

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110620\
 Data File : VN064490.D
 Acq On : 6 Nov 2020 18:03
 Operator : JC/MD
 Sample : L4625-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-3B

Quant Time: Nov 07 03:50:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	246206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	517521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	553244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	196342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	239137	55.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.52%	
35) Dibromofluoromethane	7.55	113	175997	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.06	98	675882	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.38	95	256490	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds

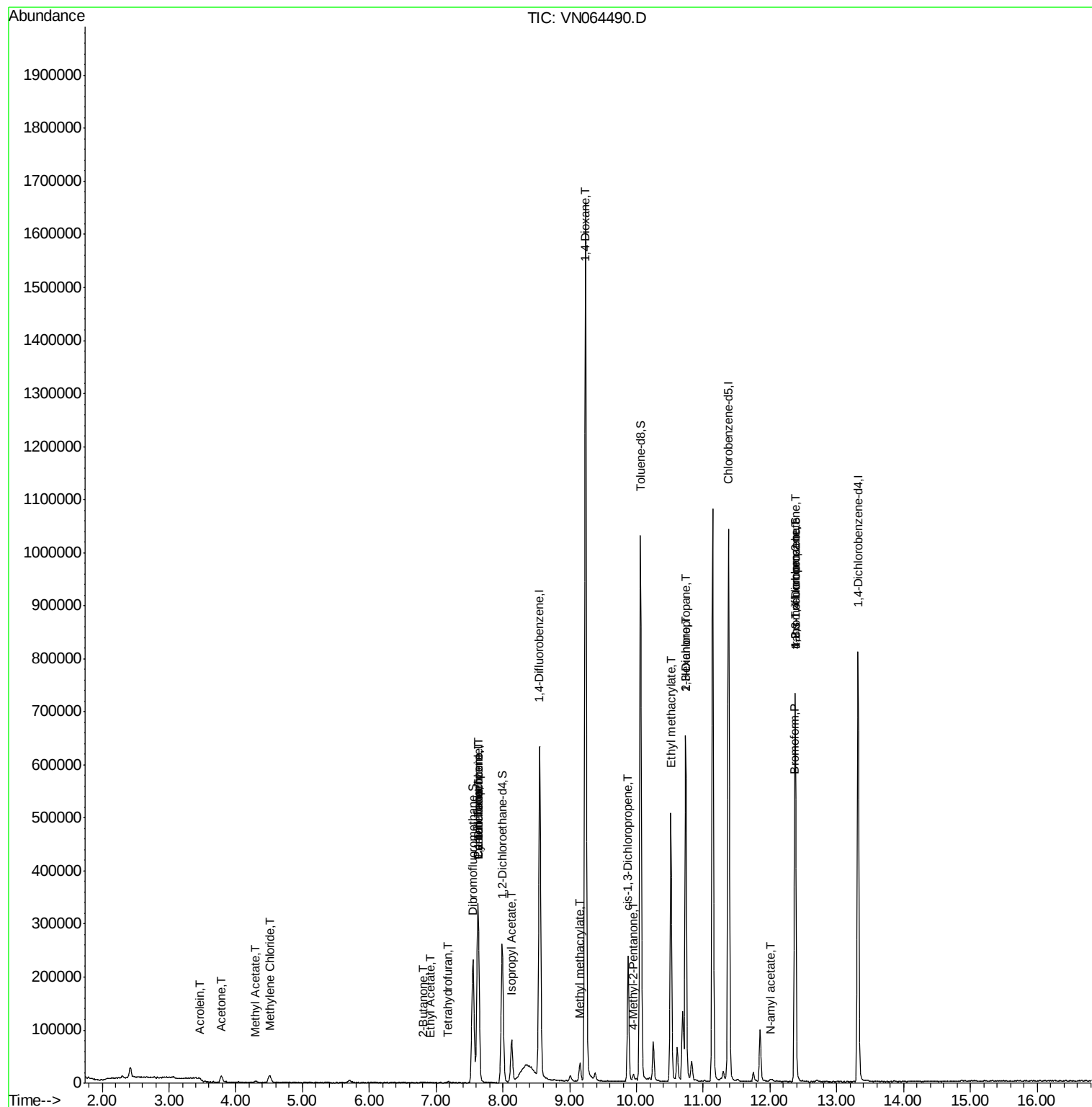
					Qvalue	
13) Acrolein	3.48	56	139	0.474	ug/l #	50
16) Acetone	3.78	43	21403	13.102	ug/l	98
18) Methyl Acetate	4.28	43	2132	0.664	ug/l #	78
20) Methylene Chloride	4.51	84	9581	2.956	ug/l	85
25) 2-Butanone	6.81	43	2581	1.240	ug/l	98
29) Tetrahydrofuran	7.17	42	733	0.574	ug/l #	40
31) Cyclohexane	7.63	56	6890	1.322	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	22762	4.163	ug/l #	49
37) Ethyl Acetate	6.92	43	347	0.824	ug/l #	71
38) Carbon Tetrachloride	7.63	117	27736	4.747	ug/l #	19
43) Isopropyl Acetate	8.13	43	93337	10.534	ug/l	99
48) Methyl methacrylate	9.15	41	5912	1.322	ug/l #	15
49) 1,4-Dioxane	9.22	88	29	0.492	ug/l #	21
51) 4-Methyl-2-Pentanone	9.95	43	9303	1.800	ug/l	92
54) cis-1,3-Dichloropropene	9.87	75	36773	5.347	ug/l #	70
56) Ethyl methacrylate	10.51	69	3252	2.339	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6152	0.922	ug/l #	42
59) 2-Hexanone	10.74	43	103970	28.307	ug/l #	52
71) Bromoform	12.36	173	54	1.291	ug/l #	1
74) N-amyl acetate	12.01	43	2426	1.527	ug/l #	48
76) 1,2,3-Trichloropropane	12.38	75	141578	29.761	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	141578	83.096	ug/l #	8

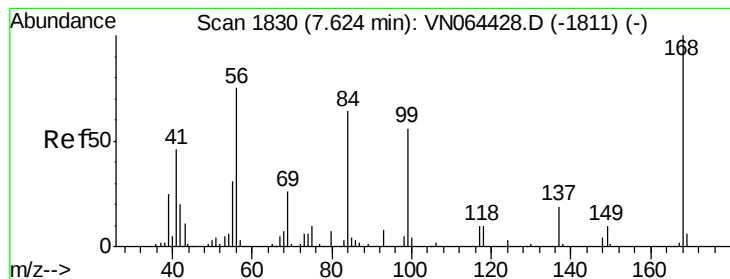
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 12:09:03 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

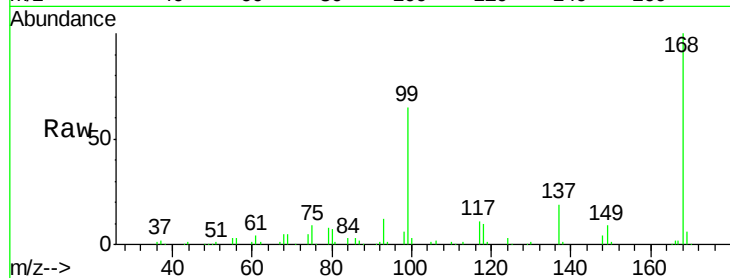
CONTAINER-002-3B

Tot Ion:168 Resp: 246206

Ion Ratio Lower Upper

168 100

99 65.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

120000

100000

80000

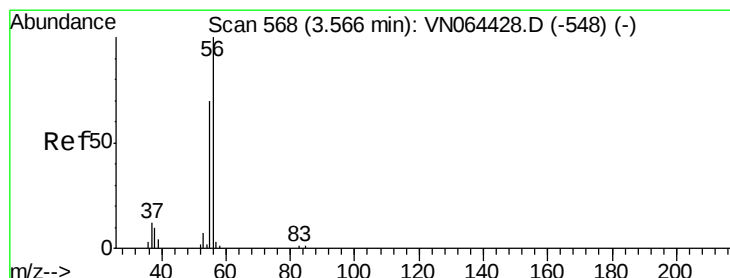
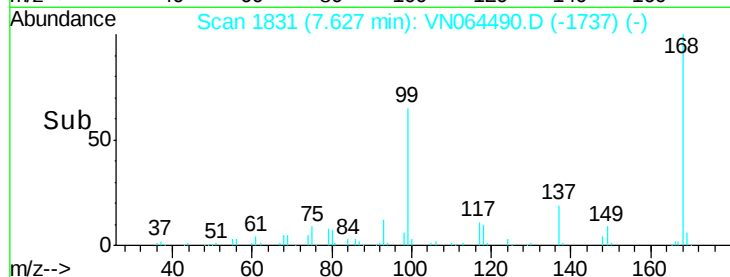
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.474 ug/l

RT: 3.48 min Scan# 540

Delta R.T. -0.09 min

Lab File: VN064490.D

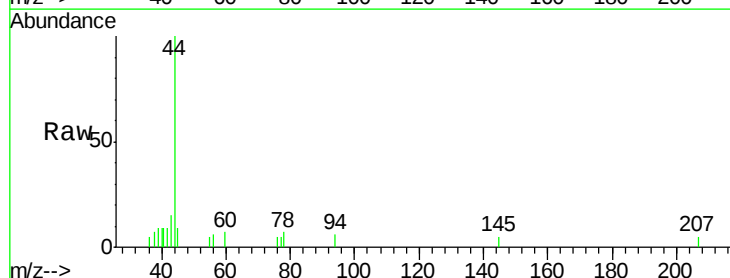
Acq: 6 Nov 2020 18:03

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 110.8 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)

