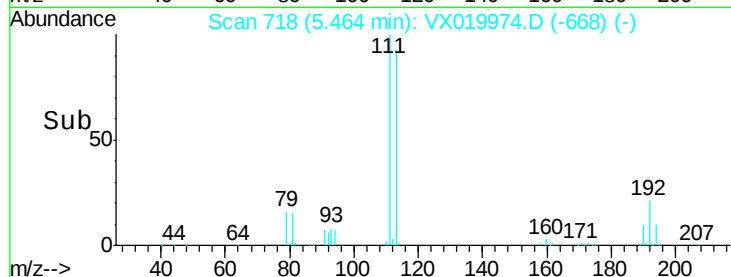
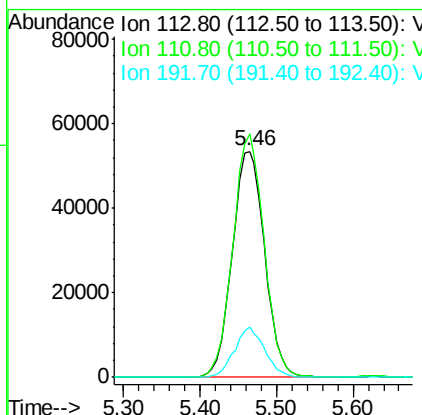
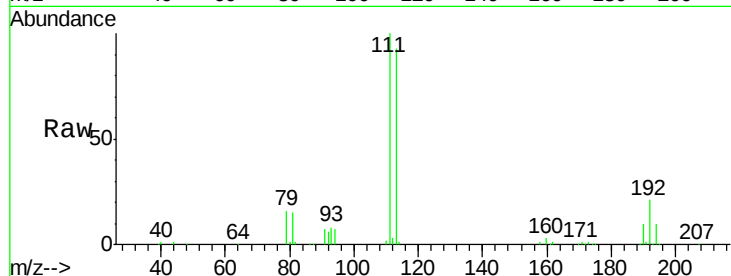




#35
 Dibromofluoromethane
 Concen: 47.834 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019974.D
 Acq: 13 Dec 2020 08:18

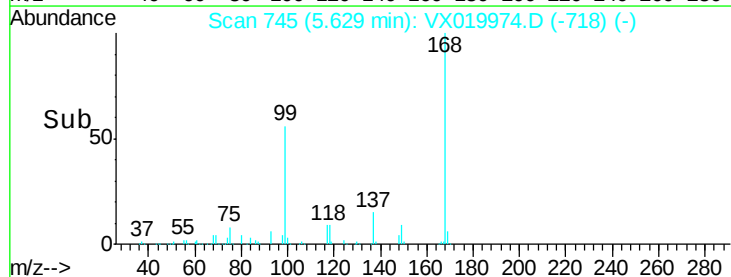
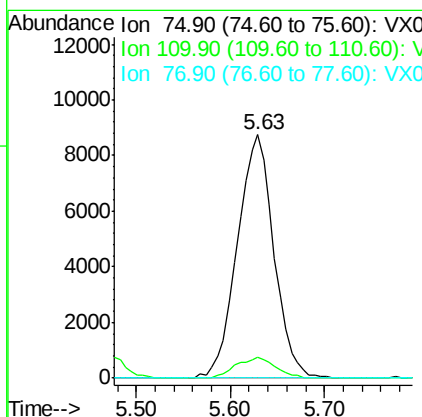
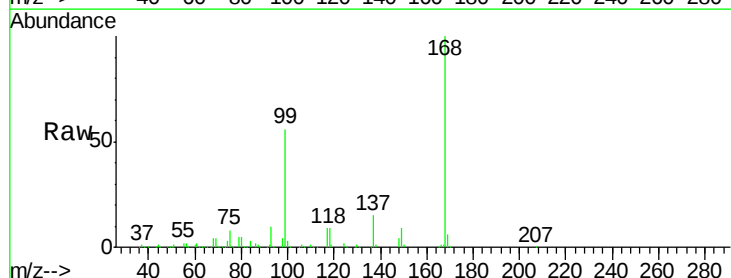
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 JBD-WC-SB-03

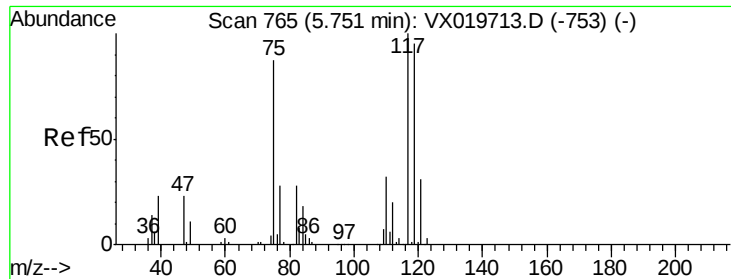
Tgt Ion:113 Resp: 156930
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.9 122.9
 192 20.6 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.163 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019974.D
 Acq: 13 Dec 2020 08:18

Tgt Ion: 75 Resp: 23684
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.588 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

Instrument :

MSVOA_X

ClientSampled :

