

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064640.D
 Acq On : 13 Nov 2020 19:10
 Operator : JC/MD
 Sample : L4737-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 17 01:59:22 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	214954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	450544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	460411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	218805	58.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.88%	
35) Dibromofluoromethane	7.55	113	163101	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	10.06	98	570272	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.38	95	212820	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

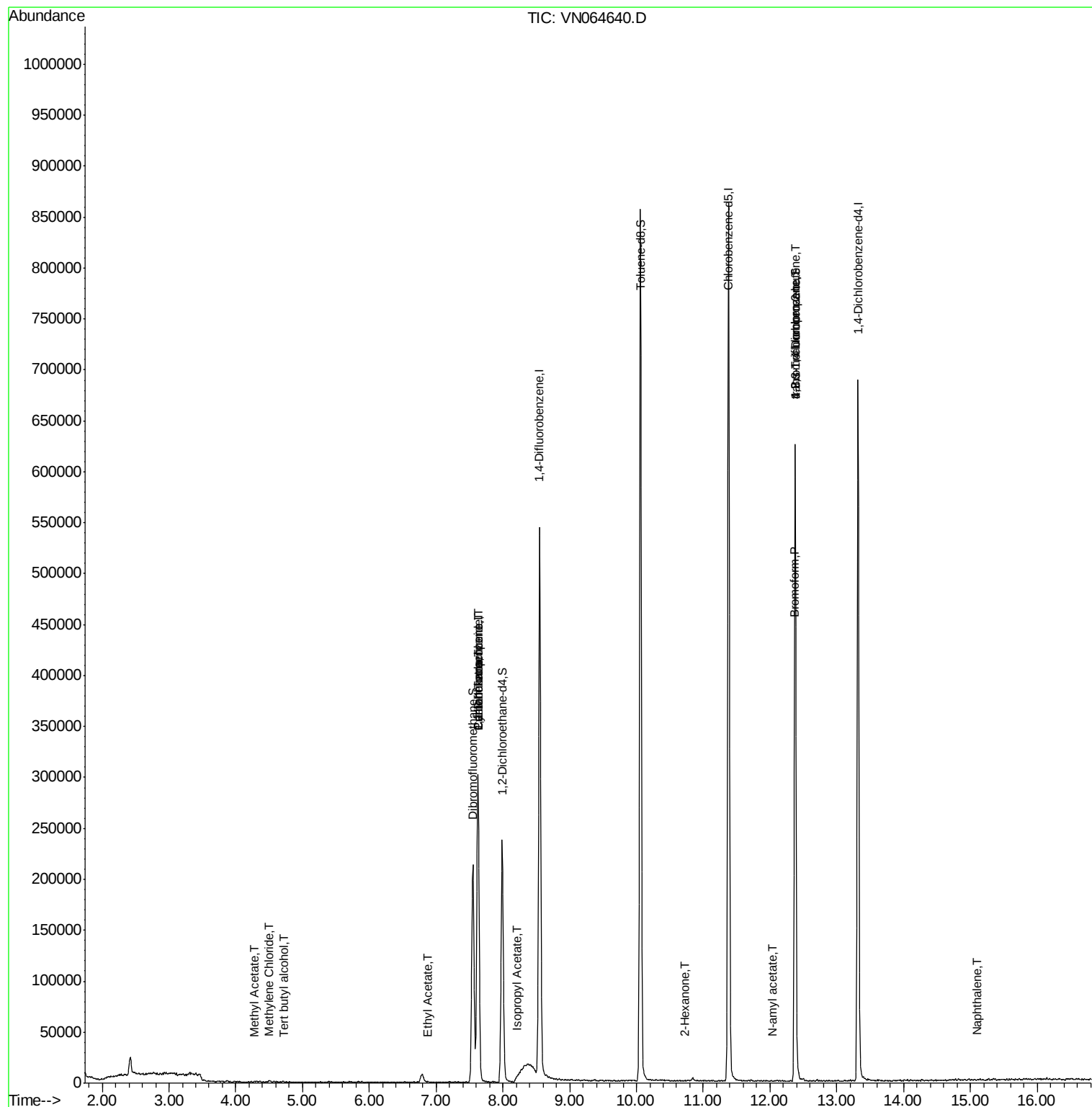
						Qvalue
11) Tert butyl alcohol	4.71	59	211	0.511	ug/l #	71
18) Methyl Acetate	4.29	43	748	0.267	ug/l #	55
20) Methylene Chloride	4.50	84	760	0.269	ug/l #	63
31) Cyclohexane	7.63	56	6873	1.510	ug/l #	30
36) 1,1-Dichloropropene	7.62	75	20195	4.243	ug/l #	50
37) Ethyl Acetate	6.87	43	63	0.775	ug/l #	71
38) Carbon Tetrachloride	7.63	117	25219	4.958	ug/l #	15
43) Isopropyl Acetate	8.21	43	3987	0.517	ug/l #	64
59) 2-Hexanone	10.71	43	270	4.101	ug/l #	28
71) Bromoform	12.36	173	32	1.286	ug/l #	1
74) N-amyl acetate	12.03	43	163	1.239	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	118919	29.332	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118919	81.897	ug/l #	8
95) Naphthalene	15.12	128	30	3.626	ug/l #	69

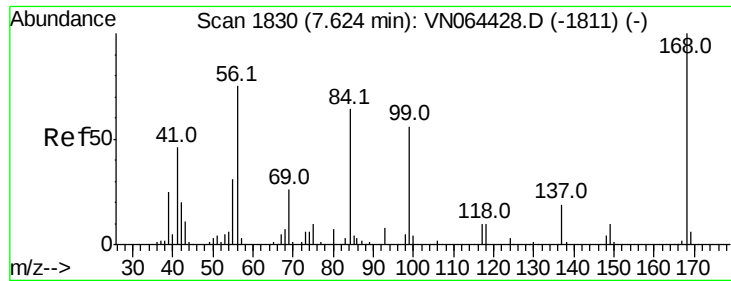
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111320\
Data File : VN064640.D
Acq On : 13 Nov 2020 19:10
Operator : JC/MD
Sample : L4737-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Quant Time: Nov 17 01:59:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
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: VN064640.D

Acq: 13 Nov 2020 19:10

Instrument :

MSVOA_N

ClientSampleId :

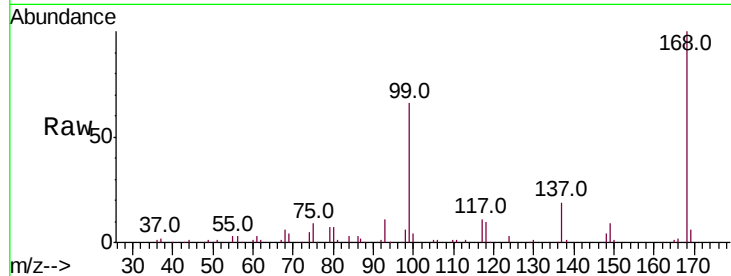
TRIP-BLANK

Tot Ion:168 Resp: 214954

Ion Ratio Lower Upper

168 100

99 65.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

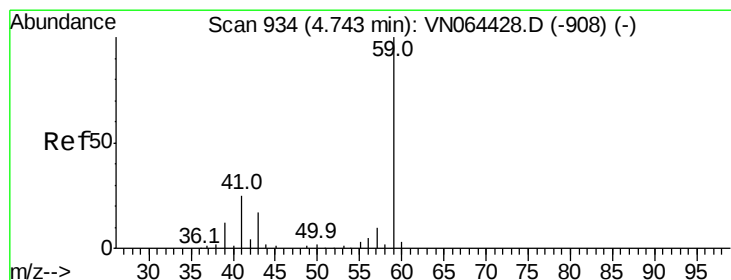
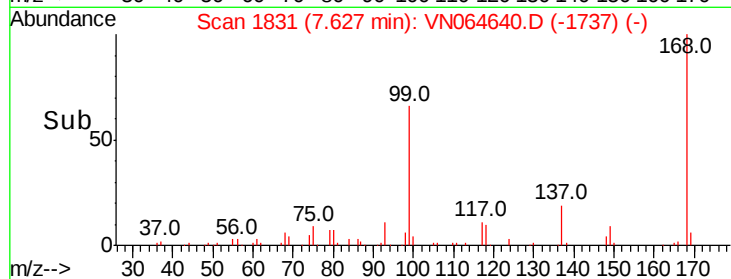
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.511 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.03 min