3.48

250

200

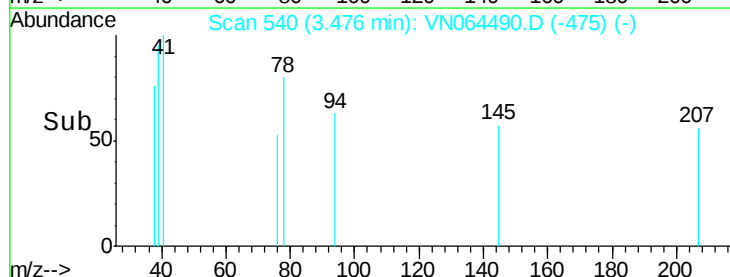
150

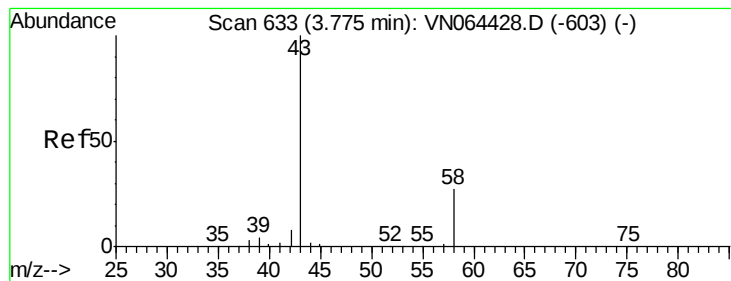
100

50

0

Time-->





#16

Acetone

Concen: 13.102 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

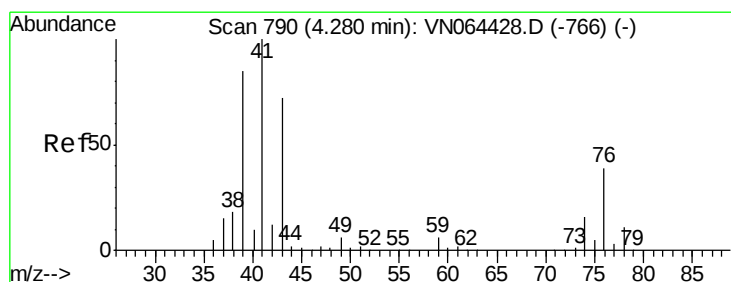
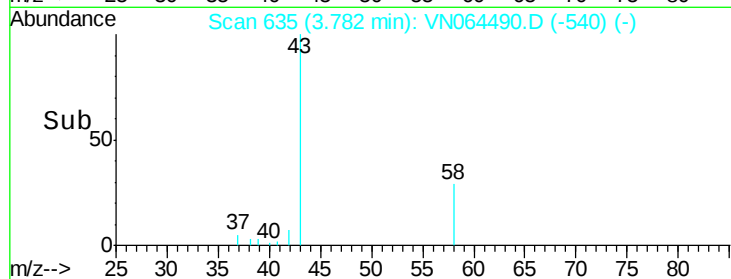
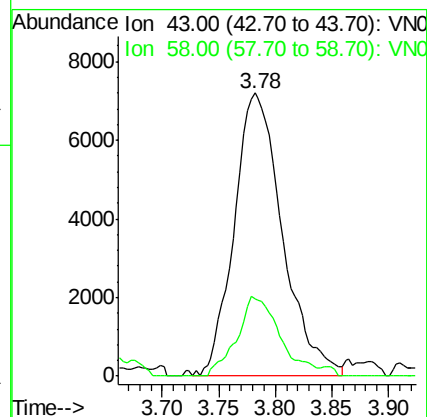
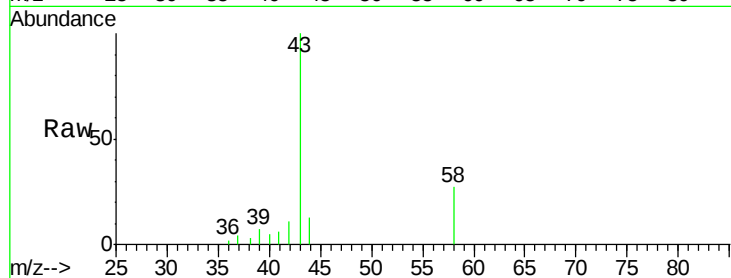
CONTAINER-002-3B

Tot Ion: 43 Resp: 21403

Ion Ratio Lower Upper

43 100

58 27.5 21.4 32.0



#18

Methyl Acetate

Concen: 0.664 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064490.D

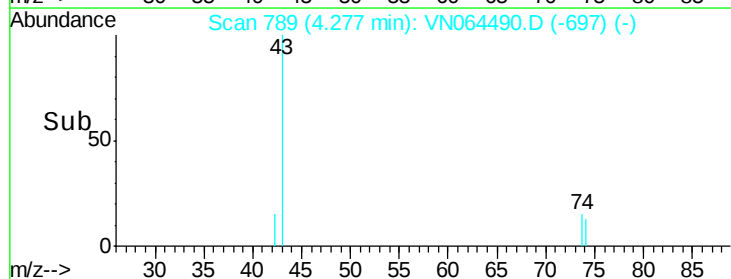
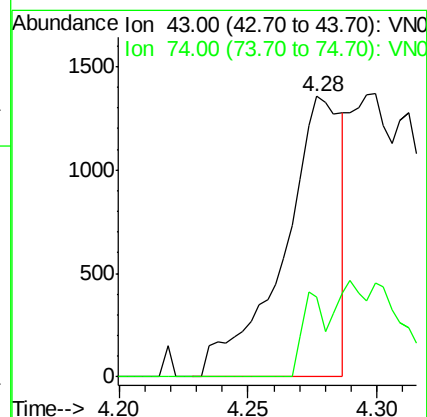
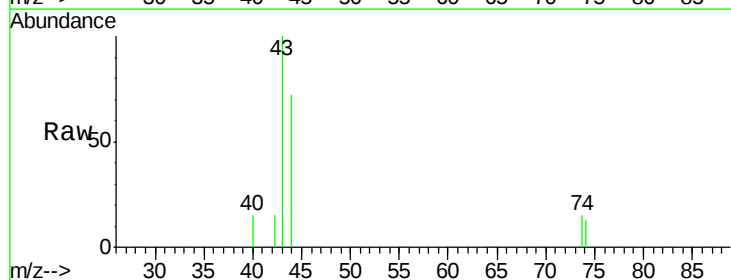
Acq: 6 Nov 2020 18:03

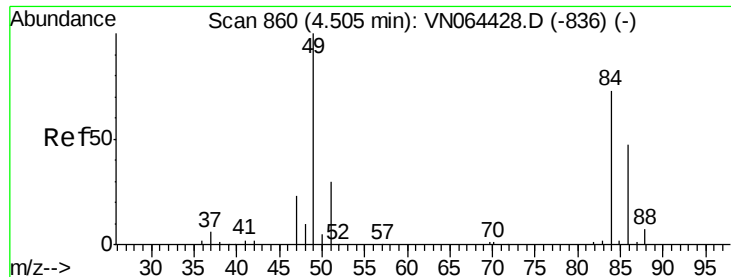
Tgt Ion: 43 Resp: 2132

Ion Ratio Lower Upper

43 100

74 10.9 17.0 25.4#

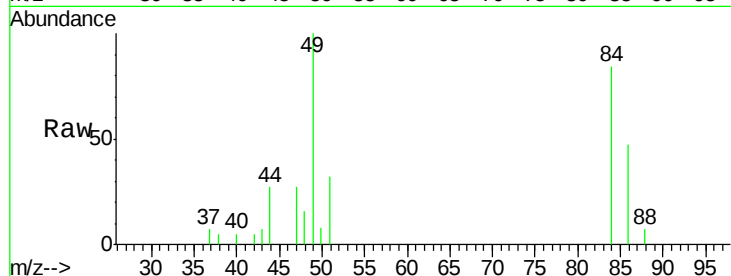




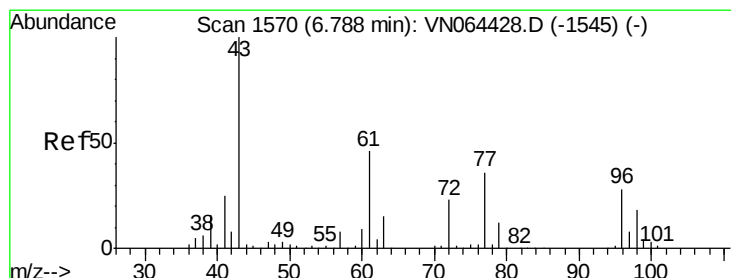
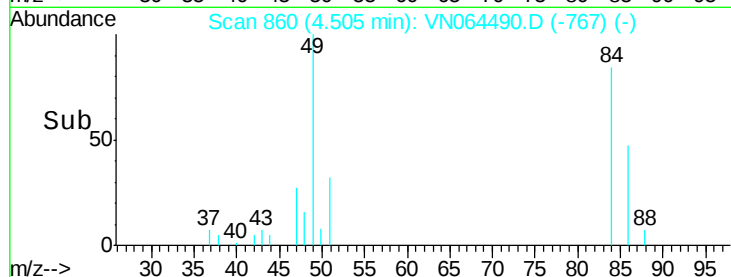
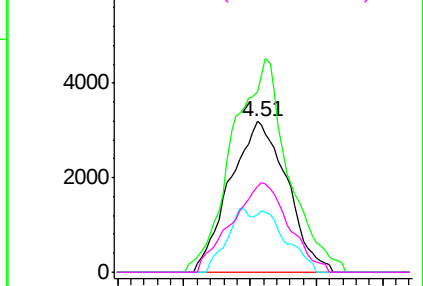
#20
Methvlene Chloride
Concen: 2.956 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064490.D
Acq: 6 Nov 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-3B

Tot Ion:	84	Resp:	9581
Ion	Ratio	Lower	Upper
84	100		
49	115.0	110.1	165.1
51	37.9	33.6	50.4
86	56.6	52.1	78.1

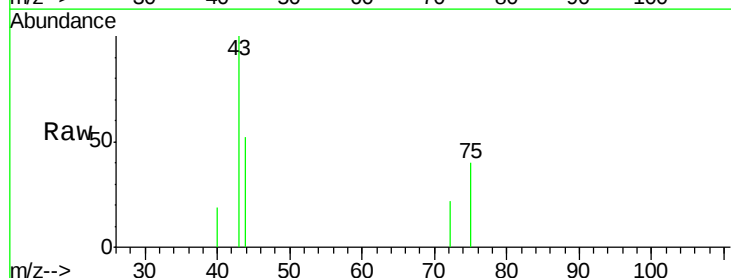


Abundance Ion 83.90 (83.60 to 84.60): VN0

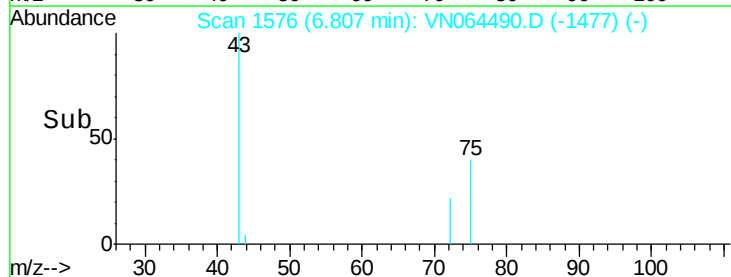
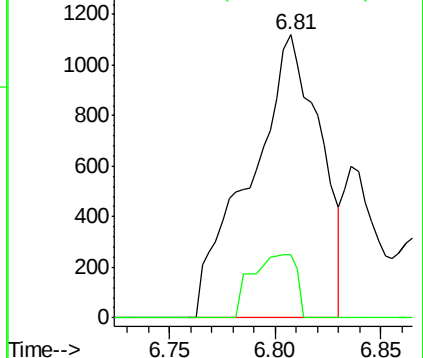