JBD-WC-SB-03

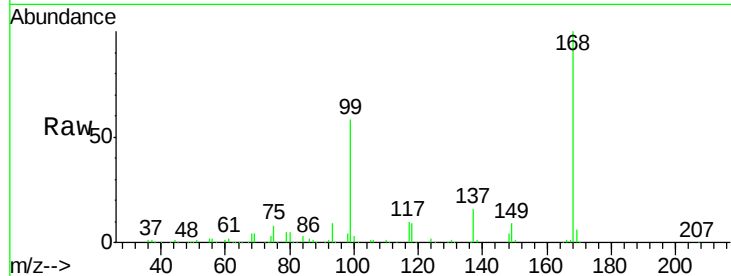
Tgt Ion:117 Resp: 29591

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

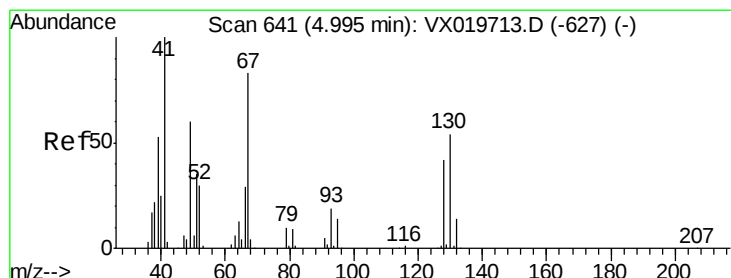
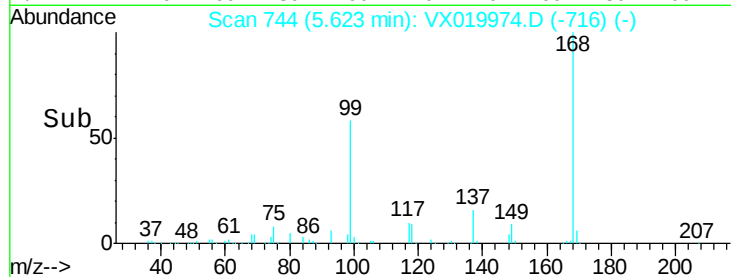
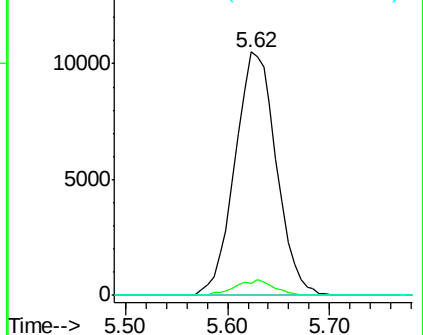
121 0.0 24.8 37.2#



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: 0.509 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.10 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

Tgt Ion: 41 Resp: 1294

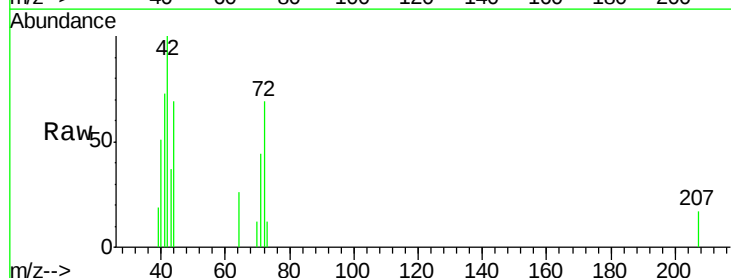
Ion Ratio Lower Upper

41 100

39 48.0 42.5 63.7

67 0.0 65.0 97.6#

52 0.0 25.3 37.9#

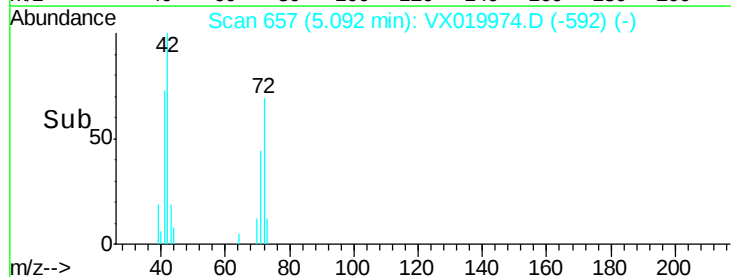
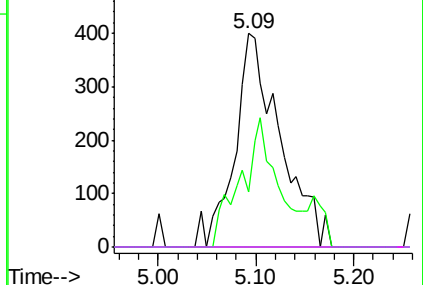


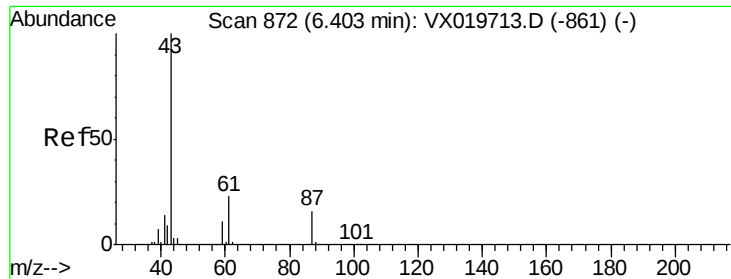
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 3.528 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

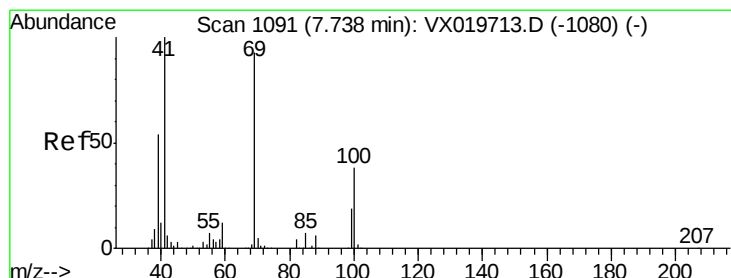
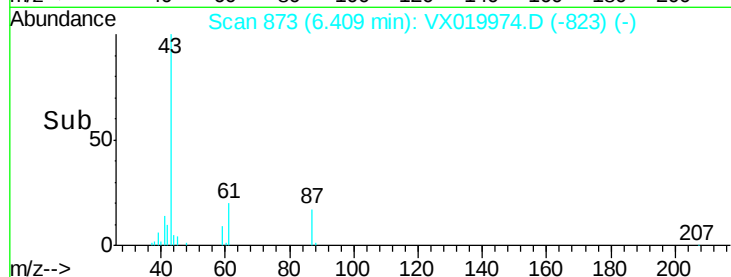
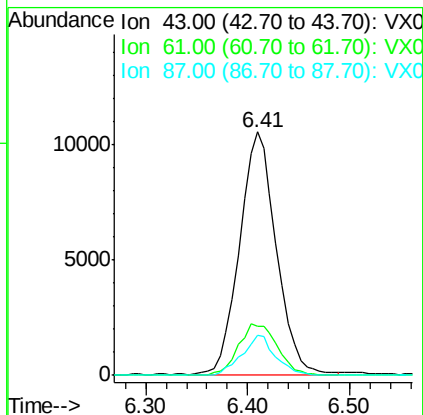
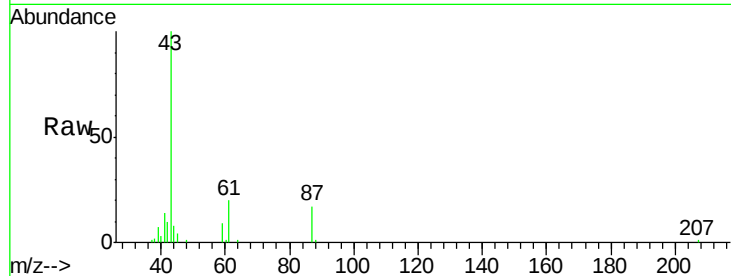
Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

