

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064660.D
 Acq On : 16 Nov 2020 14:36
 Operator : JC/MD
 Sample : L4774-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 17 03:45:26 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	7.62	168	234912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	485708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	500464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186676	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	231316	56.53	ug/l	0.00
Spiked Amount			Recovery	=	113.06%	
35) Dibromofluoromethane	7.54	113	171077	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	10.06	98	611666	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.38	95	234288	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	

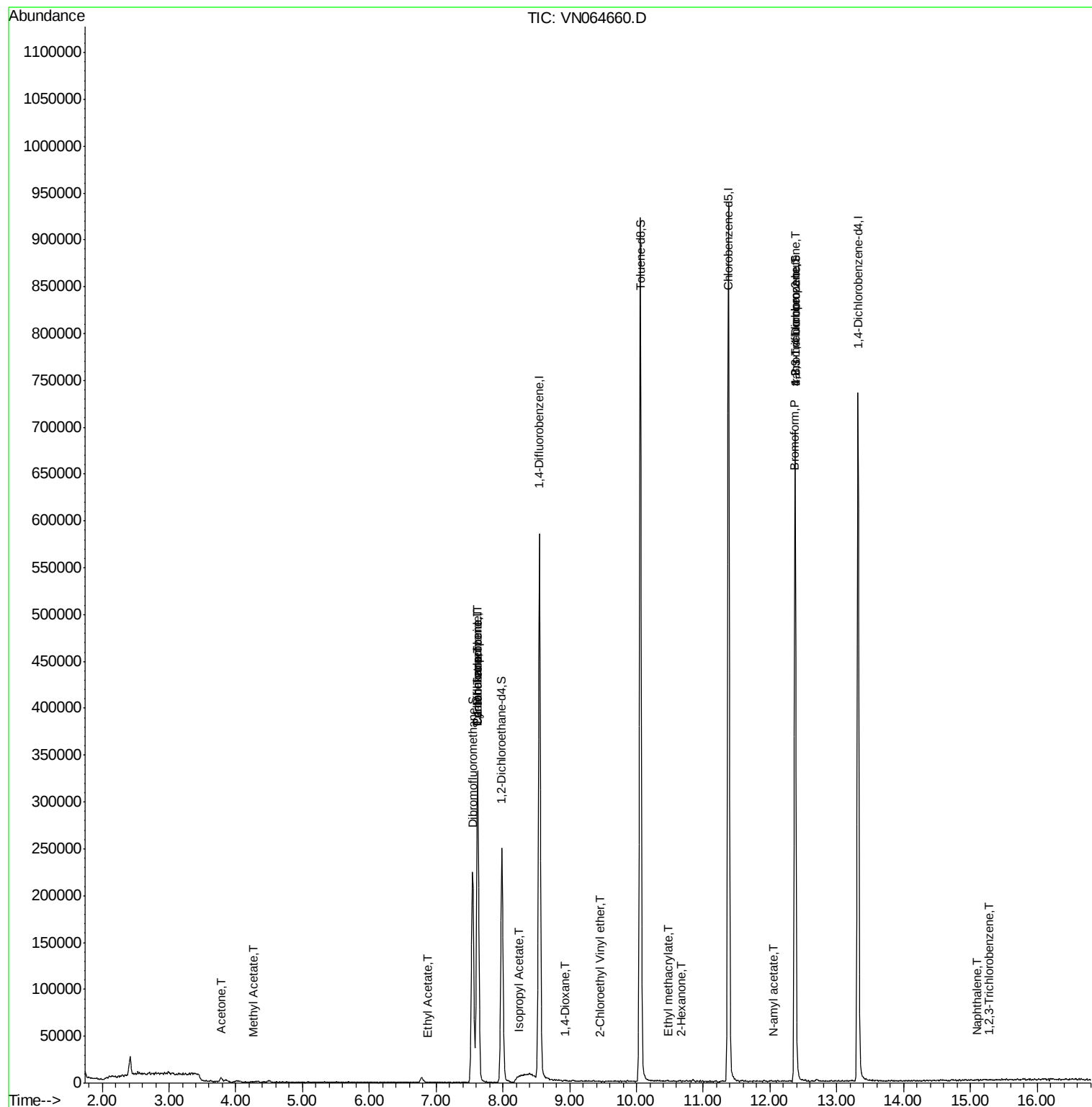
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	6126	3.930	ug/l	93
18) Methyl Acetate	4.26	43	666	0.217	ug/l #	55
31) Cyclohexane	7.62	56	6595	1.326	ug/l #	28
36) 1,1-Dichloropropene	7.62	75	21551	4.200	ug/l #	52
37) Ethyl Acetate	6.87	43	73	0.776	ug/l #	71
38) Carbon Tetrachloride	7.62	117	26748	4.878	ug/l #	17
43) Isopropyl Acetate	8.23	43	7201	0.866	ug/l #	64
49) 1,4-Dioxane	8.94	88	30	0.543	ug/l #	1
56) Ethyl methacrylate	10.48	69	30	1.846	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.46	63	29	21.547	ug/l #	51
59) 2-Hexanone	10.67	43	51	4.041	ug/l	86
71) Bromoform	12.36	173	172	1.330	ug/l #	1
74) N-amyl acetate	12.05	43	318	1.257	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	132323	29.256	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	132323	81.685	ug/l #	8
95) Naphthalene	15.11	128	177	3.639	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	93	2.806	ug/l #	12

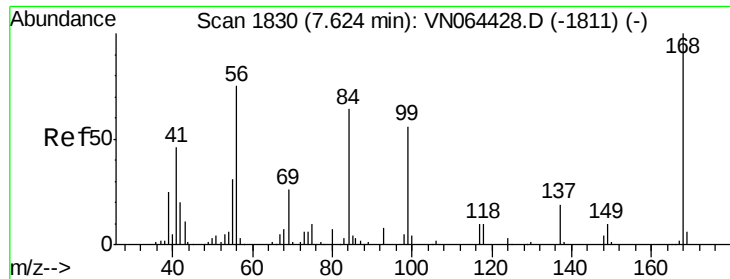
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 17 03:45:26 2020
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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: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

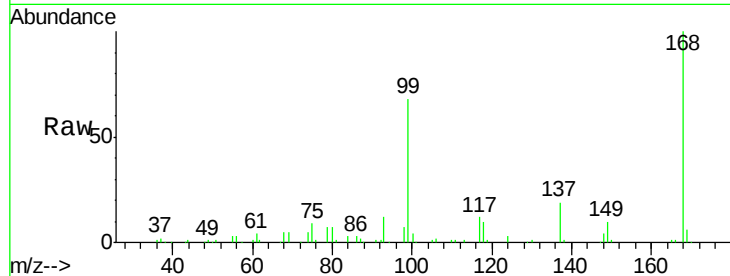
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Tot Ion:168 Resp: 234912

Ion Ratio Lower Upper

168 100

99 67.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

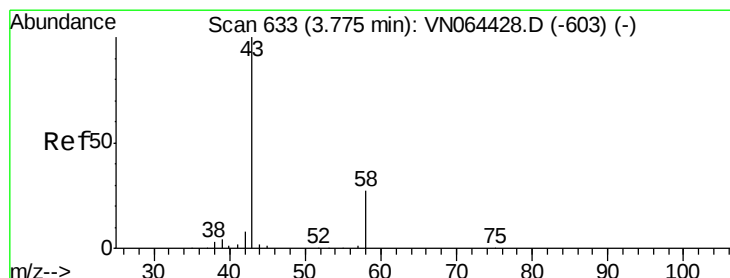
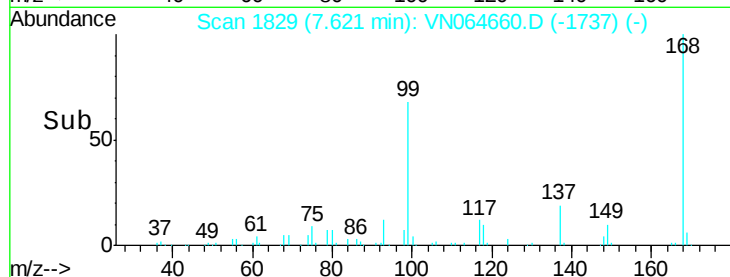
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 3.930 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064660.D