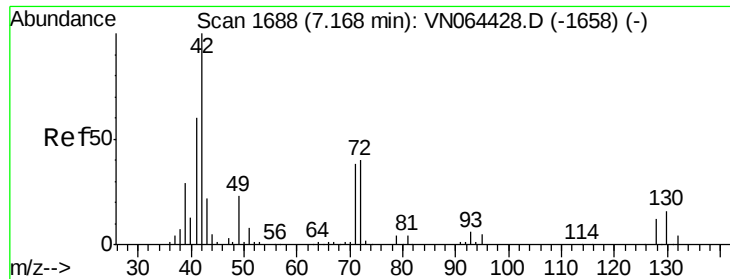
#25
2-Butanone
Concen: 1.240 ug/l
RT: 6.81 min Scan# 1576
Delta R.T. 0.02 min
Lab File: VN064490.D
Acq: 6 Nov 2020 18:03

Tgt Ion:	43	Resp:	2581
Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.5	27.7



Abundance Ion 43.00 (42.70 to 43.70): VN0





#29

Tetrahydrofuran

Concen: 0.574 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-3B

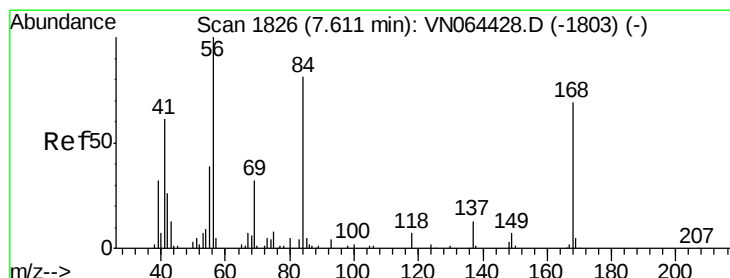
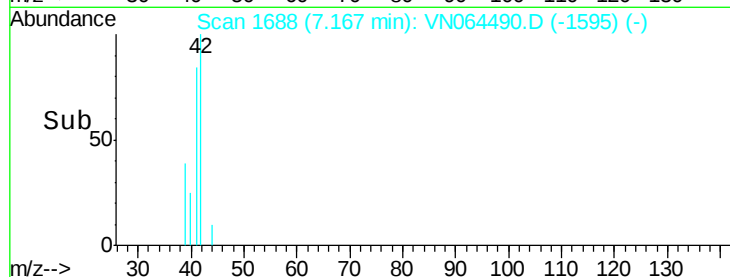
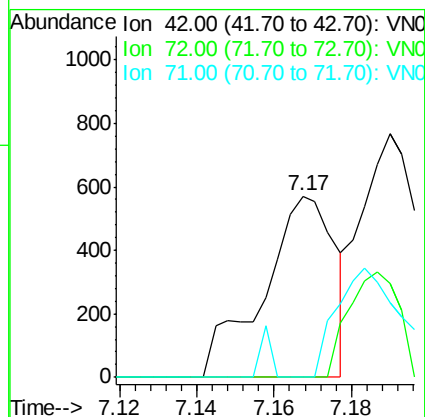
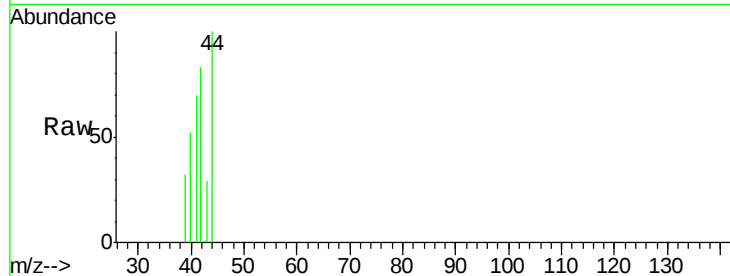
Tot Ion: 42 Resp: 733

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 4.2 29.8 44.6#



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

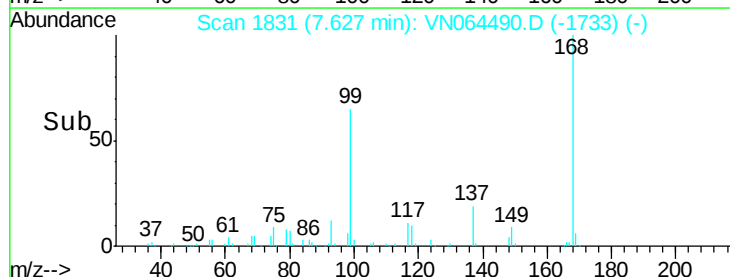
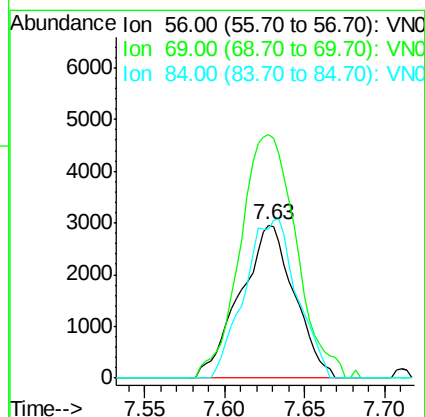
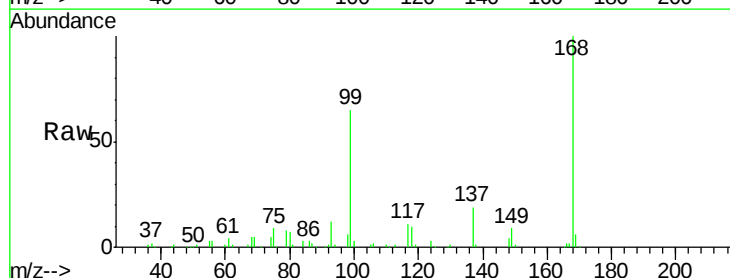
Tgt Ion: 56 Resp: 6890

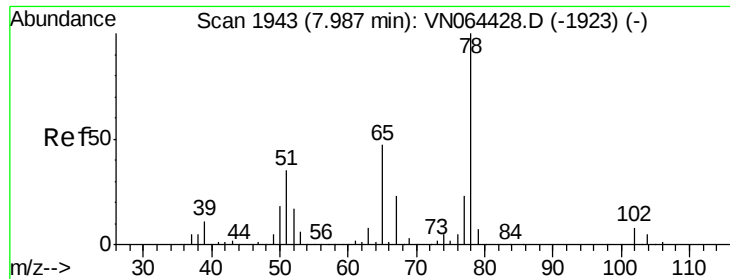
Ion Ratio Lower Upper

56 100

69 159.2 25.6 38.4#

84 97.1 63.0 94.6#





#33

1,2-Dichloroethane-d4

Concen: 55.762 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

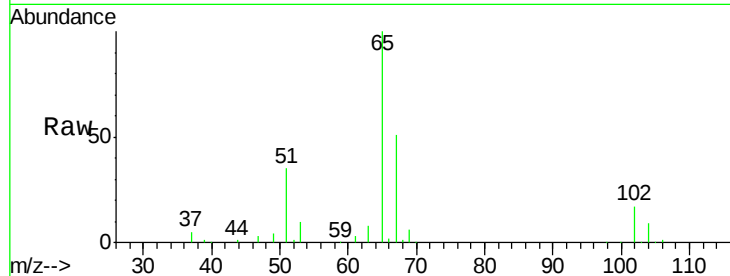
CONTAINER-002-3B

Tot Ion: 65 Resp: 239137

Ion Ratio Lower Upper

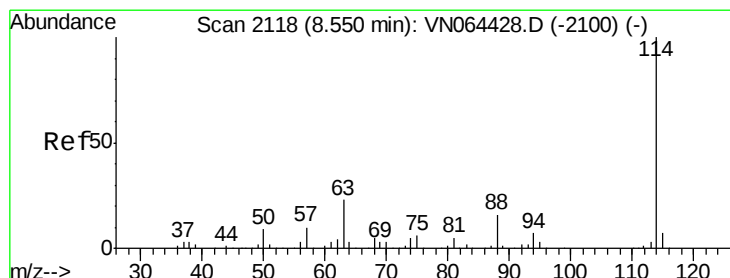
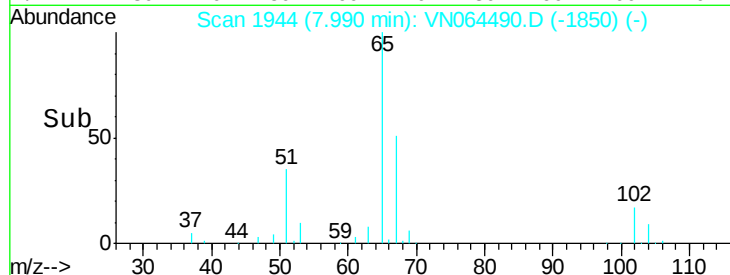
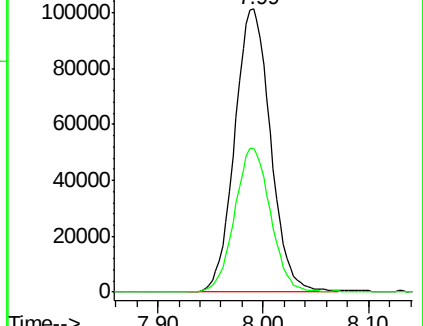
65 100

67 50.7 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064428.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064428.D (-1923) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

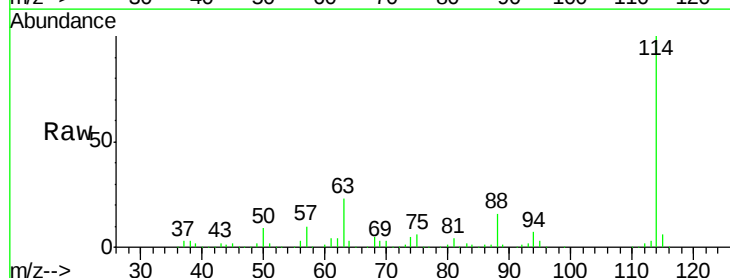
Tgt Ion: 114 Resp: 517521

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

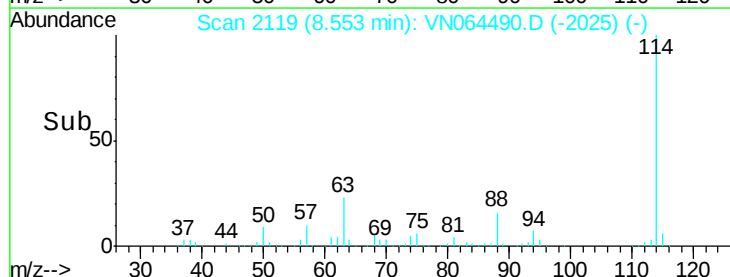
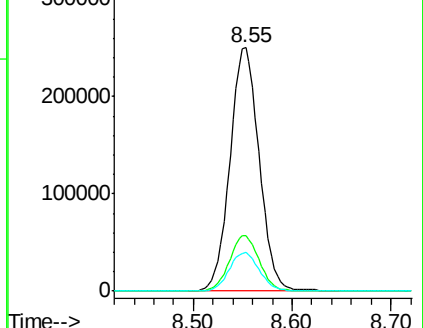
88 15.7 0.0 32.8