Tgt Ion:	43	Resp:	26564
Ion	Ratio	Lower	Upper
43	100		
61	22.1	18.2	27.4
87	14.9	12.5	18.7



#48

Methyl methacrylate

Concen: 1.880 ug/l

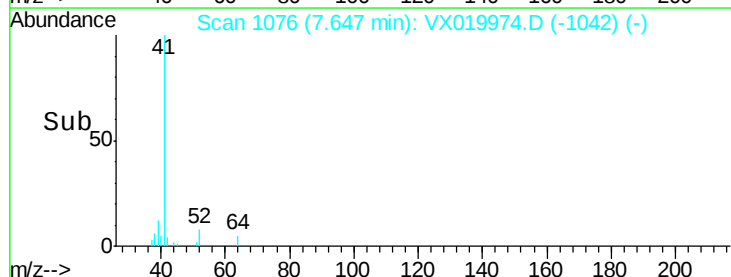
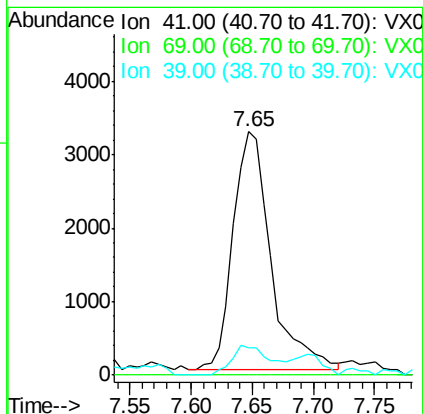
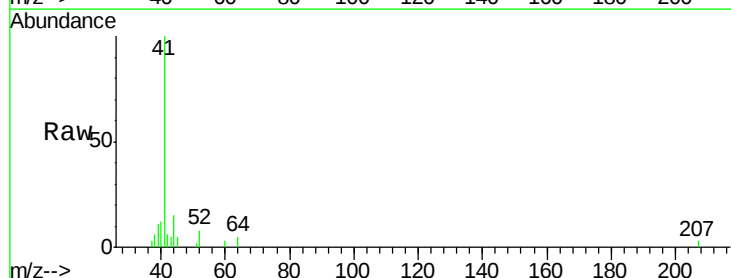
RT: 7.65 min Scan# 1076

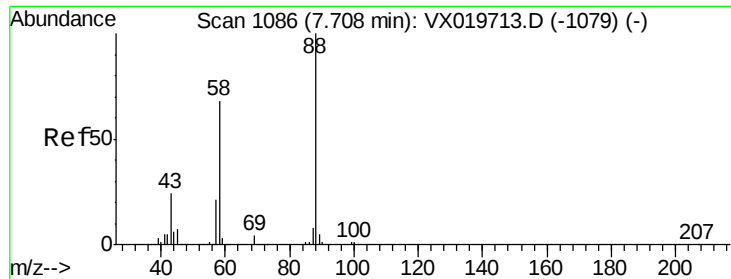
Delta R.T. -0.09 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

Tgt Ion:	41	Resp:	6961
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

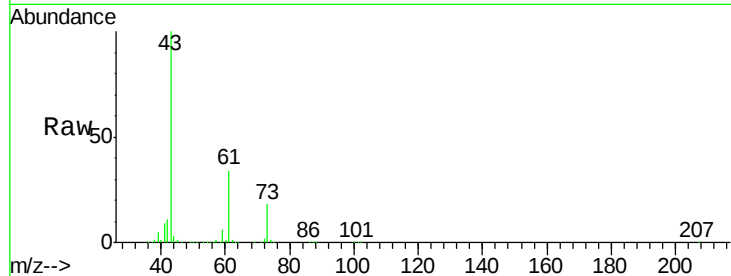




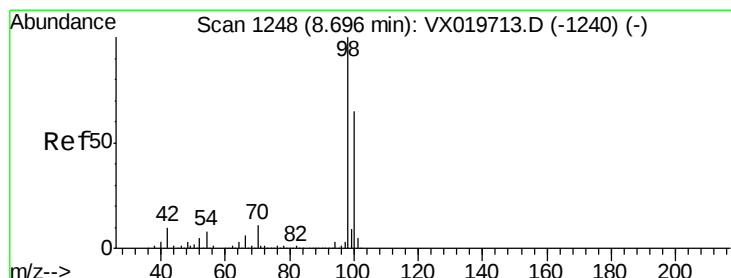
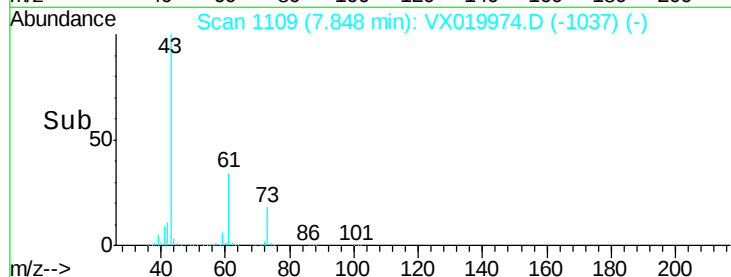
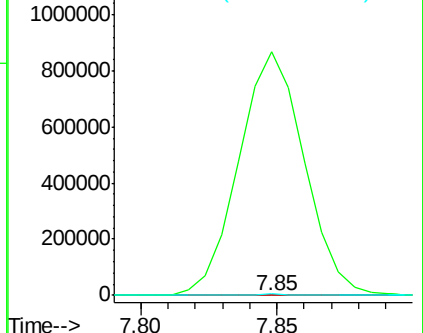
#49
1,4-Dioxane
Concen: 3.233 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX019974.D
Acq: 13 Dec 2020 08:18