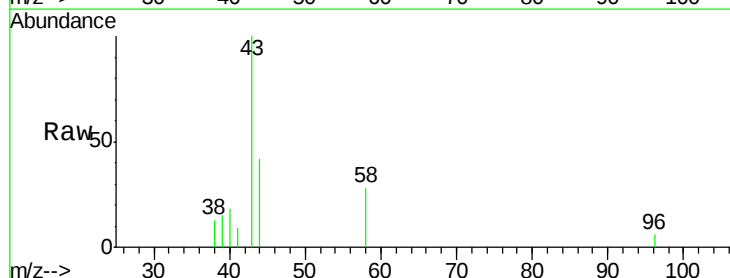
Acq: 16 Nov 2020 14:36

Tgt Ion: 43 Resp: 6126

Ion Ratio Lower Upper

43 100

58 30.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

3000

2500

2000

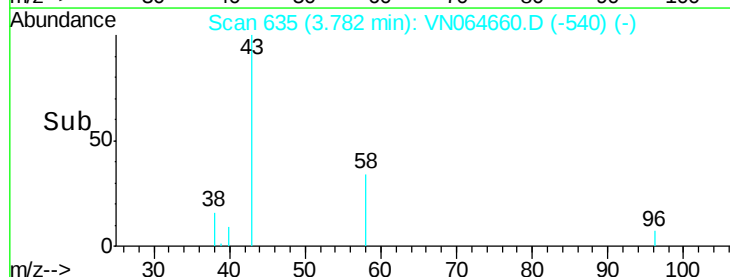
1500

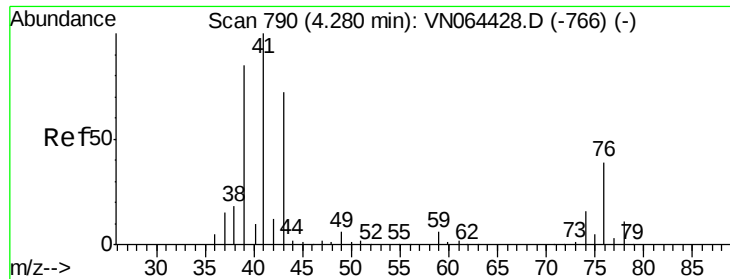
1000

500

0

Time-->

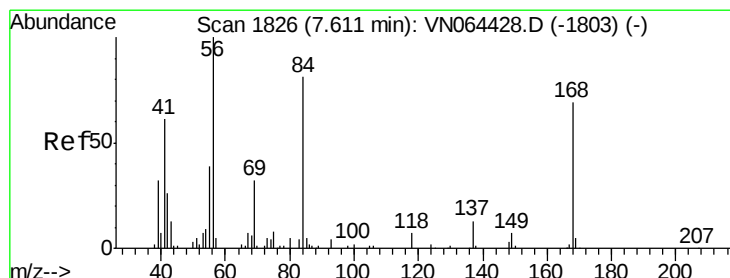
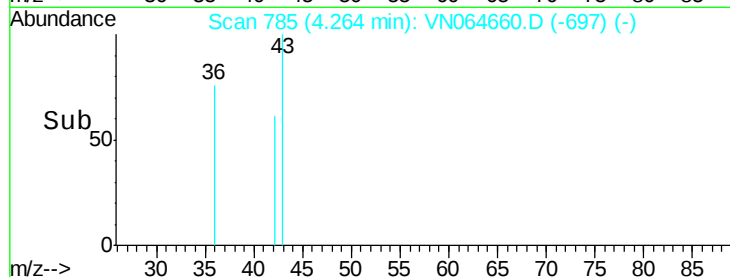
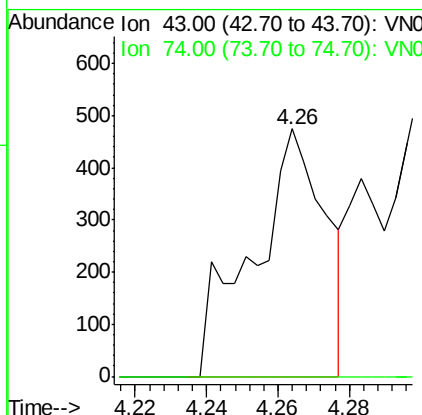
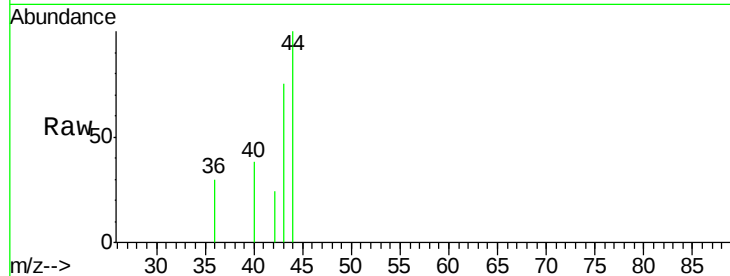




#18
Methvl Acetate
Concen: 0.217 ug/l
RT: 4.26 min Scan# 785
Delta R.T. -0.02 min
Lab File: VN064660.D
Acq: 16 Nov 2020 14:36

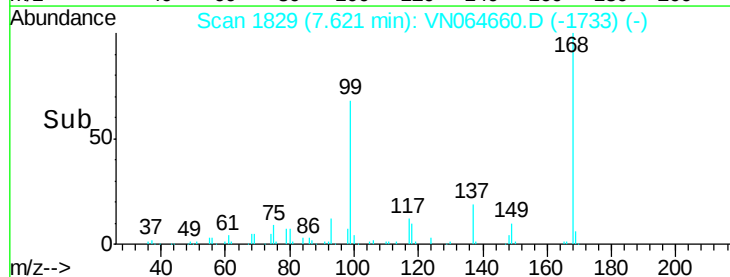
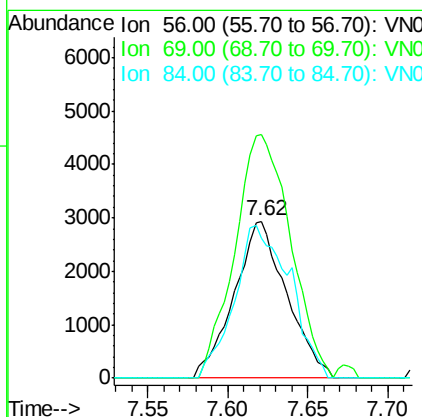
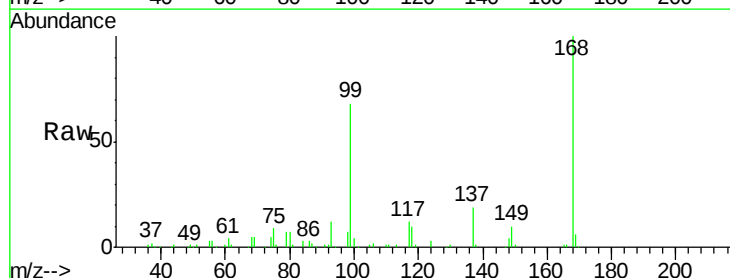
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MSVOA_N
ClientSampleId :
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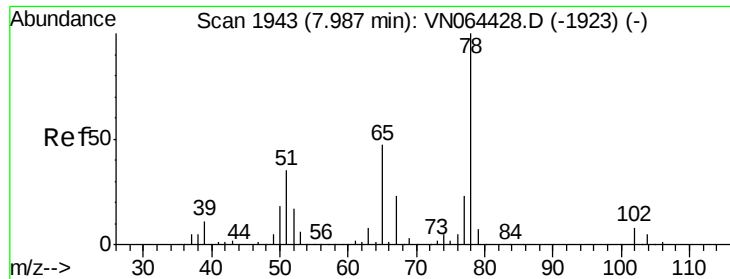
Tot Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#31
Cyclohexane
Concen: 1.326 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064660.D
Acq: 16 Nov 2020 14:36

Tgt Ion: 56 Resp: 6595
Ion Ratio Lower Upper
56 100
69 155.1 25.6 38.4#
84 89.5 63.0 94.6





#33

1,2-Dichloroethane-d4

Concen: 56.532 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

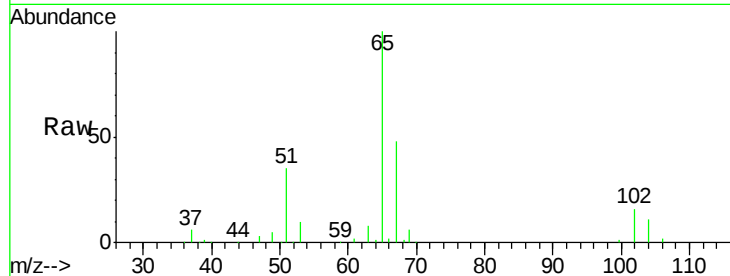
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Tot Ion: 65 Resp: 231316

