

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110620\
 Data File : VN064491.D
 Acq On : 6 Nov 2020 18:27
 Operator : JC/MD
 Sample : L4625-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-4B

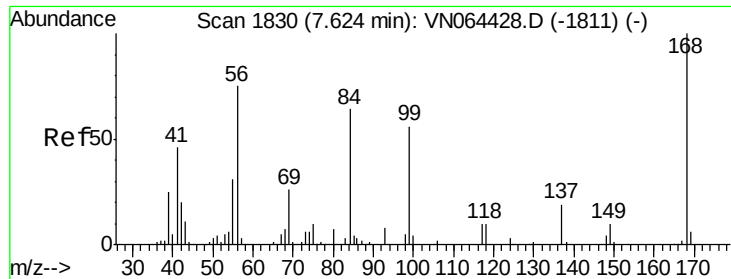
Quant Time: Nov 07 03:51:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	236376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	508403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	539286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194113	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	238450	57.91	ug/l	0.00
Spiked Amount			Recovery	=	115.82%	
35) Dibromofluoromethane	7.55	113	174445	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	10.06	98	669537	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.38	95	252784	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	19349	12.337	ug/l	97
18) Methyl Acetate	4.29	43	4965	1.610	ug/l #	87
20) Methylene Chloride	4.51	84	9175	2.949	ug/l #	92
25) 2-Butanone	6.79	43	569	0.285	ug/l #	52
29) Tetrahydrofuran	7.17	42	702	0.573	ug/l #	77
31) Cyclohexane	7.63	56	7167	1.432	ug/l #	15
36) 1,1-Dichloropropene	7.63	75	22566	4.202	ug/l #	51
37) Ethyl Acetate	6.90	43	274	0.812	ug/l #	71
38) Carbon Tetrachloride	7.63	117	27569	4.803	ug/l #	16
43) Isopropyl Acetate	8.13	43	93624	10.756	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1812	0.430	ug/l #	45
48) Methyl methacrylate	9.14	41	5453	1.242	ug/l #	15
49) 1,4-Dioxane	9.24	88	59	1.020	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	6846	1.349	ug/l	91
54) cis-1,3-Dichloropropene	9.88	75	37470	5.546	ug/l #	67
56) Ethyl methacrylate	10.52	69	2974	2.305	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6169	0.941	ug/l #	42
59) 2-Hexanone	10.74	43	95739	26.786	ug/l #	55
71) Bromoform	12.37	173	1402	1.688	ug/l #	1
74) N-amyl acetate	12.01	43	3042	1.611	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	142212	30.237	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	142212	84.426	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064491.D

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MSVOA_N

ClientSampleId :

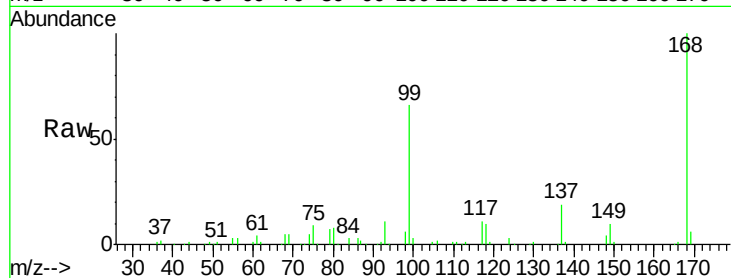
CONTAINER-002-4B

Tot Ion:168 Resp: 236376

Ion Ratio Lower Upper

168 100

99 65.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

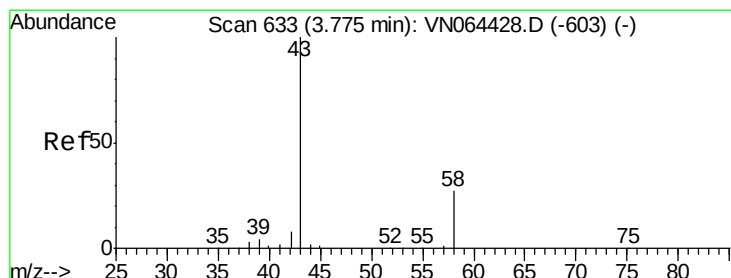
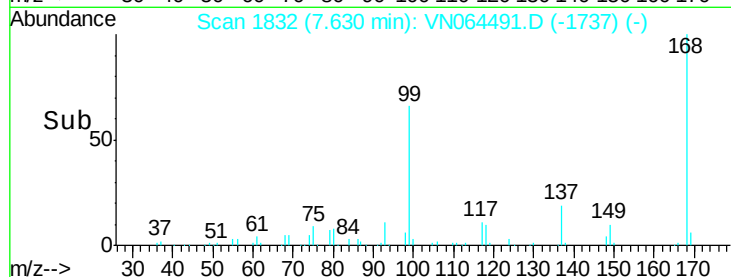
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 12.337 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064491.D

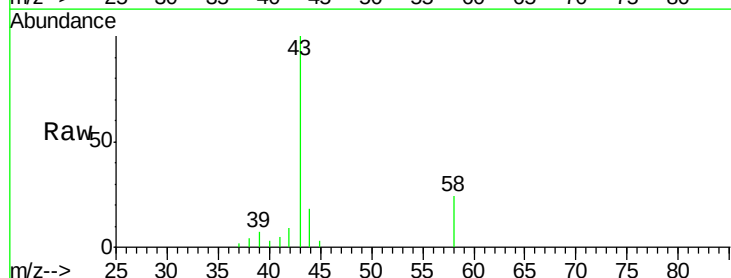
Acq: 6 Nov 2020 18:27

Tgt Ion: 43 Resp: 19349

Ion Ratio Lower Upper

43 100

58 25.0 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

8000

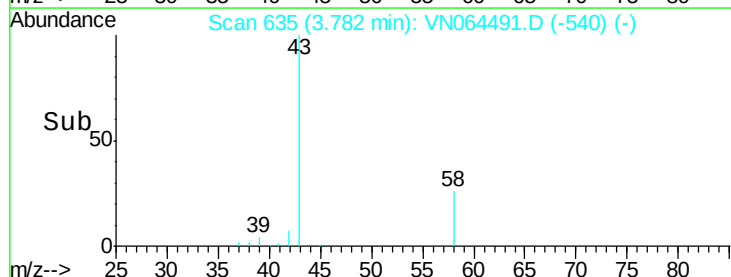
6000

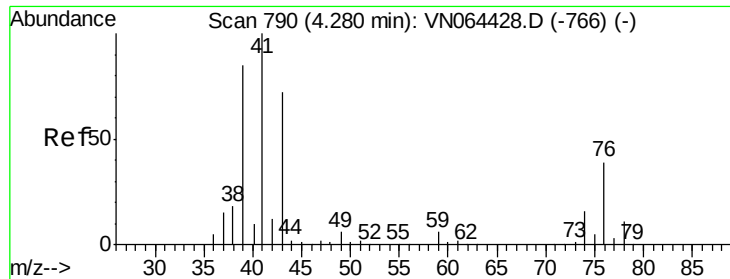
4000

2000

0

Time--> 3.70 3.75 3.80 3.85

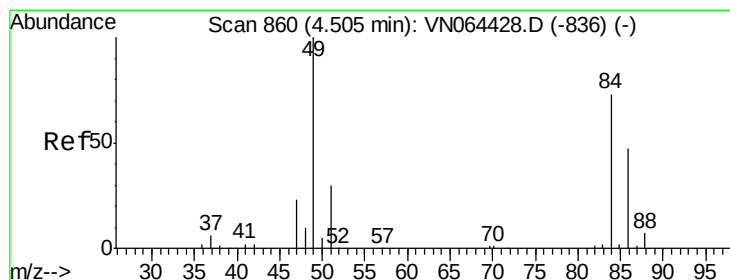
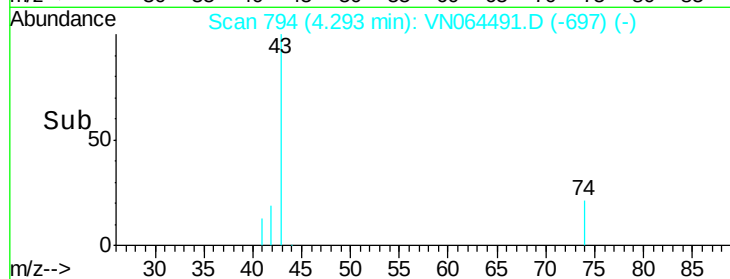
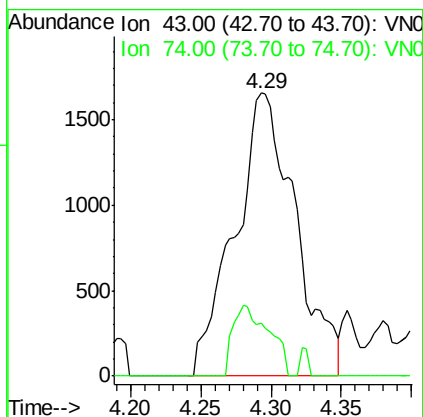
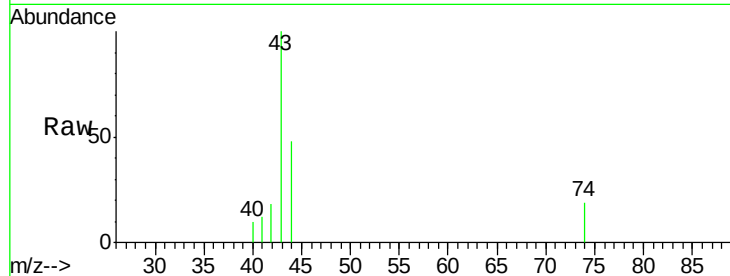




#18
Methyl Acetate
Concen: 1.610 ug/l
RT: 4.29 min Scan# 794
Delta R.T. 0.01 min
Lab File: VN064491.D
Acq: 6 Nov 2020 18:27

