

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064638.D
 Acq On : 13 Nov 2020 18:22
 Operator : JC/MD
 Sample : L4748-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Nov 17 01:58:57 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	220475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	462437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	472409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	225024	58.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.18%	
35) Dibromofluoromethane	7.55	113	167120	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.06	98	592659	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.38	95	217451	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	

Target Compounds

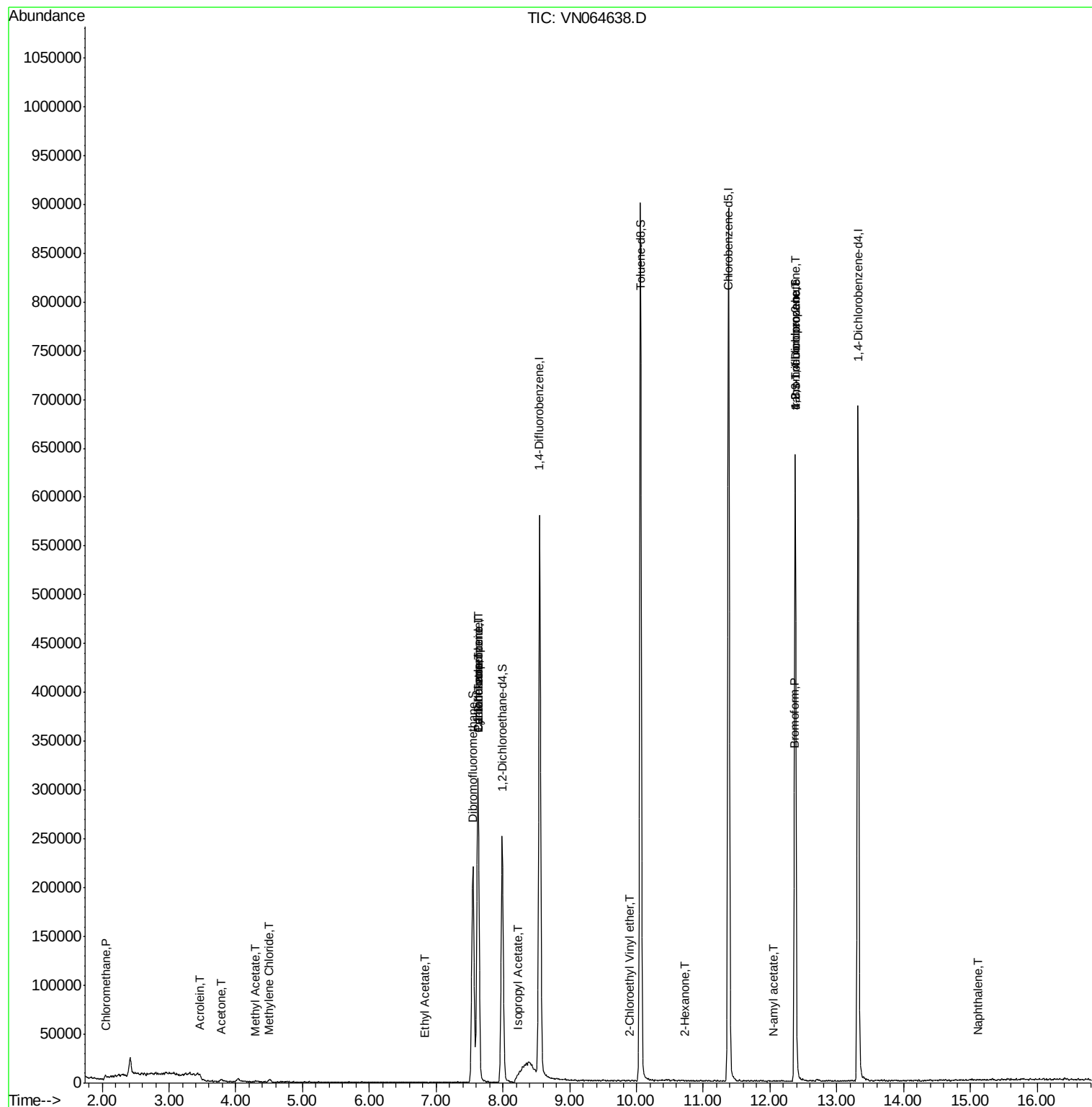
						Qvalue
3) Chloromethane	2.05	50	1973	0.566	ug/l #	74
13) Acrolein	3.45	56	78	0.297	ug/l #	65
16) Acetone	3.78	43	4502	3.078	ug/l	94
18) Methyl Acetate	4.29	43	720	0.250	ug/l #	55
20) Methylene Chloride	4.51	84	1209	0.417	ug/l #	50
31) Cyclohexane	7.63	56	7679	1.645	ug/l #	22
36) 1,1-Dichloropropene	7.63	75	21107	4.320	ug/l #	50
37) Ethyl Acetate	6.84	43	30	0.768	ug/l #	71
38) Carbon Tetrachloride	7.63	117	25076	4.803	ug/l #	16
43) Isopropyl Acetate	8.21	43	4735	0.598	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.90	63	34	21.550	ug/l #	51
59) 2-Hexanone	10.73	43	68	4.046	ug/l #	28
71) Bromoform	12.35	173	50	1.292	ug/l #	29
74) N-amyl acetate	12.04	43	159	1.238	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	123688	30.132	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123688	84.133	ug/l #	8
95) Naphthalene	15.12	128	70	3.630	ug/l #	69

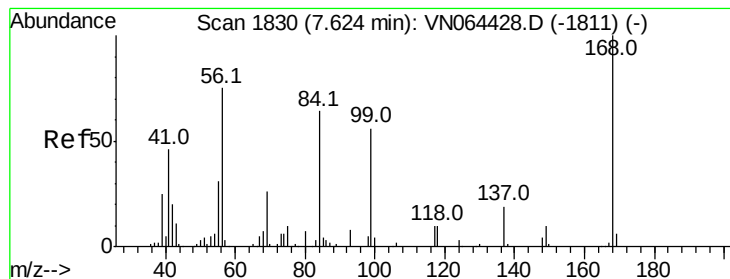
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

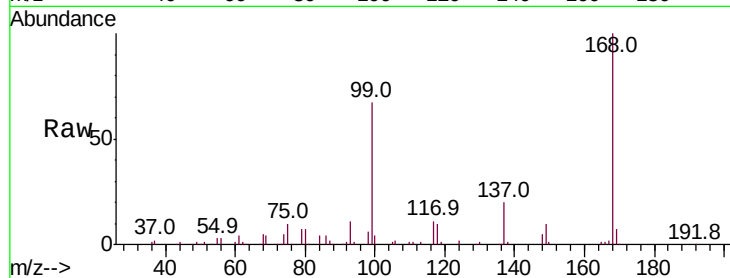
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 220475

Ion Ratio Lower Upper

168 100

99 67.2 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

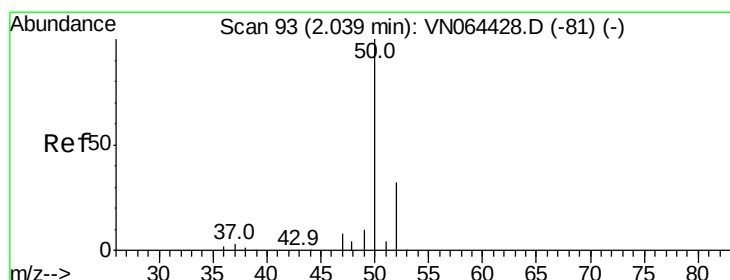
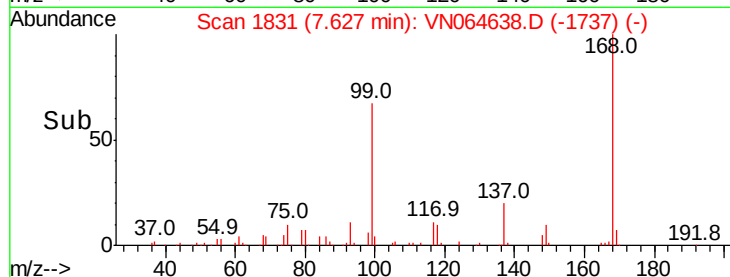
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.566 ug/l