Ion Ratio Lower Upper

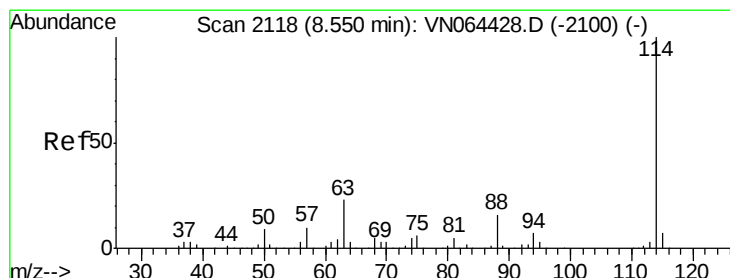
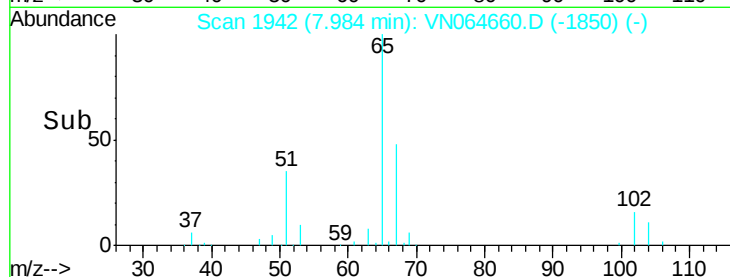
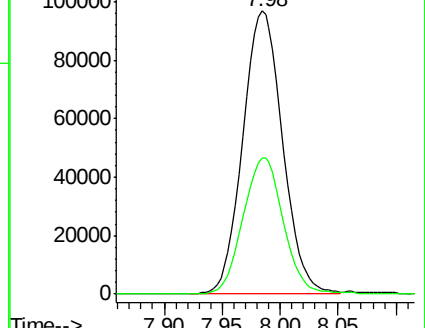
65 100

67 48.8 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# 2117

Delta R.T. -0.00 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

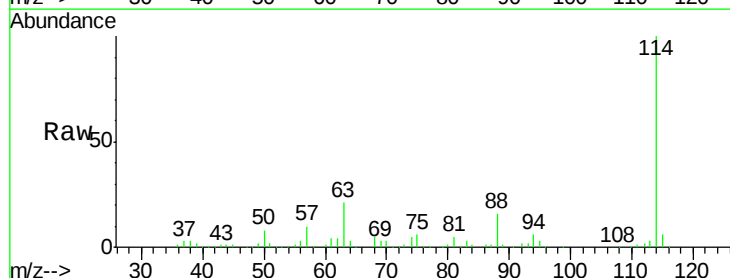
Tgt Ion: 114 Resp: 485708

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.6

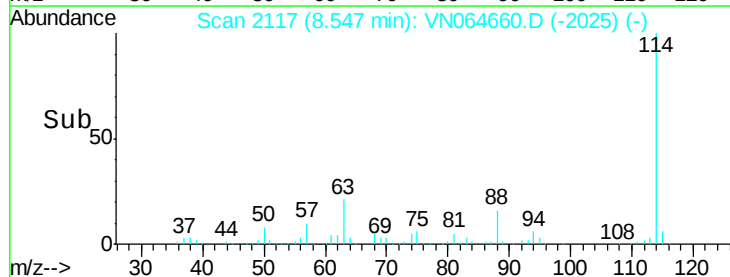
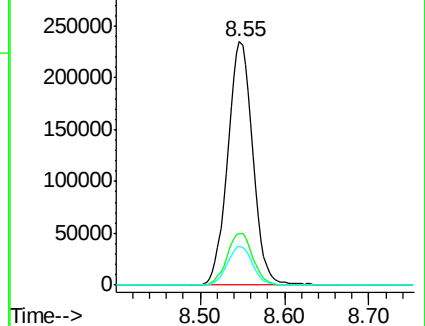
88 15.9 0.0 32.8

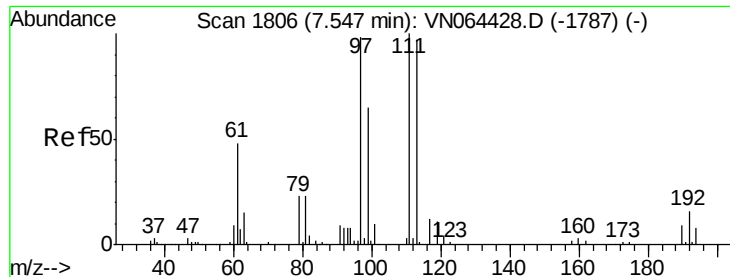


Abundance Ion 113.90 (113.60 to 114.60): VN064428.D (-2100) (-)

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

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

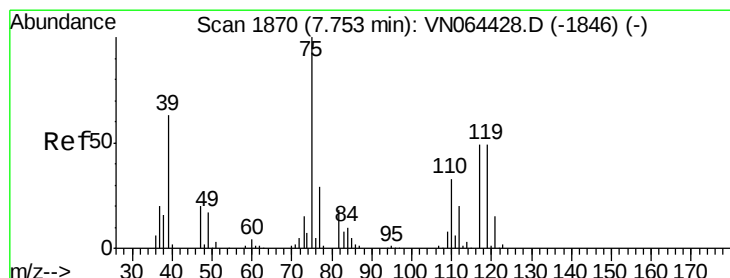
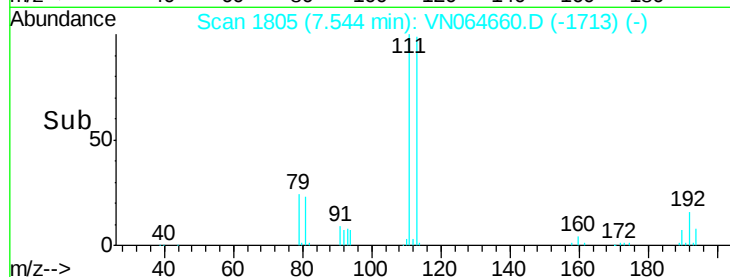
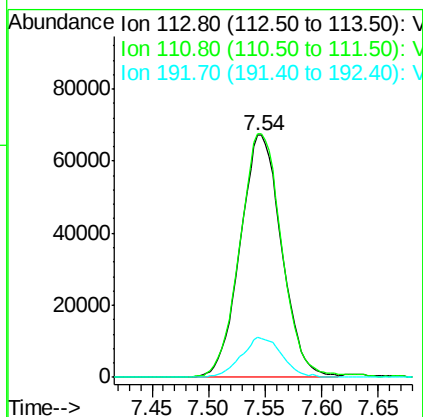
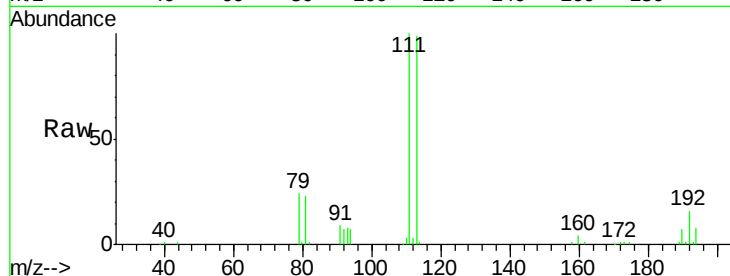




#35
 Dibromofluoromethane
 Concen: 51.732 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN064660.D
 Acq: 16 Nov 2020 14:36

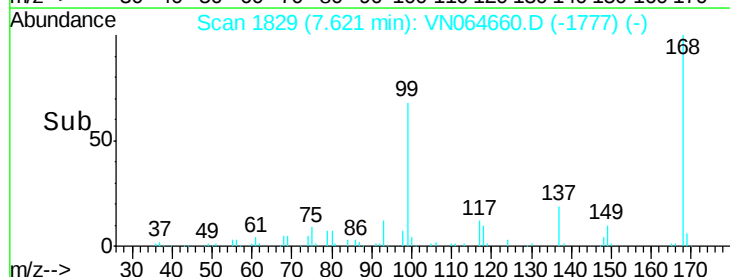
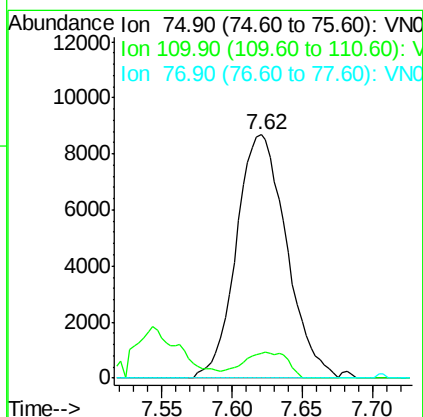
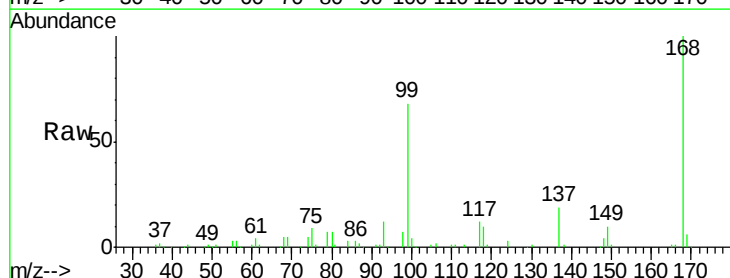
Instrument :
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 ClientSampleId :
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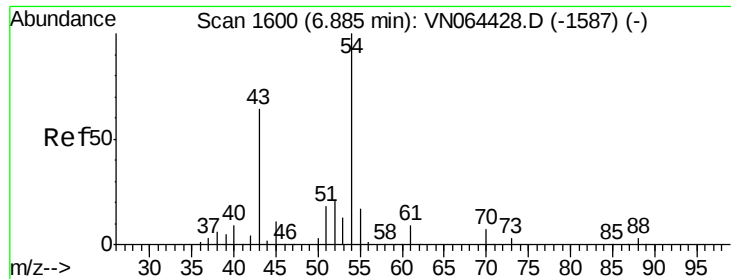
Tot Ion:113 Resp: 171077
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.1 121.7
 192 16.3 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.200 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064660.D
 Acq: 16 Nov 2020 14:36