Lab File: VN064640.D

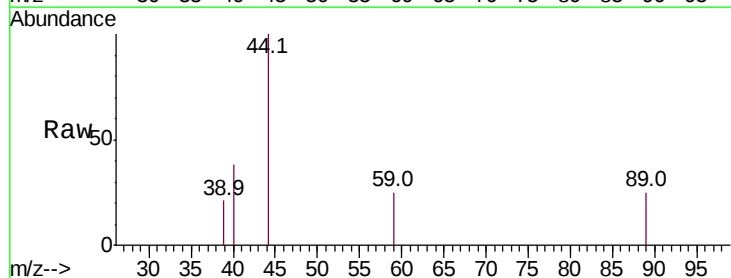
Acq: 13 Nov 2020 19:10

Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

200

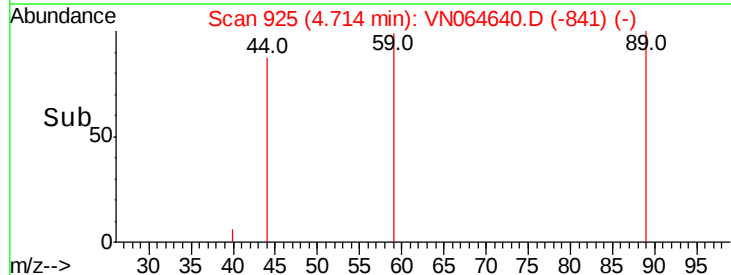
150

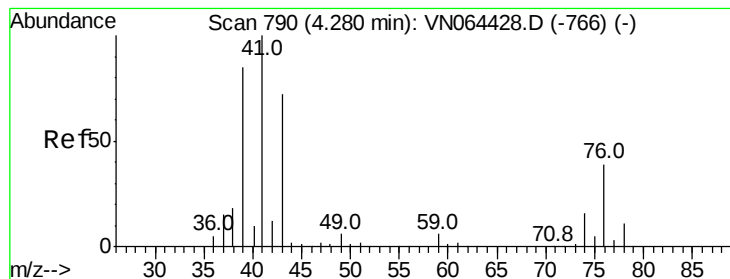
100

50

0

Time-->





#18

Methyl Acetate

Concen: 0.267 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

Instrument :

MSVOA_N

ClientSampled :

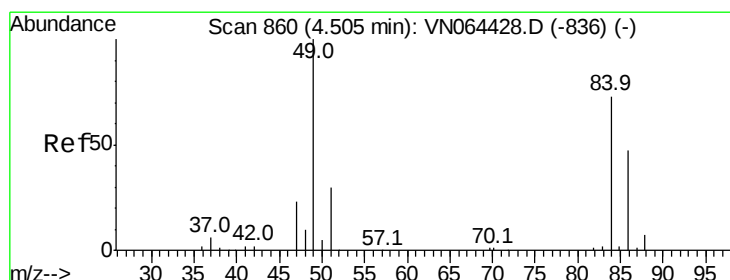
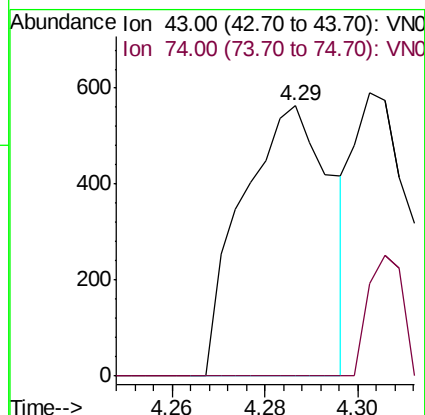
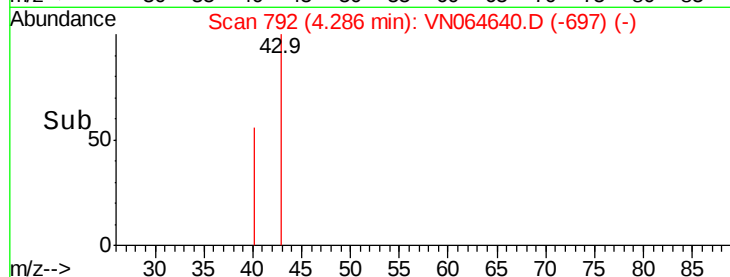
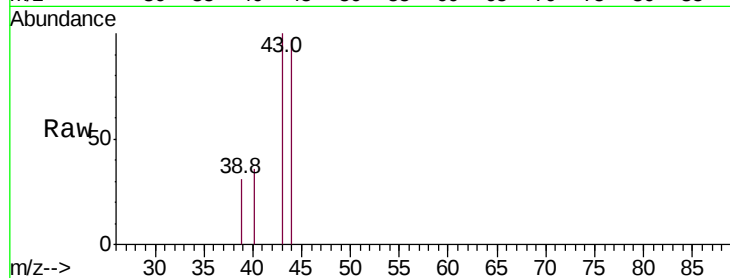
TRIP-BLANK

Tot Ion: 43 Resp: 748

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



#20

Methylene Chloride

Concen: 0.269 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

Tgt Ion: 84 Resp: 760

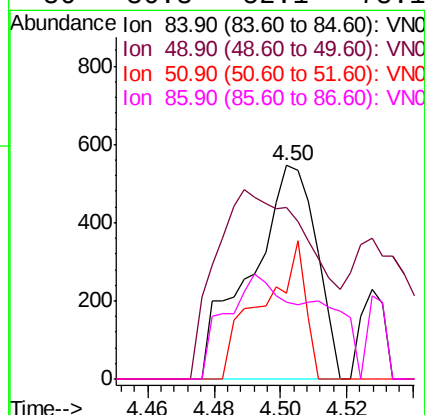
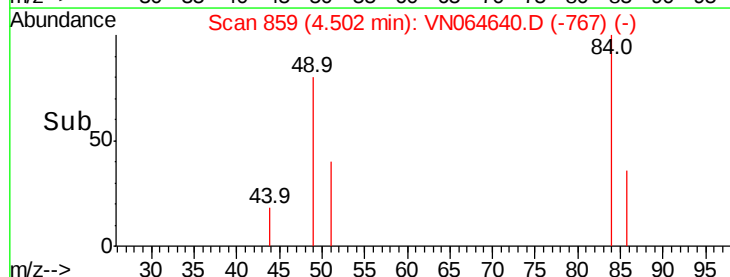
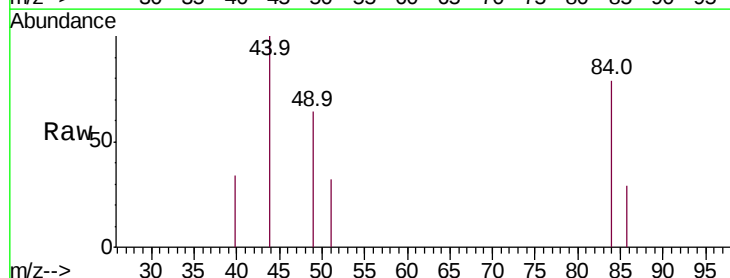
Ion Ratio Lower Upper