RT: 2.05 min Scan# 95

Delta R.T. 0.01 min

Lab File: VN064638.D

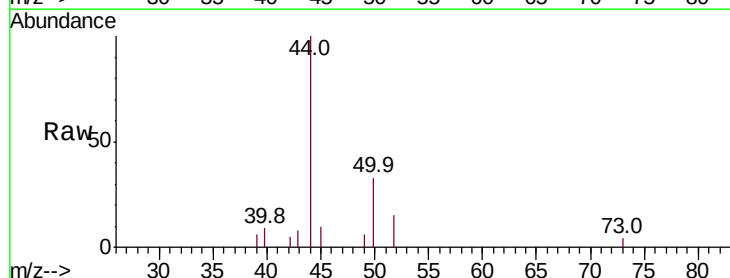
Acq: 13 Nov 2020 18:22

Tgt Ion: 50 Resp: 1973

Ion Ratio Lower Upper

50 100

52 46.0 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.05

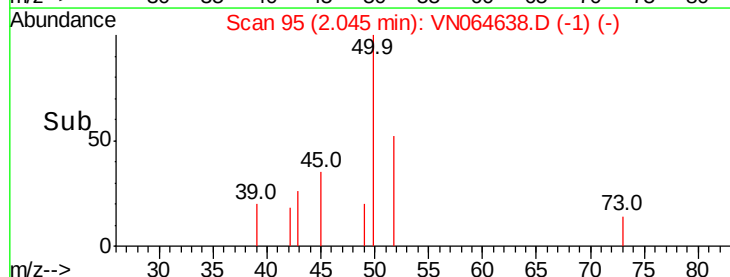
1500

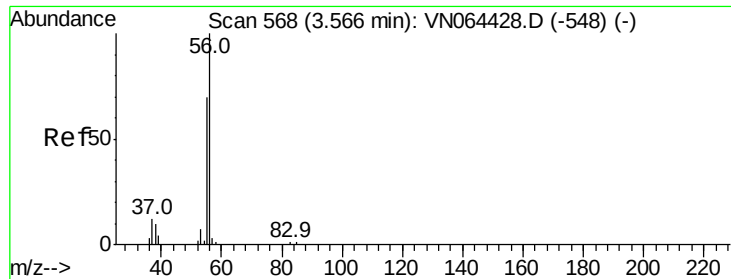
1000

500

0

Time--> 2.00 2.05





#13

Acrolein

Concen: 0.297 ug/l

RT: 3.45 min Scan# 531

Delta R.T. -0.12 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

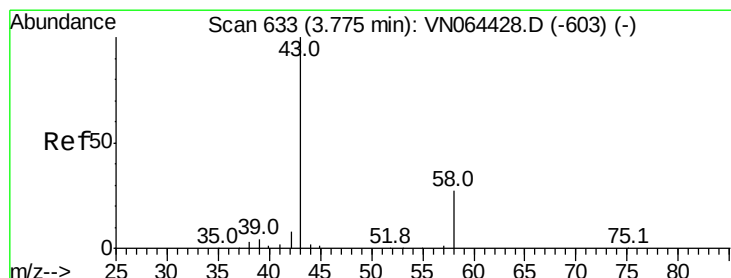
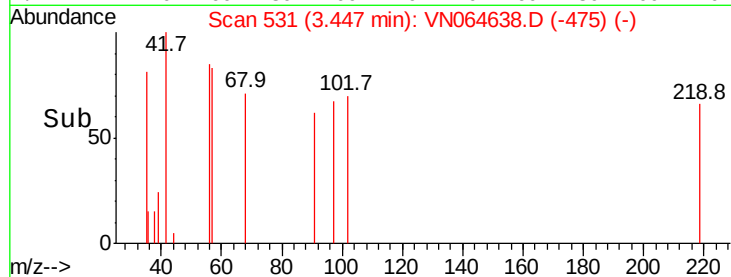
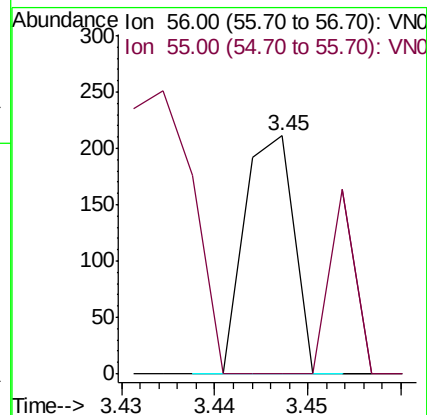
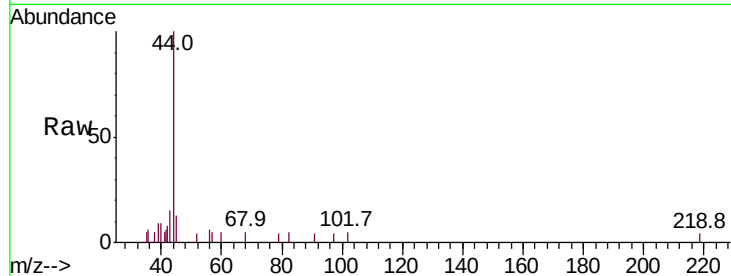
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 41.0 55.9 83.9#



#16

Acetone

Concen: 3.078 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064638.D

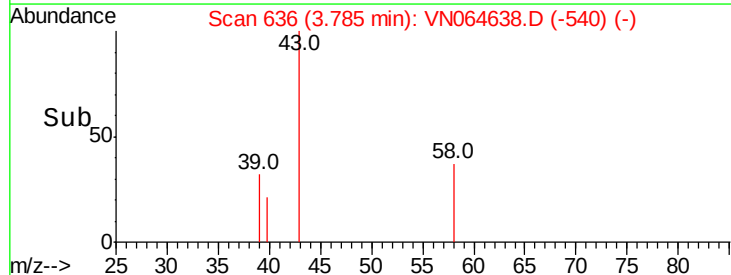
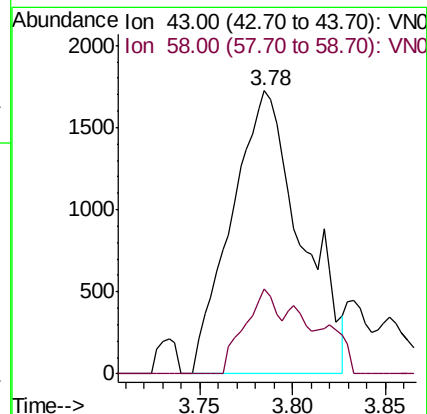
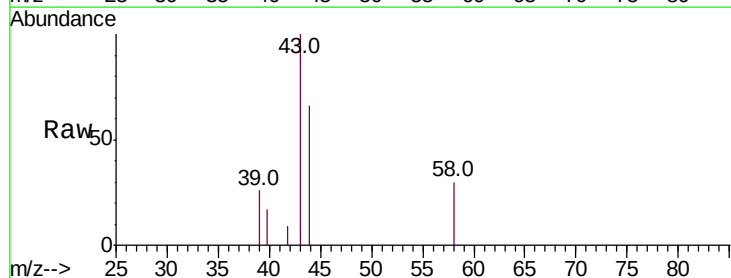
Acq: 13 Nov 2020 18:22

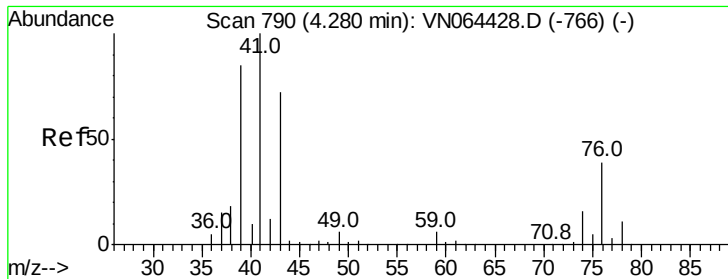
Tgt Ion: 43 Resp: 4502

Ion Ratio Lower Upper

43 100

58 29.9 21.4 32.0





#18

Methyl Acetate

Concen: 0.250 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

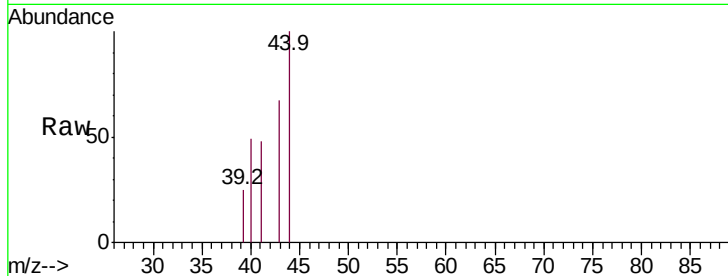
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 720