Tgt Ion: 75 Resp: 21551
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.0 48.0#
 77 0.0 24.0 36.0#

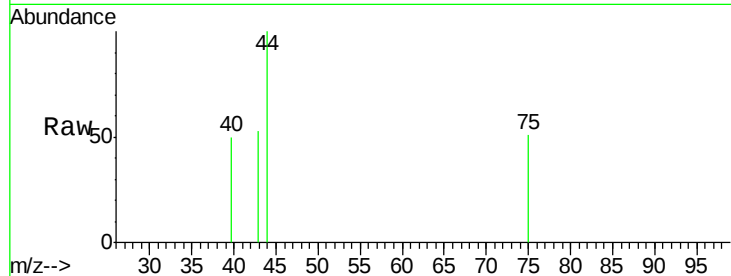




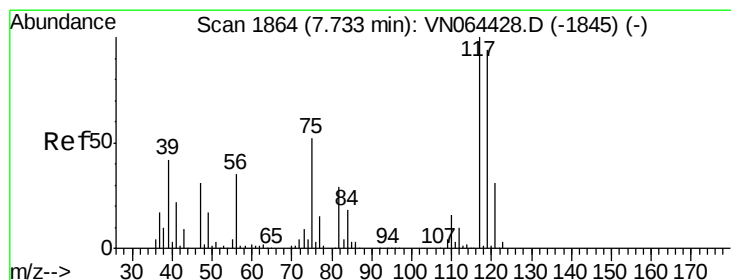
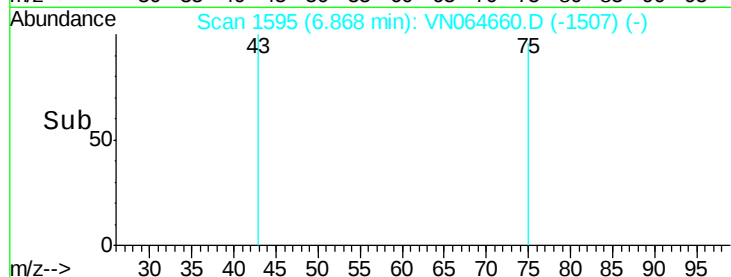
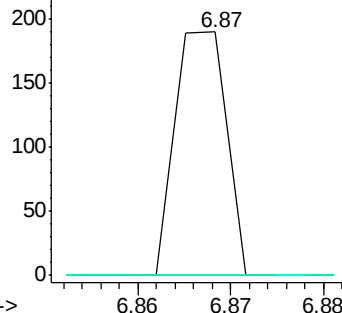
#37
Ethyl Acetate
Concen: 0.776 ug/l
RT: 6.87 min Scan# 1595
Delta R.T. -0.02 min
Lab File: VN064660.D
Acq: 16 Nov 2020 14:36

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#

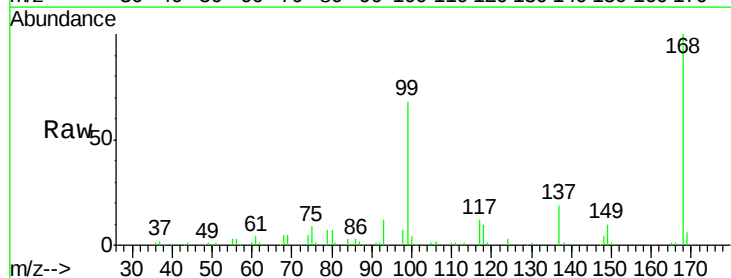


Abundance Ion 43.00 (42.70 to 43.70): VN064660.D (-1507) (-)
Ion 60.90 (60.60 to 61.60): VN064660.D (-1507) (-)
Ion 70.00 (69.70 to 70.70): VN064660.D (-1507) (-)

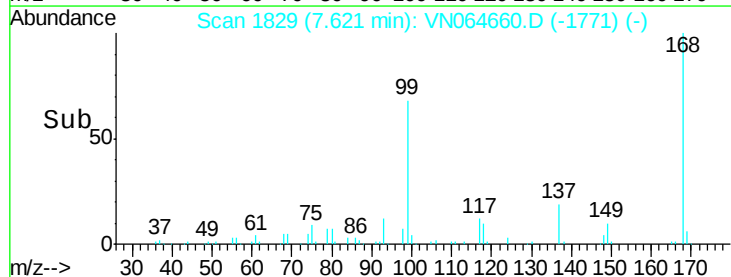
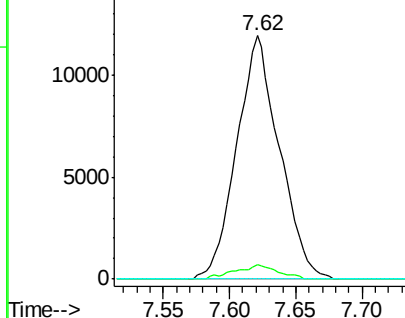


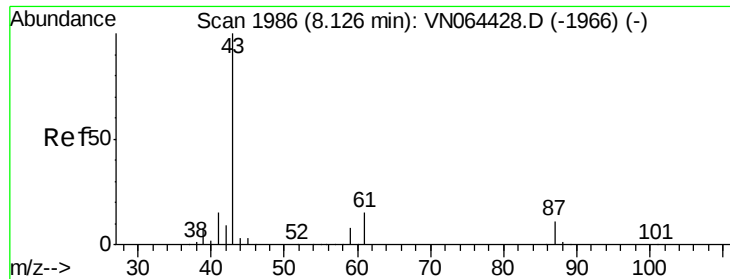
#38
Carbon Tetrachloride
Concen: 4.878 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.11 min
Lab File: VN064660.D
Acq: 16 Nov 2020 14:36

Tgt Ion: 117 Resp: 26748
Ion Ratio Lower Upper
117 100
119 5.7 75.5 113.3#
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): VN064660.D (-1771) (-)
Ion 118.80 (118.50 to 119.50): VN064660.D (-1771) (-)
Ion 120.80 (120.50 to 121.50): VN064660.D (-1771) (-)





#43

Isopropyl Acetate

Concen: 0.866 ug/l

RT: 8.23 min Scan# 2019

Delta R.T. 0.11 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

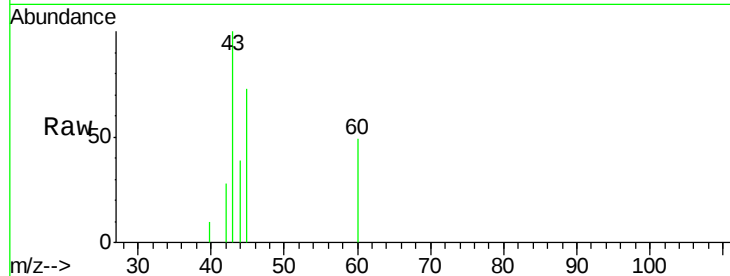
Tot Ion: 43 Resp: 7201

Ion Ratio Lower Upper

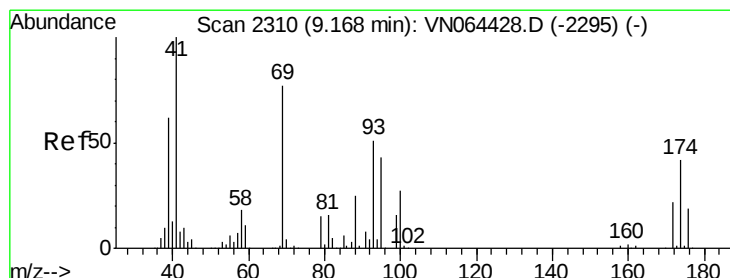
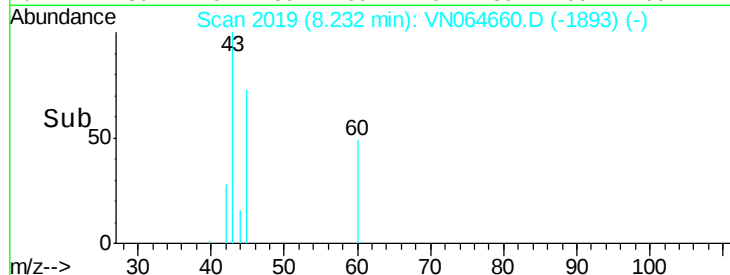
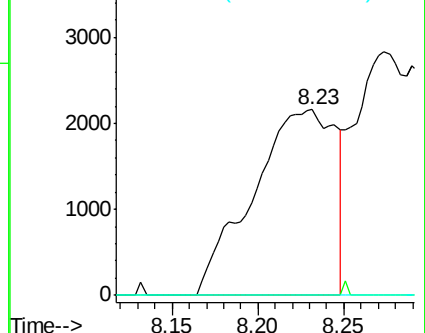
43 100