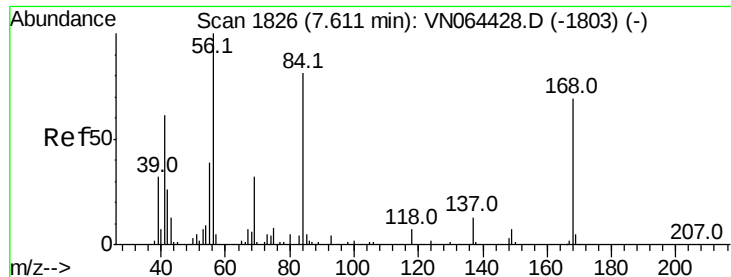
84 100

49 80.4 110.1 165.1#

51 40.3 33.6 50.4

86 36.3 52.1 78.1#

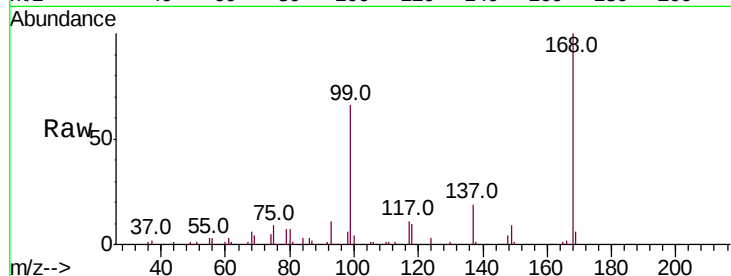




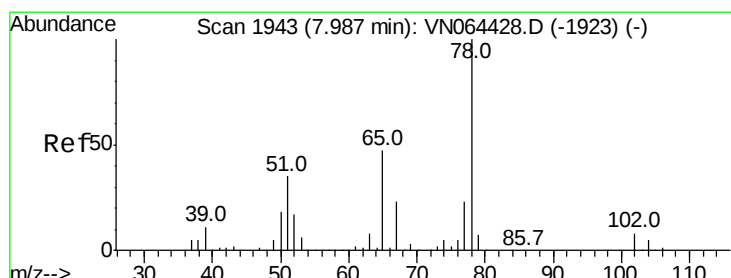
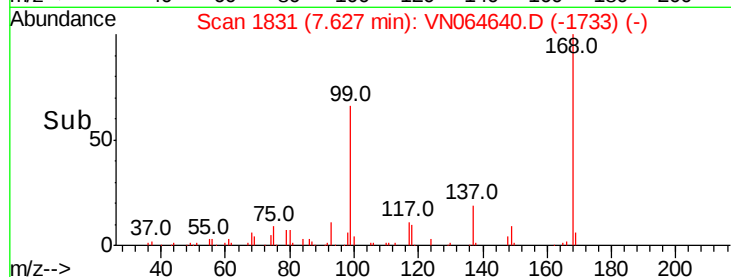
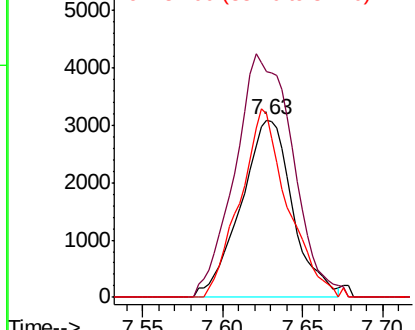
#31
Cyclohexane
Concen: 1.510 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064640.D
Acq: 13 Nov 2020 19:10

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion: 56 Resp: 6873
Ion Ratio Lower Upper
56 100
69 127.3 25.6 38.4#
84 103.7 63.0 94.6#

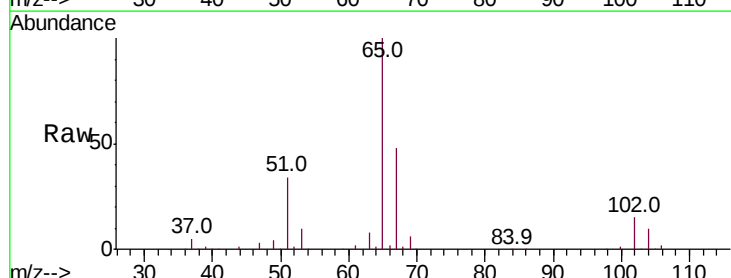


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

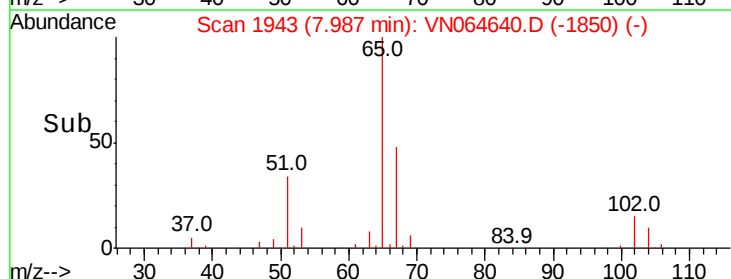
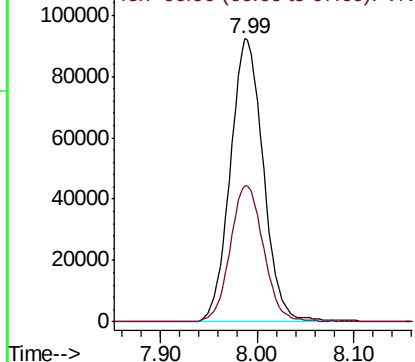


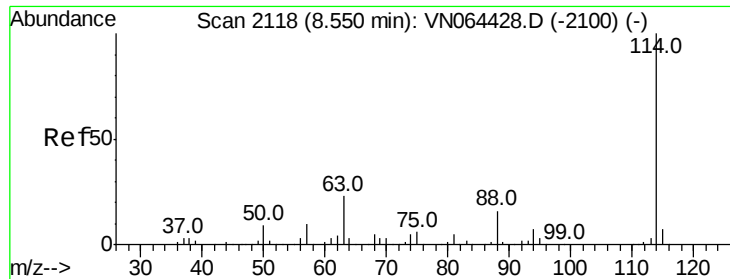
#33
1,2-Dichloroethane-d4
Concen: 58.439 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064640.D
Acq: 13 Nov 2020 19:10

Tgt Ion: 65 Resp: 218805
Ion Ratio Lower Upper
65 100
67 48.7 0.0 101.6



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

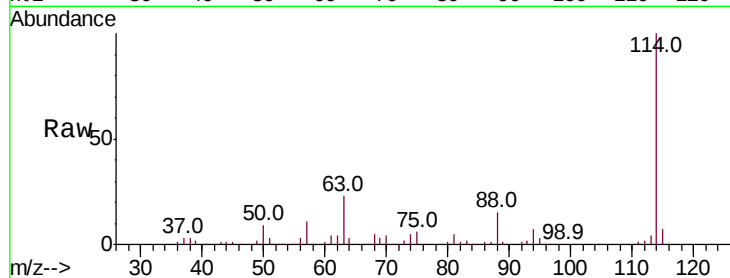




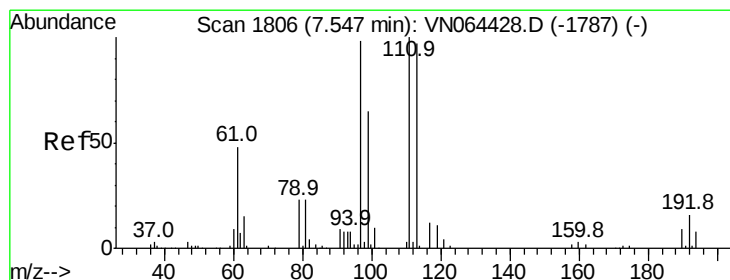
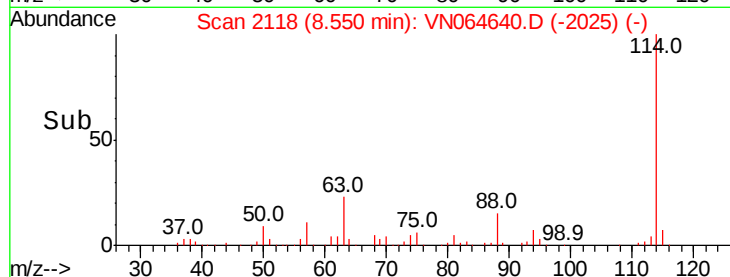
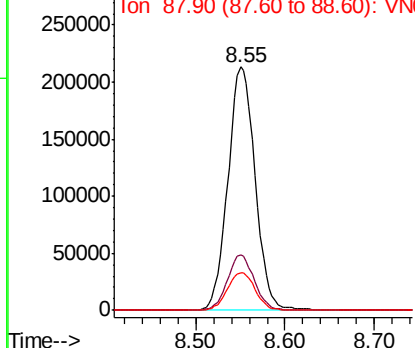
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064640.D
 Acq: 13 Nov 2020 19:10

Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

Tot Ion:114 Resp: 450544
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 15.3 0.0 32.8

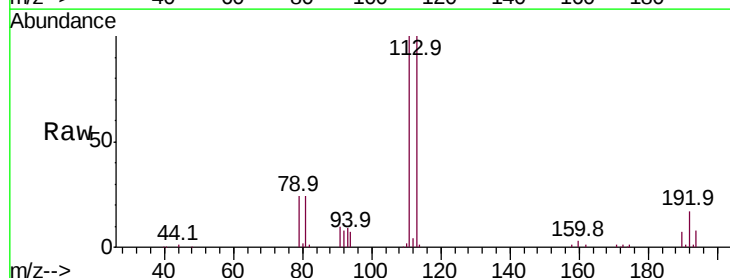


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

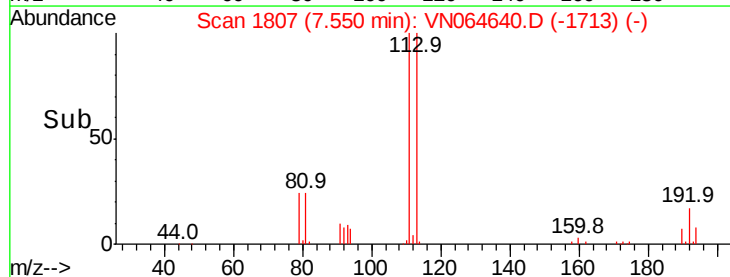
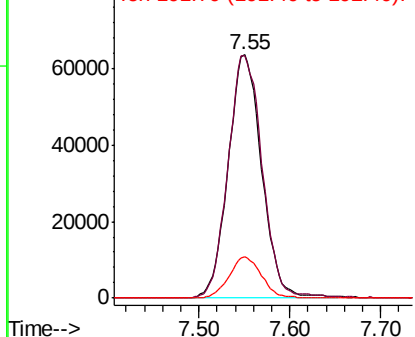


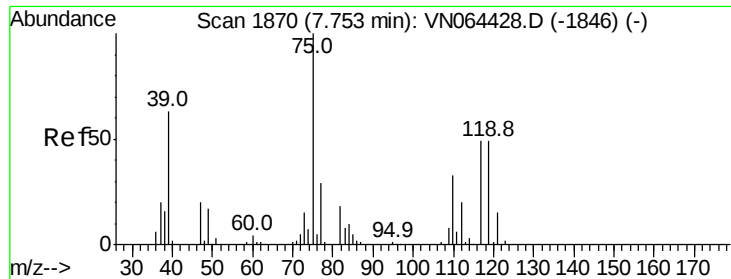
#35
 Dibromofluoromethane
 Concen: 53.169 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064640.D
 Acq: 13 Nov 2020 19:10

Tgt Ion:113 Resp: 163101
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.1 121.7
 192 16.3 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: 4.243 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

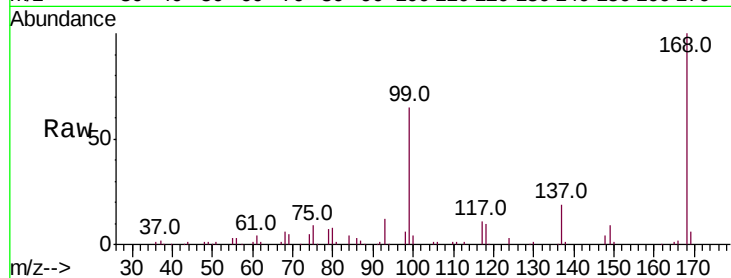
Tot Ion: 75 Resp: 20195

Ion Ratio Lower Upper

75 100

110 6.6 16.0 48.0#

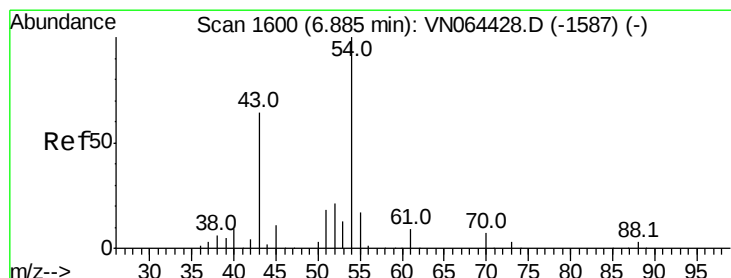
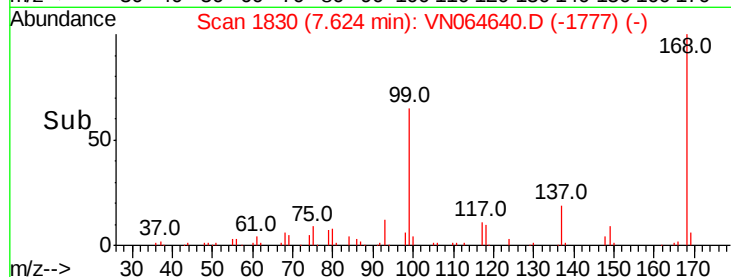
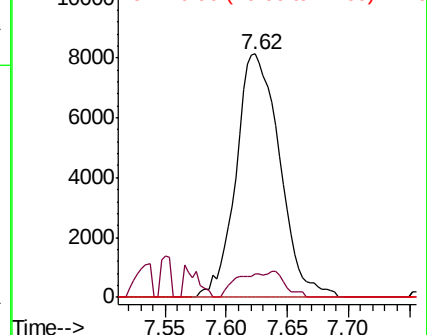
77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.775 ug/l

RT: 6.87 min Scan# 1595

Delta R.T. -0.02 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

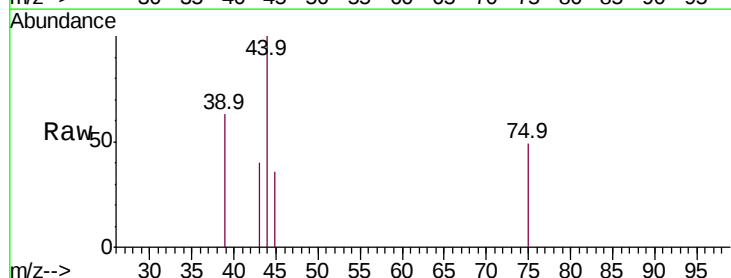
Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