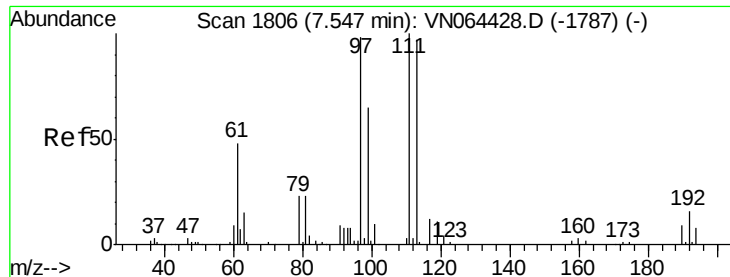


Abundance Ion 113.90 (113.60 to 114.60): VN064428.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064428.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064428.D (-2100) (-)

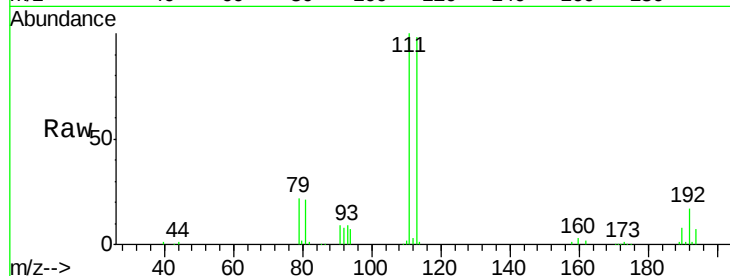




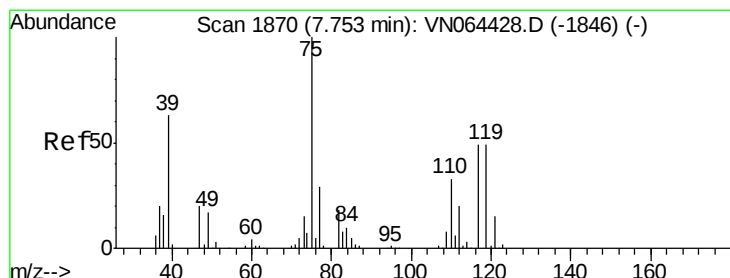
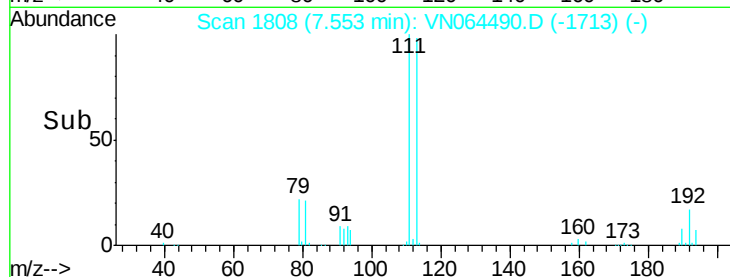
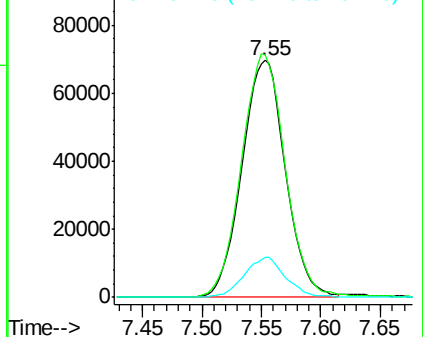
#35
 Dibromofluoromethane
 Concen: 49.948 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064490.D
 Acq: 6 Nov 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-3B

Tot Ion:113 Resp: 175997
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.1 121.7
 192 16.2 12.8 19.2

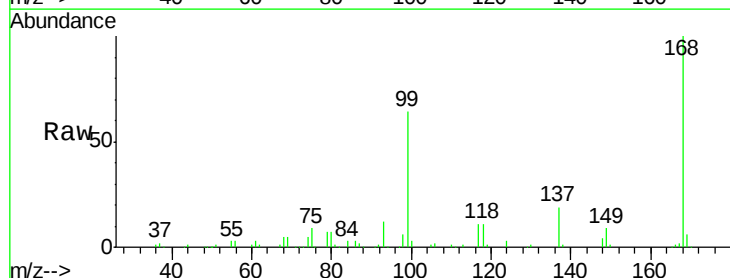


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

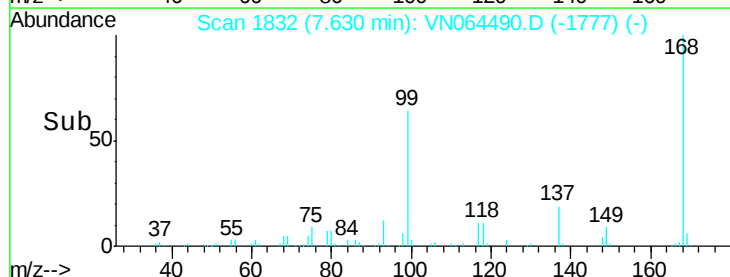
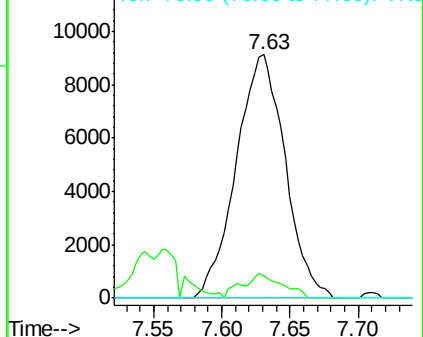


#36
 1,1-Dichloropropene
 Concen: 4.163 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064490.D
 Acq: 6 Nov 2020 18:03

Tgt Ion: 75 Resp: 22762
 Ion Ratio Lower Upper
 75 100
 110 6.2 16.0 48.0#
 77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

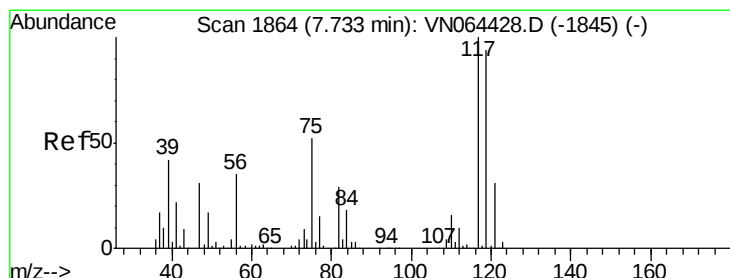
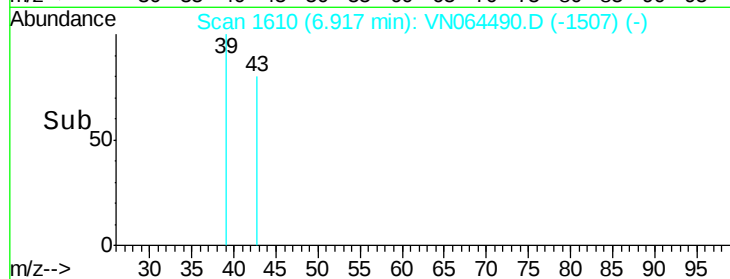
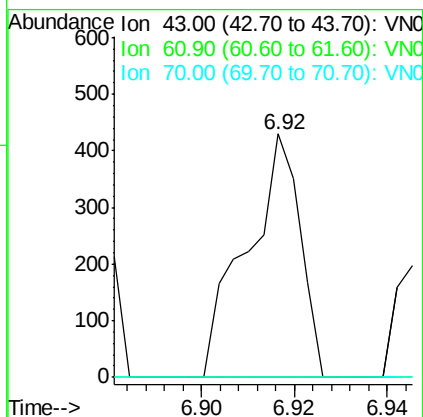
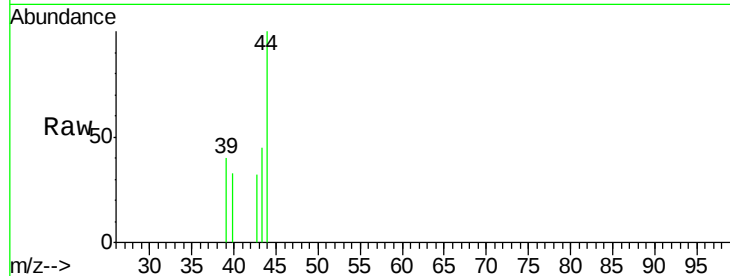




#37
Ethyl Acetate
Concen: 0.824 ug/l
RT: 6.92 min Scan# 1610
Delta R.T. 0.03 min
Lab File: VN064490.D
Acq: 6 Nov 2020 18:03

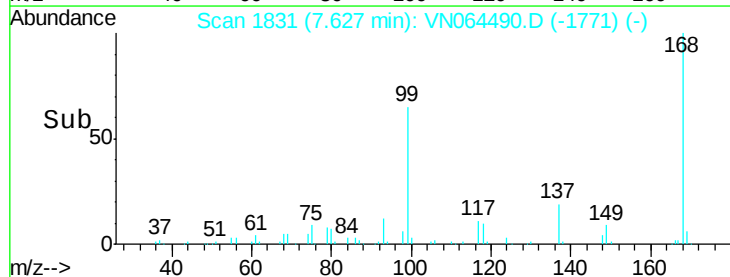
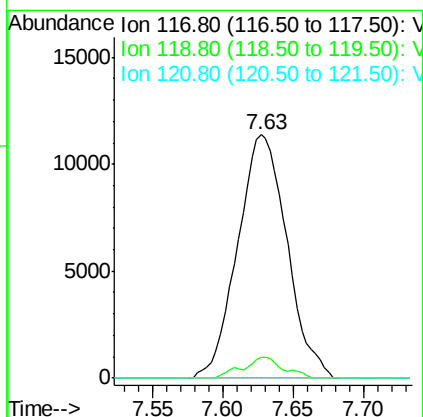
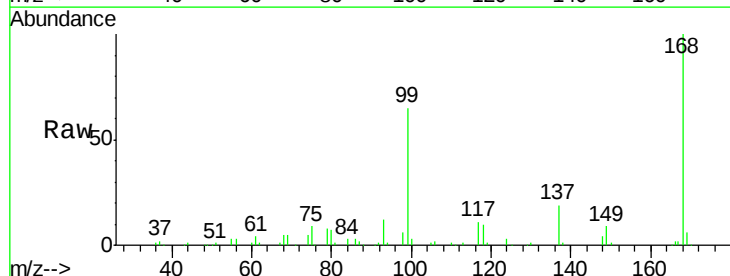
Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-3B