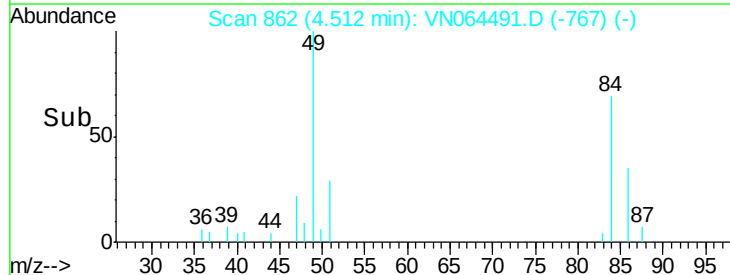
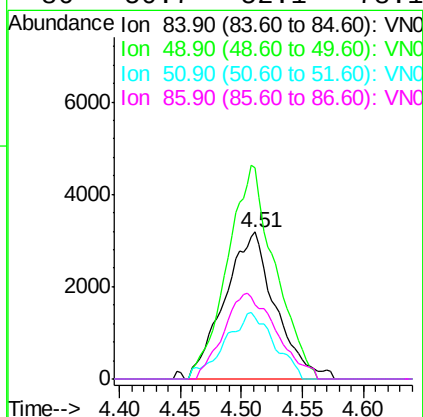
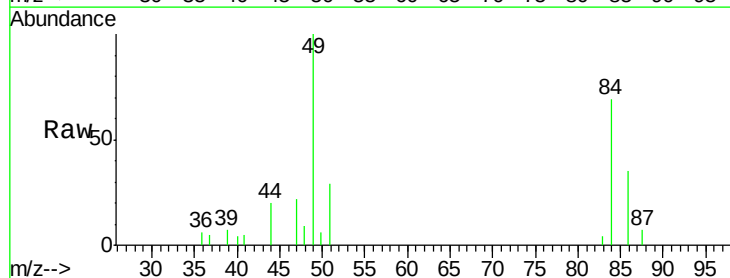
Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-4B

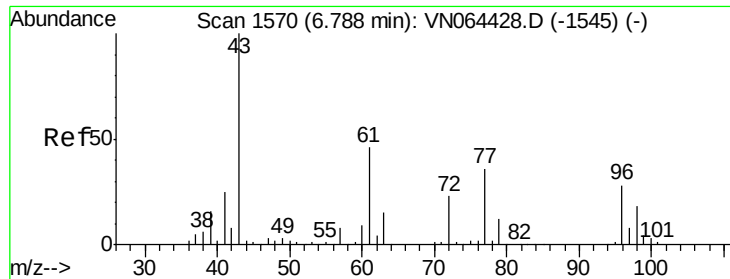
Tot Ion: 43 Resp: 4965
Ion Ratio Lower Upper
43 100
74 14.9 17.0 25.4#



#20
Methylene Chloride
Concen: 2.949 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN064491.D
Acq: 6 Nov 2020 18:27

Tgt Ion: 84 Resp: 9175
Ion Ratio Lower Upper
84 100
49 144.0 110.1 165.1
51 41.5 33.6 50.4
86 50.7 52.1 78.1#





#25

2-Butanone

Concen: 0.285 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064491.D

Acq: 6 Nov 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

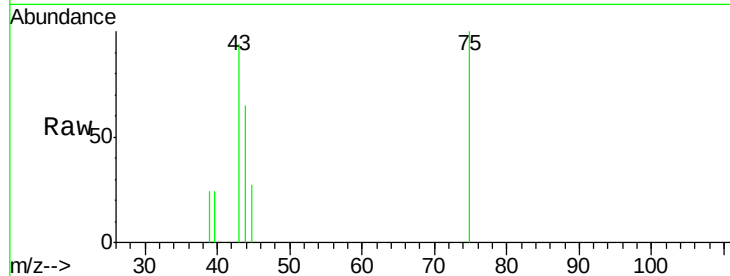
CONTAINER-002-4B

Tot Ion: 43 Resp: 569

Ion Ratio Lower Upper

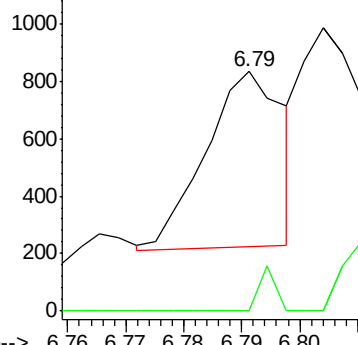
43 100

72 0.0 18.5 27.7#

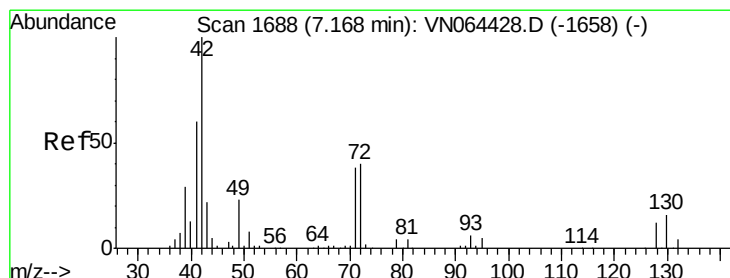
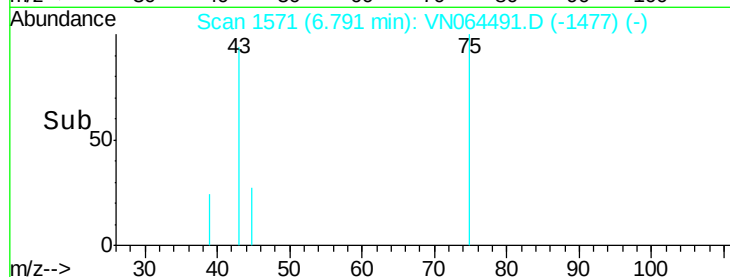


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.76 6.77 6.78 6.79 6.80



#29

Tetrahydrofuran

Concen: 0.573 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064491.D

Acq: 6 Nov 2020 18:27

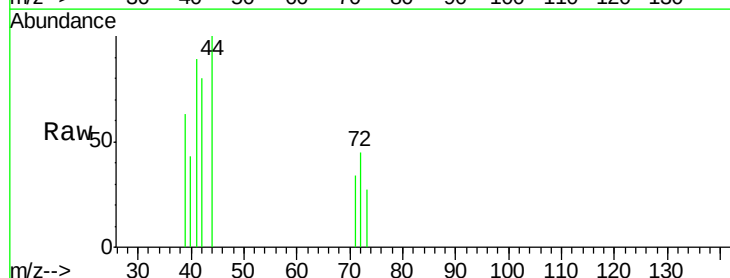
Tgt Ion: 42 Resp: 702

Ion Ratio Lower Upper

42 100

72 24.8 31.7 47.5#

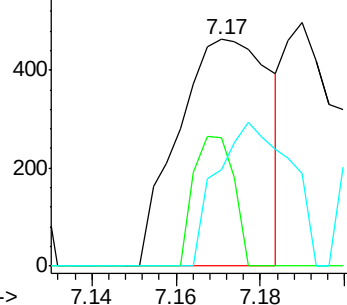
71 50.4 29.8 44.6#



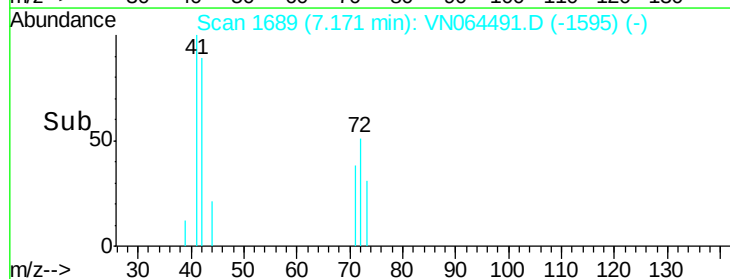
Abundance Ion 42.00 (41.70 to 42.70): VN0

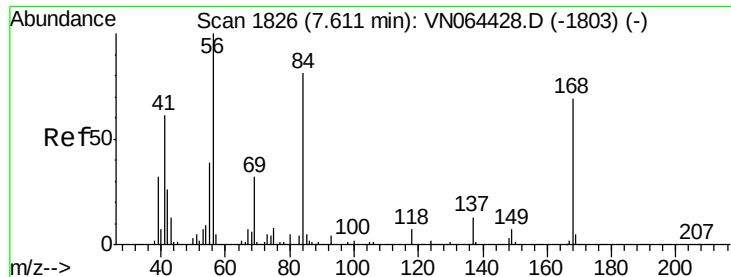
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.14 7.16 7.18

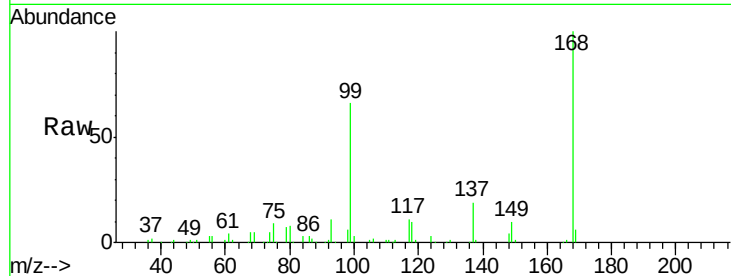




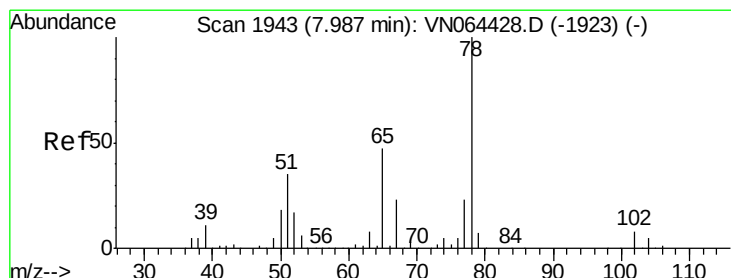
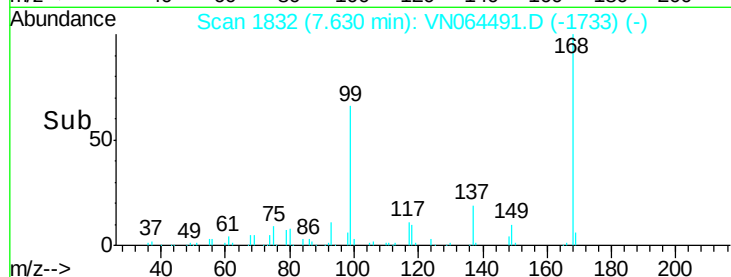
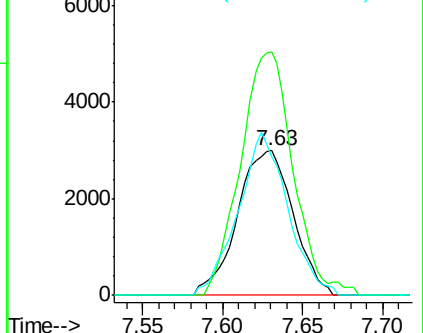
#31
Cyclohexane
Concen: 1.432 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064491.D
Acq: 6 Nov 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-4B