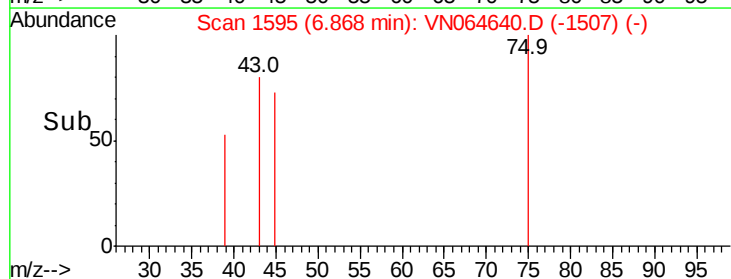
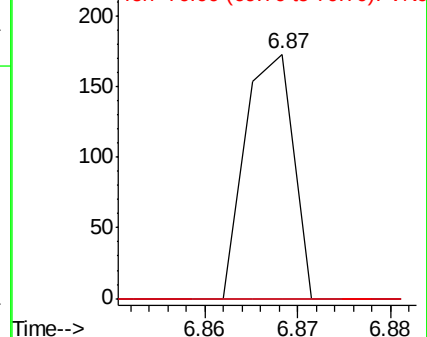
70 0.0 7.1 10.7#

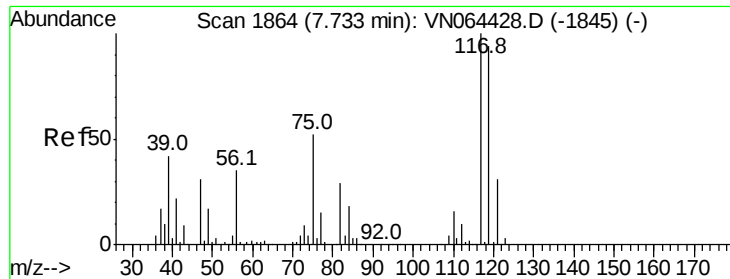


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 4.958 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

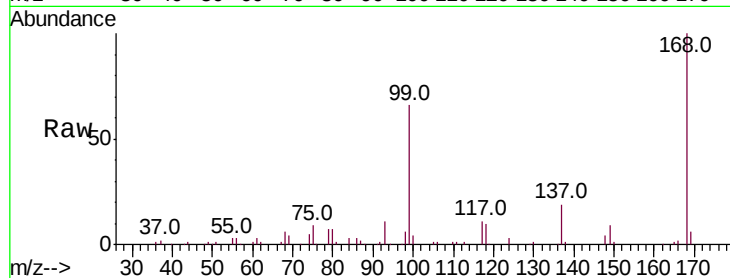
Tot Ion:117 Resp: 25219

Ion Ratio Lower Upper

117 100

119 3.5 75.5 113.3#

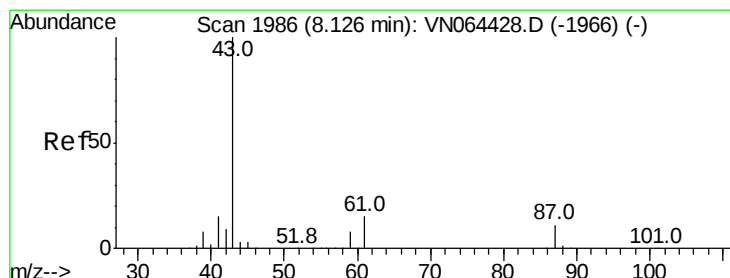
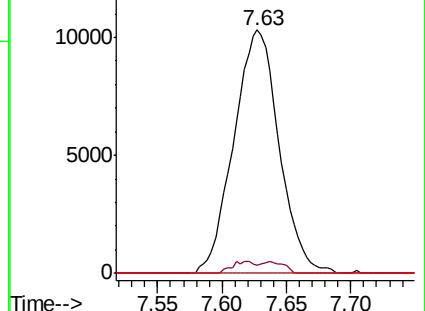
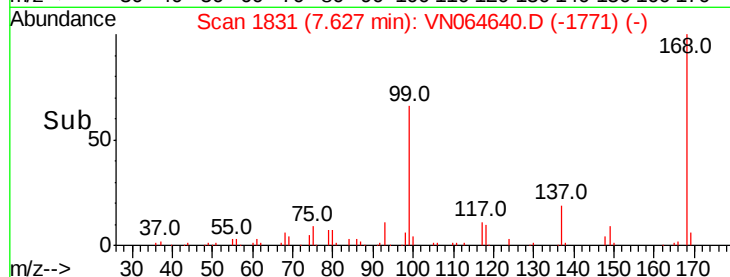
121 0.0 24.4 36.6#



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: 0.517 ug/l

RT: 8.21 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

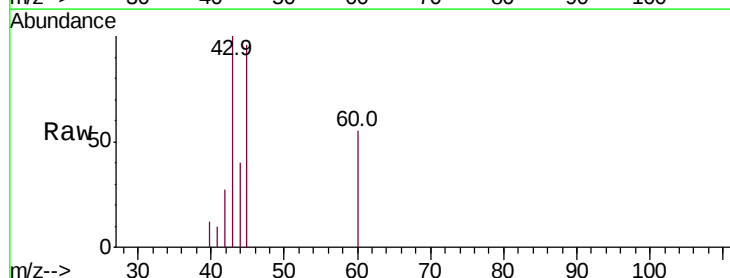
Tgt Ion: 43 Resp: 3987

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

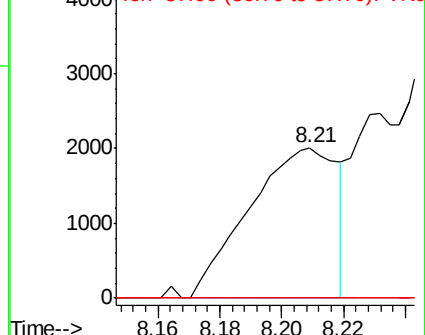
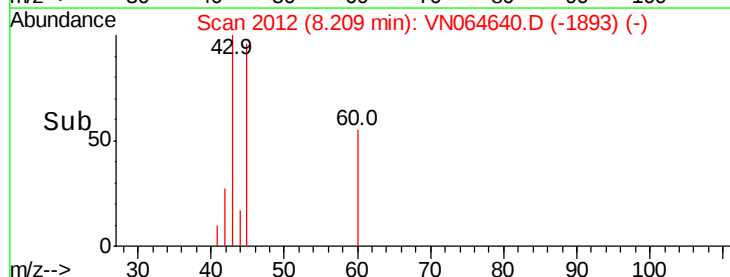
87 0.0 9.1 13.7#

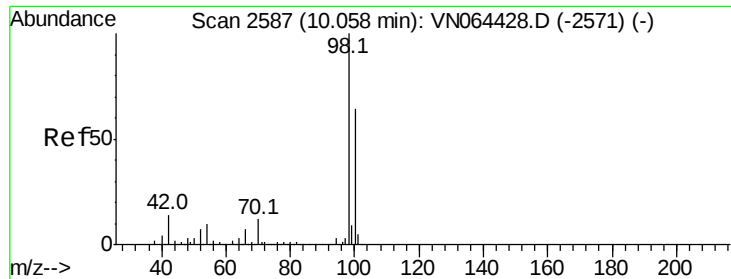


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 48.099 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

Instrument :

MSVOA_N

ClientSampleId :

