

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064662.D
 Acq On : 16 Nov 2020 15:24
 Operator : JC/MD
 Sample : L4774-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Nov 17 03:46:39 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	226263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	490583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178582	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	227733	57.78	ug/l	0.00
Spiked Amount			Recovery	=	115.56%	
35) Dibromofluoromethane	7.55	113	164995	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.06	98	601472	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.38	95	224838	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	

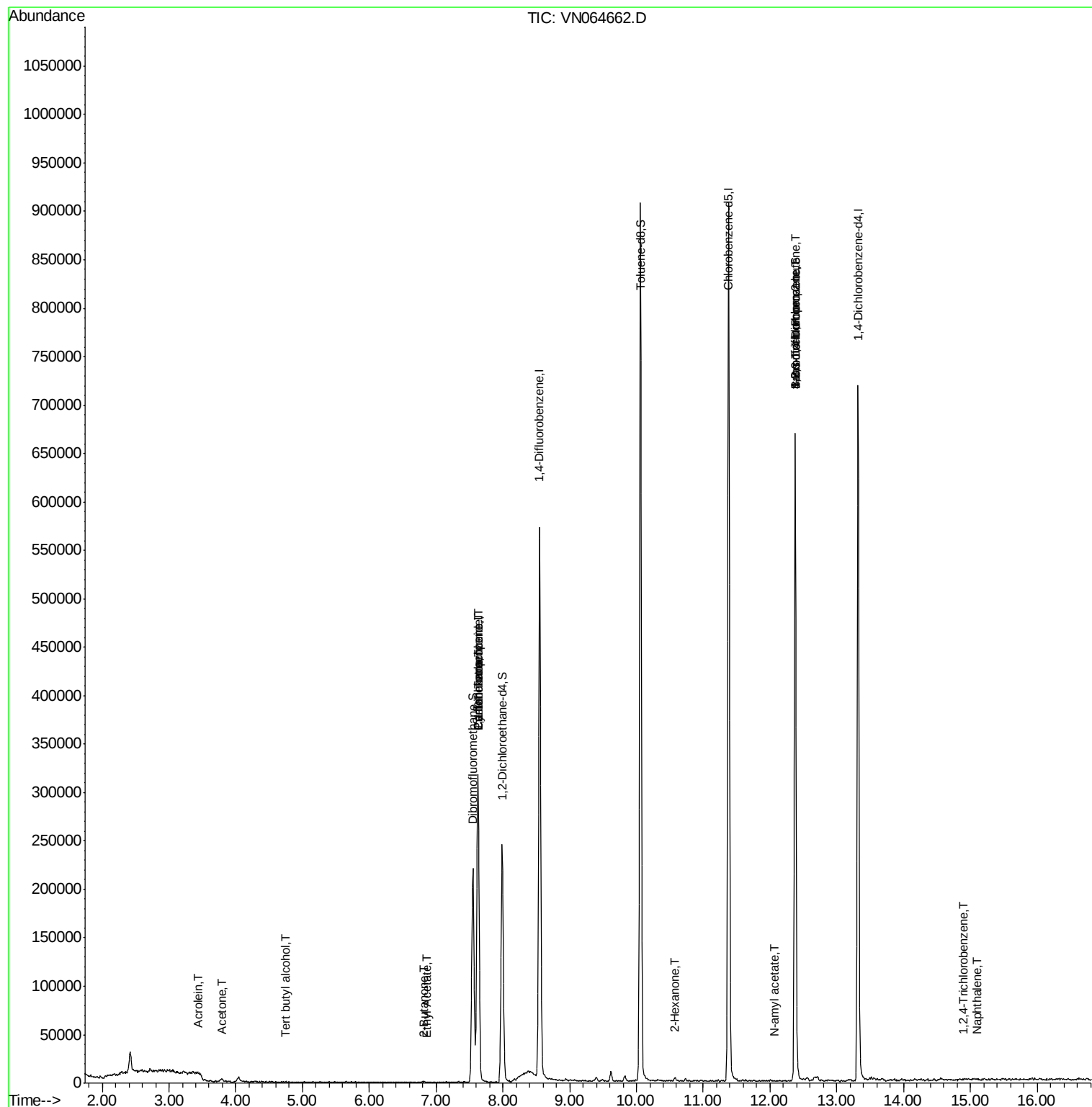
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	208	0.479	ug/l #	71
13) Acrolein	3.44	56	214	0.794	ug/l #	1
16) Acetone	3.78	43	5655	3.767	ug/l	93
25) 2-Butanone	6.80	43	403	0.211	ug/l #	52
31) Cyclohexane	7.62	56	6812	1.422	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	22841	4.624	ug/l #	48
37) Ethyl Acetate	6.86	43	102	0.782	ug/l #	57
38) Carbon Tetrachloride	7.62	117	26389	4.998	ug/l #	17
59) 2-Hexanone	10.57	43	2619	4.705	ug/l	70
71) Bromoform	12.37	173	543	1.451	ug/l #	1
74) N-amyl acetate	12.06	43	276	1.253	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	130573	30.177	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	130573	84.258	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.90	180	35	2.676	ug/l #	12
95) Naphthalene	15.10	128	30	3.626	ug/l #	69