Tot Ion: 56 Resp: 7167
Ion Ratio Lower Upper
56 100
69 168.5 25.6 38.4#
84 95.8 63.0 94.6#

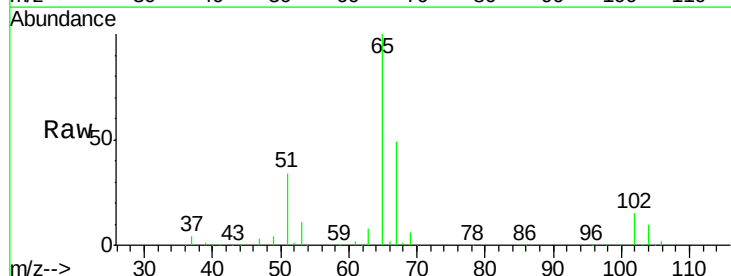


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

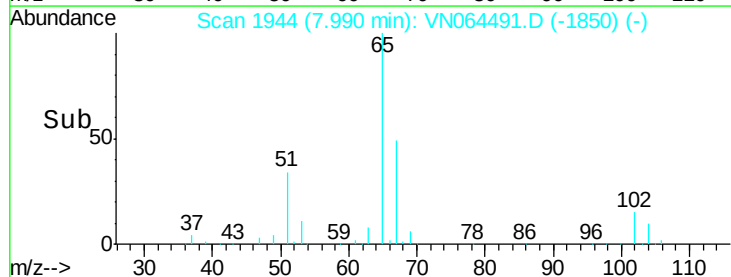
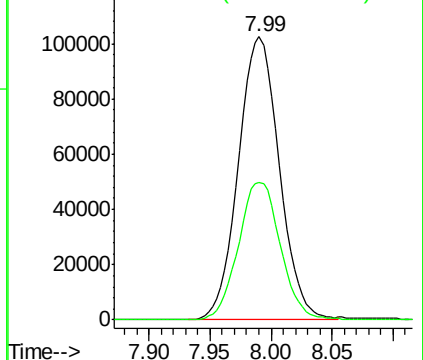


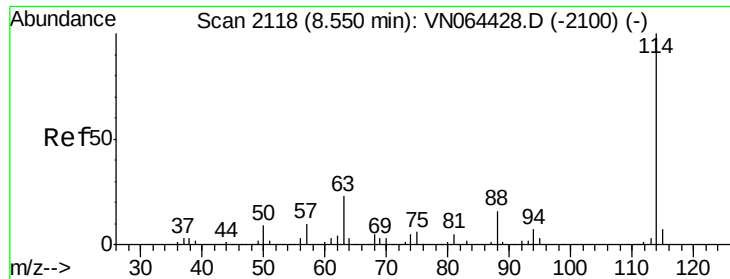
#33
1,2-Dichloroethane-d4
Concen: 57.914 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064491.D
Acq: 6 Nov 2020 18:27

Tgt Ion: 65 Resp: 238450
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

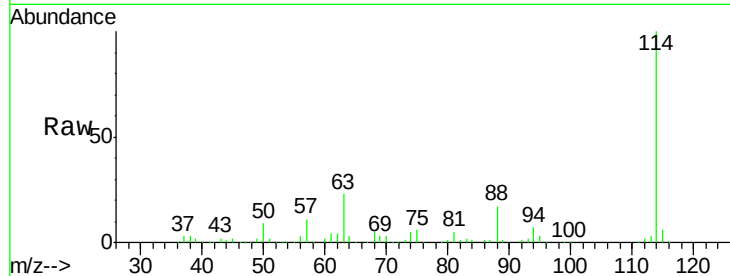




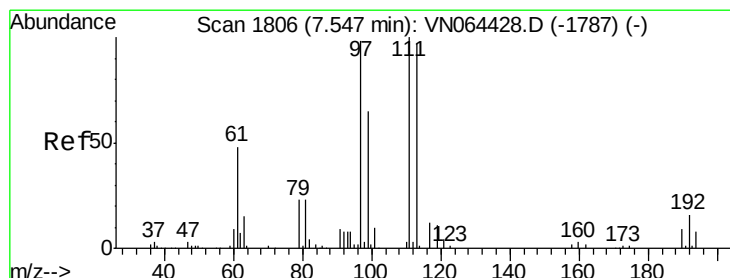
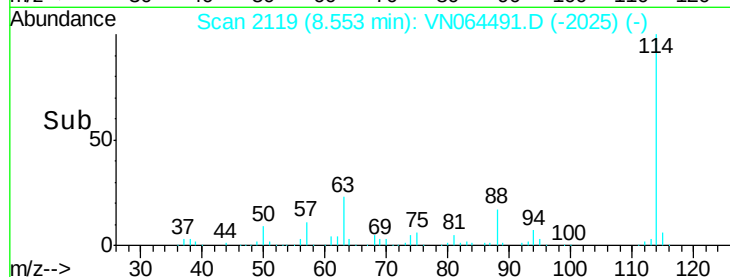
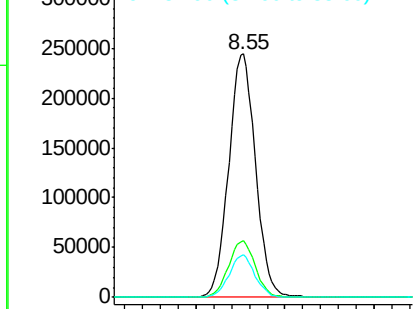
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN064491.D
Acq: 6 Nov 2020 18:27

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Tot Ion:114 Resp: 508403
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.6
88 17.3 0.0 32.8

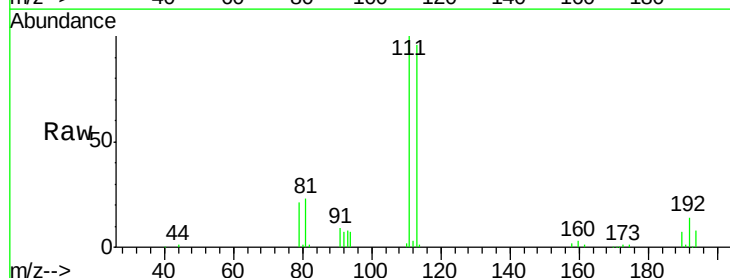


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

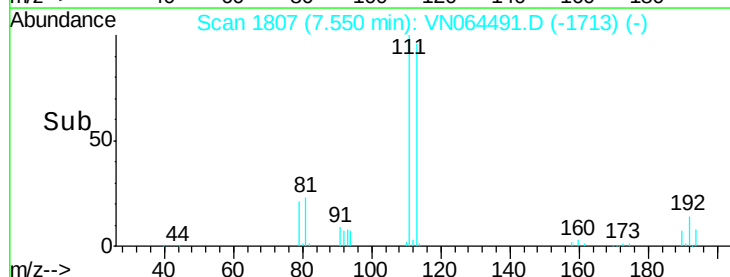
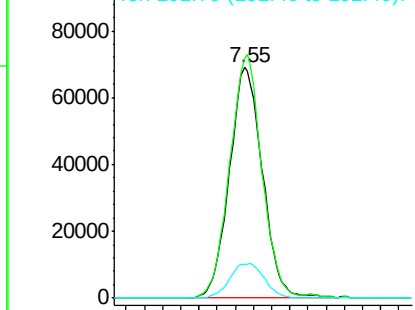


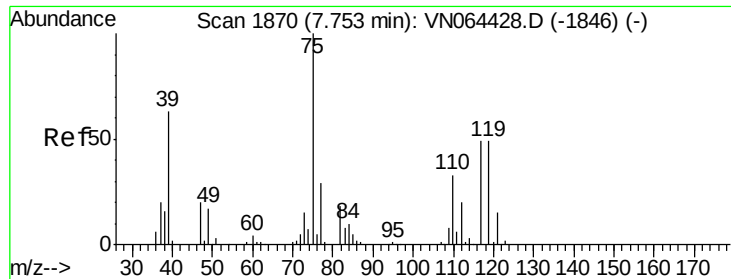
#35
Dibromofluoromethane
Concen: 50.395 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064491.D
Acq: 6 Nov 2020 18:27

Tgt Ion:113 Resp: 174445
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 15.8 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

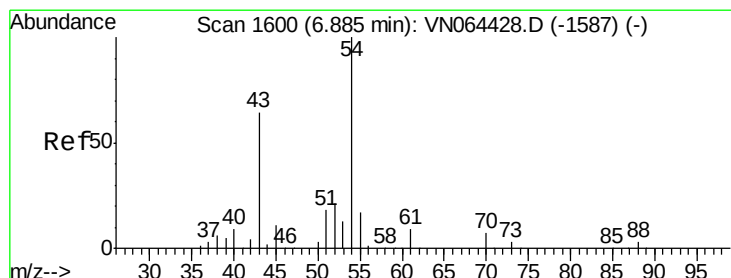
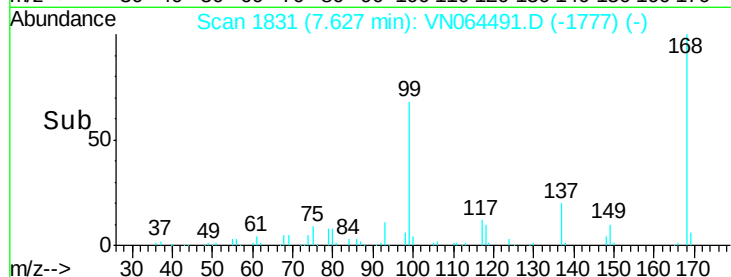
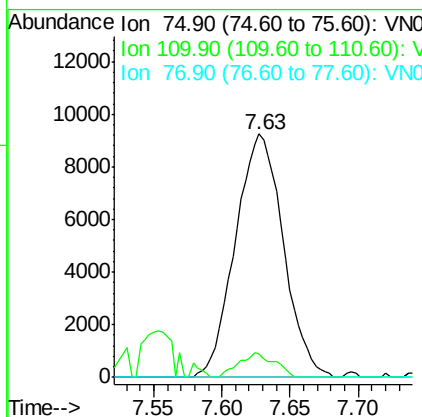
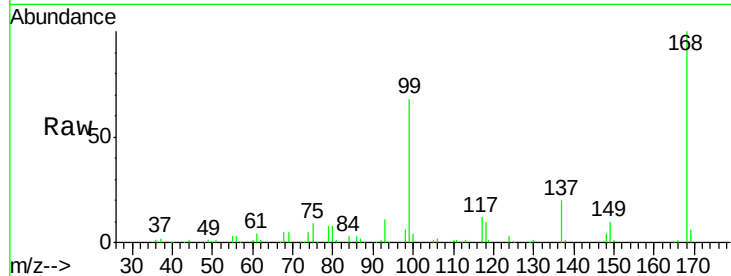