61 0.0 14.0 21.0#

87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 0.543 ug/l

RT: 8.94 min Scan# 2240

Delta R.T. -0.23 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

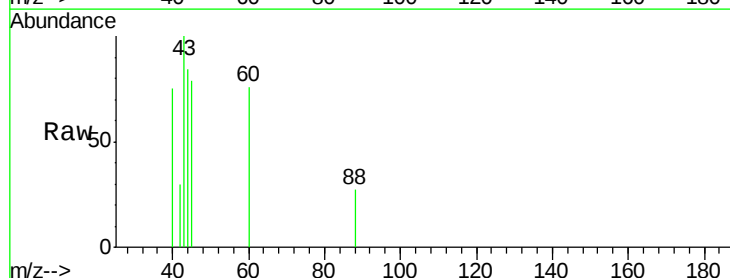
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

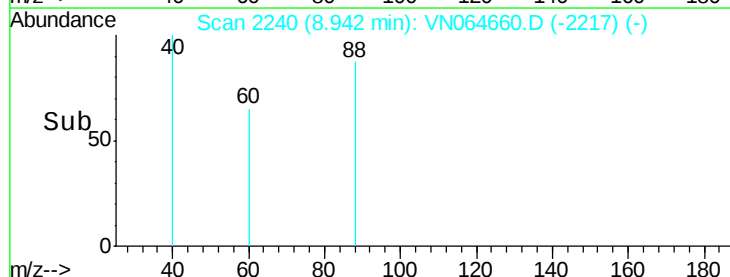
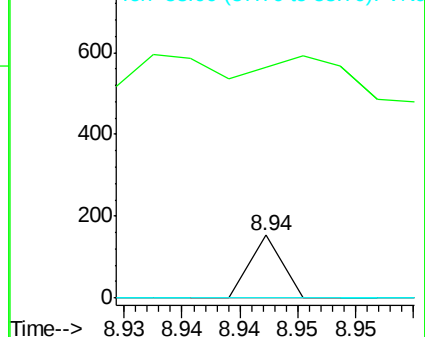
88 100

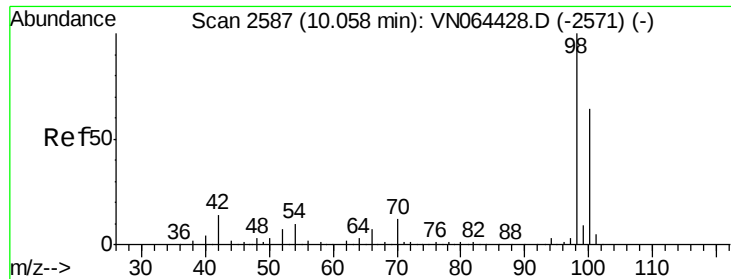
43 370.0 31.0 46.6#

58 0.0 58.4 87.6#



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





#50

Toluene-d8

Concen: 47.855 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

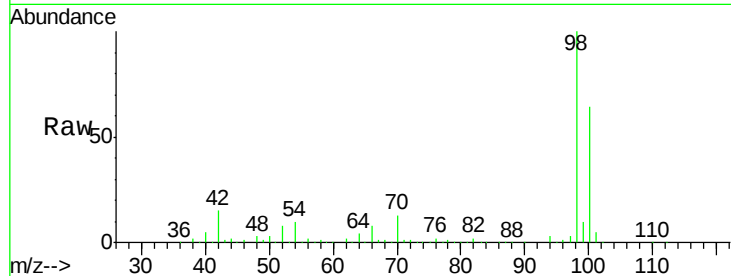
TRIP-BLANK

Tot Ion: 98 Resp: 611666

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)

10.06

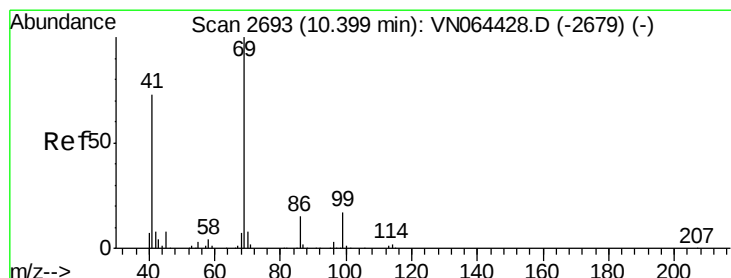
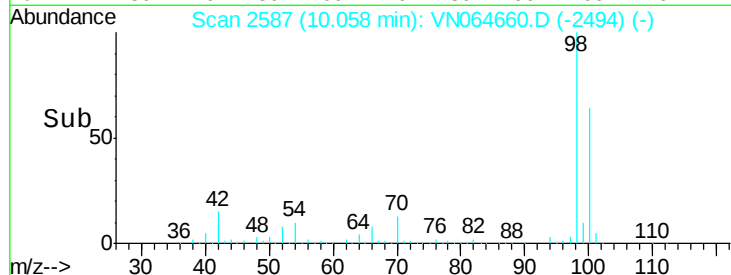
300000

200000

100000

0

Time-->



#56

Ethyl methacrylate

Concen: 1.846 ug/l

RT: 10.48 min Scan# 2719

Delta R.T. 0.08 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

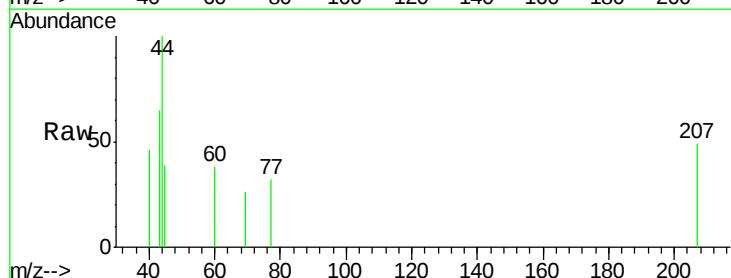
Tgt Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 96.7 59.3 88.9#

39 370.0 35.4 53.0#



Abundance Ion 69.00 (68.70 to 69.70): VN064428.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN064428.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2679) (-)