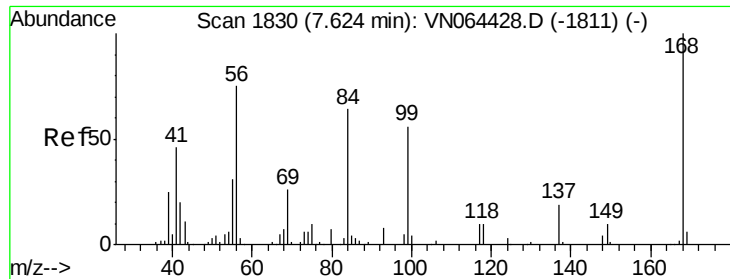
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

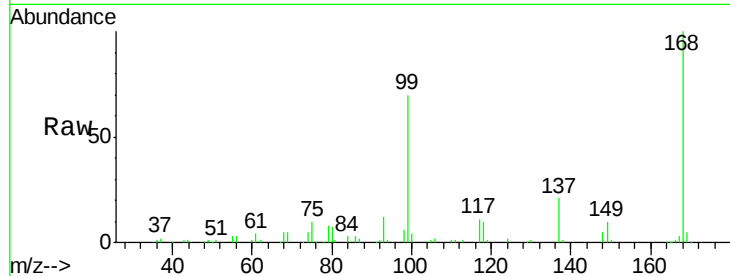
MW-2

Tot Ion:168 Resp: 226263

Ion Ratio Lower Upper

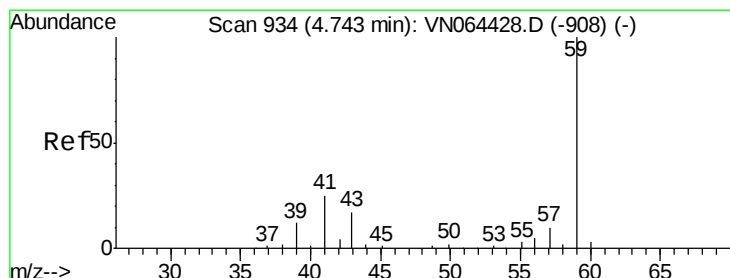
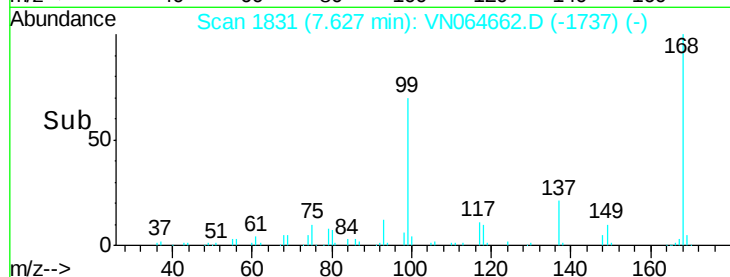
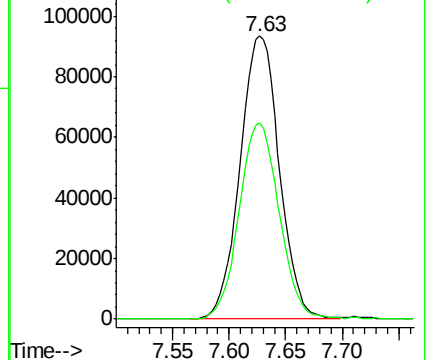
168 100