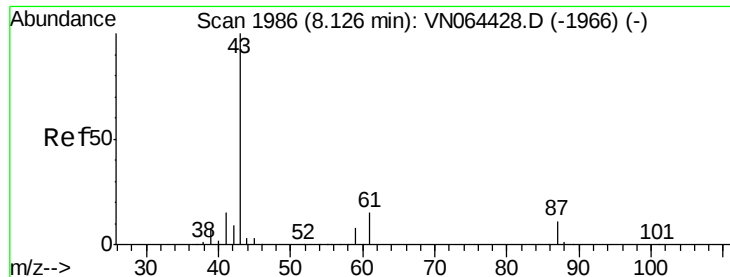
Tot Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.747 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064490.D
Acq: 6 Nov 2020 18:03

Tgt Ion: 117 Resp: 27736
Ion Ratio Lower Upper
117 100
119 8.5 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 10.534 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-3B

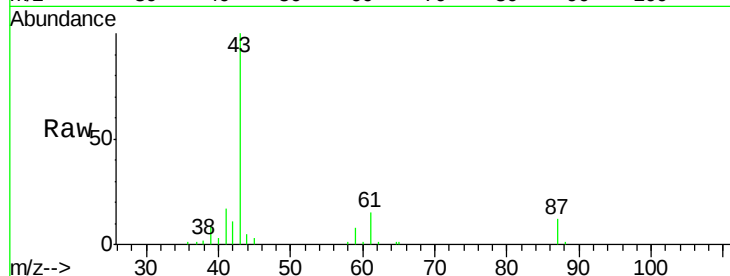
Tot Ion: 43 Resp: 93337

Ion Ratio Lower Upper

43 100

61 17.5 14.0 21.0

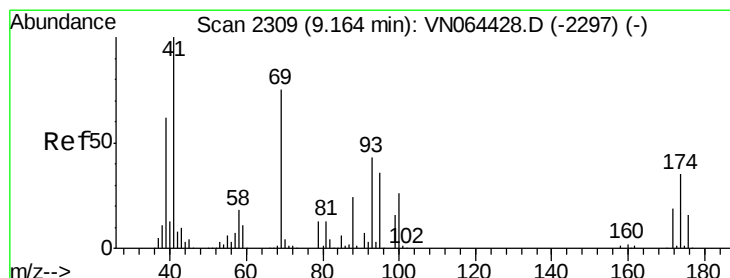
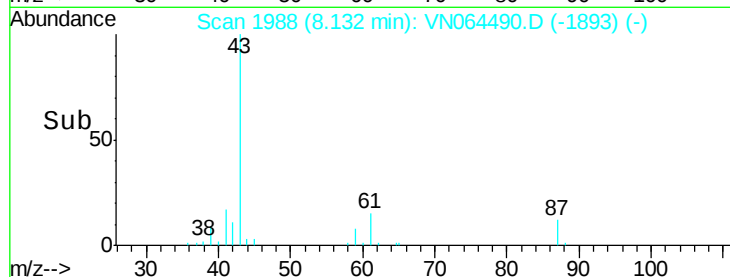
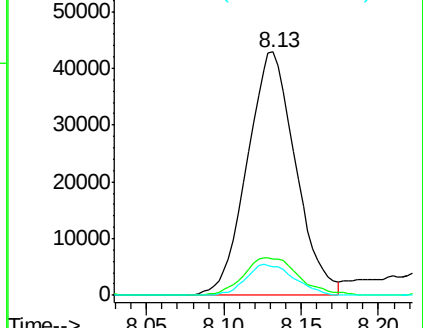
87 12.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#48

Methyl methacrylate

Concen: 1.322 ug/l

RT: 9.15 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

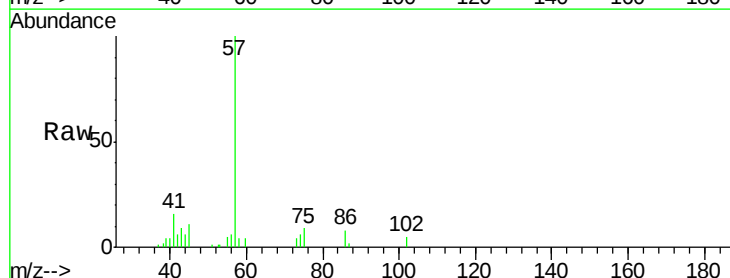
Tgt Ion: 41 Resp: 5912

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

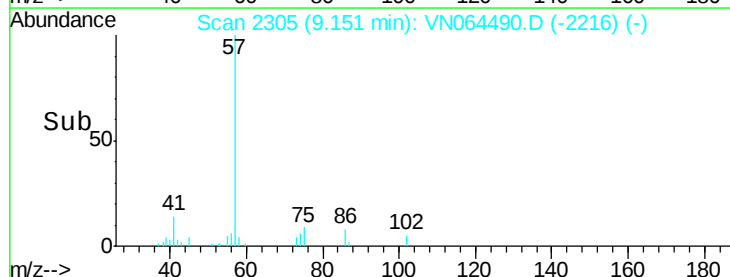
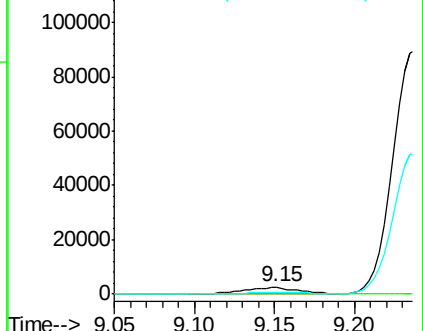
39 0.0 51.2 76.8#

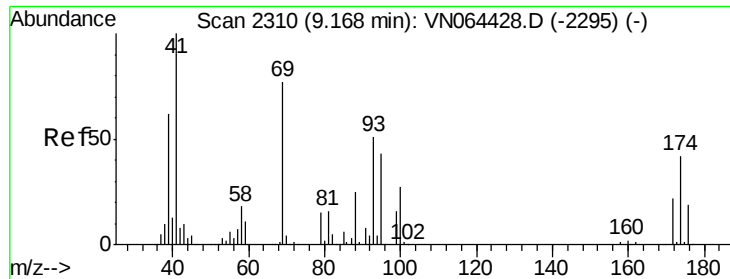


Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2297) (-)

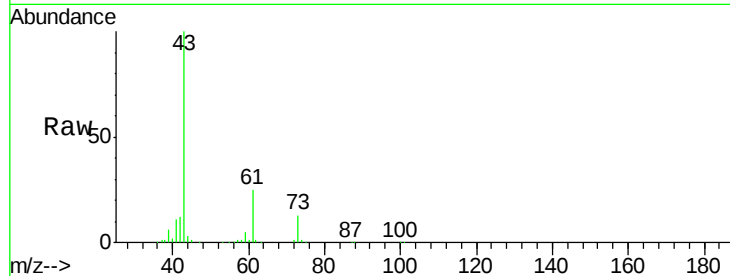




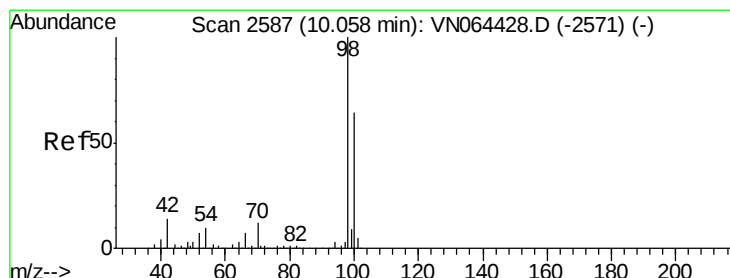
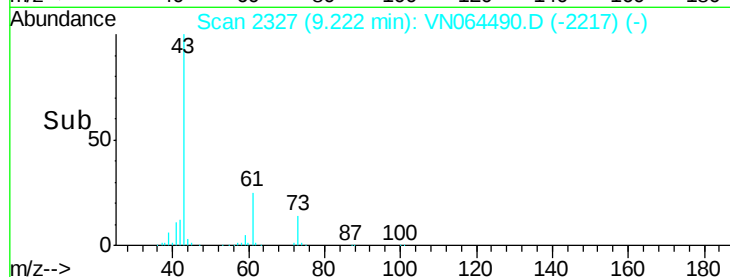
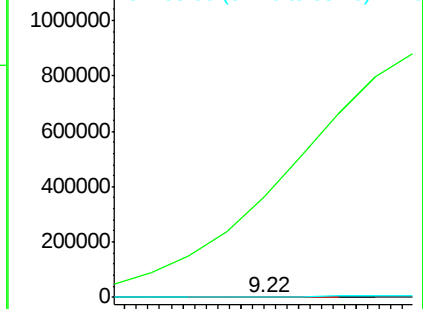
#49
1,4-Dioxane
Concen: 0.492 ug/l
RT: 9.22 min Scan# 2327
Delta R.T. 0.05 min
Lab File: VN064490.D
Acq: 6 Nov 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-3B

Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 0.0 58.4 87.6#

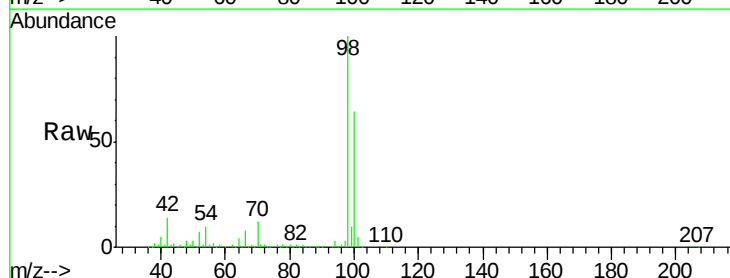


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

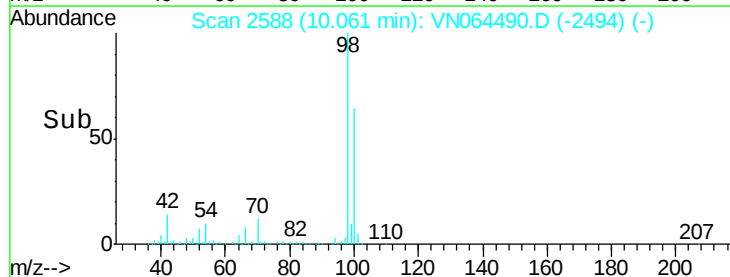
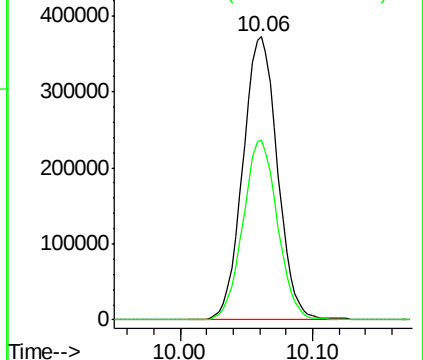