Ion Ratio Lower Upper

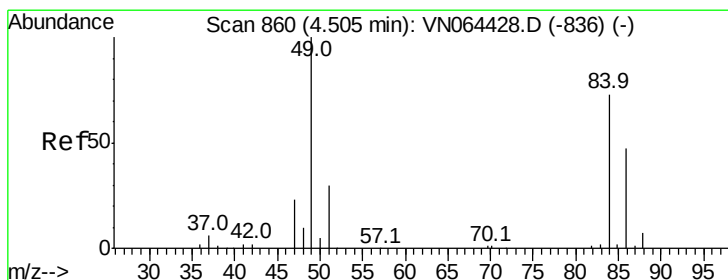
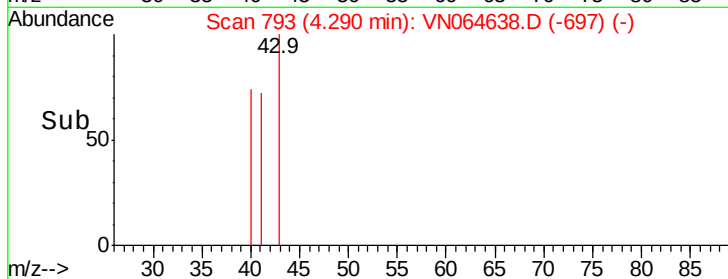
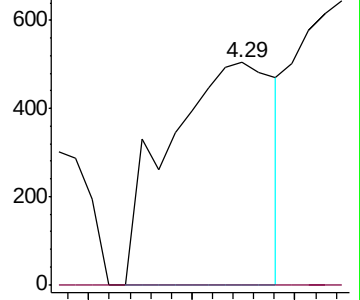
43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 0.417 ug/l

RT: 4.51 min Scan# 860

Delta R.T. -0.00 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

Tgt Ion: 84 Resp: 1209

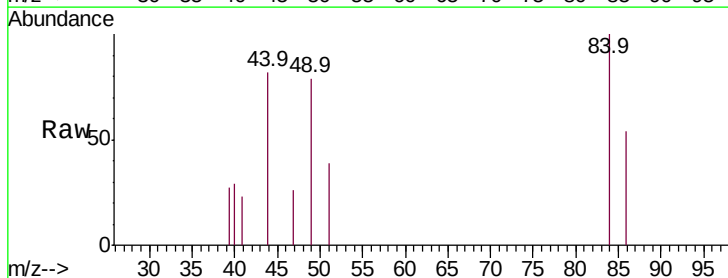
Ion Ratio Lower Upper

84 100

49 52.3 110.1 165.1#

51 17.8 33.6 50.4#

86 54.0 52.1 78.1

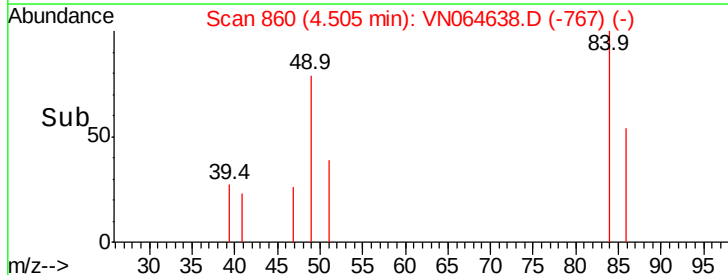
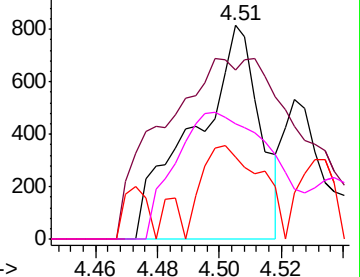


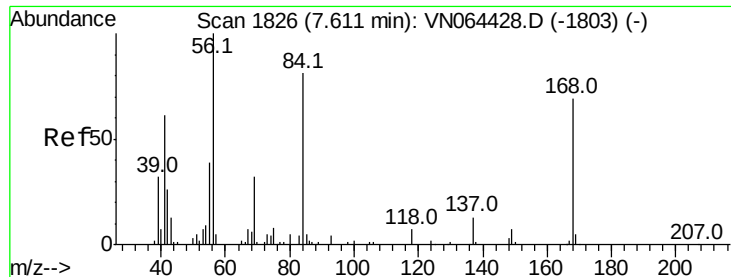
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#31

Cyclohexane

Concen: 1.645 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

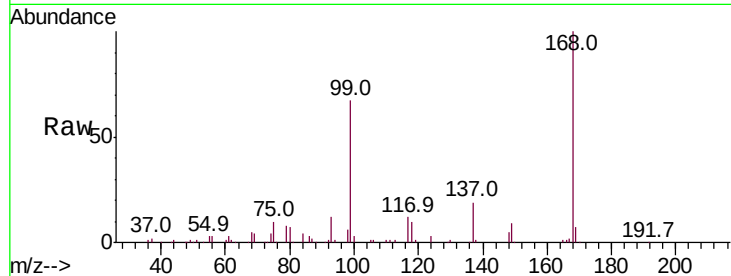
Tot Ion: 56 Resp: 7679

Ion Ratio Lower Upper

56 100

69 133.3 25.6 38.4#

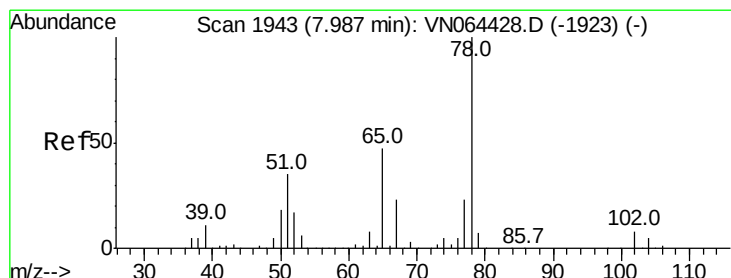
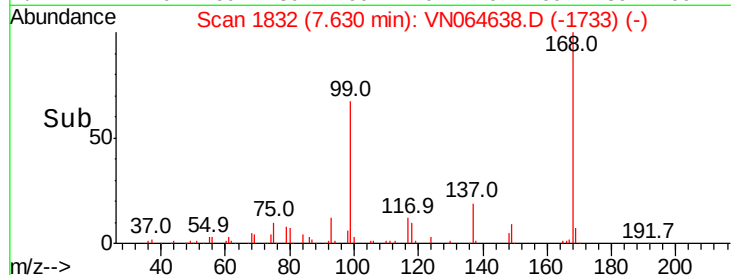
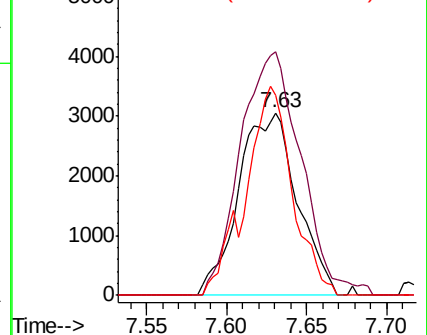
84 109.7 63.0 94.6#



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: 58.595 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064638.D

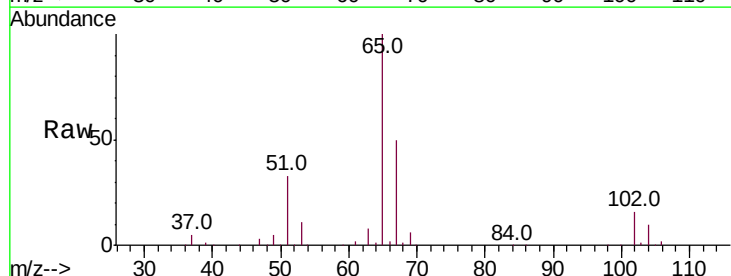
Acq: 13 Nov 2020 18:22

Tgt Ion: 65 Resp: 225024

Ion Ratio Lower Upper

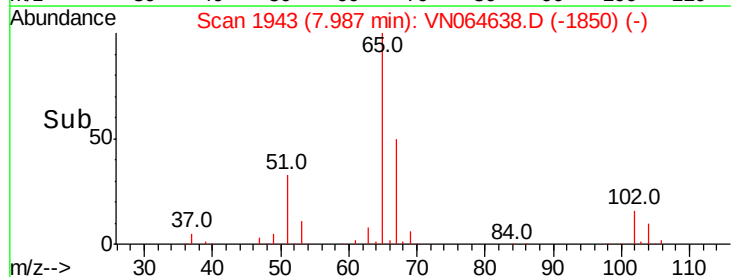
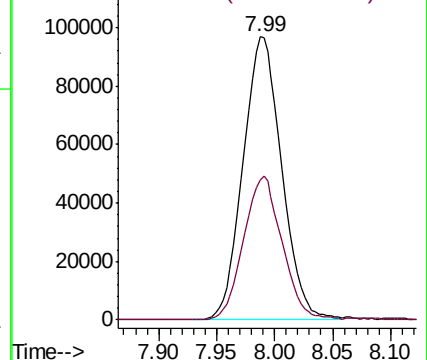
65 100