99 69.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.479 ug/l

RT: 4.75 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN064662.D

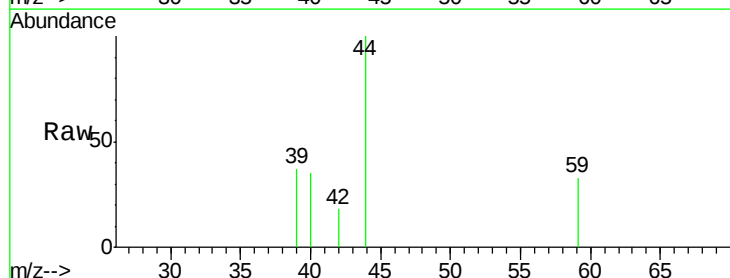
Acq: 16 Nov 2020 15:24

Tgt Ion: 59 Resp: 208

Ion Ratio Lower Upper

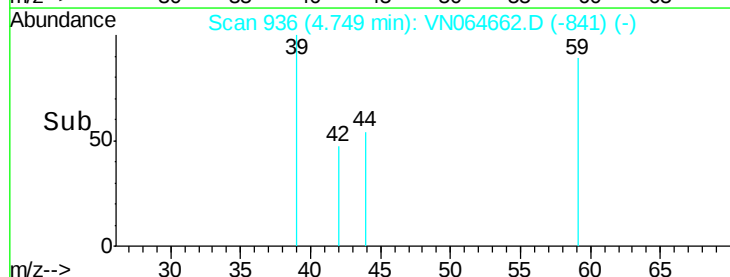
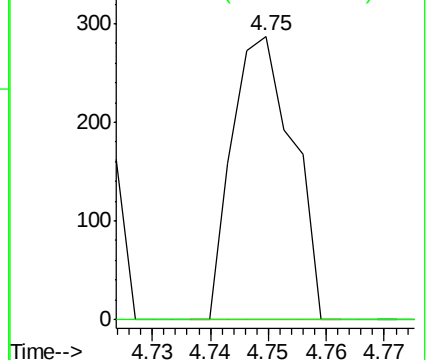
59 100

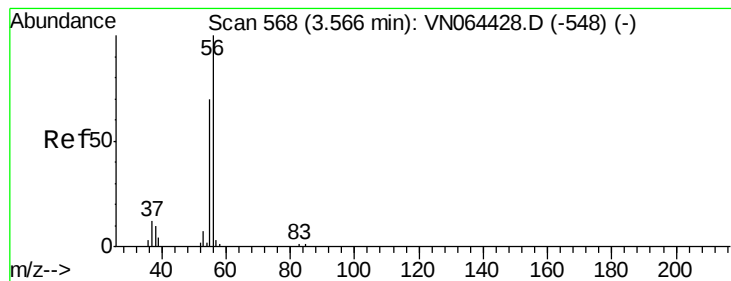
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 0.794 ug/l