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

Tgt Ion: 88 Resp: 290
Ion Ratio Lower Upper
88 100
43 500880.3 23.2 34.8#
58 2556.6 55.0 82.4#

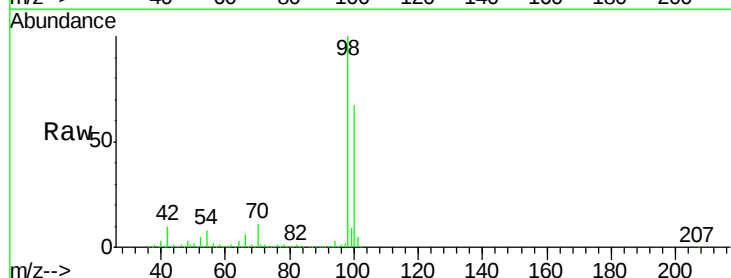


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

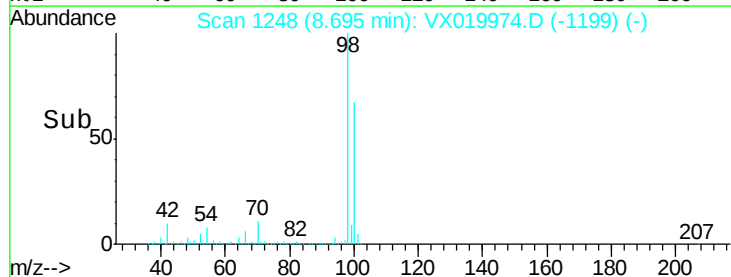
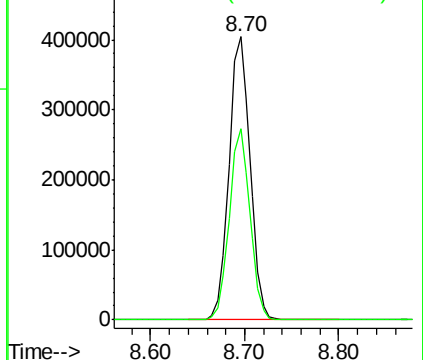


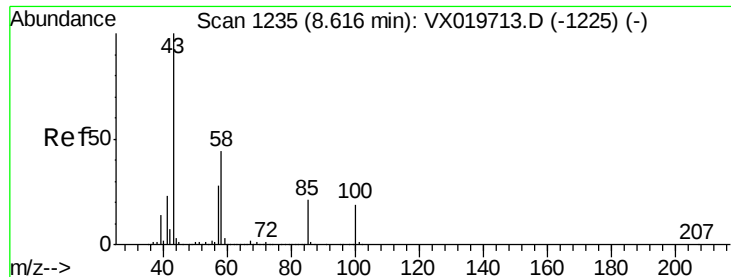
#50
Toluene-d8
Concen: 50.101 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019974.D
Acq: 13 Dec 2020 08:18

Tgt Ion: 98 Resp: 627502
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



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

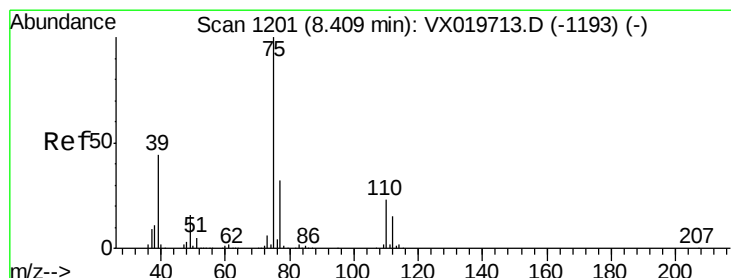
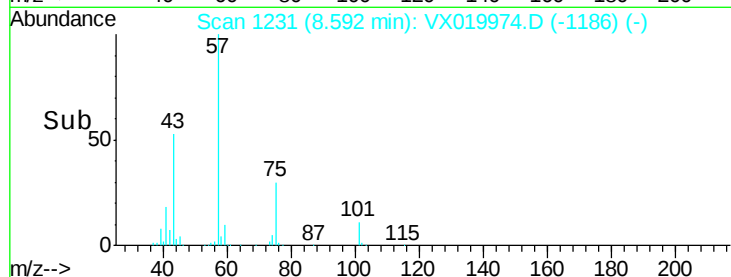
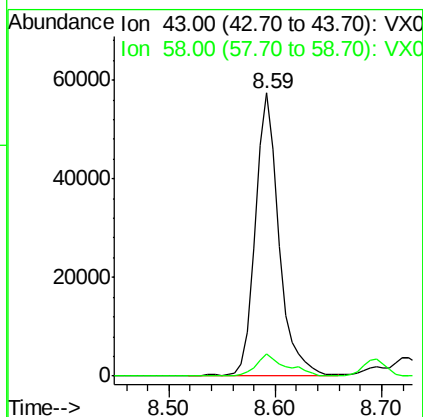
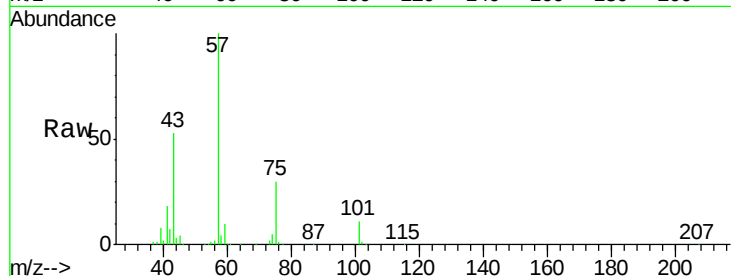