#36
 1,1-Dichloropropene
 Concen: 4.202 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064491.D
 Acq: 6 Nov 2020 18:27

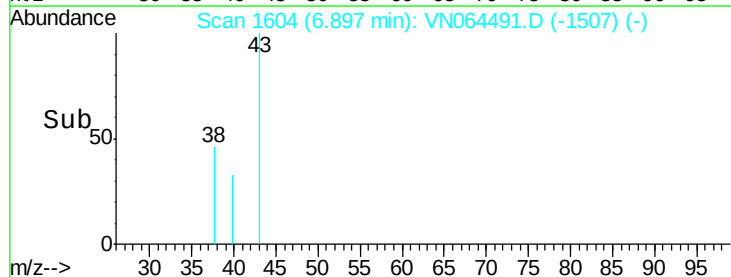
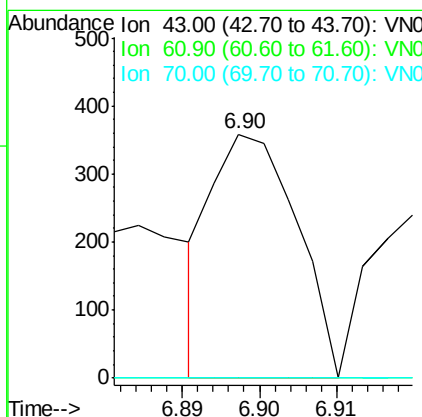
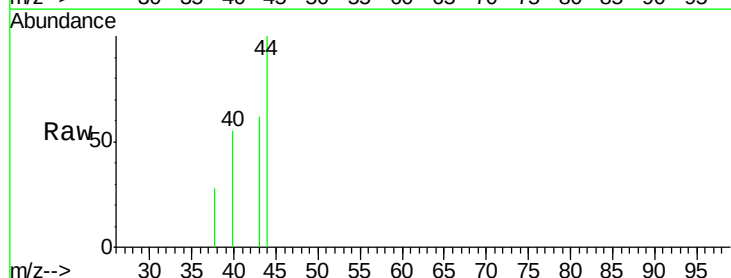
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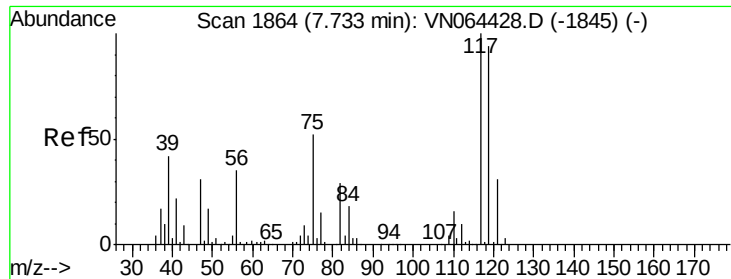
Tot Ion: 75 Resp: 22566
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.812 ug/l
 RT: 6.90 min Scan# 1604
 Delta R.T. 0.01 min
 Lab File: VN064491.D
 Acq: 6 Nov 2020 18:27

Tgt Ion: 43 Resp: 274
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 4.803 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064491.D

Acq: 6 Nov 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

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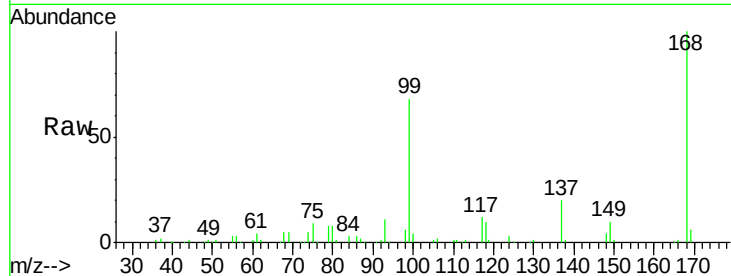
Tot Ion:117 Resp: 27569

Ion Ratio Lower Upper

117 100

119 4.7 75.5 113.3#

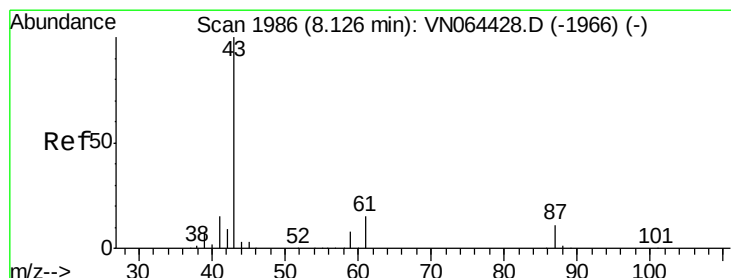
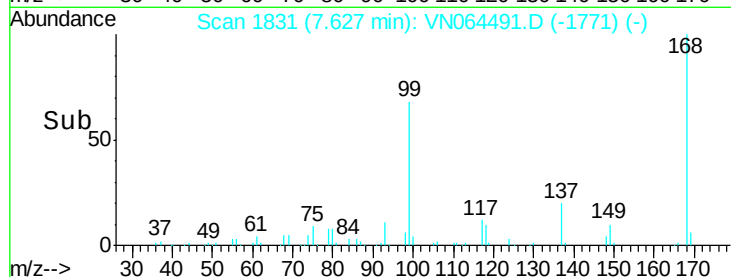
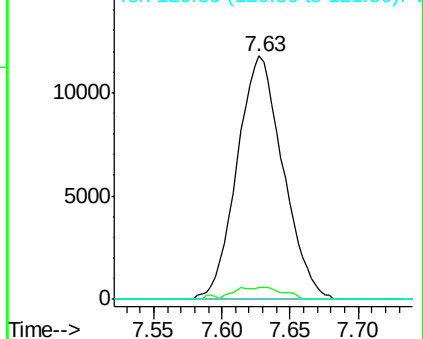
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.756 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064491.D

Acq: 6 Nov 2020 18:27

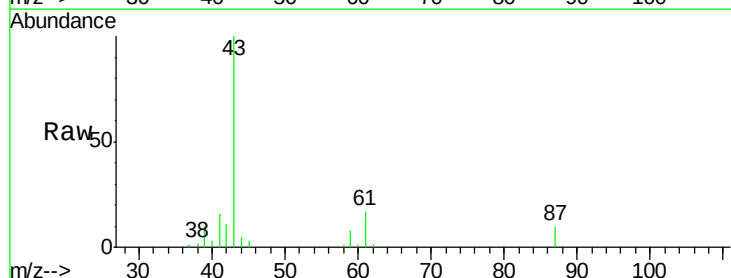
Tgt Ion: 43 Resp: 93624

Ion Ratio Lower Upper

43 100

61 17.9 14.0 21.0

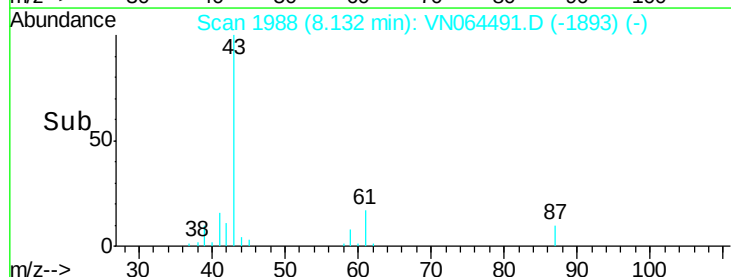
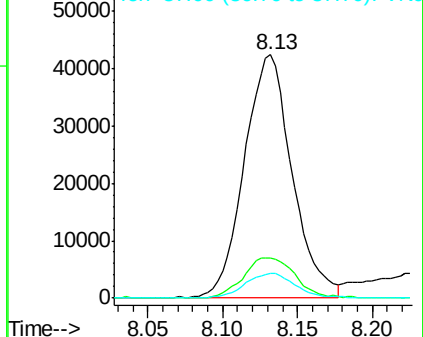
87 10.7 9.1 13.7

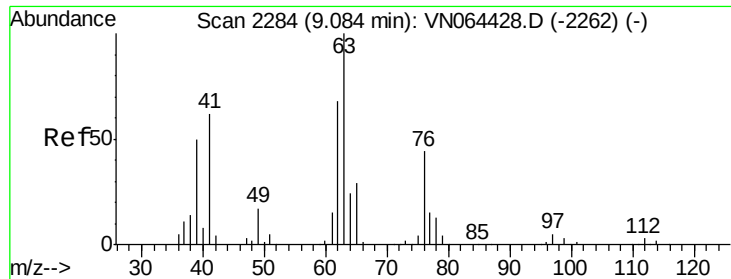


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

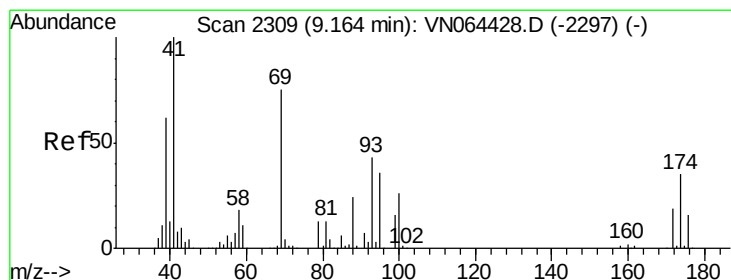
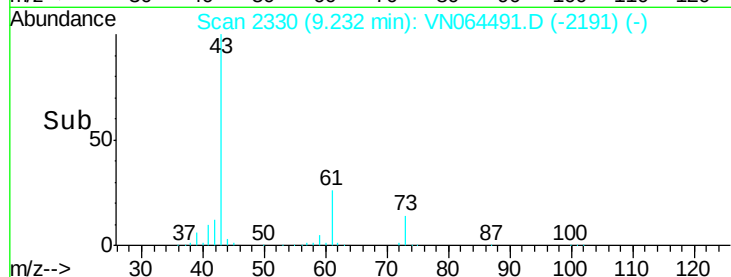
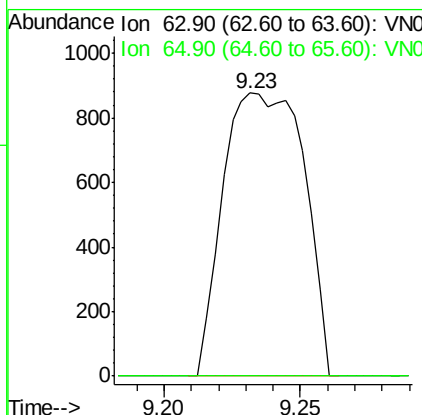
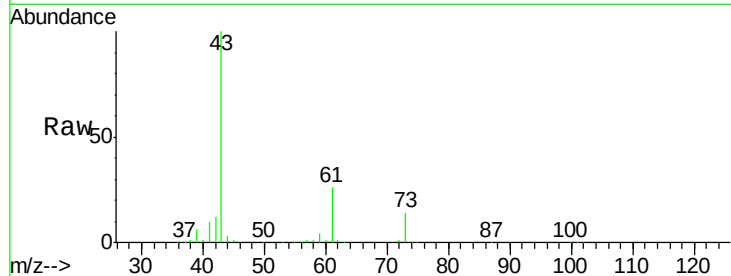