10.48

250

200

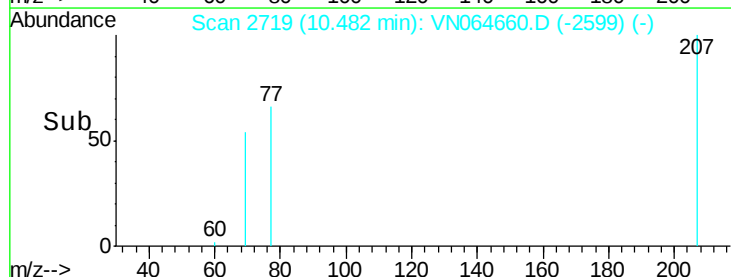
150

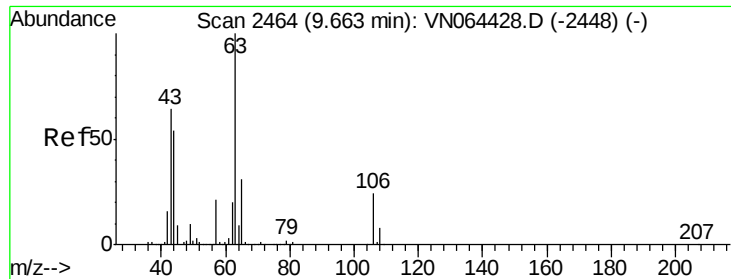
100

50

0

Time-->

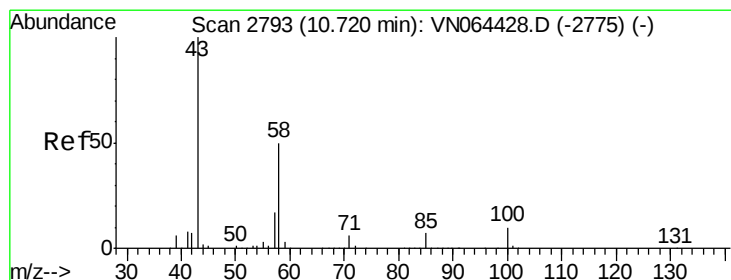
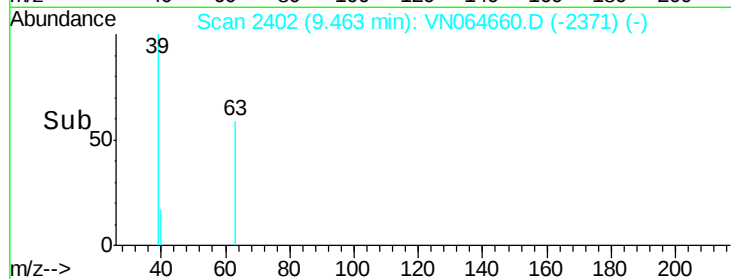
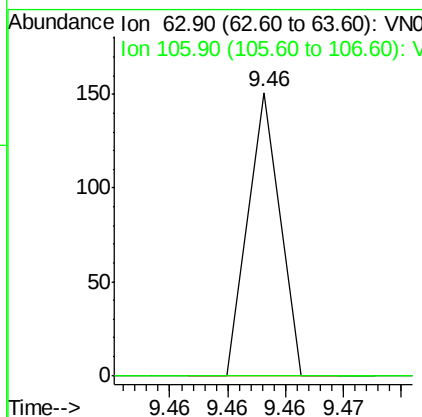
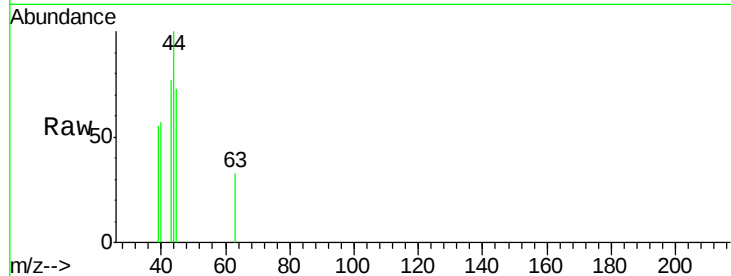




#58
 2-Chloroethyl Vinyl ether
 Concen: 21.547 ug/l
 RT: 9.46 min Scan# 2402
 Delta R.T. -0.20 min
 Lab File: VN064660.D
 Acq: 16 Nov 2020 14:36

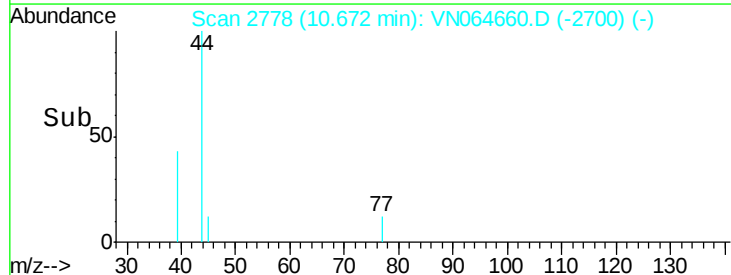
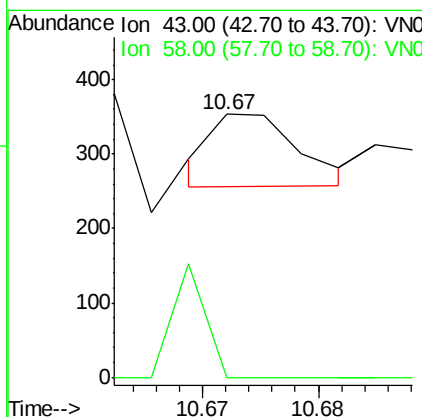
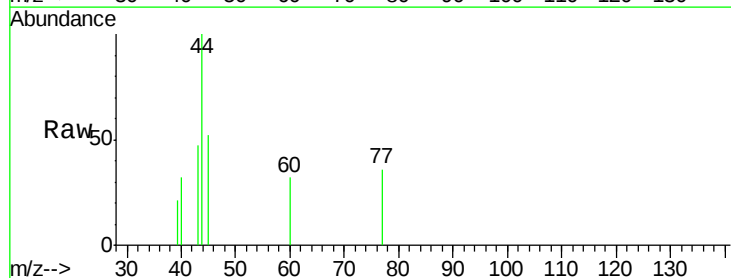
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

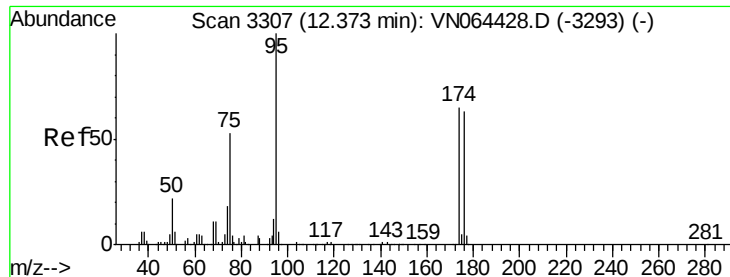
Tot Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.5 29.3#



#59
 2-Hexanone
 Concen: 4.041 ug/l
 RT: 10.67 min Scan# 2778
 Delta R.T. -0.05 min
 Lab File: VN064660.D
 Acq: 16 Nov 2020 14:36

Tgt Ion: 43 Resp: 51
 Ion Ratio Lower Upper
 43 100
 58 58.8 24.7 74.1





#62

4-Bromofluorobenzene

Concen: 48.468 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

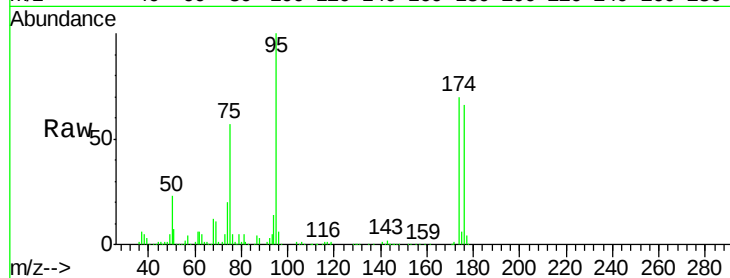
Tot Ion: 95 Resp: 234288

Ion Ratio Lower Upper

95 100

174 70.1 0.0 132.6

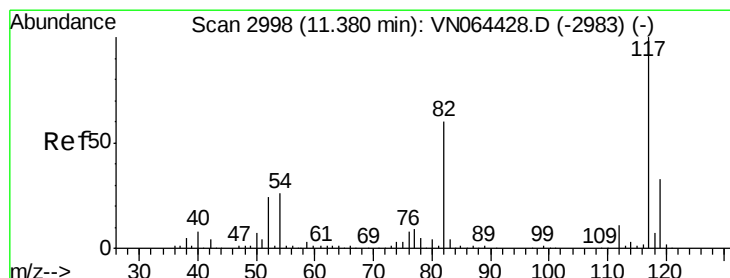
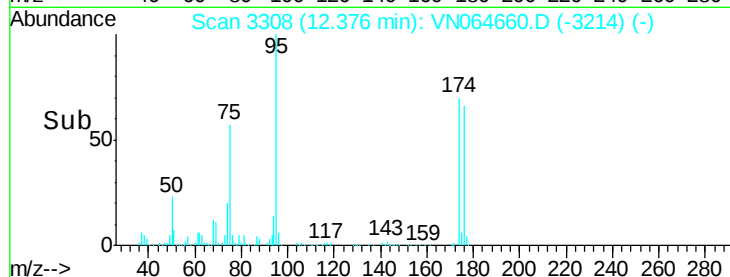
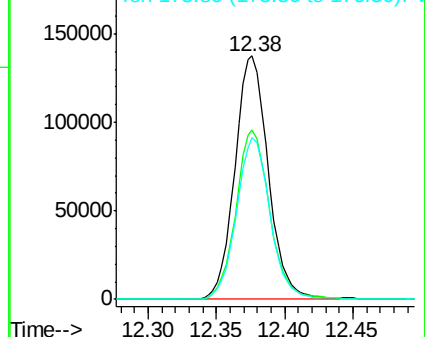
176 66.5 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