#51
 4-Methyl-2-Pentanone
 Concen: 19.310 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VX019974.D
 Acq: 13 Dec 2020 08:18

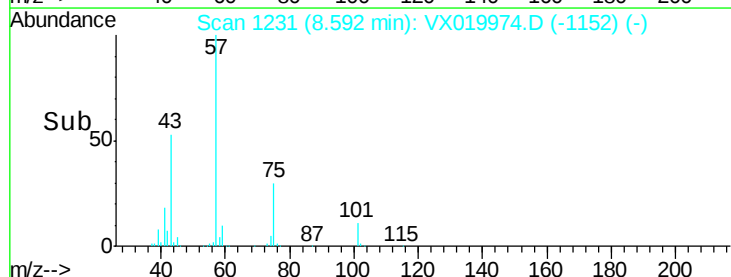
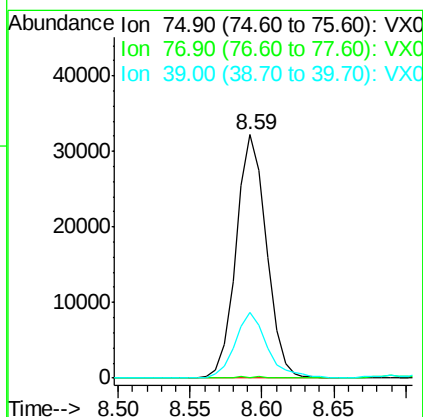
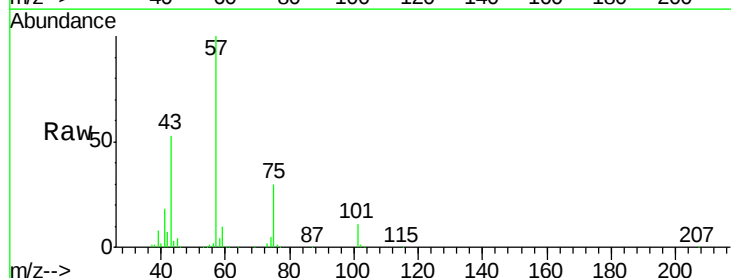
Instrument :
 MSVOA_X
 ClientSampleId :
 JBD-WC-SB-03

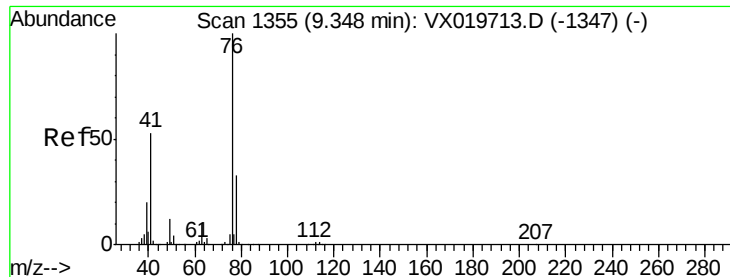
Tgt Ion: 43 Resp: 88769
 Ion Ratio Lower Upper
 43 100
 58 9.9 35.4 53.0#



#54
 cis-1,3-Dichloropropene
 Concen: 8.347 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019974.D
 Acq: 13 Dec 2020 08:18

Tgt Ion: 75 Resp: 47225
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.7 38.5#
 39 27.0 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 4.634 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.18 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

Instrument :

MSVOA_X

ClientSampleId :

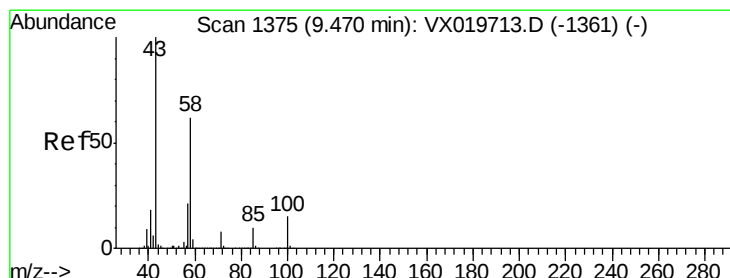
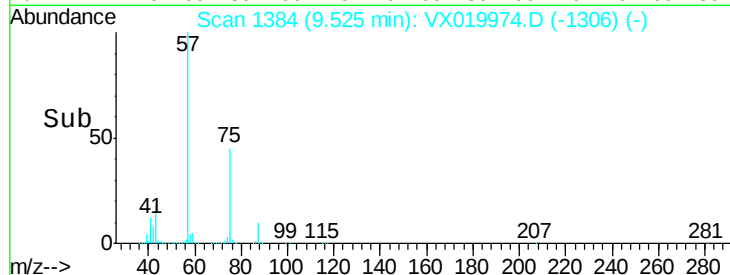
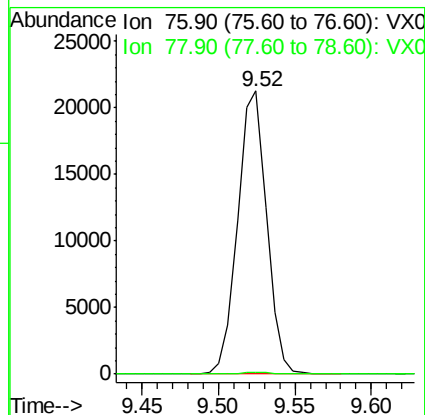
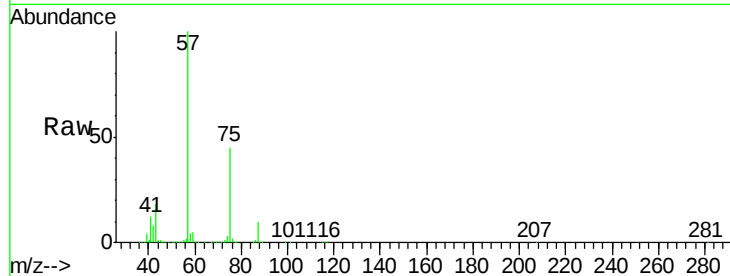
JBD-WC-SB-03