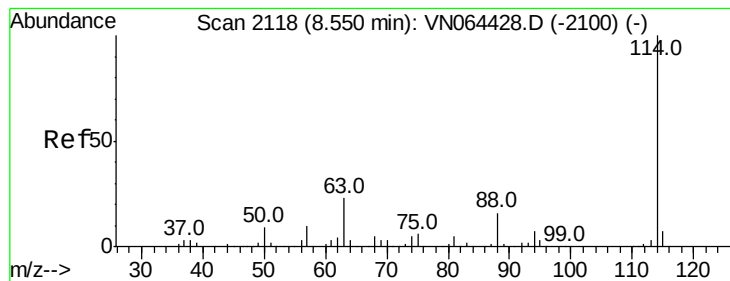
67 50.4 0.0 101.6



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# 2118

Delta R.T. -0.00 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

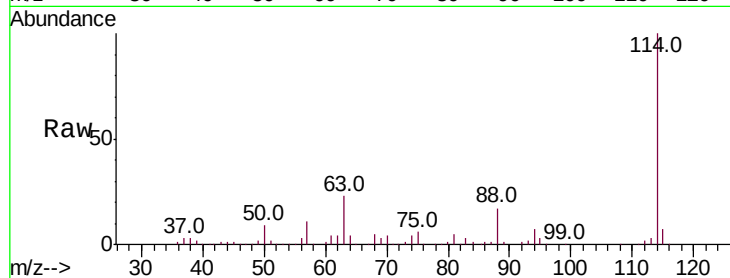
Tot Ion:114 Resp: 462437

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

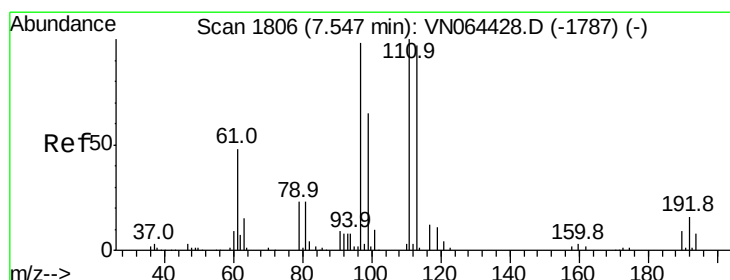
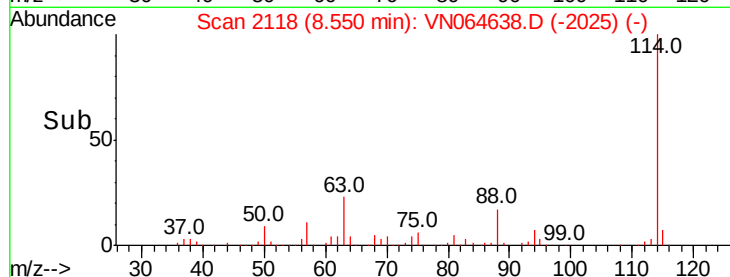
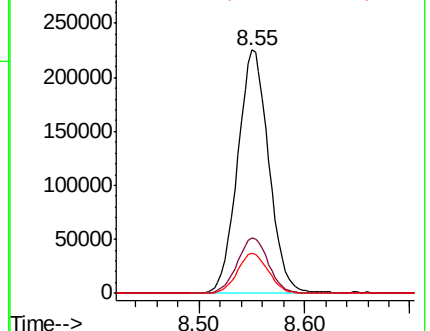
88 16.6 0.0 32.8



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: 53.078 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

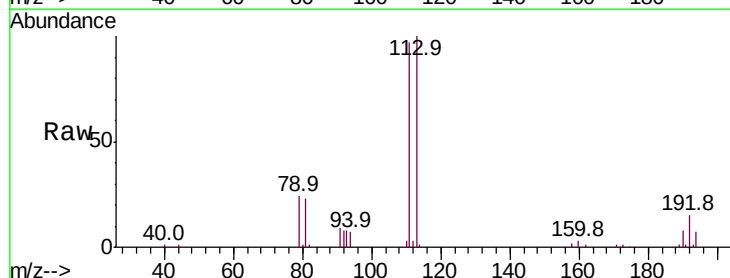
Tgt Ion:113 Resp: 167120

Ion Ratio Lower Upper

113 100

111 100.2 81.1 121.7

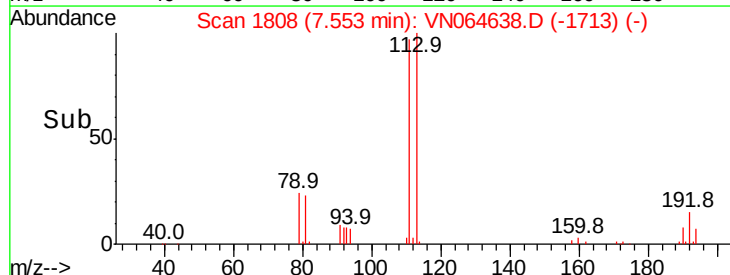
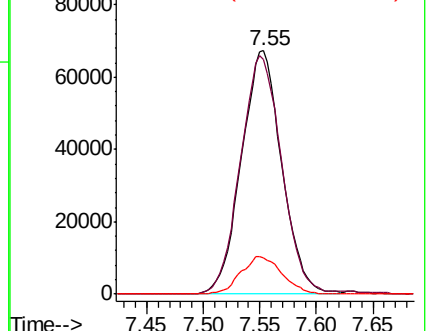
192 15.8 12.8 19.2

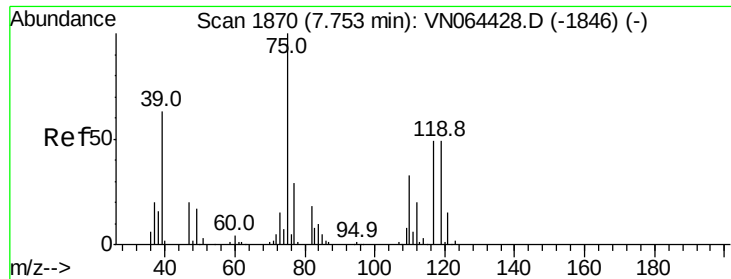


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

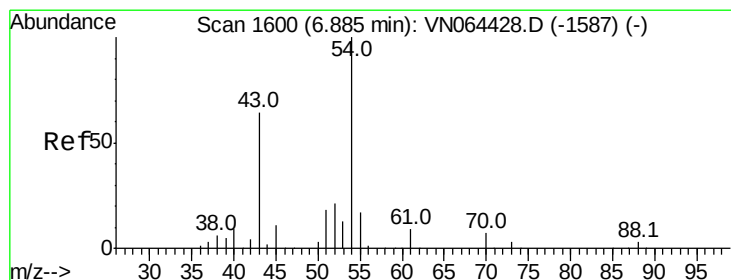
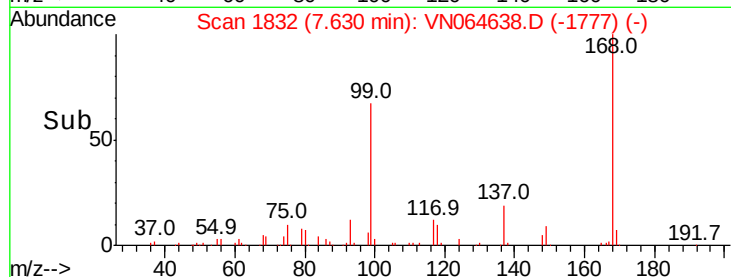
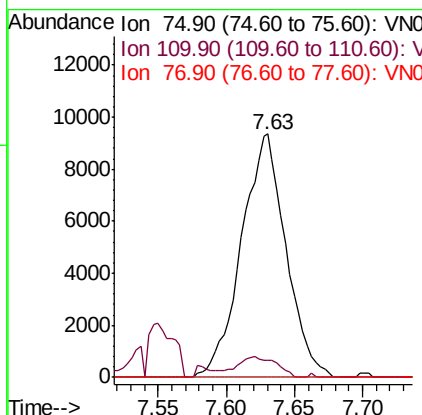
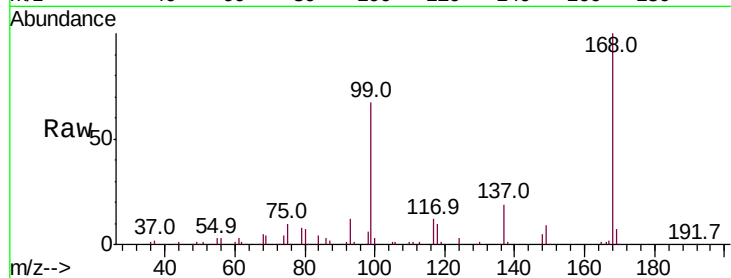




#36
 1,1-Dichloropropene
 Concen: 4.320 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064638.D
 Acq: 13 Nov 2020 18:22