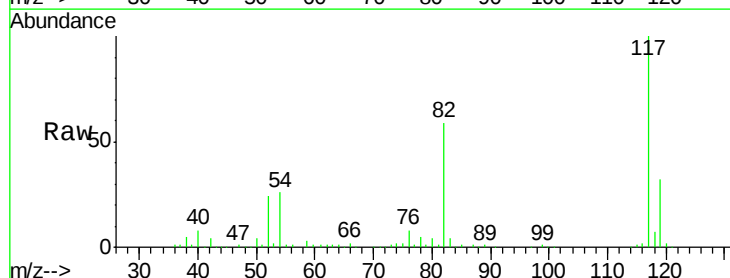
Tgt Ion: 117 Resp: 500464

Ion Ratio Lower Upper

117 100

82 59.5 48.1 72.1

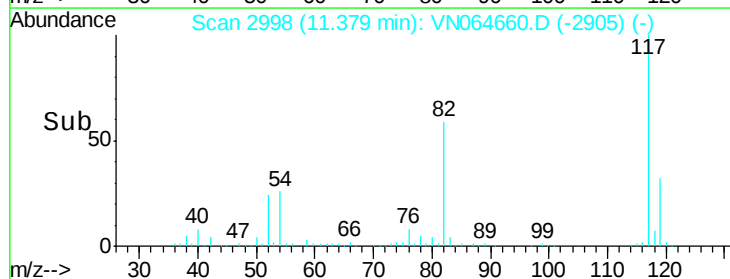
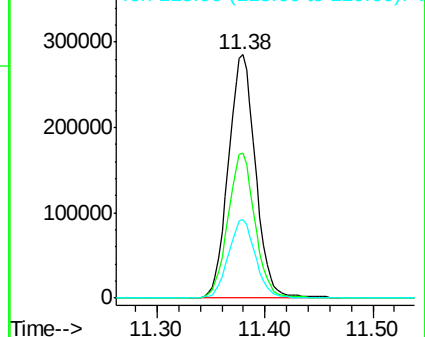
119 32.2 26.2 39.4

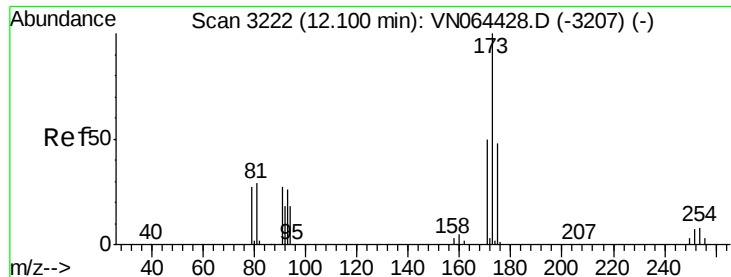


Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064428.D (-2983) (-)





#71

Bromoform

Concen: 1.330 ug/l

RT: 12.36 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

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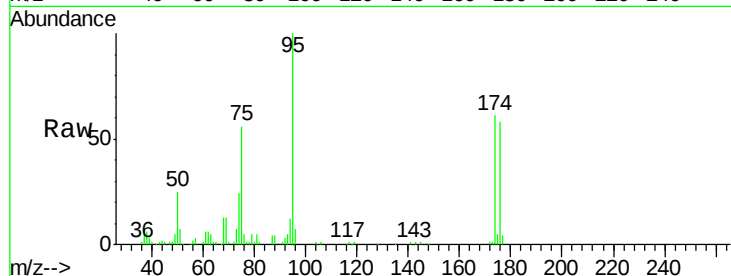
Tot Ion:173 Resp: 172

Ion Ratio Lower Upper

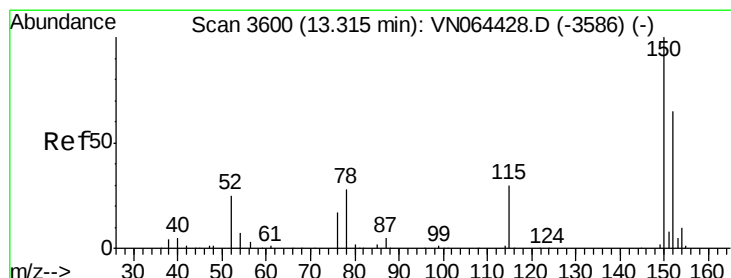
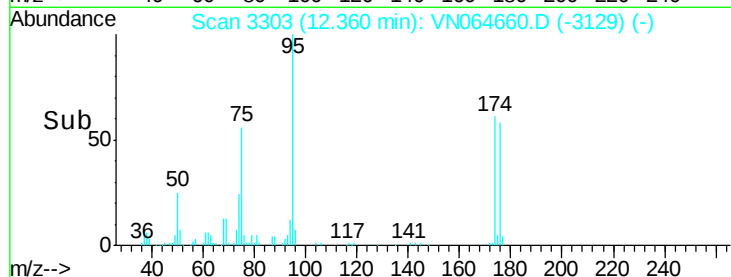
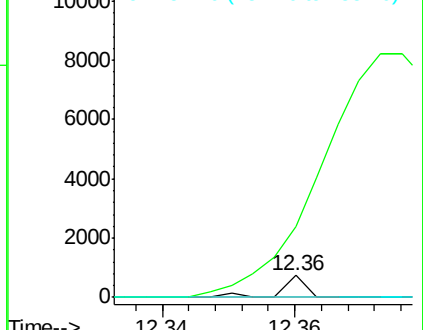
173 100

175 6430.8 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: VN064660.D

Acq: 16 Nov 2020 14:36

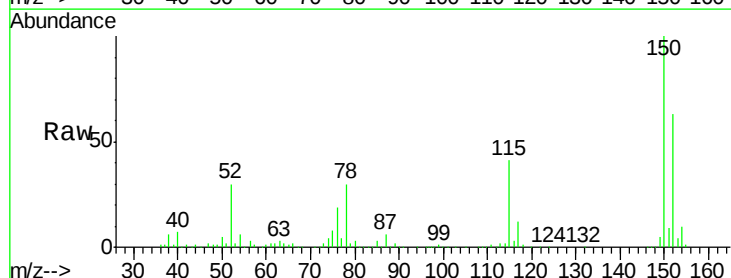
Tgt Ion:152 Resp: 186676

Ion Ratio Lower Upper

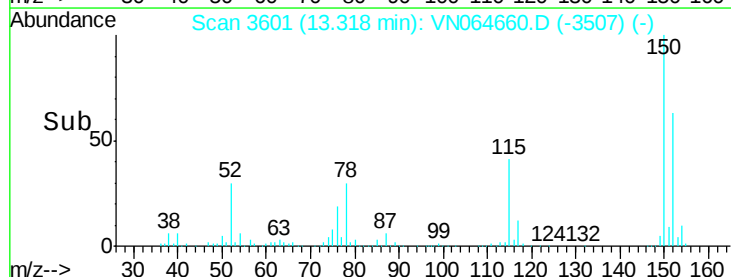
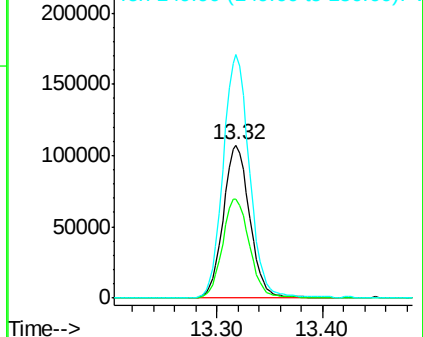
152 100

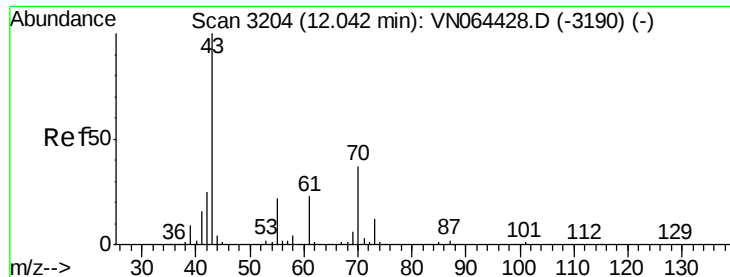
115 66.0 32.0 96.0

150 157.6 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-amvl acetate

Concen: 1.257 ug/l

RT: 12.05 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

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Tot Ion: 43 Resp: 318

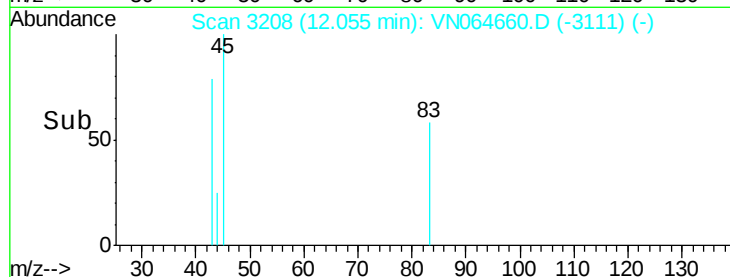
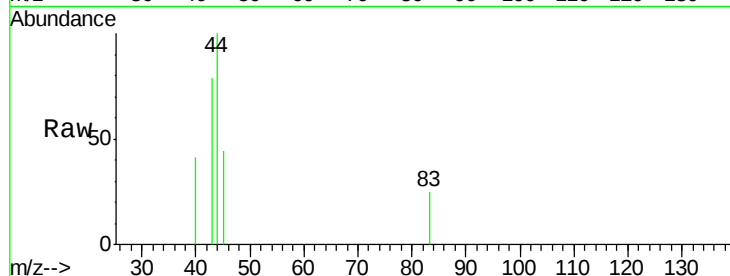
Ion Ratio Lower Upper