Tgt Ion: 76 Resp: 27942

Ion Ratio Lower Upper

76 100

78 0.5 26.2 39.2#



#59

2-Hexanone

Concen: 95.298 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX019974.D

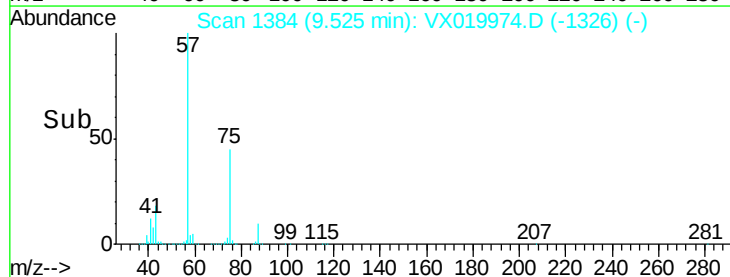
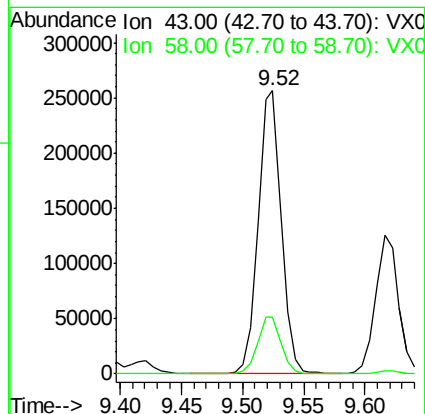
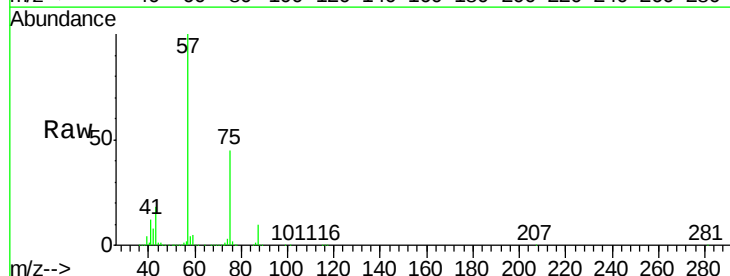
Acq: 13 Dec 2020 08:18

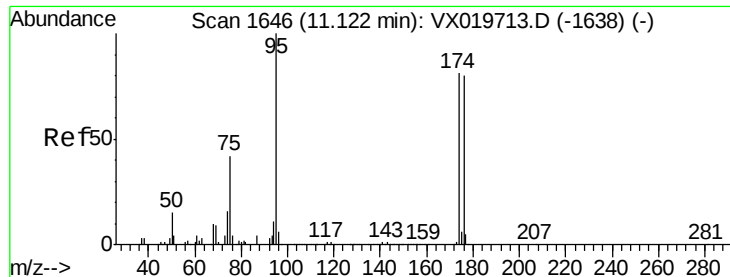
Tgt Ion: 43 Resp: 339584

Ion Ratio Lower Upper

43 100

58 20.5 30.9 92.8#





#62

4-Bromofluorobenzene

Concen: 45.474 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

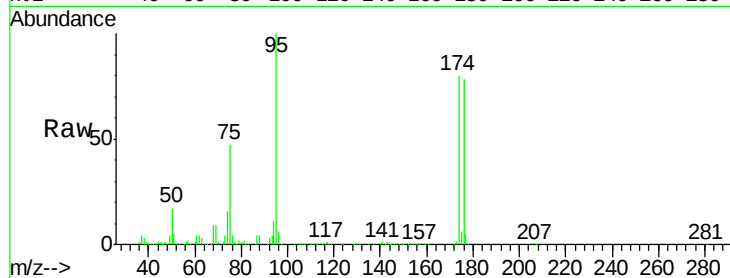
Tgt Ion: 95 Resp: 216781

Ion Ratio Lower Upper

95 100

174 78.1 0.0 154.6

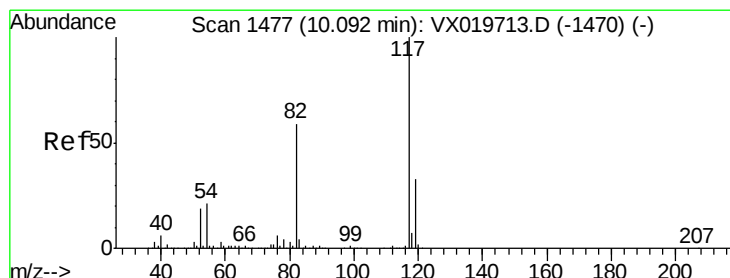
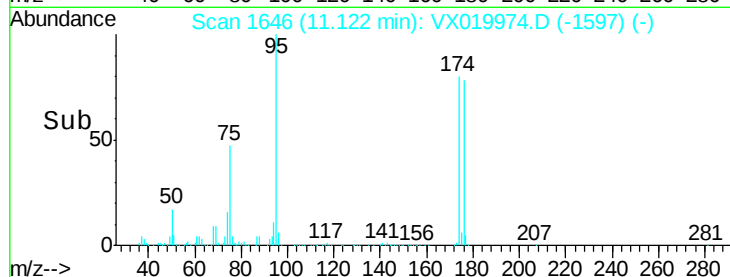
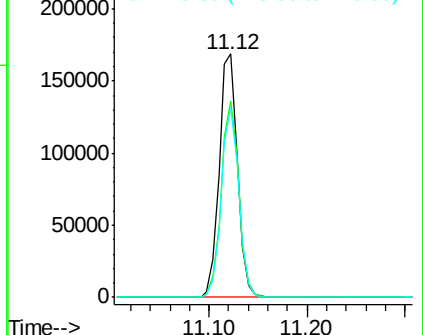
176 75.2 0.0 155.8