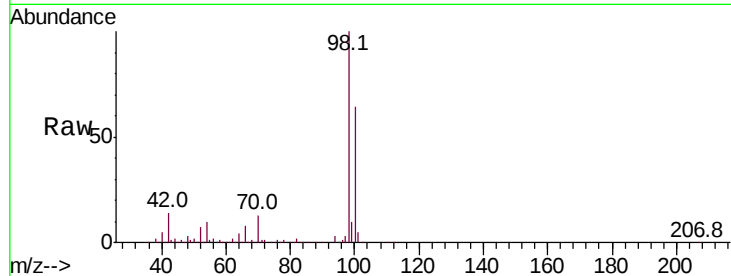
TRIP-BLANK

Tot Ion: 98 Resp: 570272

Ion Ratio Lower Upper

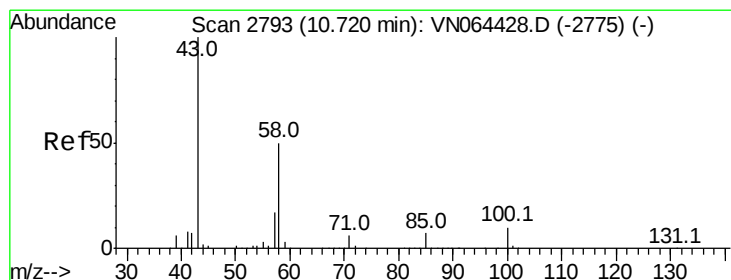
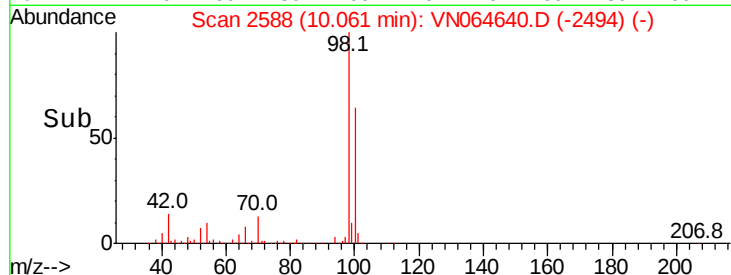
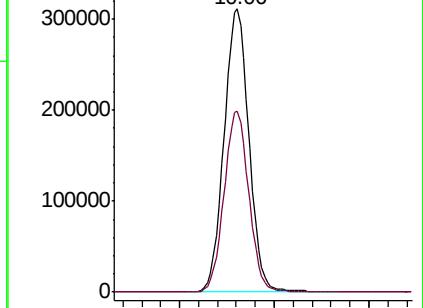
98 100

100 63.4 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) (-)



#59

2-Hexanone

Concen: 4.101 ug/l

RT: 10.71 min Scan# 2790

Delta R.T. -0.01 min

Lab File: VN064640.D

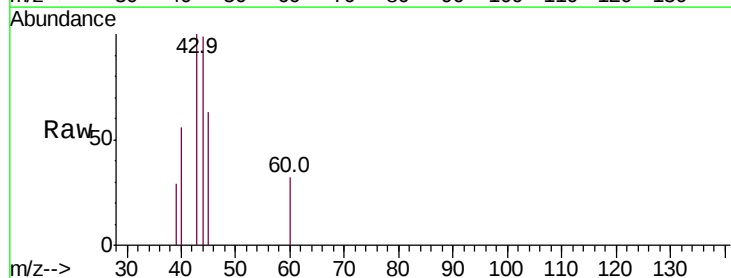
Acq: 13 Nov 2020 19:10

Tgt Ion: 43 Resp: 270

Ion Ratio Lower Upper

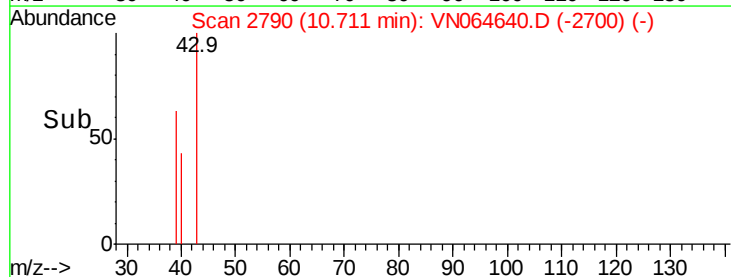
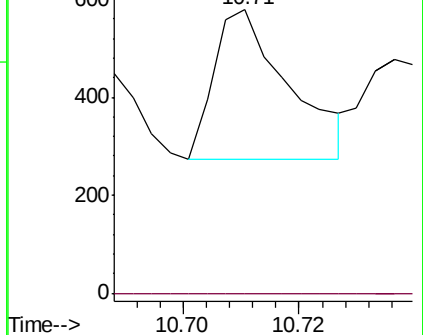
43 100

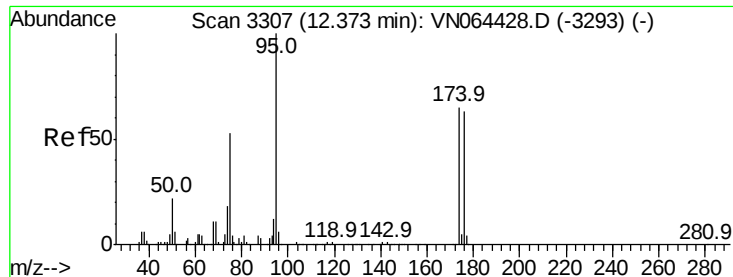
58 0.0 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2775) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2775) (-)





#62

4-Bromofluorobenzene

Concen: 47.463 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

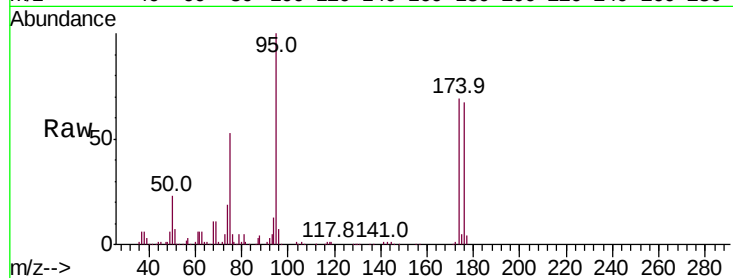
Tot Ion: 95 Resp: 212820

Ion Ratio Lower Upper

95 100

174 70.5 0.0 132.6

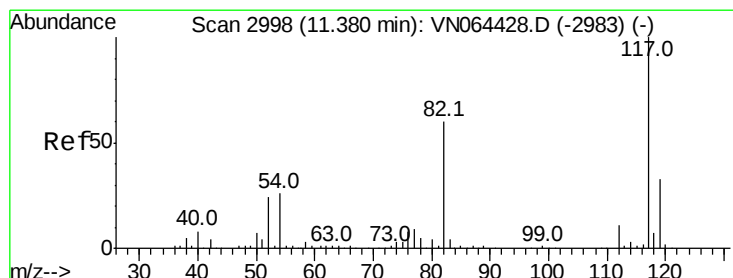
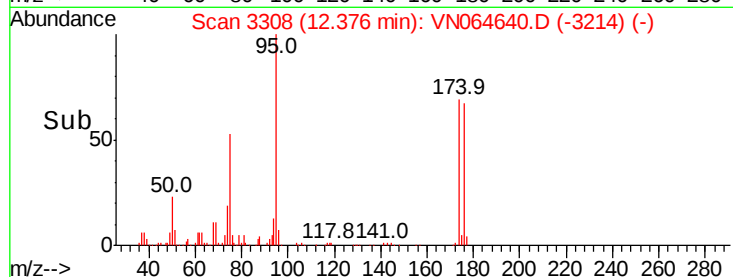
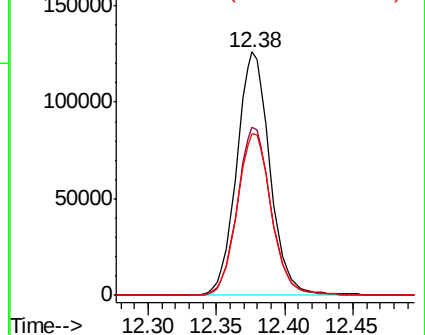
176 68.5 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