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): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Time-->

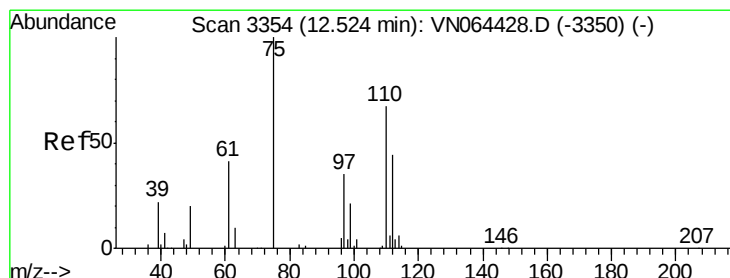
12.05

400

200

0

12.04 12.06



#76

1,2,3-Trichloropropane

Concen: 29.256 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064660.D

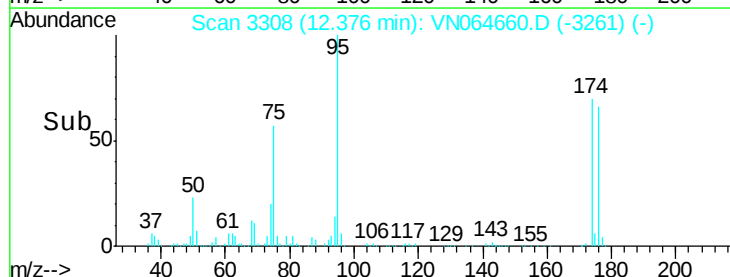
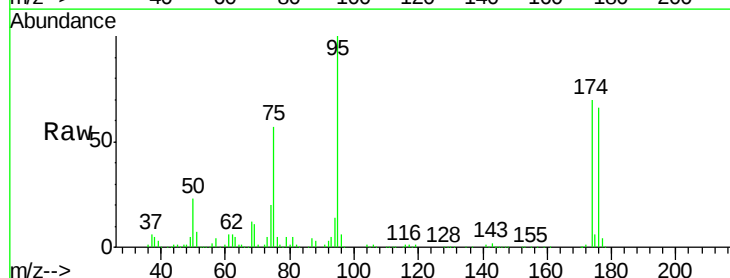
Acq: 16 Nov 2020 14:36

Tgt Ion: 75 Resp: 132323

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

Time-->

12.38

80000

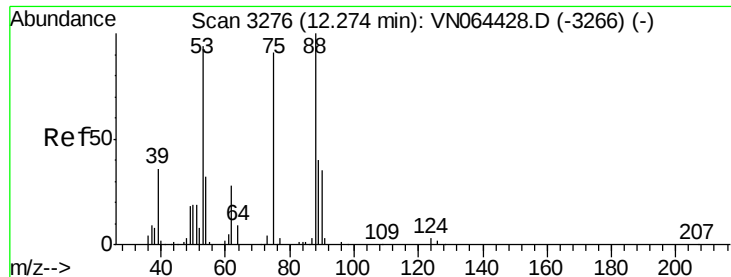
60000

40000

20000

0

12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 81.685 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

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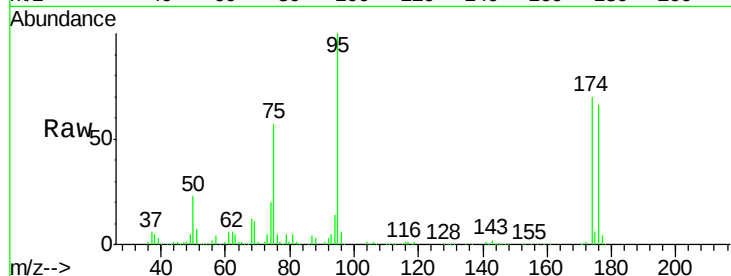
Tot Ion: 75 Resp: 132323

Ion Ratio Lower Upper

75 100

53 0.3 84.0 126.0#

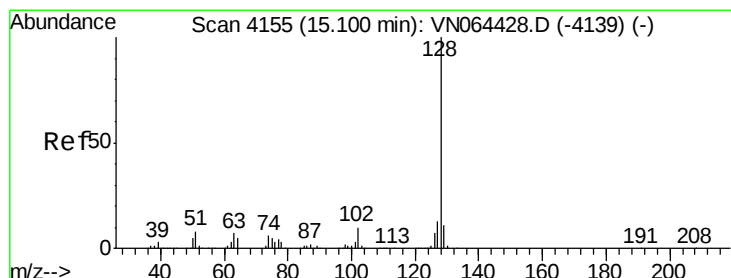
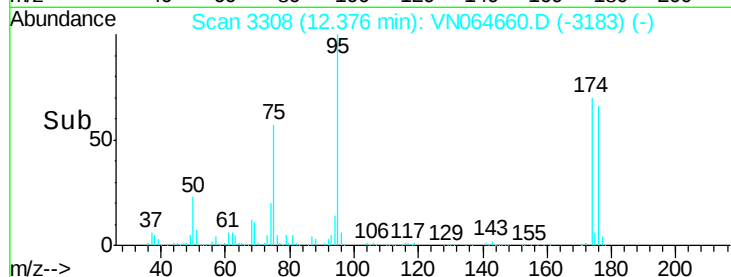
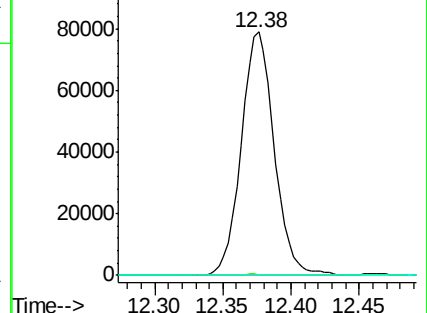
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064428.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064428.D (-3266) (-)



#95

Naphthalene

Concen: 3.639 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064660.D

Acq: 16 Nov 2020 14:36

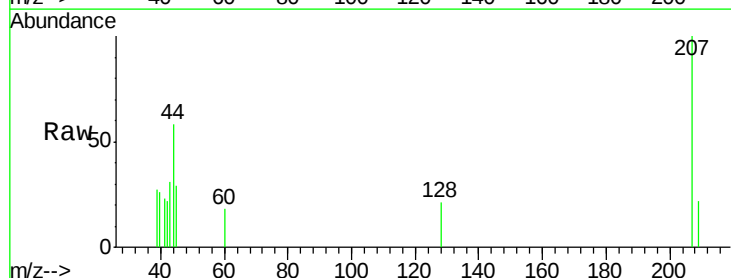
Tgt Ion: 128 Resp: 177

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

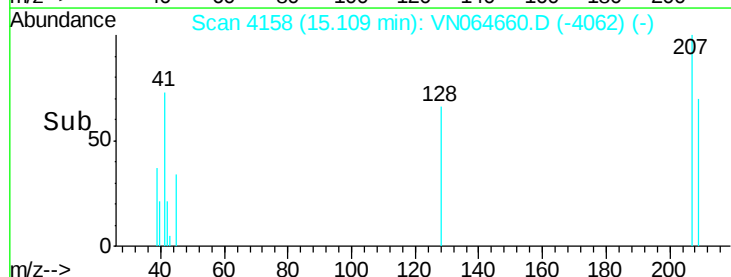
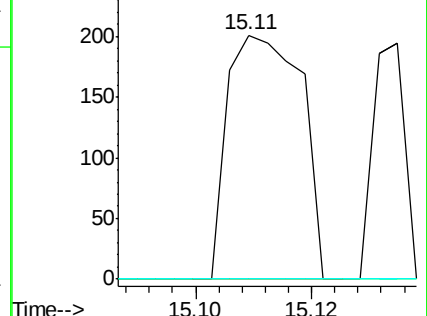
129 0.0 8.8 13.2#

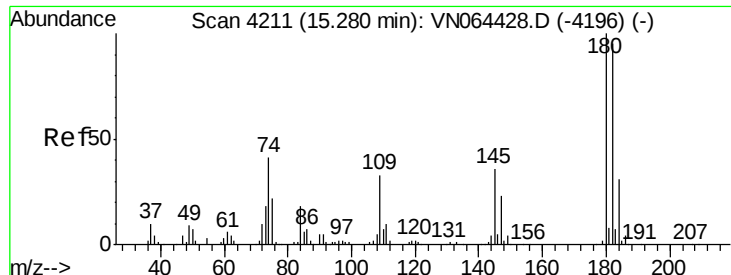


Abundance Ion 128.00 (127.70 to 128.70): VN064428.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN064428.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN064428.D (-4139) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 2.806 ug/l
 RT: 15.29 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN064660.D
 Acq: 16 Nov 2020 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.7	143.1#
145	0.0	18.3	54.8#