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: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

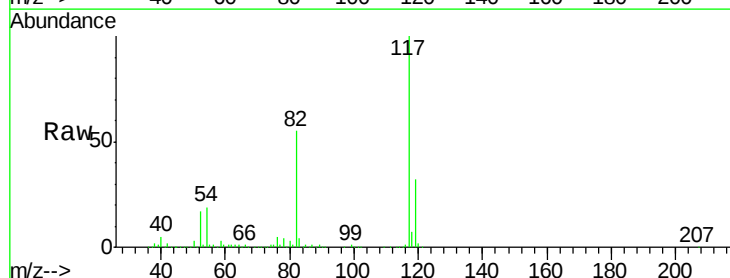
Tgt Ion: 117 Resp: 472509

Ion Ratio Lower Upper

117 100

82 55.2 47.4 71.2

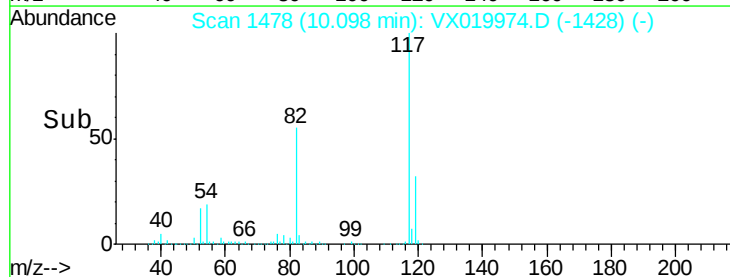
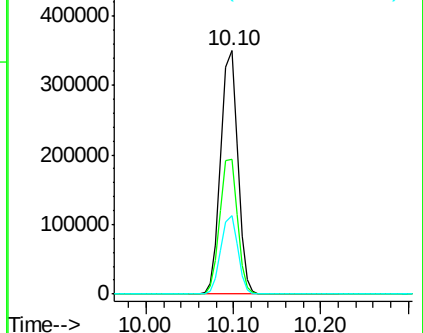
119 32.3 26.6 39.8

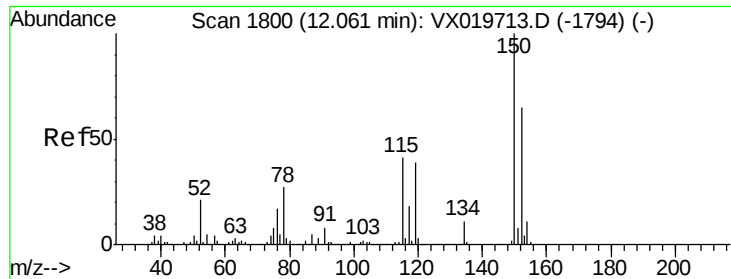


Abundance Ion 116.90 (116.60 to 117.60): VX0

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: VX019974.D

Acq: 13 Dec 2020 08:18

Instrument :

MSVOA_X

ClientSampleId :

JBD-WC-SB-03

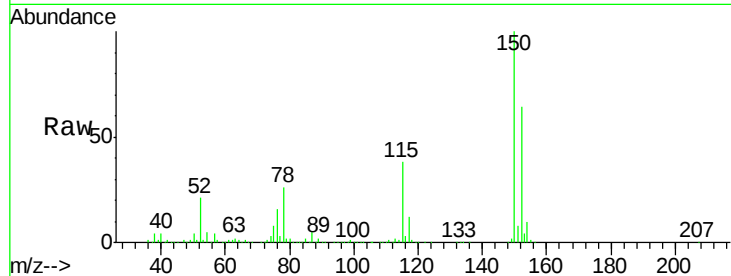
Tgt Ion:152 Resp: 200521

Ion Ratio Lower Upper

152 100

115 58.7 41.1 123.3

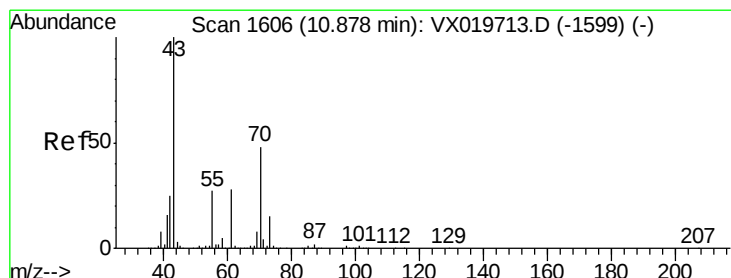
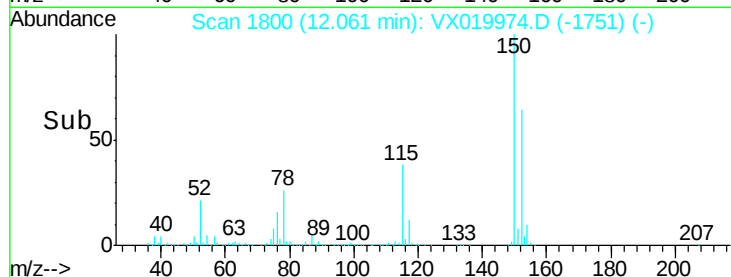
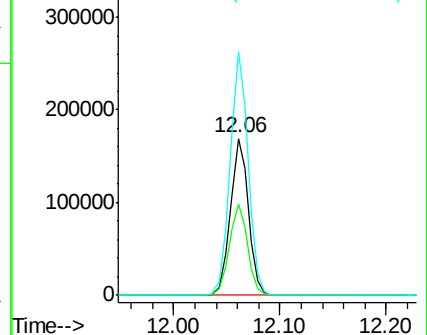
150 156.1 0.0 349.0