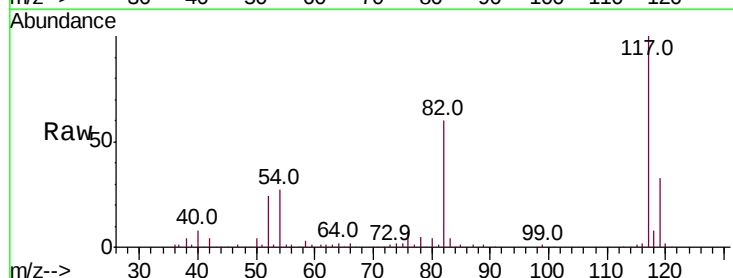
Tgt Ion: 117 Resp: 460411

Ion Ratio Lower Upper

117 100

82 60.3 48.1 72.1

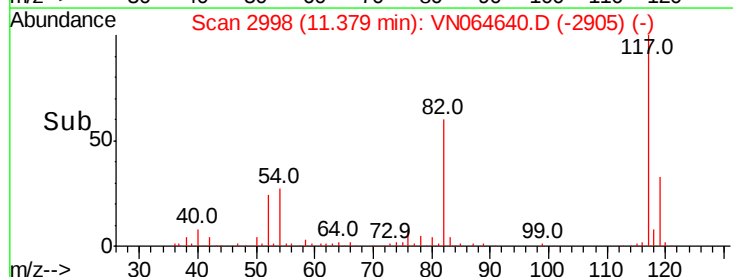
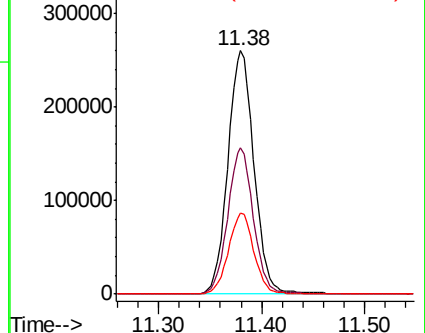
119 33.5 26.2 39.4

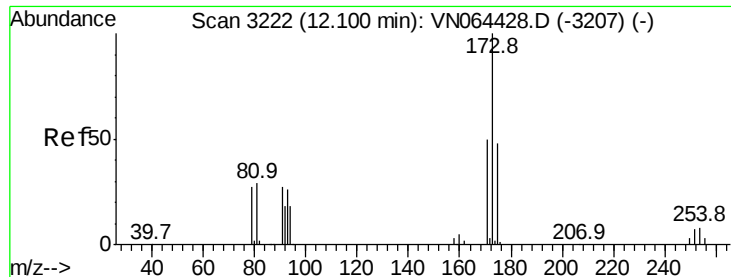


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 1.286 ug/l

RT: 12.36 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

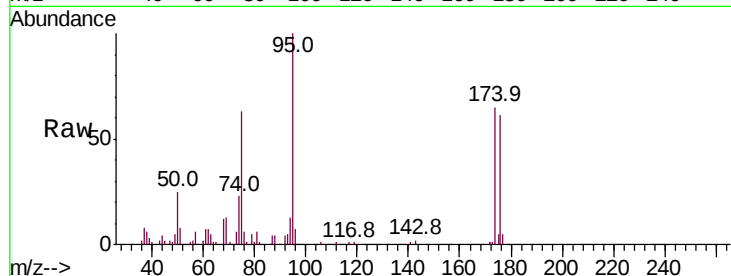
Tot Ion:173 Resp: 32

Ion Ratio Lower Upper

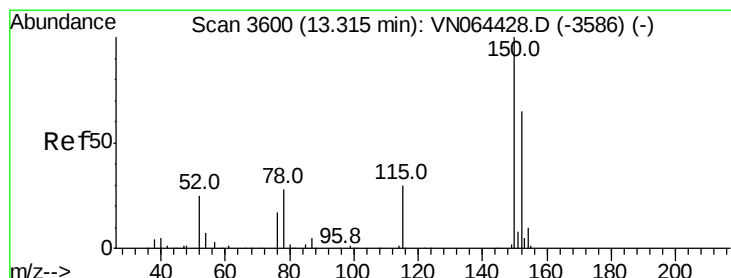
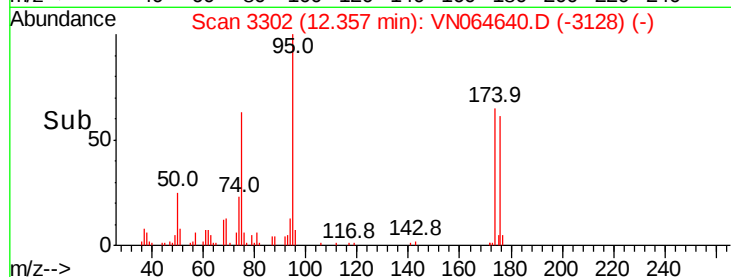
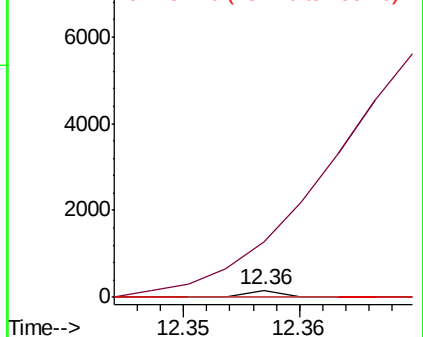
173 100

175 29637.5 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: VN064640.D

Acq: 13 Nov 2020 19:10

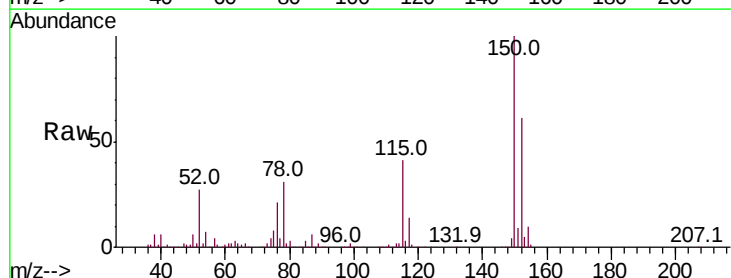
Tgt Ion:152 Resp: 167331

Ion Ratio Lower Upper

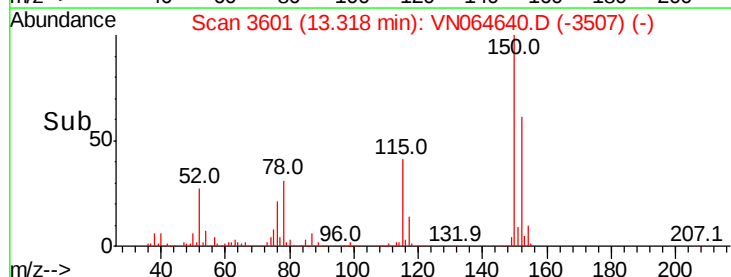
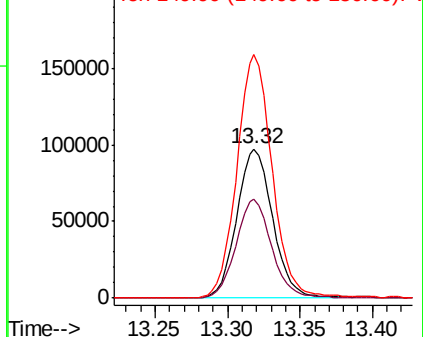
152 100