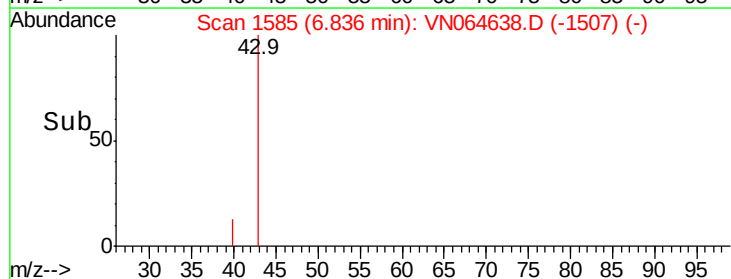
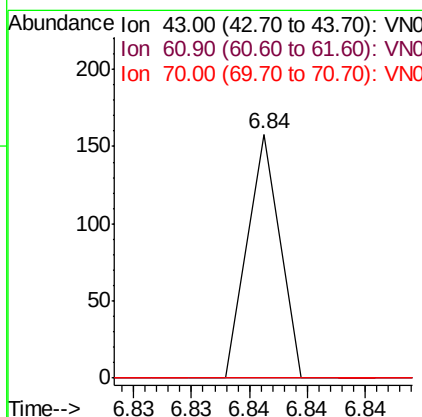
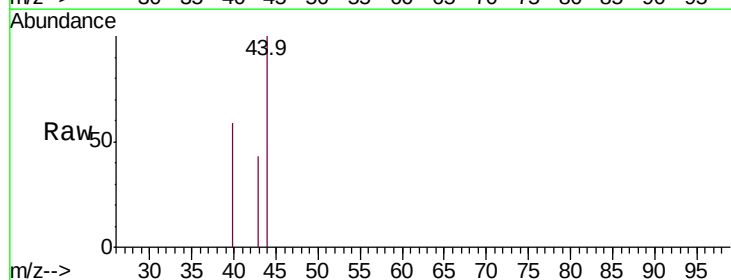
Instrument :
 MSVOA_N
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 STORAGE-BLANK-SAMPLE-MANA

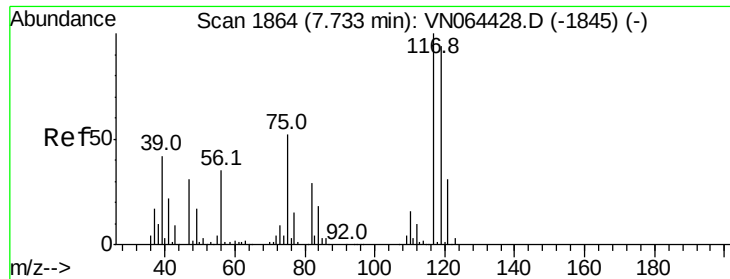
Tot Ion: 75 Resp: 21107
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.768 ug/l
 RT: 6.84 min Scan# 1585
 Delta R.T. -0.05 min
 Lab File: VN064638.D
 Acq: 13 Nov 2020 18:22

Tgt Ion: 43 Resp: 30
 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# 1832

Delta R.T. -0.10 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

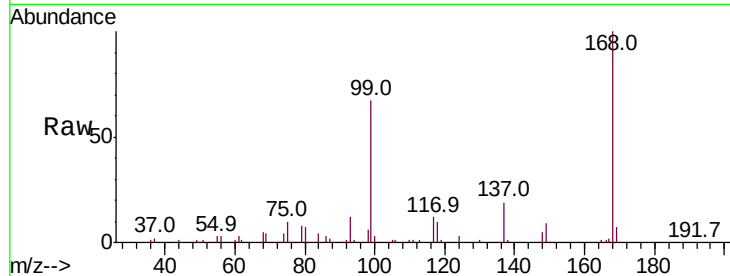
Tot Ion:117 Resp: 25076

Ion Ratio Lower Upper

117 100

119 4.7 75.5 113.3#

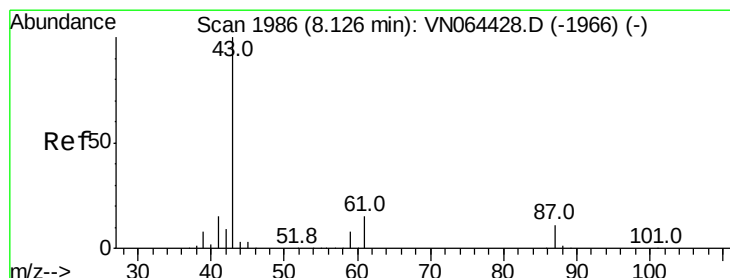
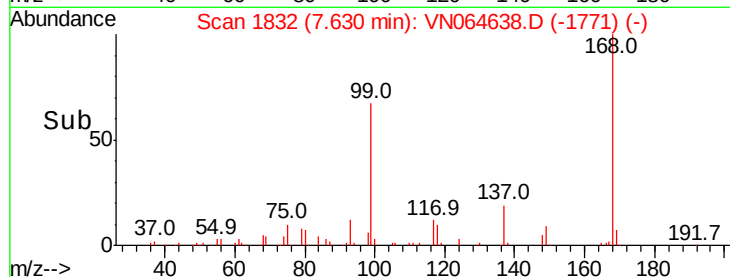
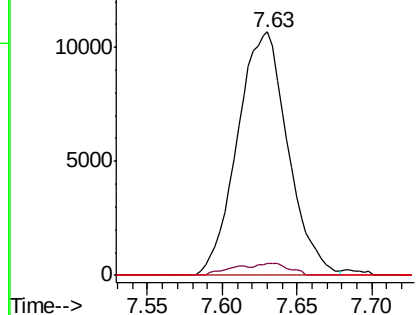
121 0.0 24.4 36.6#



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: 0.598 ug/l

RT: 8.21 min Scan# 2013

Delta R.T. 0.09 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

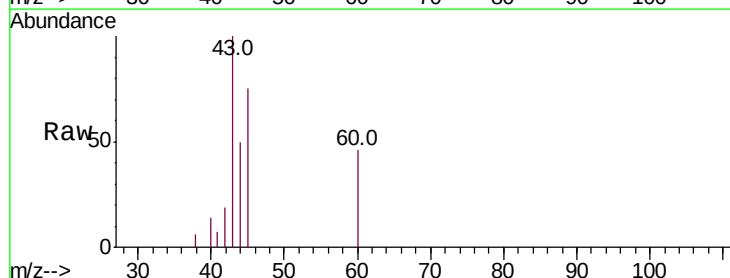
Tgt Ion: 43 Resp: 4735

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

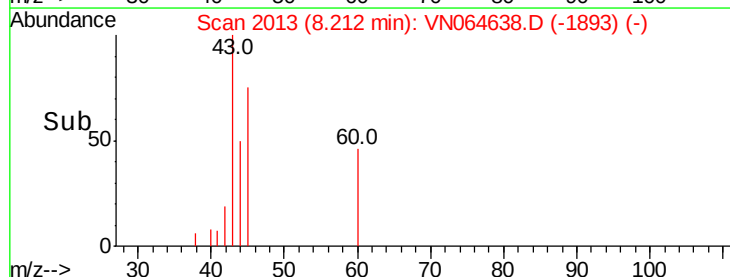
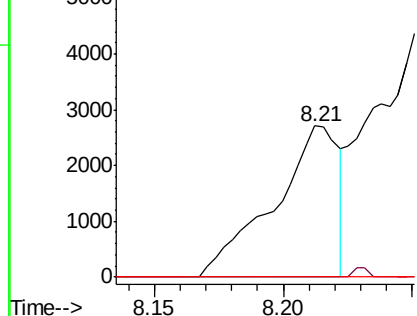
87 0.0 9.1 13.7#

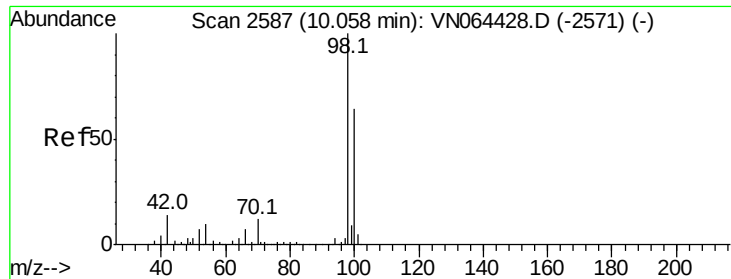


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 48.702 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