#45
 1,2-Dichloropropane
 Concen: 0.430 ug/l
 RT: 9.23 min Scan# 2330
 Delta R.T. 0.15 min
 Lab File: VN064491.D
 Acq: 6 Nov 2020 18:27

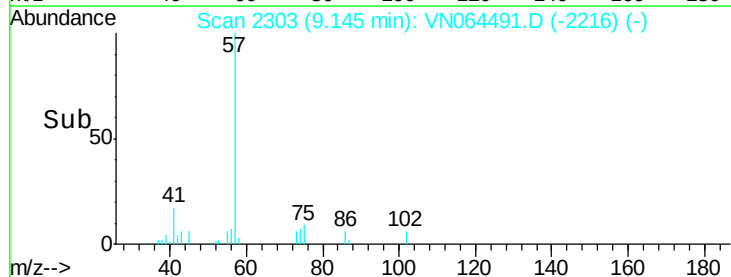
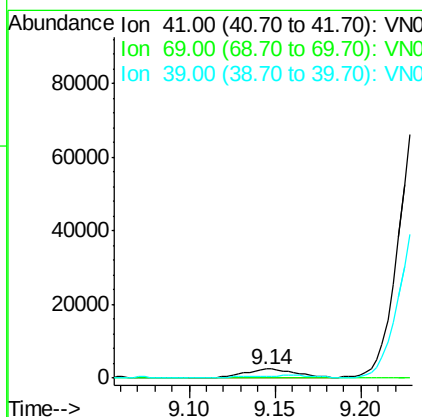
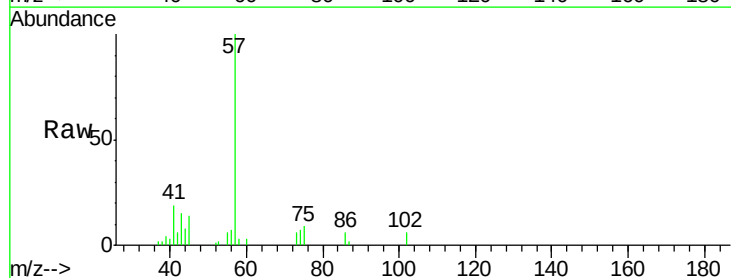
Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-4B

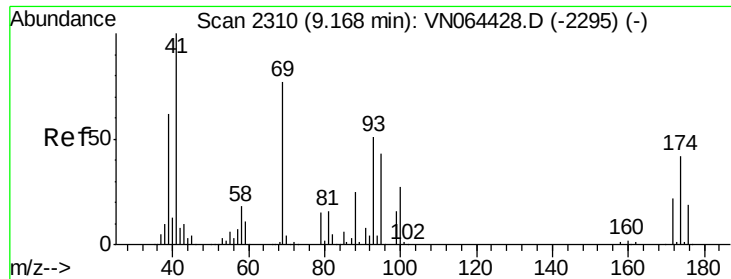
Tot Ion: 63 Resp: 1812
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.6 35.4#



#48
 Methyl methacrylate
 Concen: 1.242 ug/l
 RT: 9.14 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN064491.D
 Acq: 6 Nov 2020 18:27

Tgt Ion: 41 Resp: 5453
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.4 90.6#
 39 0.0 51.2 76.8#





#49

1,4-Dioxane

Concen: 1.020 ug/l

RT: 9.24 min Scan# 2333

Delta R.T. 0.07 min

Lab File: VN064491.D

Acq: 6 Nov 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-4B

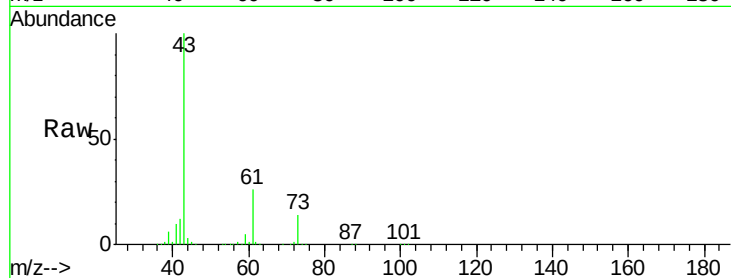
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 2660289.8 31.0 46.6#

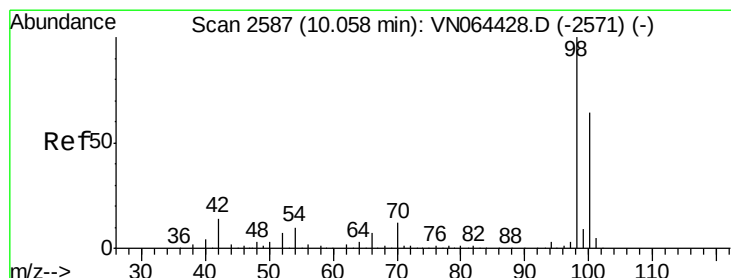
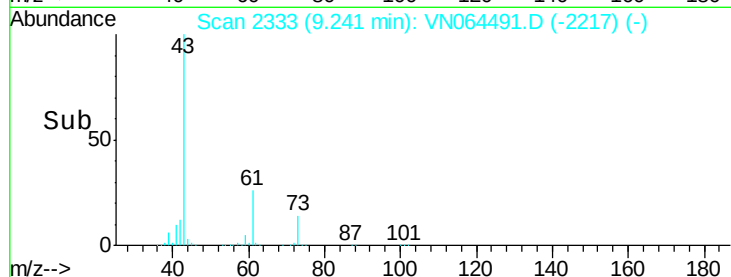
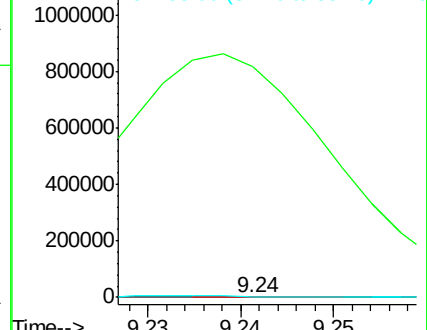
58 14049.2 58.4 87.6#



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: 50.045 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064491.D

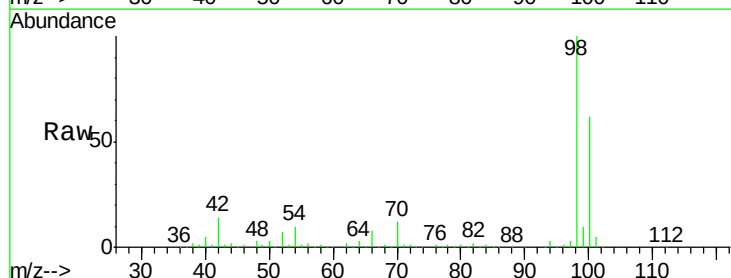
Acq: 6 Nov 2020 18:27

Tgt Ion: 98 Resp: 669537

Ion Ratio Lower Upper

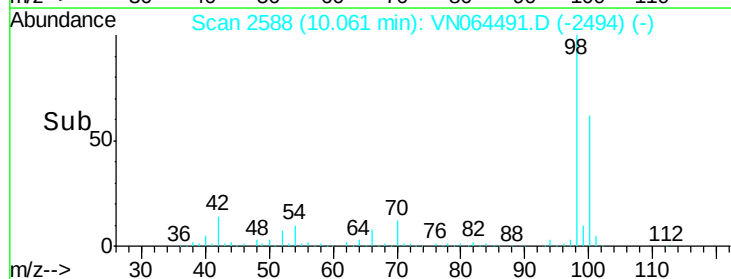
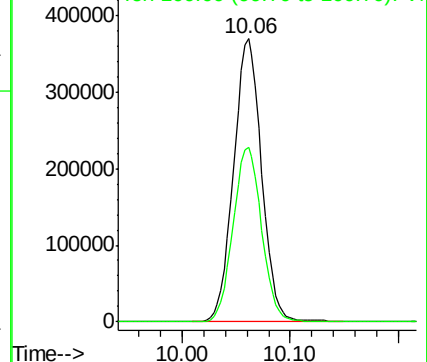
98 100

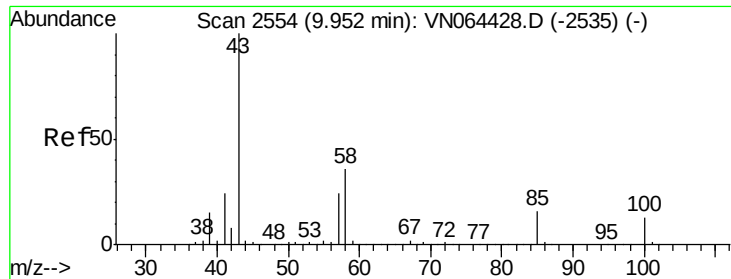
100 62.7 50.7 76.1



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: 1.349 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064491.D