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



#74

N-ethyl acetate

Concen: 0.201 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

Tgt Ion: 43 Resp: 1106

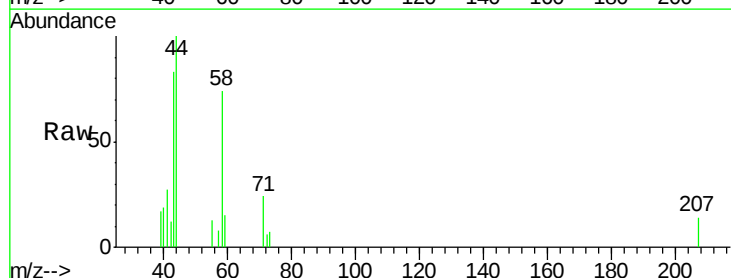
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.6#

55 11.9 21.5 32.3#

61 0.0 22.1 33.1#

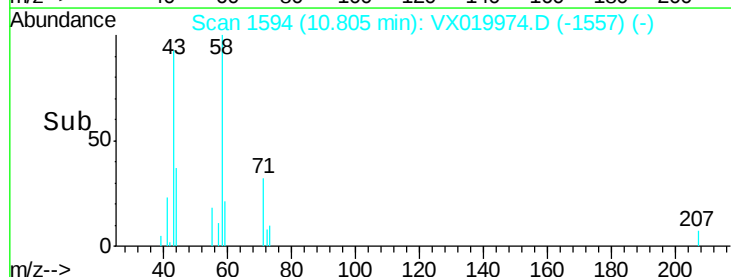
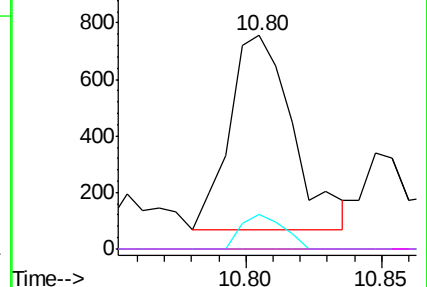


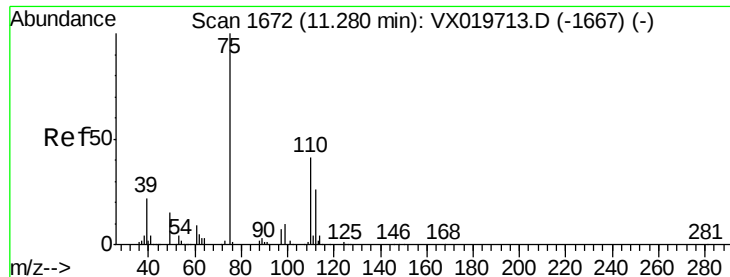
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.430 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

Instrument :

MSVOA_X

ClientSampleId :

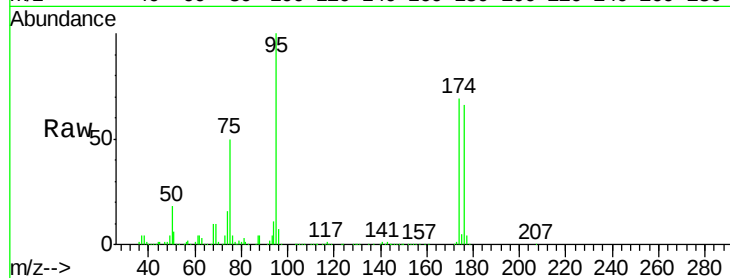
JBD-WC-SB-03

Tgt Ion: 75 Resp: 105371

Ion Ratio Lower Upper

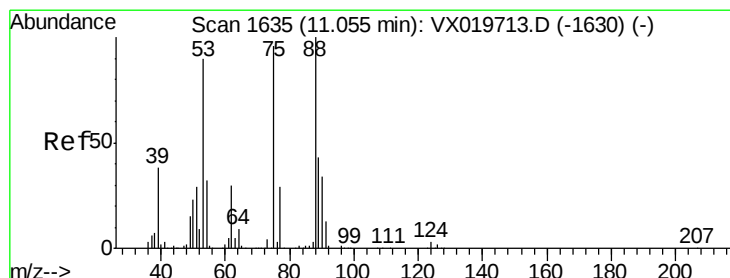
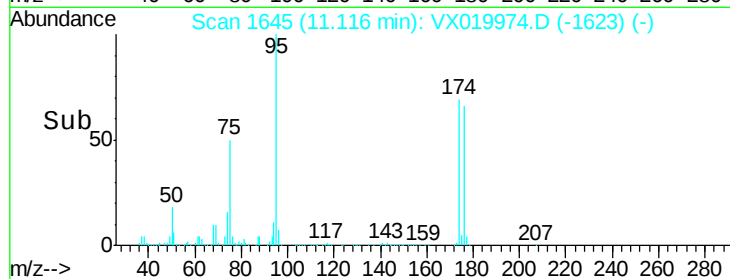
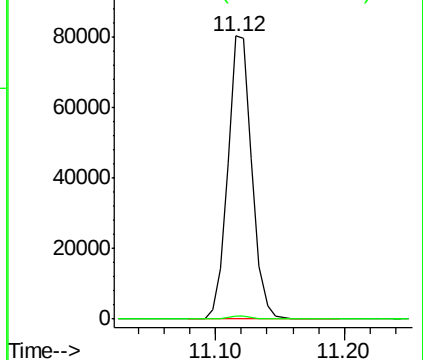
75 100

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: 67.731 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019974.D

Acq: 13 Dec 2020 08:18

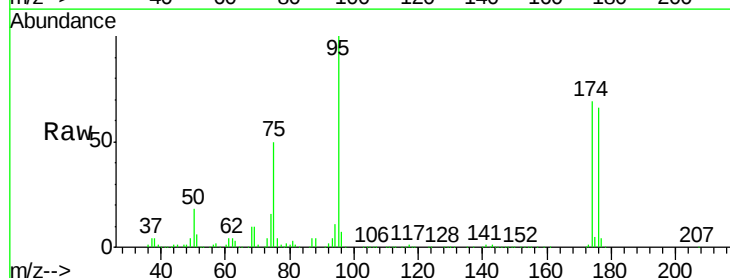
Tgt Ion: 75 Resp: 105371

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#



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