RT: 3.44 min Scan# 528

Delta R.T. -0.13 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

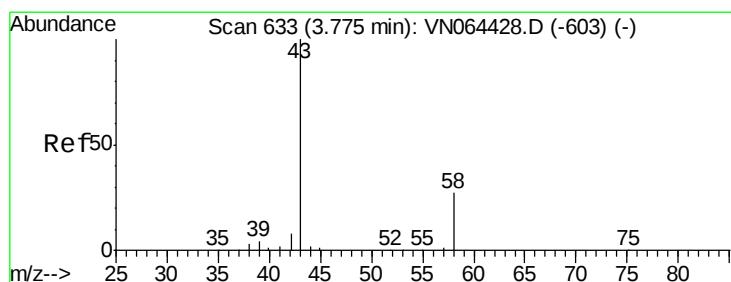
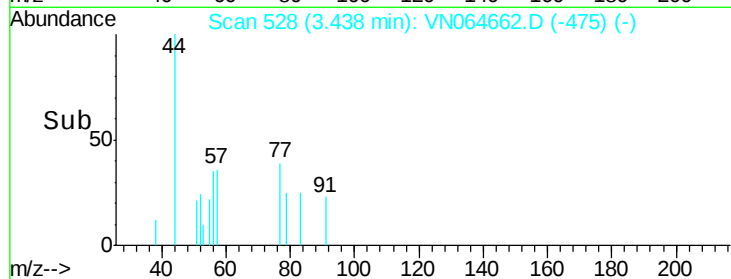
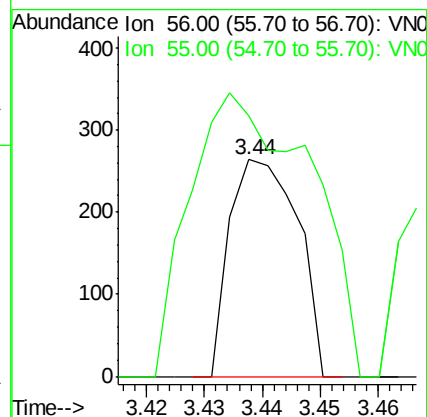
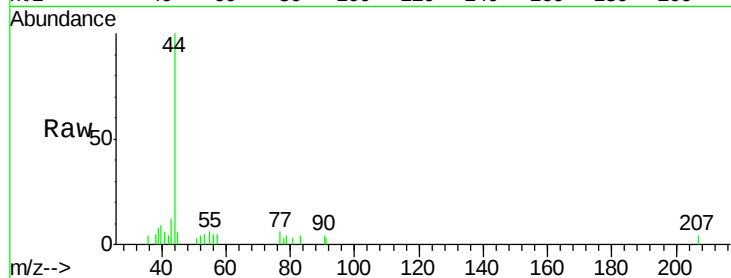
MW-2

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 232.7 55.9 83.9#



#16

Acetone

Concen: 3.767 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064662.D

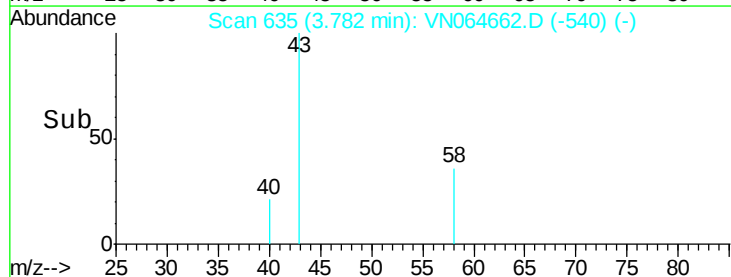
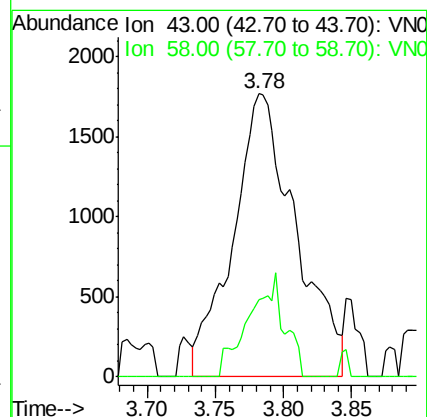
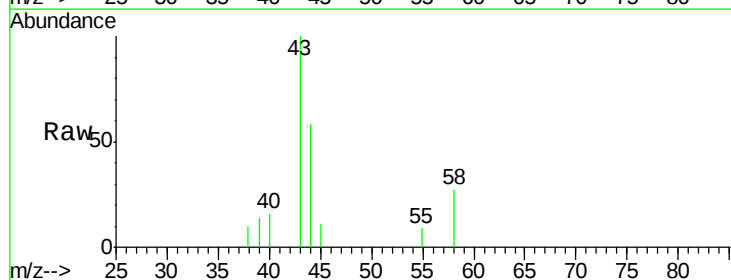
Acq: 16 Nov 2020 15:24