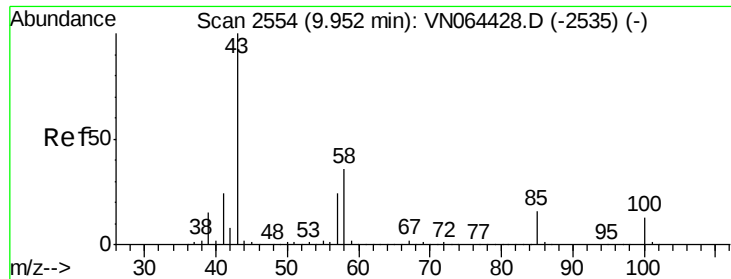
#50
Toluene-d8
Concen: 49.629 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064490.D
Acq: 6 Nov 2020 18:03

Tgt Ion: 98 Resp: 675882
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.800 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

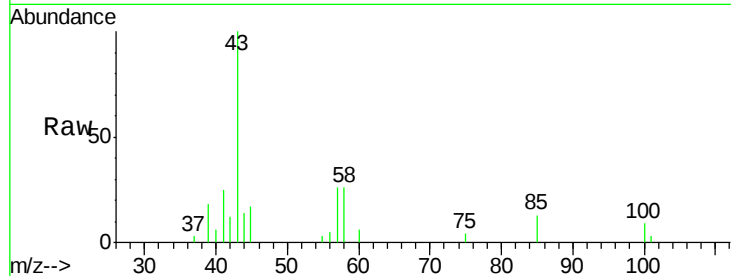
CONTAINER-002-3B

Tot Ion: 43 Resp: 9303

Ion Ratio Lower Upper

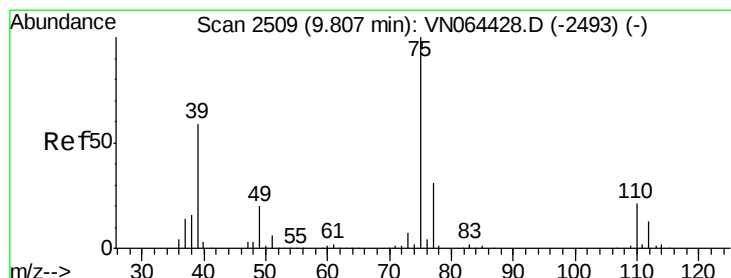
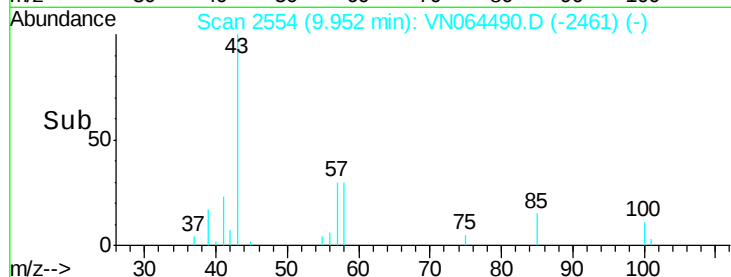
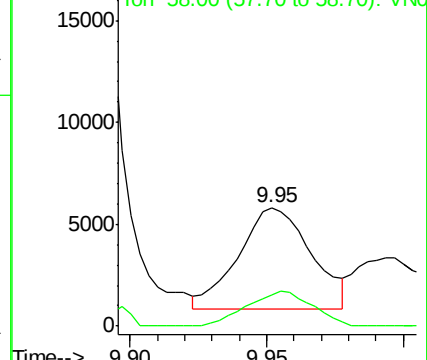
43 100

58 30.5 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.347 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

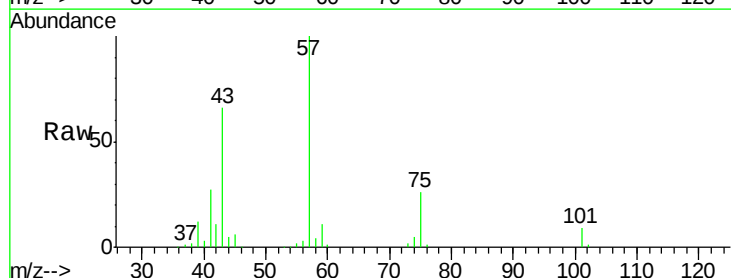
Tgt Ion: 75 Resp: 36773

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#

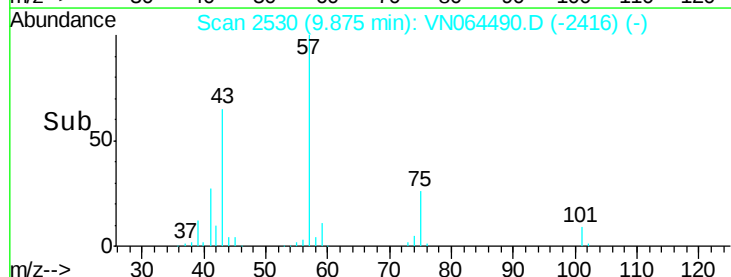
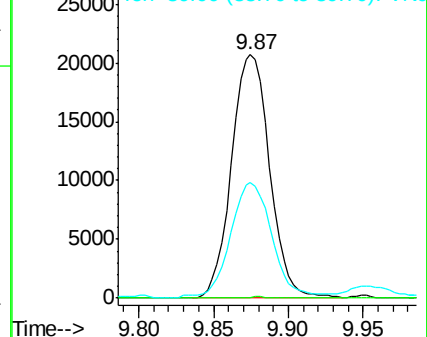
39 46.8 47.1 70.7#

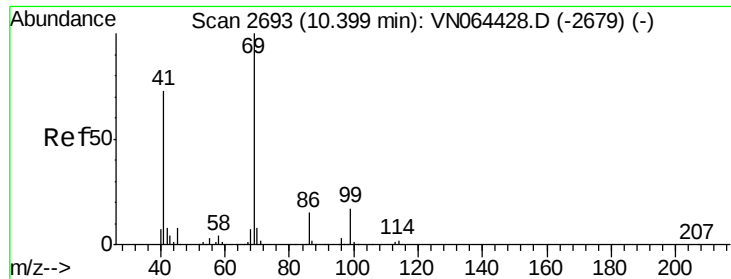


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.339 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-3B

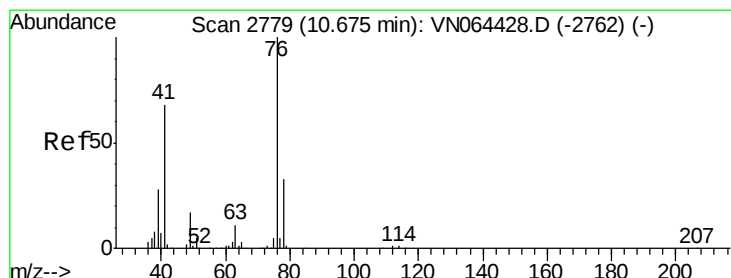
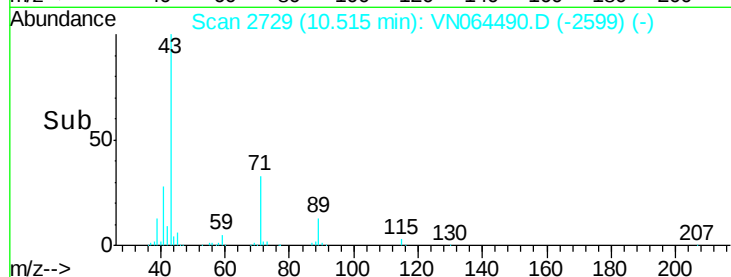
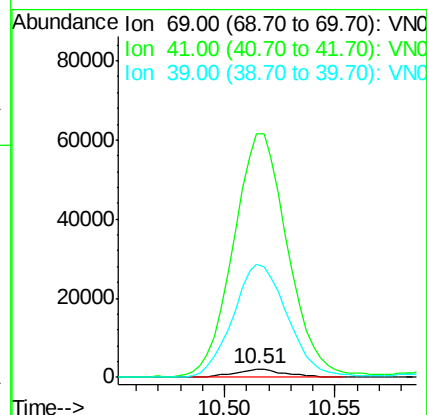
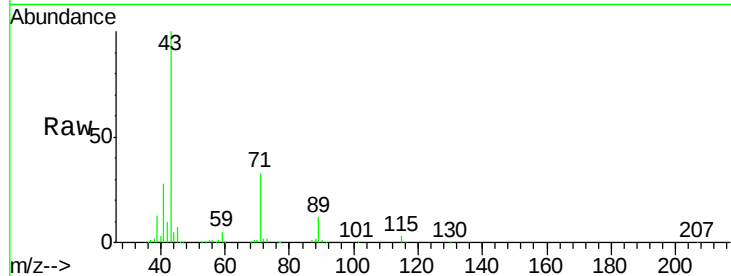
Tot Ion: 69 Resp: 3252

Ion Ratio Lower Upper

69 100

41 3210.9 59.3 88.9#

39 1515.6 35.4 53.0#



#57

1,3-Dichloropropane

Concen: 0.922 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064490.D

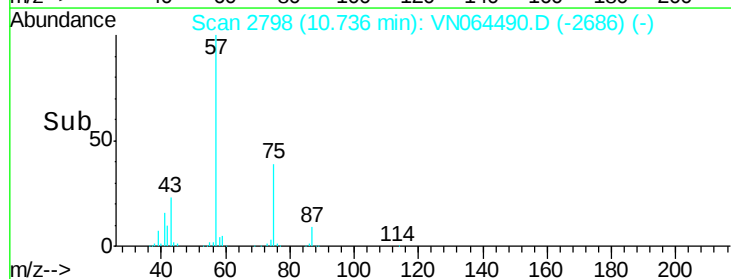
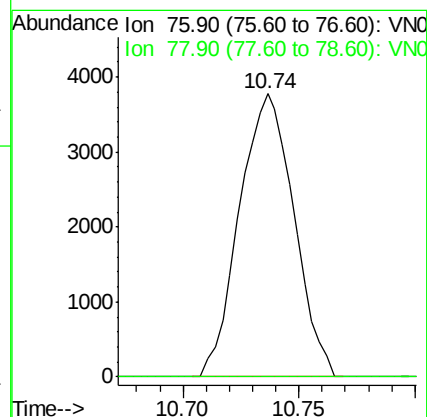
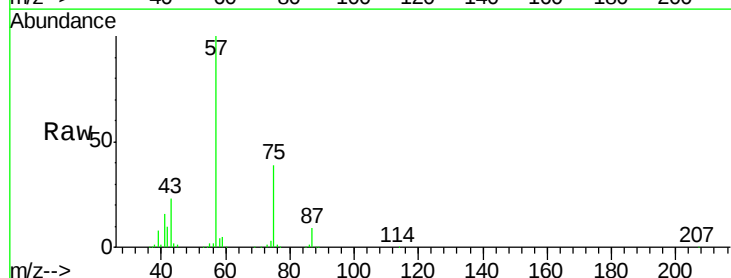
Acq: 6 Nov 2020 18:03