Acq: 6 Nov 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

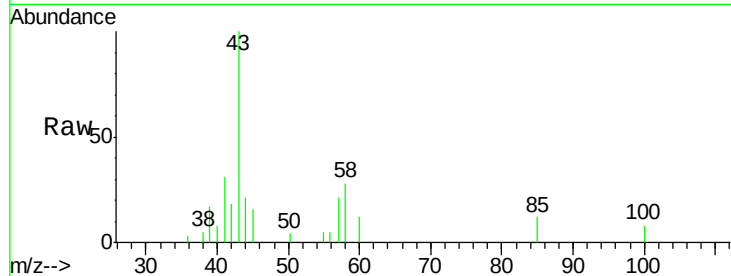
CONTAINER-002-4B

Tot Ion: 43 Resp: 6846

Ion Ratio Lower Upper

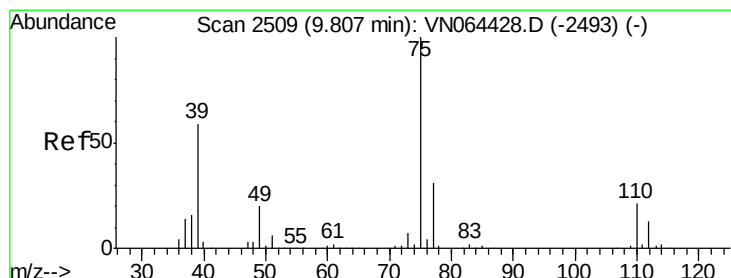
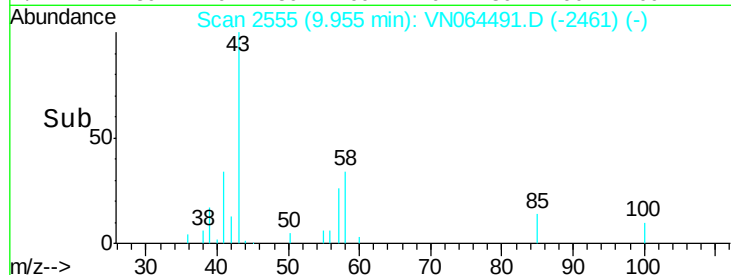
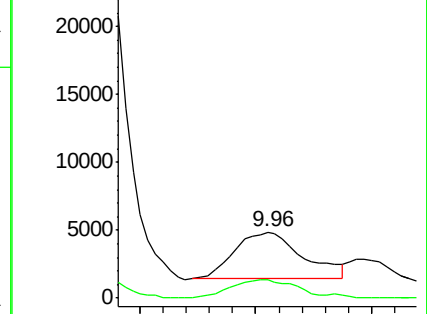
43 100

58 40.6 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.546 ug/l

RT: 9.88 min Scan# 2531

Delta R.T. 0.07 min

Lab File: VN064491.D

Acq: 6 Nov 2020 18:27

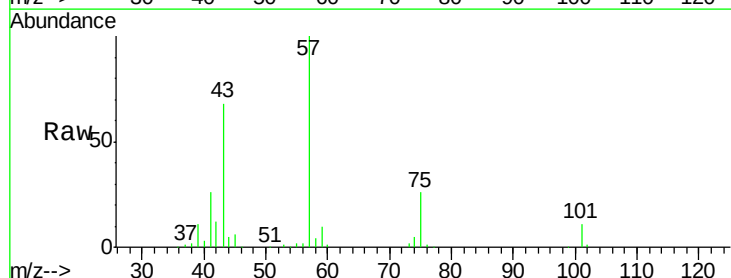
Tgt Ion: 75 Resp: 37470

Ion Ratio Lower Upper

75 100

77 0.8 24.9 37.3#

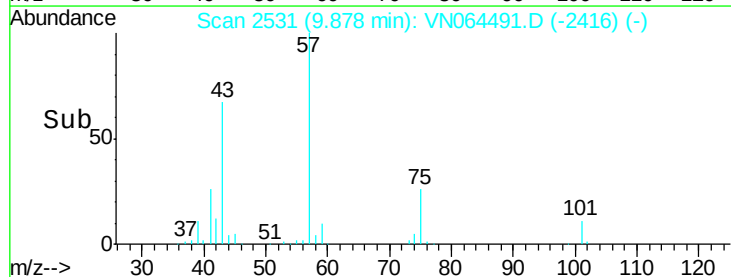
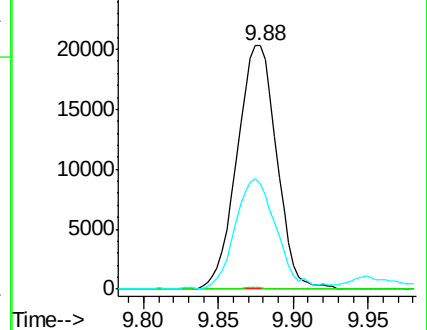
39 42.5 47.1 70.7#

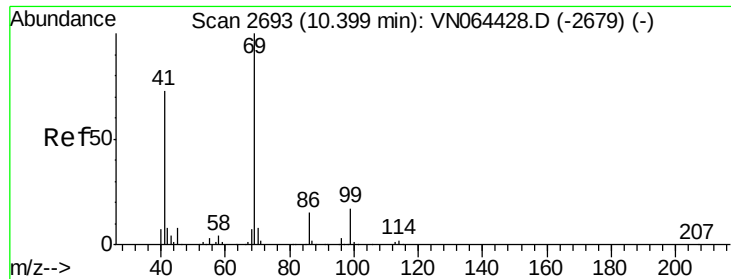


Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN064428.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2493) (-)





#56

Ethyl methacrylate

Concen: 2.305 ug/l

RT: 10.52 min Scan# 2731

Delta R.T. 0.12 min

Lab File: VN064491.D

Acq: 6 Nov 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-4B

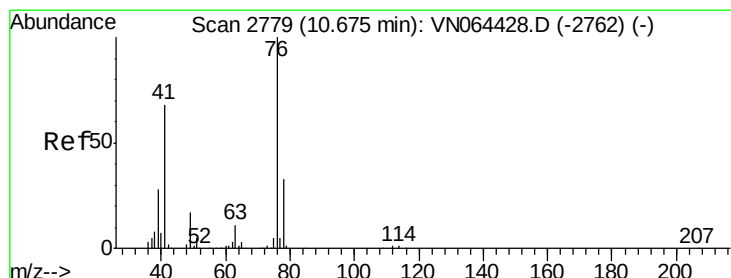
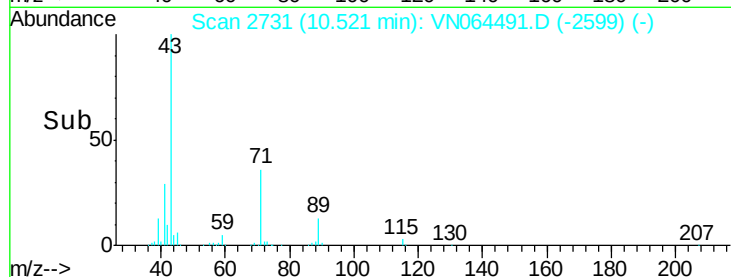
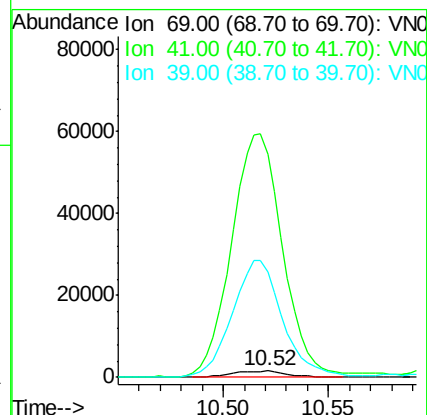
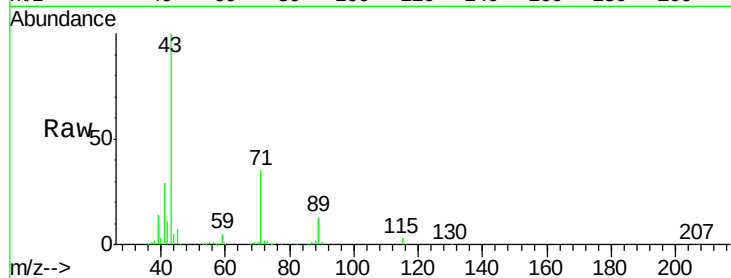
Tot Ion: 69 Resp: 2974

Ion Ratio Lower Upper

69 100

41 3340.5 59.3 88.9#

39 1603.2 35.4 53.0#



#57

1,3-Dichloropropane

Concen: 0.941 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064491.D

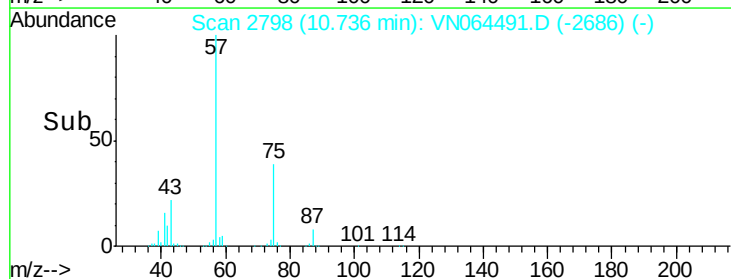
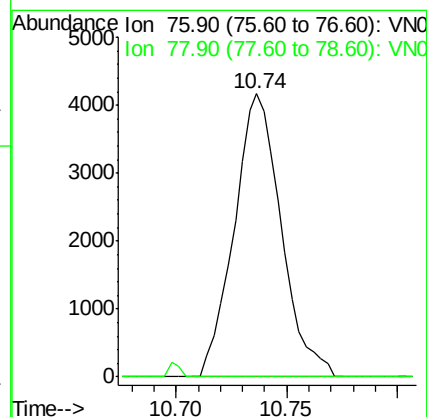
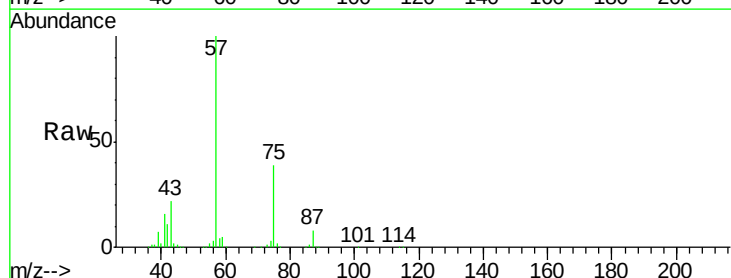
Acq: 6 Nov 2020 18:27