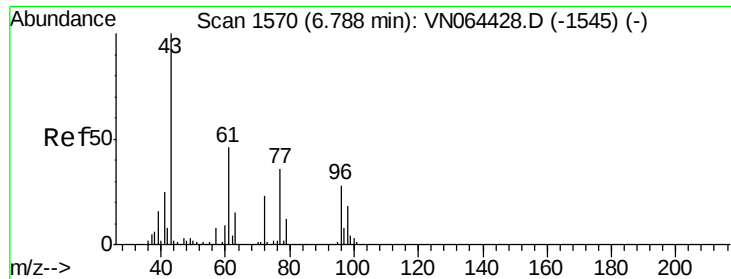
Tgt Ion: 43 Resp: 5655

Ion Ratio Lower Upper

43 100

58 30.5 21.4 32.0





#25

2-Butanone

Concen: 0.211 ug/l

RT: 6.80 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

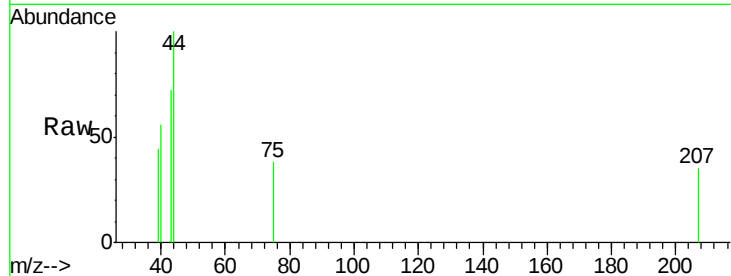
MW-2

Tot Ion: 43 Resp: 403

Ion Ratio Lower Upper

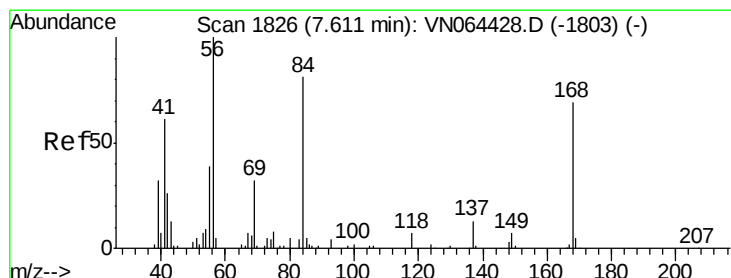
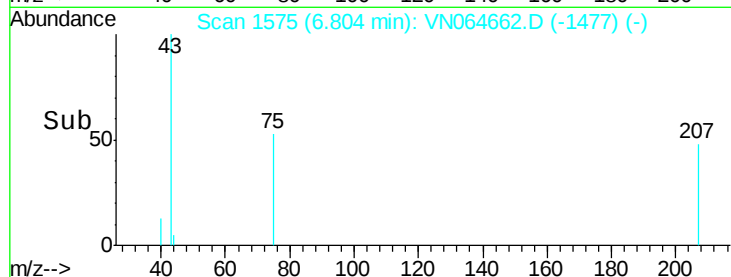
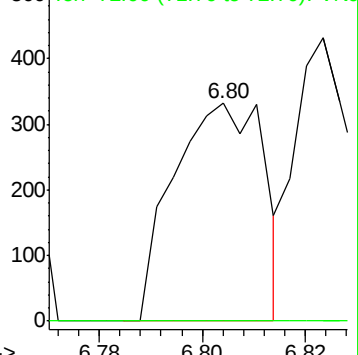
43 100