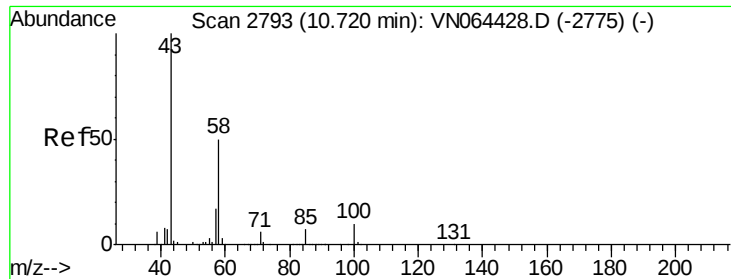
Tgt Ion: 76 Resp: 6152

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

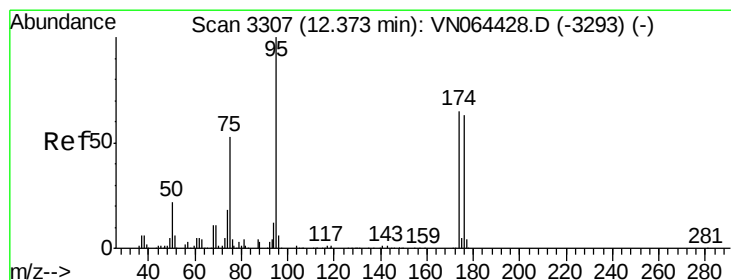
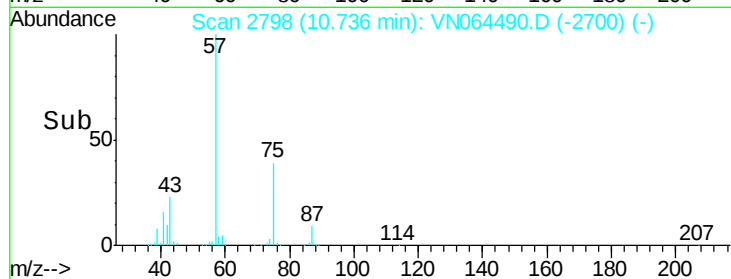
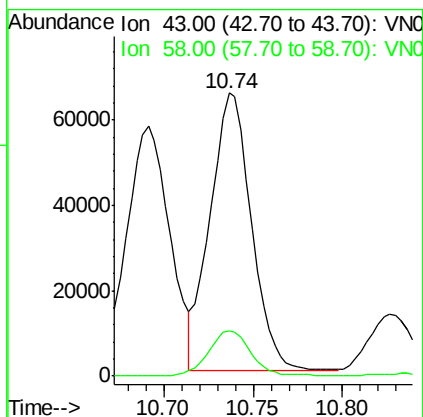
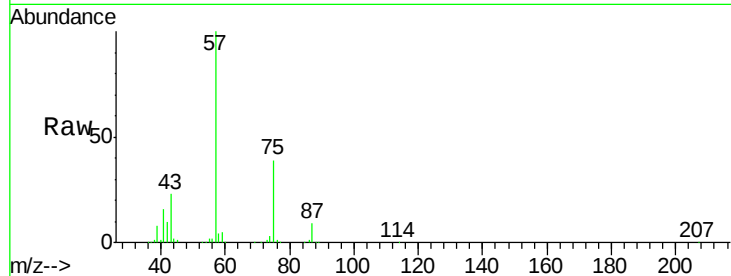




#59
2-Hexanone
Concen: 28.307 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064490.D
Acq: 6 Nov 2020 18:03

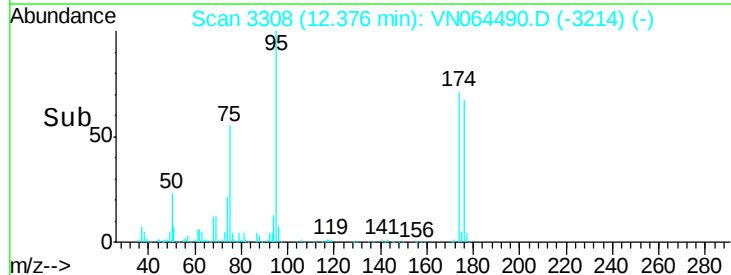
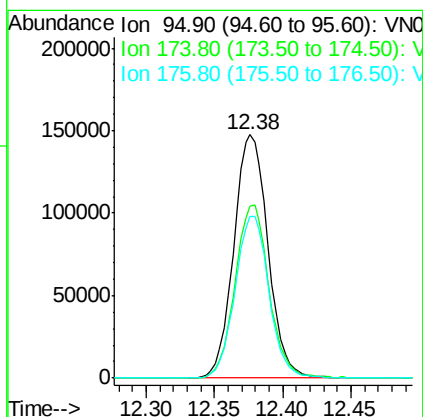
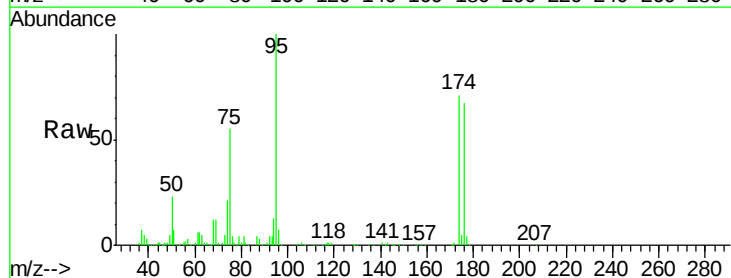
Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-3B

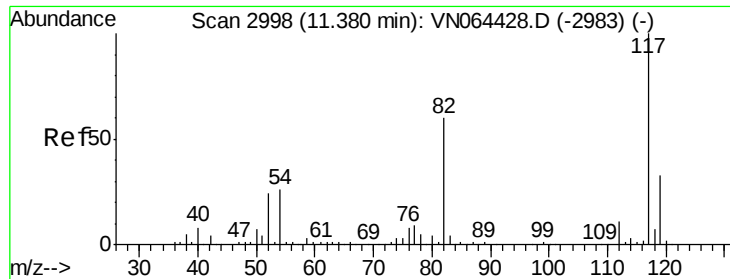
Tot Ion: 43 Resp: 103970
Ion Ratio Lower Upper
43 100
58 16.5 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.800 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064490.D
Acq: 6 Nov 2020 18:03

Tgt Ion: 95 Resp: 256490
Ion Ratio Lower Upper
95 100
174 71.0 0.0 132.6
176 66.2 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-3B

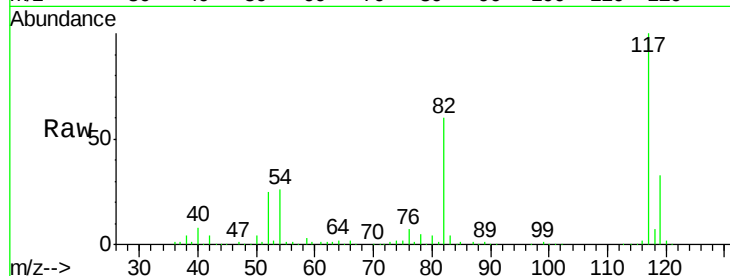
Tot Ion:117 Resp: 553244

Ion Ratio Lower Upper

117 100

82 60.1 48.1 72.1

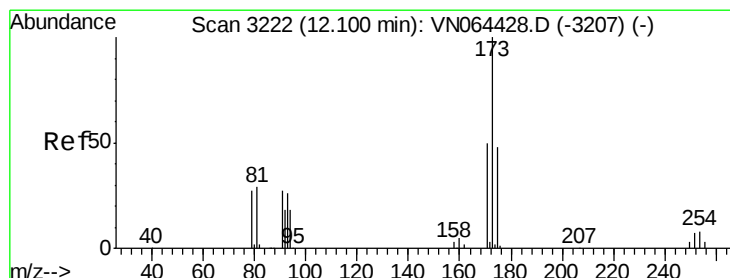
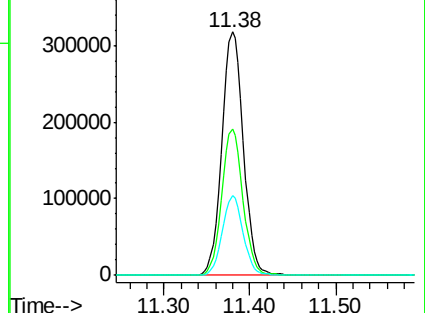
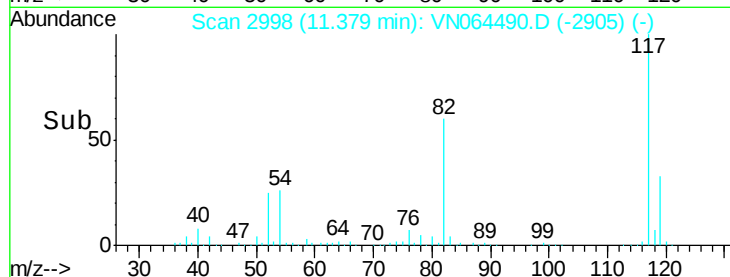
119 32.5 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 1.291 ug/l