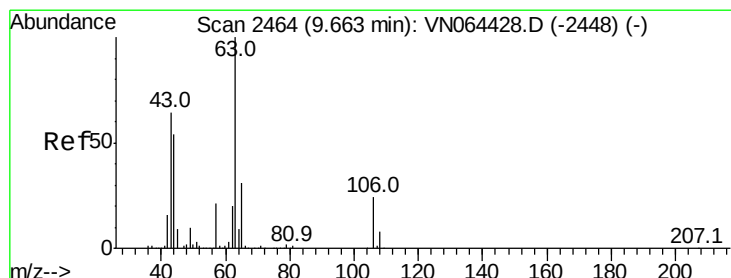
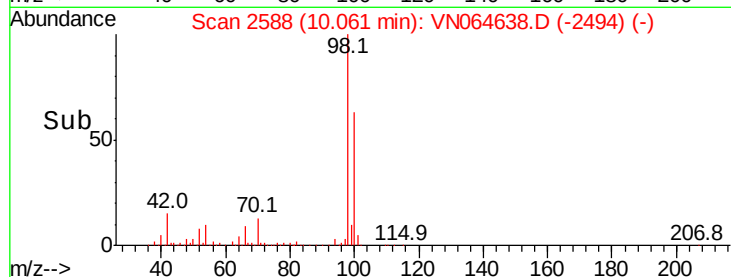
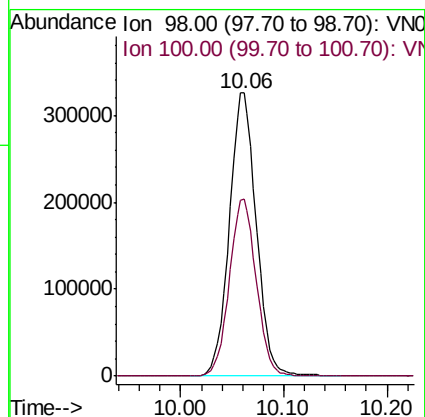
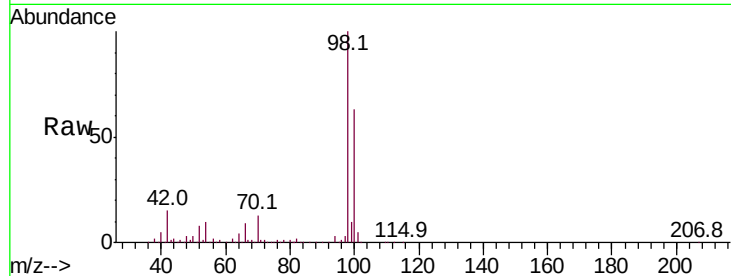
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 592659

Ion Ratio Lower Upper

98 100

100 62.2 50.7 76.1



#58

2-Chloroethyl Vinyl ether

Concen: 21.550 ug/l

RT: 9.90 min Scan# 2538

Delta R.T. 0.24 min

Lab File: VN064638.D

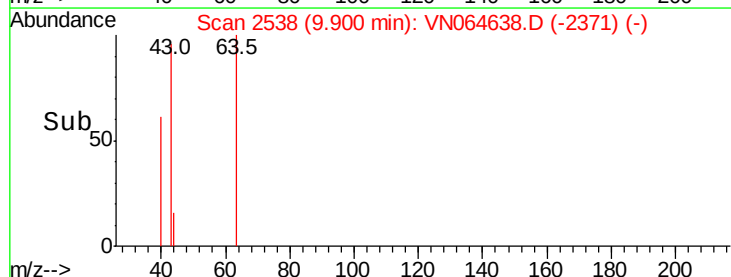
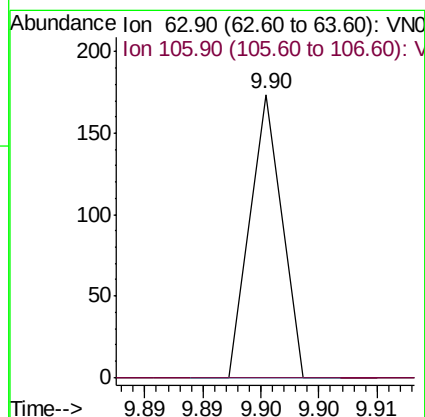
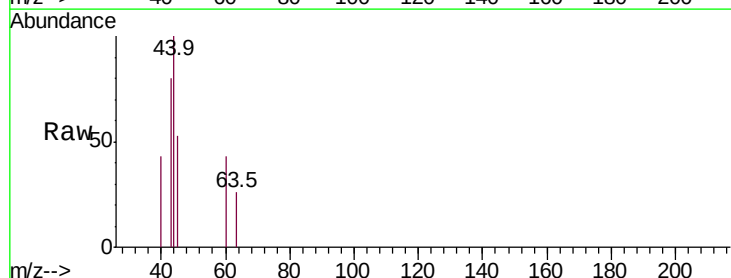
Acq: 13 Nov 2020 18:22

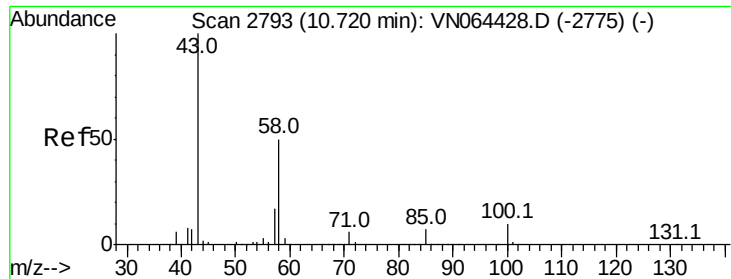
Tgt Ion: 63 Resp: 34

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#

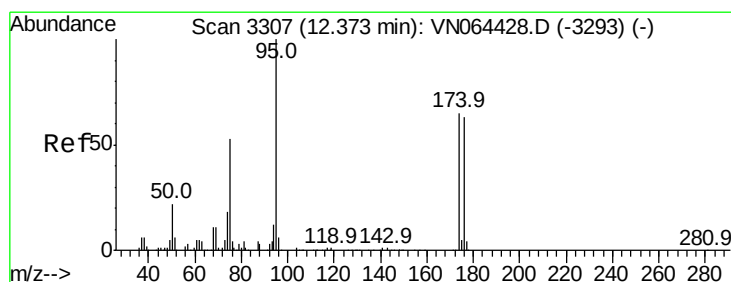
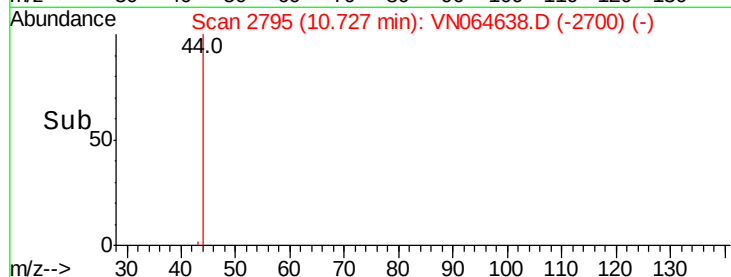
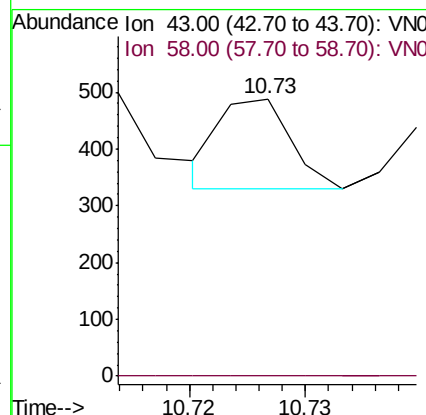
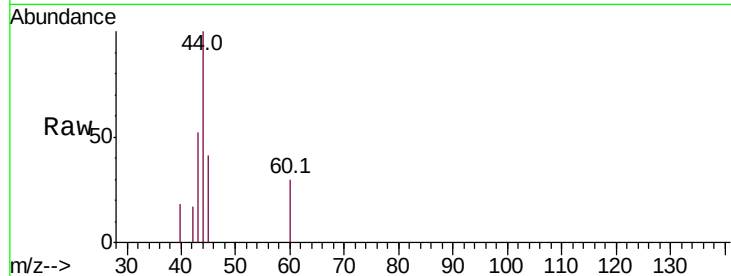




#59
2-Hexanone
Concen: 4.046 ug/l
RT: 10.73 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN064638.D
Acq: 13 Nov 2020 18:22

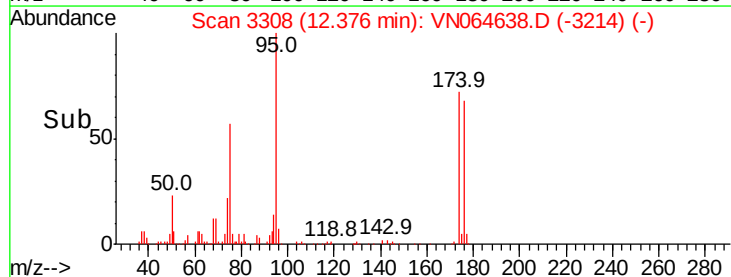
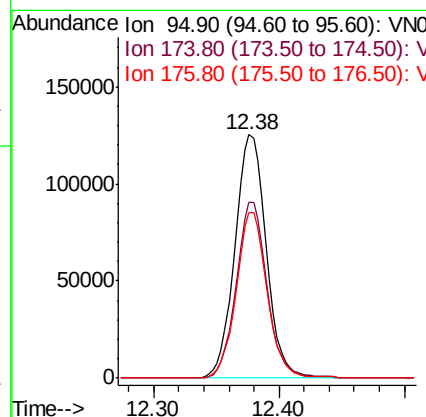
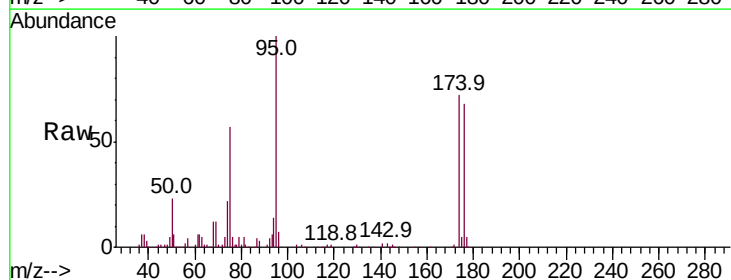
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