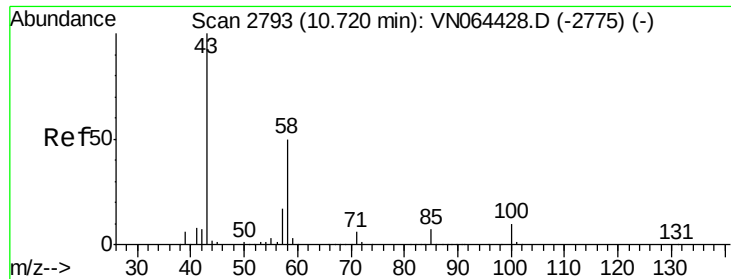
Tgt Ion: 76 Resp: 6169

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

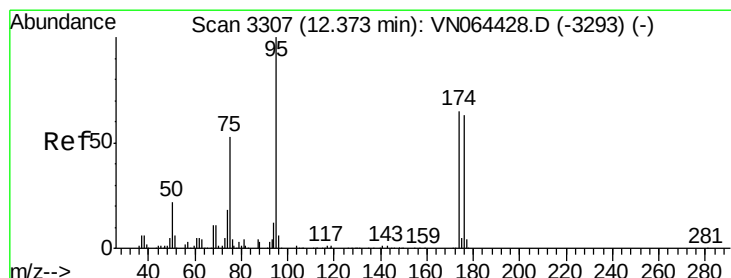
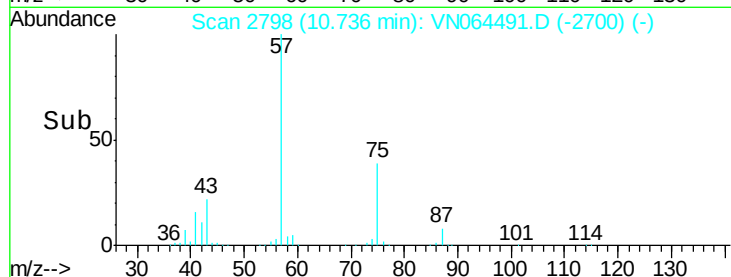
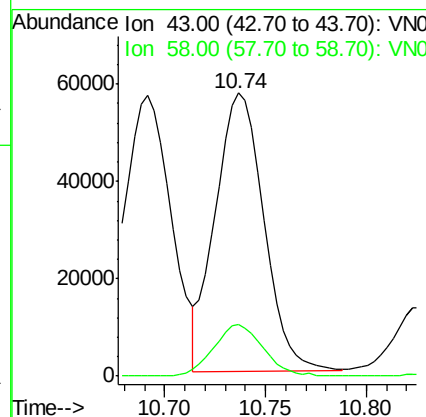
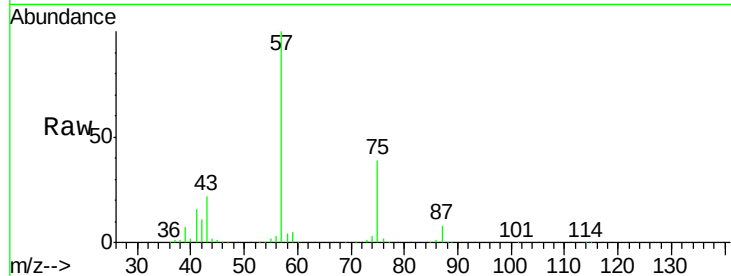




#59
2-Hexanone
Concen: 26.786 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064491.D
Acq: 6 Nov 2020 18:27

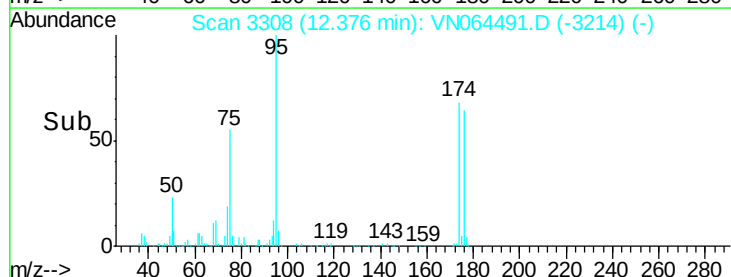
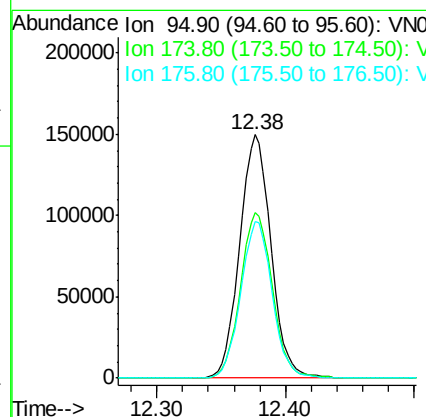
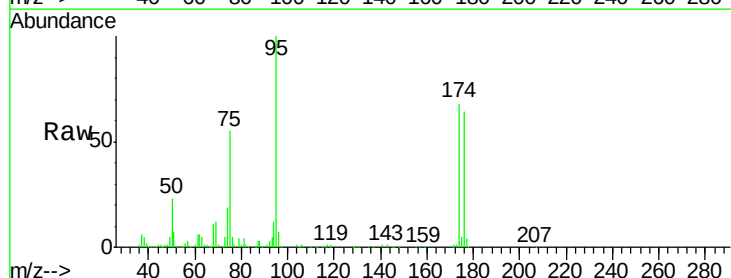
Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-4B

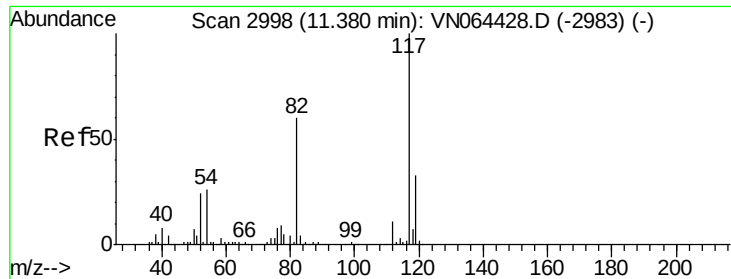
Tot Ion: 43 Resp: 95739
Ion Ratio Lower Upper
43 100
58 18.9 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.960 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064491.D
Acq: 6 Nov 2020 18:27

Tgt Ion: 95 Resp: 252784
Ion Ratio Lower Upper
95 100
174 69.6 0.0 132.6
176 64.6 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: VN064491.D

Acq: 6 Nov 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-4B

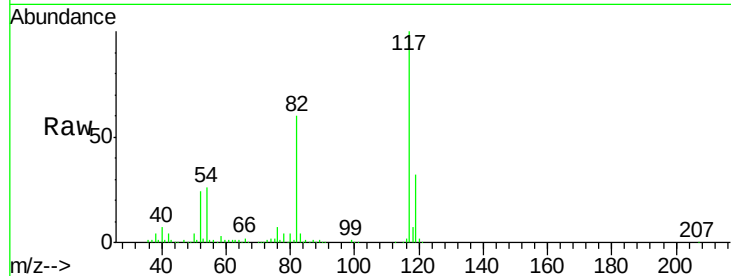
Tot Ion:117 Resp: 539286

Ion Ratio Lower Upper

117 100

82 59.8 48.1 72.1

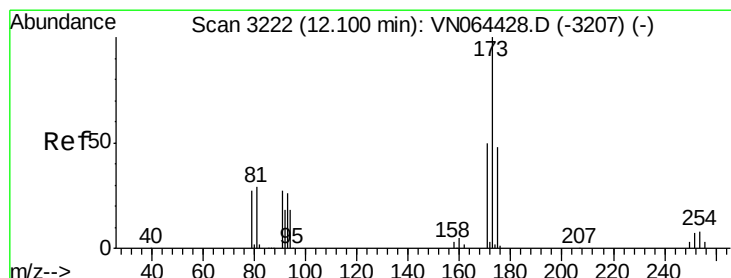
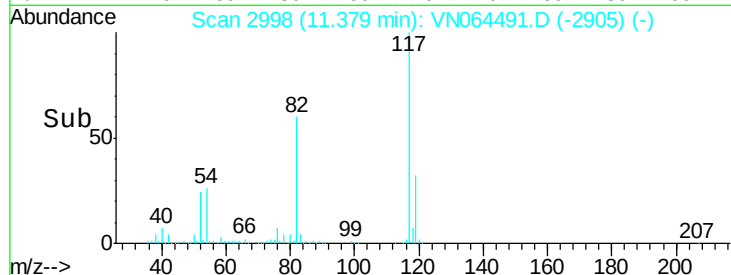
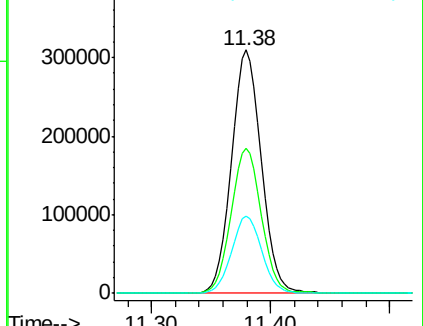
119 31.6 26.2 39.4



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: 1.688 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064491.D

Acq: 6 Nov 2020 18:27

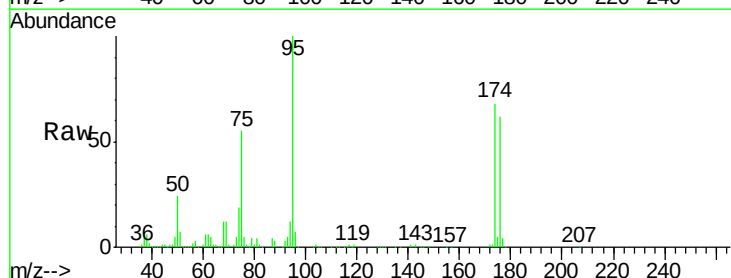
Tgt Ion:173 Resp: 1402

Ion Ratio Lower Upper

173 100

175 750.8 23.7 71.1#

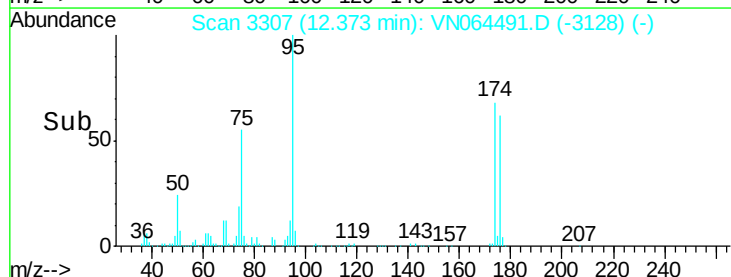
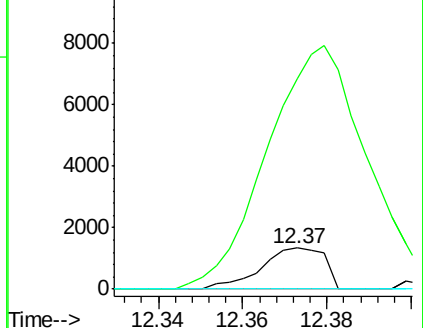
254 0.0 0.0 0.0