RT: 12.36 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

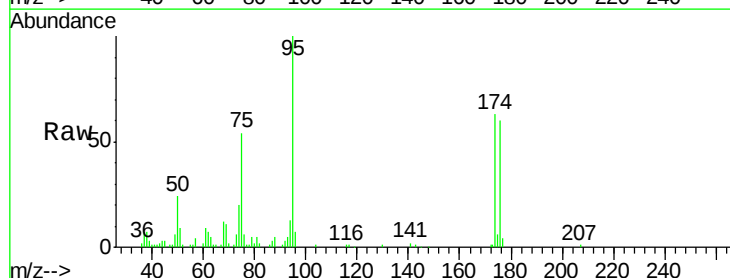
Tgt Ion:173 Resp: 54

Ion Ratio Lower Upper

173 100

175 20857.4 23.7 71.1#

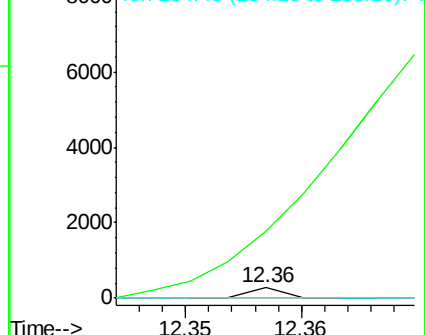
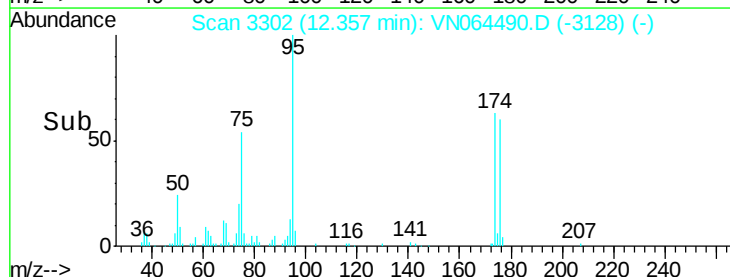
254 0.0 0.0 0.0

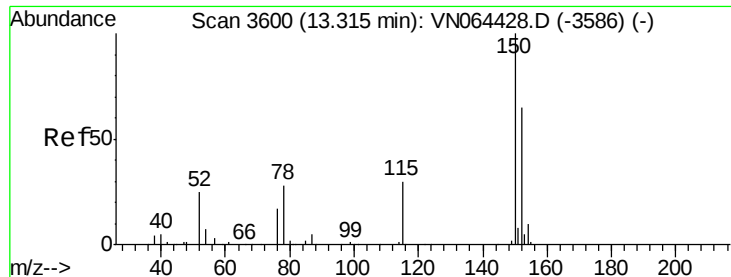


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-3B

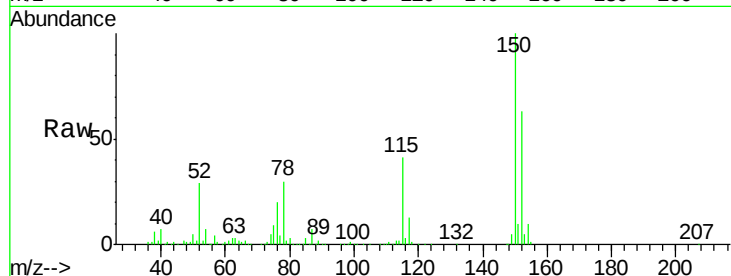
Tot Ion:152 Resp: 196342

Ion Ratio Lower Upper

152 100

115 65.3 32.0 96.0

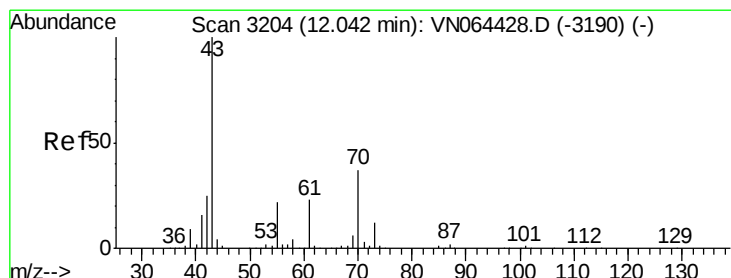
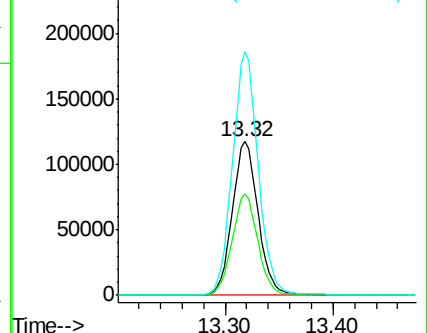
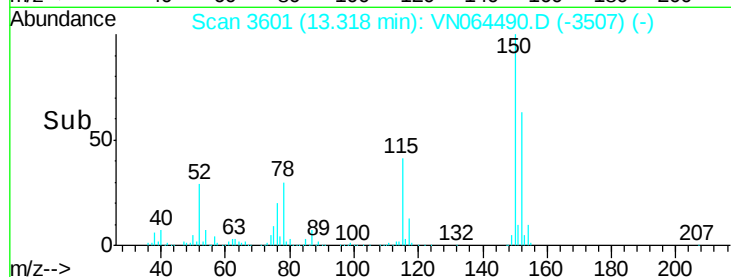
150 158.0 0.0 353.8



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: 1.527 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Tgt Ion: 43 Resp: 2426

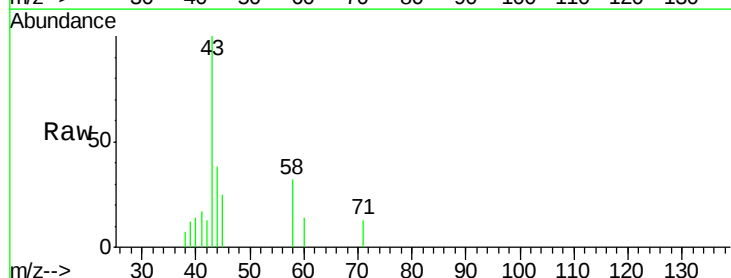
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 2.7 18.4 27.6#

61 0.0 17.8 26.6#

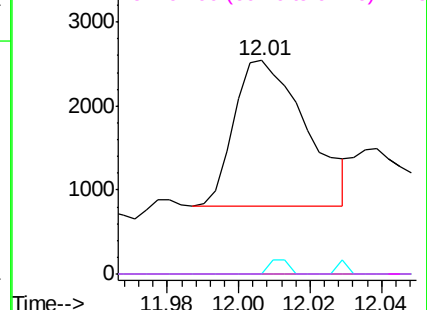
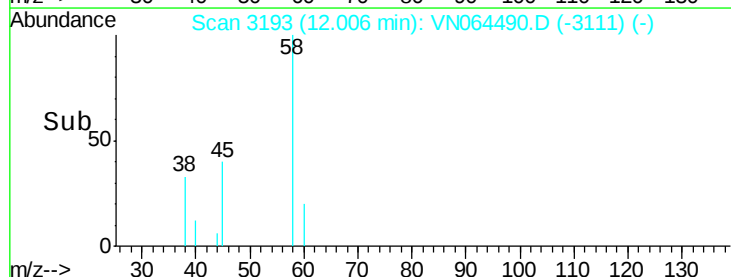


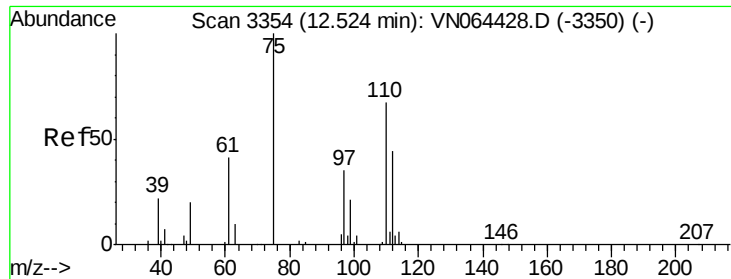
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.761 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

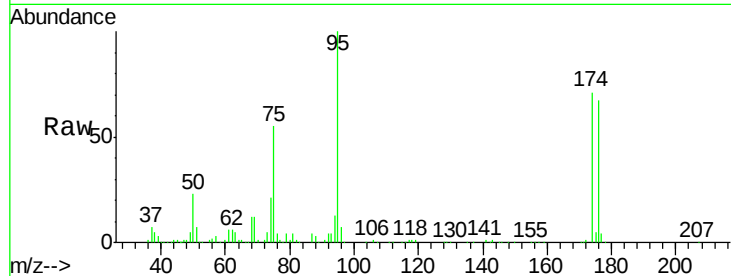
CONTAINER-002-3B

Tot Ion: 75 Resp: 141578

Ion Ratio Lower Upper

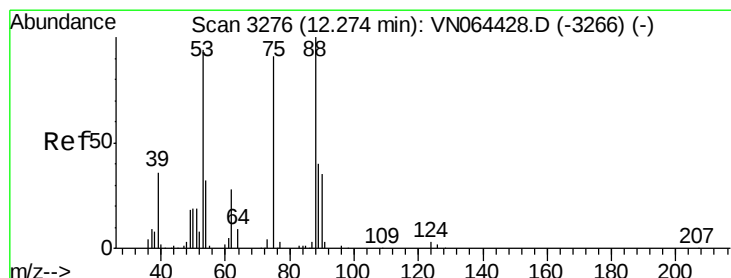
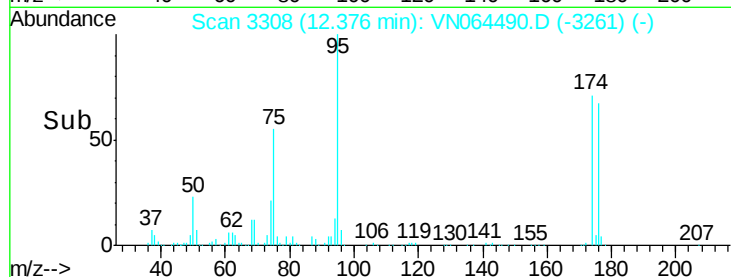
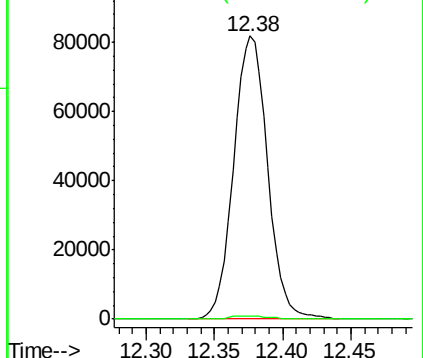
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 83.096 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064490.D

Acq: 6 Nov 2020 18:03

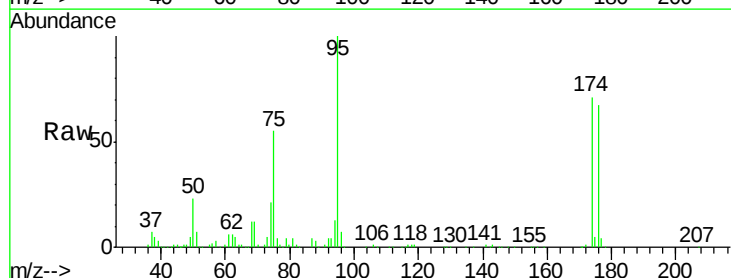
Tgt Ion: 75 Resp: 141578

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