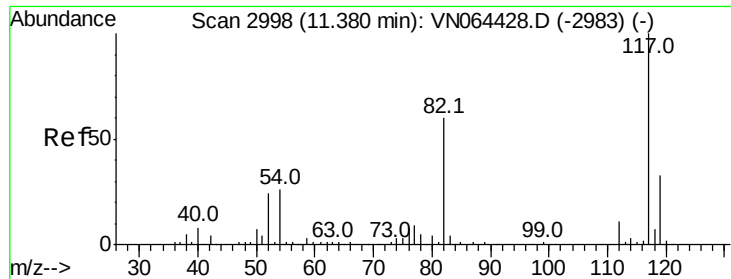
Tot Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 47.249 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064638.D
Acq: 13 Nov 2020 18:22

Tgt Ion: 95 Resp: 217451
Ion Ratio Lower Upper
95 100
174 71.0 0.0 132.6
176 67.4 0.0 129.2

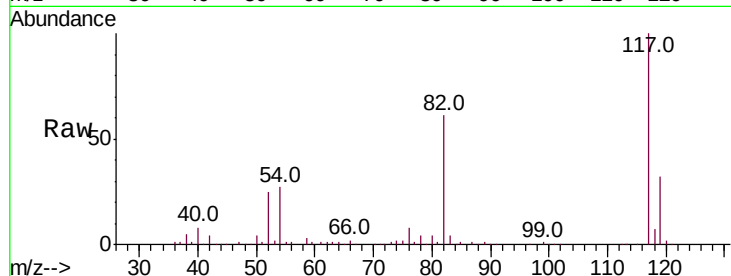




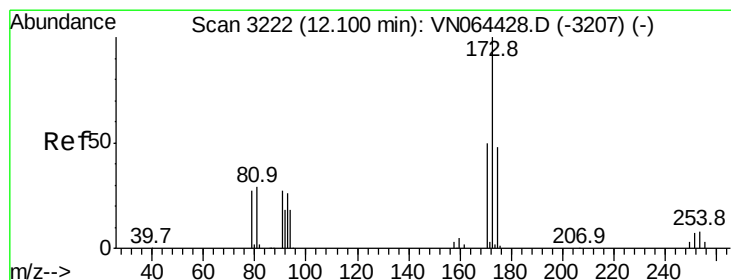
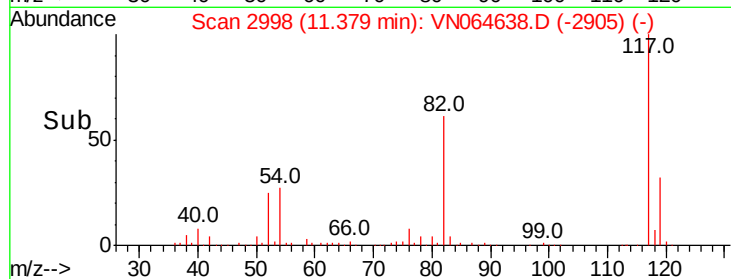
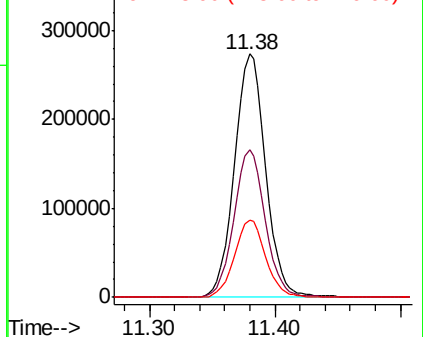
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064638.D
Acq: 13 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 472409
Ion Ratio Lower Upper
117 100
82 60.6 48.1 72.1
119 31.9 26.2 39.4

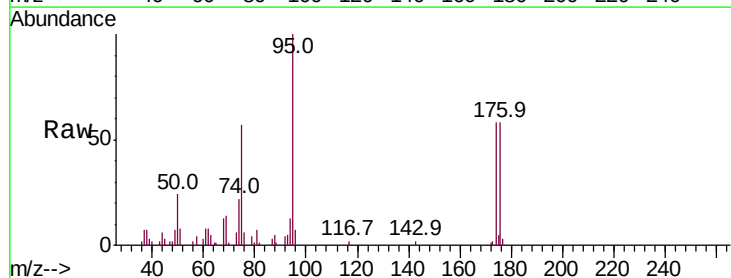


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

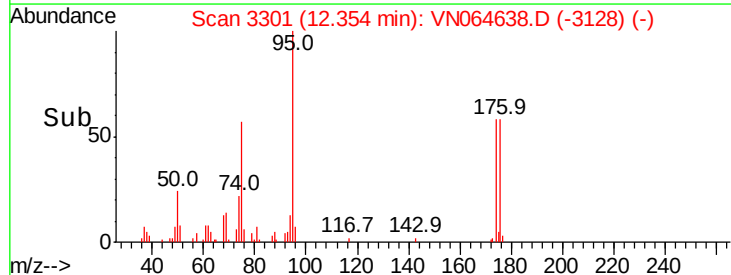
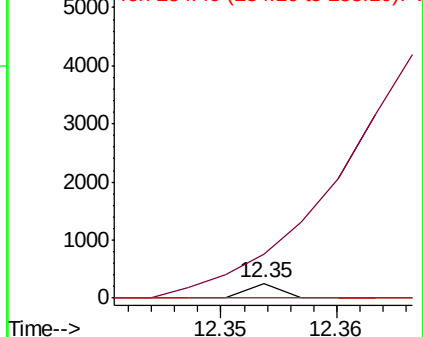


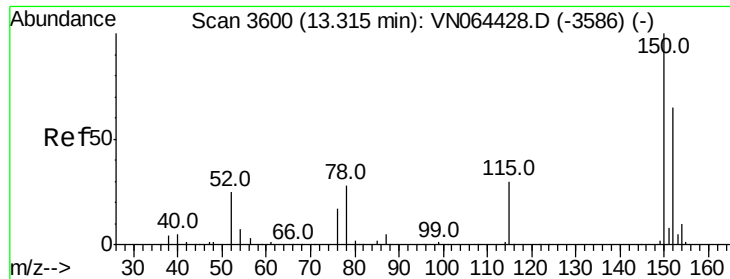
#71
Bromoform
Concen: 1.292 ug/l
RT: 12.35 min Scan# 3301
Delta R.T. 0.25 min
Lab File: VN064638.D
Acq: 13 Nov 2020 18:22

Tgt Ion:173 Resp: 50
Ion Ratio Lower Upper
173 100
175 0.0 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

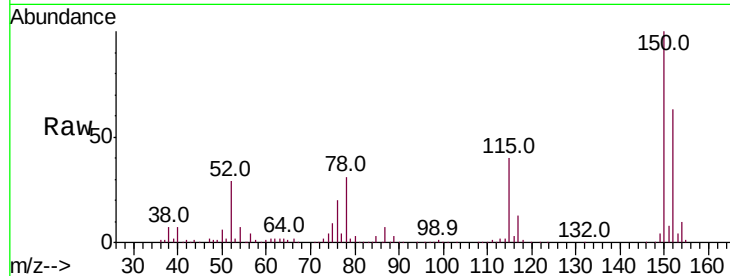




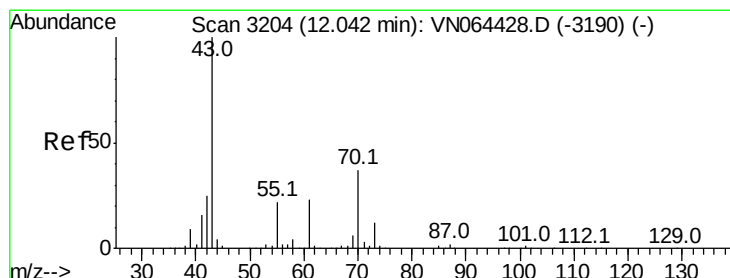
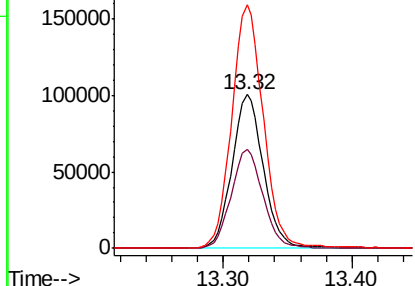
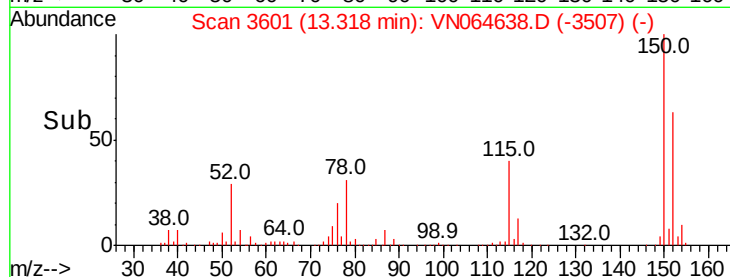
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN064638.D
 Acq: 13 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion:152 Resp: 169416
 Ion Ratio Lower Upper
 152 100
 115 65.4 32.0 96.0
 150 160.0 0.0 353.8