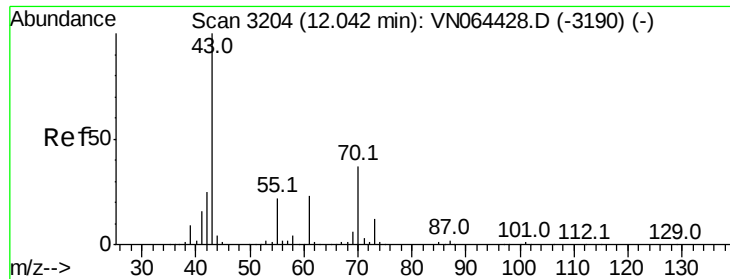
115 66.0 32.0 96.0

150 160.6 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: 1.239 ug/l

RT: 12.03 min Scan# 3201

Delta R.T. -0.01 min

Lab File: VN064640.D

Acq: 13 Nov 2020 19:10

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

Tot Ion: 43 Resp: 163

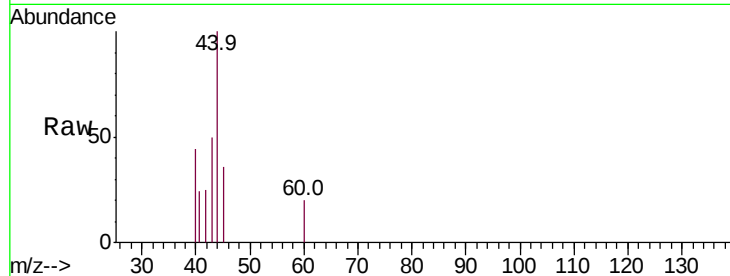
Ion Ratio Lower Upper

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): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

12.03

400

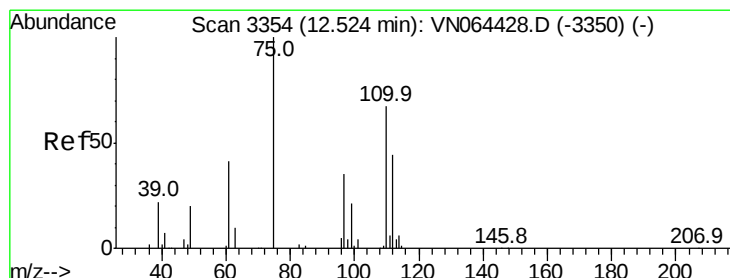
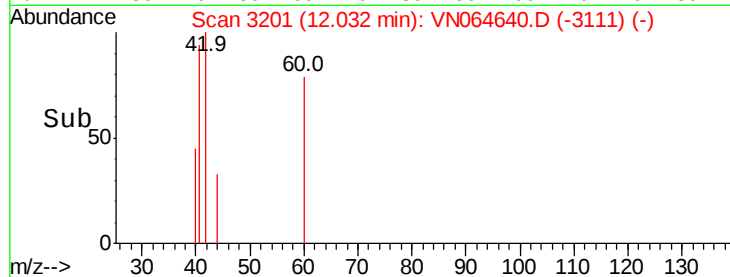
300

200

100

0

Time--> 12.00 12.02 12.04 12.06



#76

1,2,3-Trichloropropane

Concen: 29.332 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064640.D

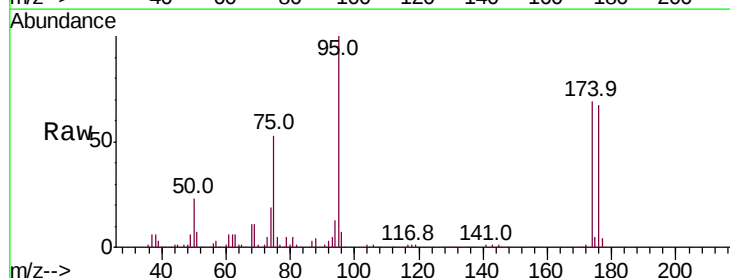
Acq: 13 Nov 2020 19:10

Tgt Ion: 75 Resp: 118919

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.38

80000

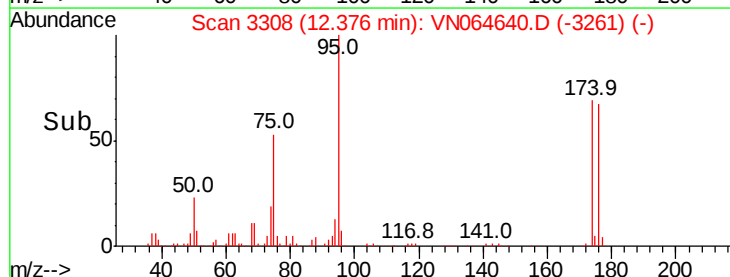
60000

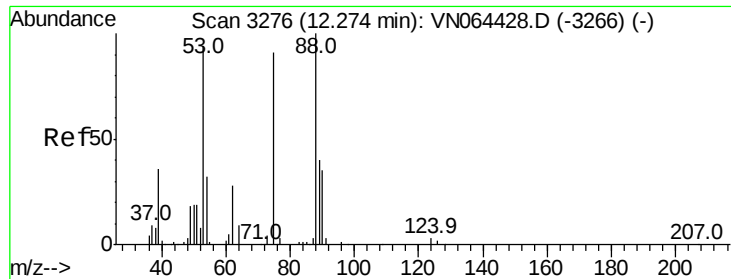
40000

20000

0

Time--> 12.30 12.35 12.40 12.45

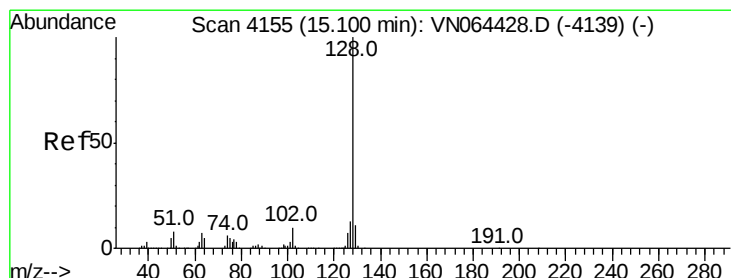
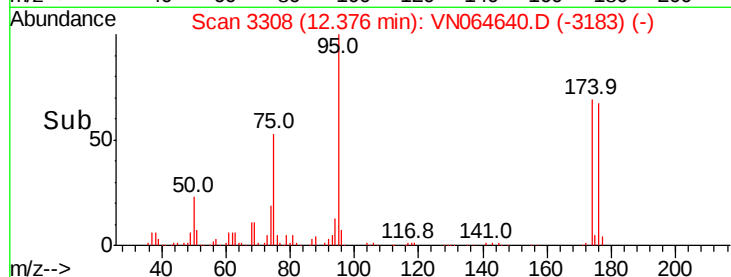
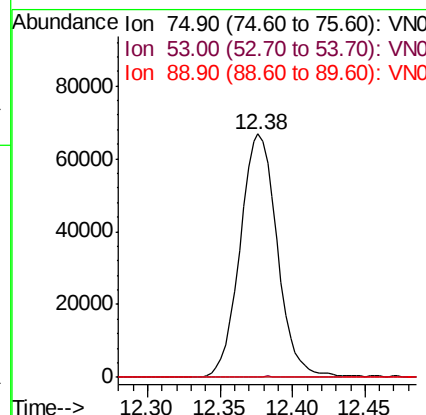
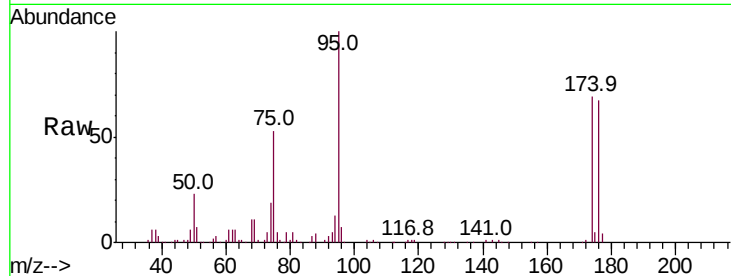




#81
trans-1,4-Dichloro-2-butene
Concen: 81.897 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064640.D
Acq: 13 Nov 2020 19:10

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion: 75 Resp: 118919
Ion Ratio Lower Upper
75 100
53 0.2 84.0 126.0#
89 0.0 36.3 54.5#



#95
Naphthalene
Concen: 3.626 ug/l
RT: 15.12 min Scan# 4160
Delta R.T. 0.02 min
Lab File: VN064640.D
Acq: 13 Nov 2020 19:10

Tgt Ion: 128 Resp: 30
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.8 13.2#