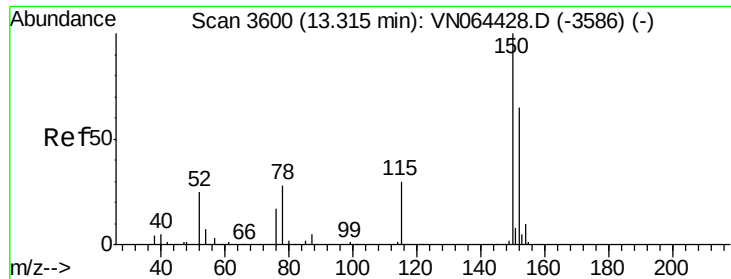


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

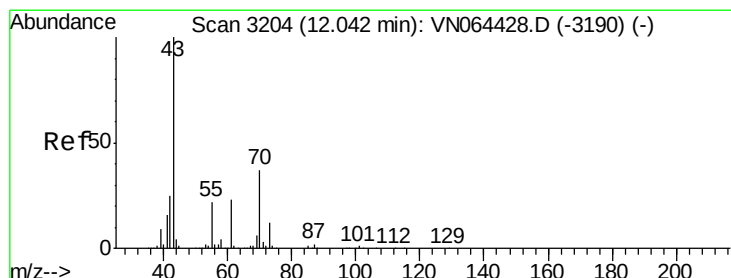
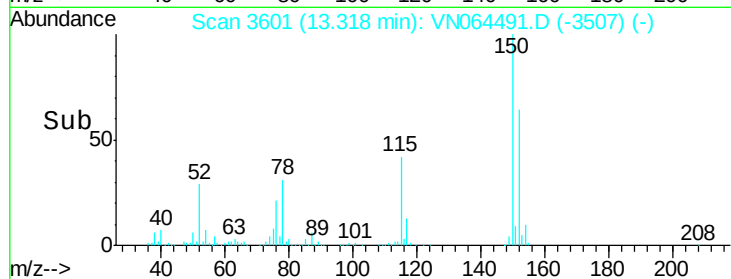
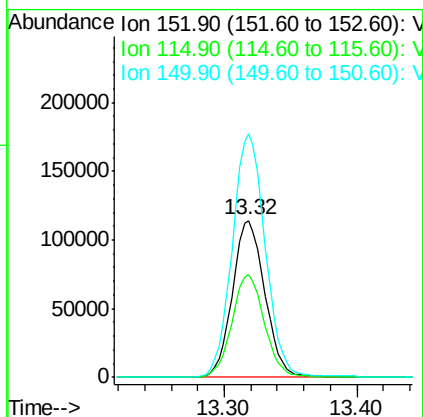
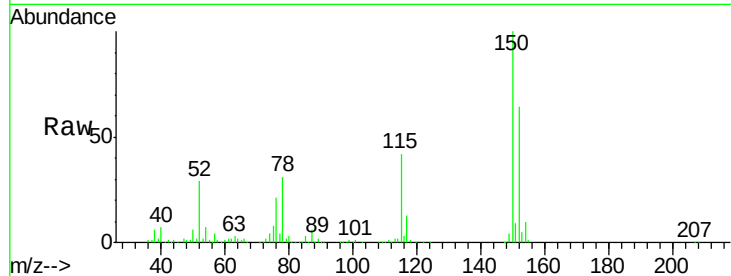




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN064491.D
 Acq: 6 Nov 2020 18:27

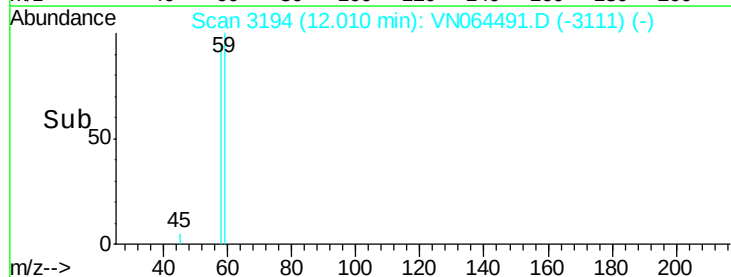
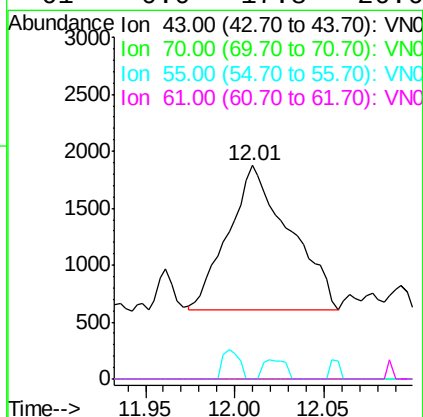
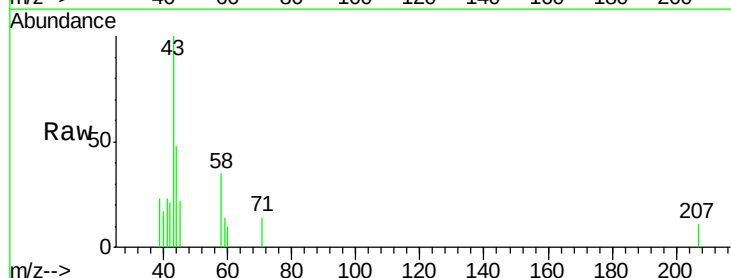
Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-4B

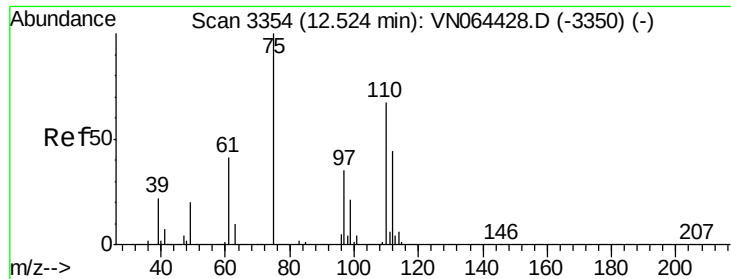
Tot Ion:152 Resp: 194113
 Ion Ratio Lower Upper
 152 100
 115 65.6 32.0 96.0
 150 157.7 0.0 353.8



#74
 N-ethyl acetate
 Concen: 1.611 ug/l
 RT: 12.01 min Scan# 3194
 Delta R.T. -0.03 min
 Lab File: VN064491.D
 Acq: 6 Nov 2020 18:27

Tgt Ion: 43 Resp: 3042
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.6 44.4#
 55 5.0 18.4 27.6#
 61 0.0 17.8 26.6#

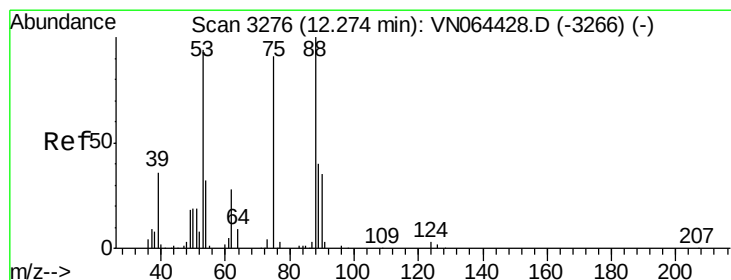
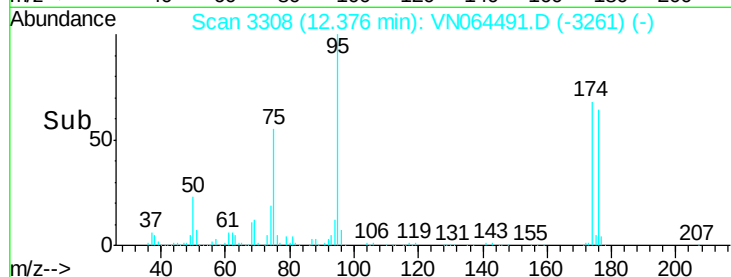
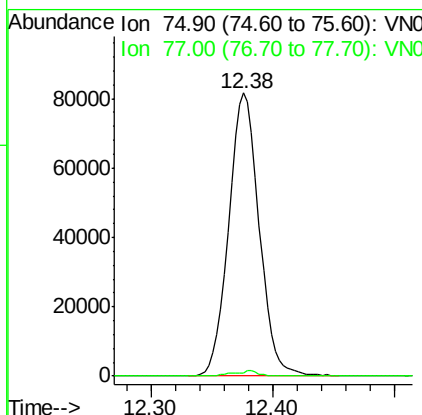
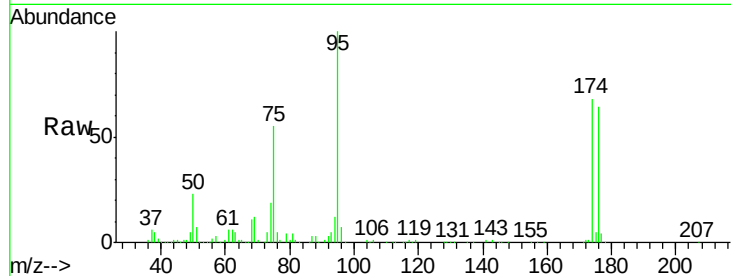




#76
 1,2,3-Trichloropropane
 Concen: 30.237 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064491.D
 Acq: 6 Nov 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-4B

Tot Ion: 75 Resp: 142212
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.426 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064491.D
 Acq: 6 Nov 2020 18:27

Tgt Ion: 75 Resp: 142212
 Ion Ratio Lower Upper
 75 100
 53 0.2 84.0 126.0#
 89 0.0 36.3 54.5#