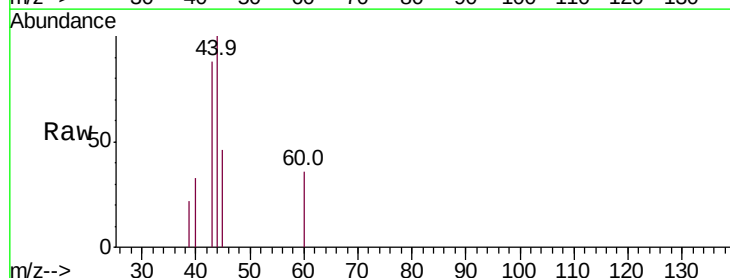


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

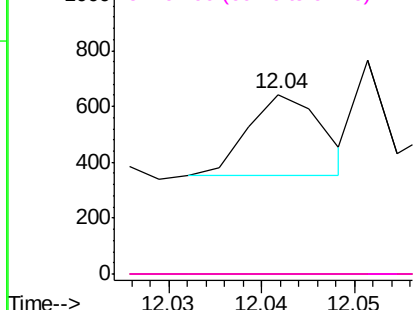
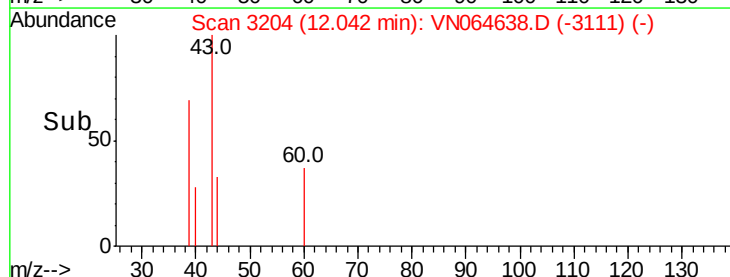


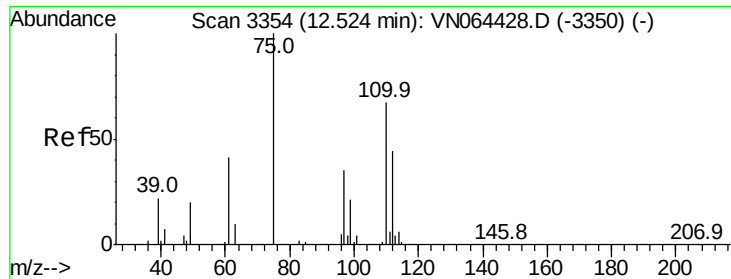
#74
 N-ethyl acetate
 Concen: 1.238 ug/l
 RT: 12.04 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VN064638.D
 Acq: 13 Nov 2020 18:22

Tgt Ion: 43 Resp: 159
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.6 44.4#
 55 0.0 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: 30.132 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

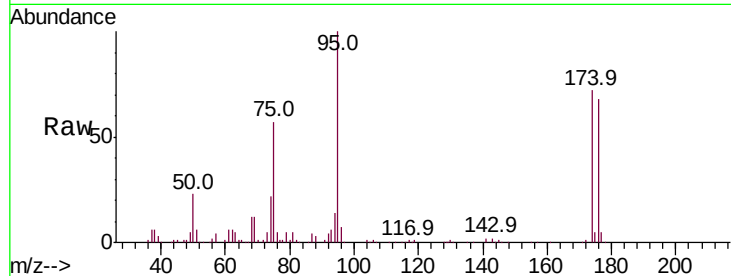
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 123688

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

80000

60000

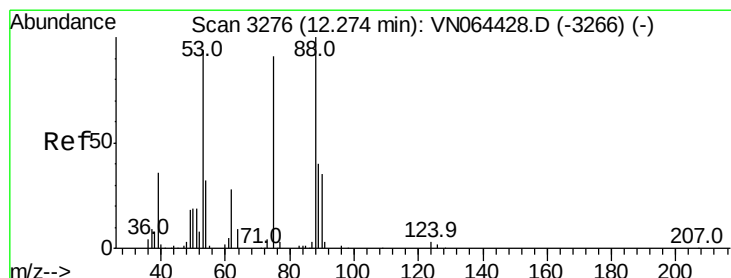
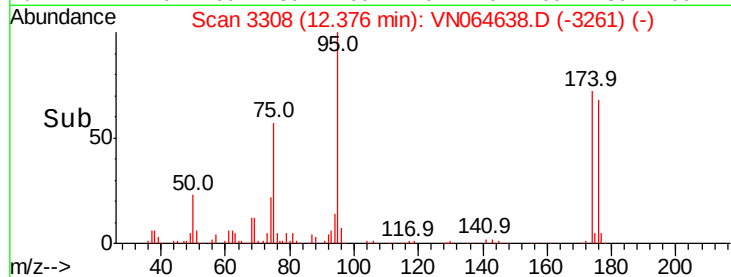
40000

20000

0

Time-->

12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 84.133 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064638.D

Acq: 13 Nov 2020 18:22

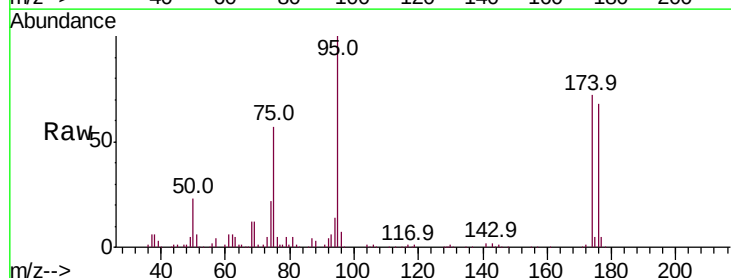
Tgt Ion: 75 Resp: 123688

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

100000

80000

60000

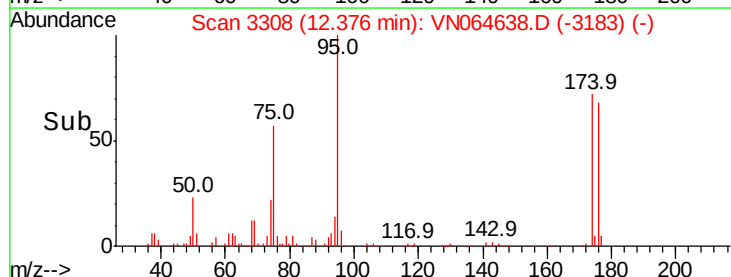
40000

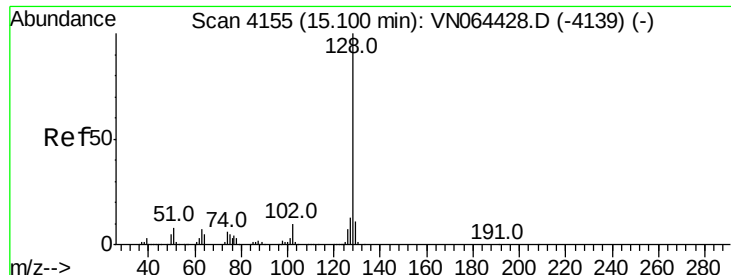
20000

0

Time-->

12.30 12.40 12.50

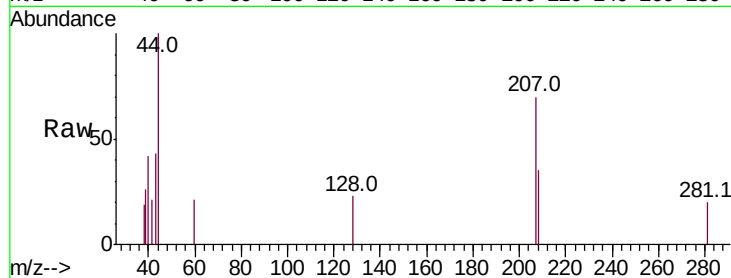




#95
Naphthalene
Concen: 3.630 ug/l
RT: 15.12 min Scan# 4162
Delta R.T. 0.02 min
Lab File: VN064638.D
Acq: 13 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.8	13.2#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