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



#31

Cyclohexane

Concen: 1.422 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

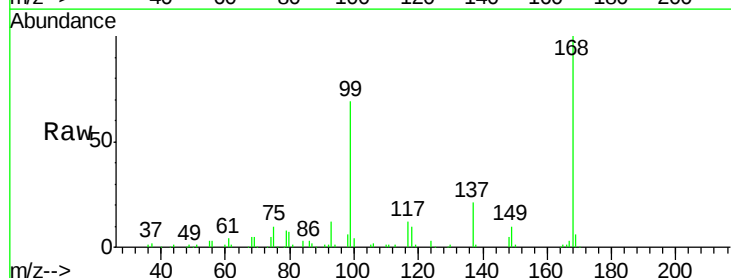
Tgt Ion: 56 Resp: 6812

Ion Ratio Lower Upper

56 100

69 149.1 25.6 38.4#

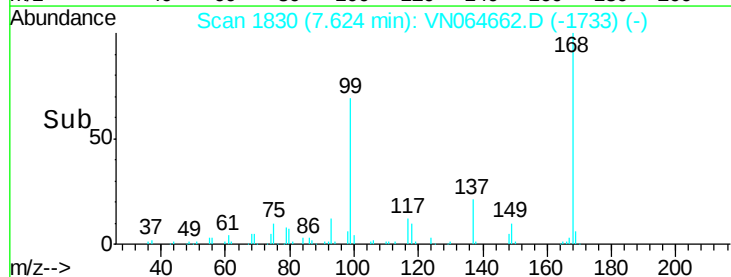
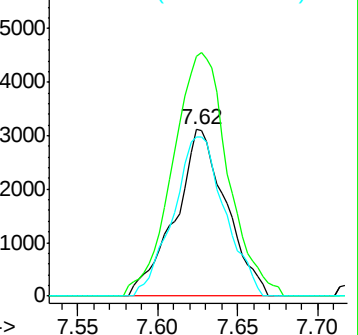
84 96.0 63.0 94.6#

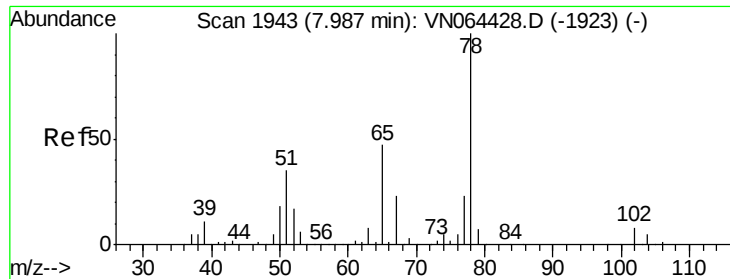


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 57.783 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

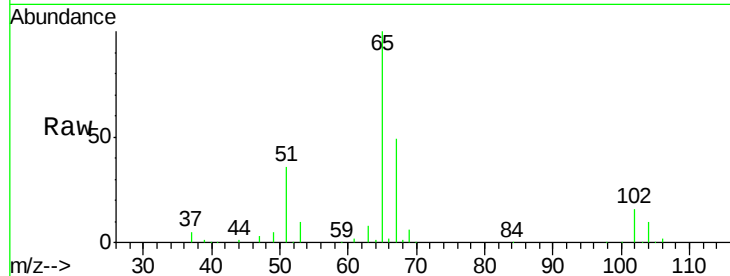
MW-2

Tot Ion: 65 Resp: 227733

Ion Ratio Lower Upper

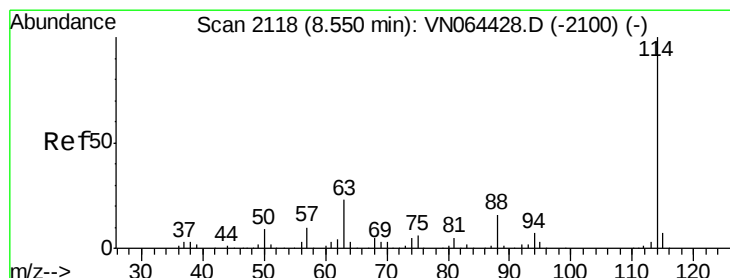
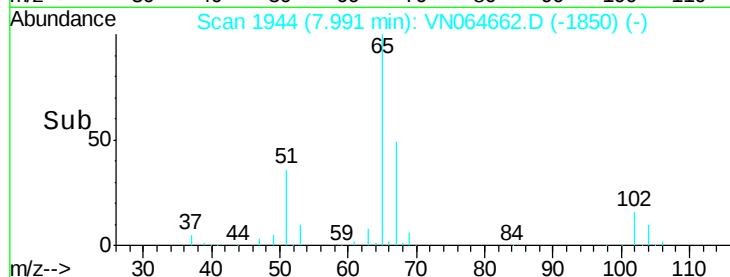
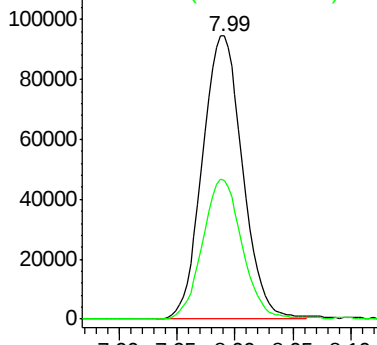
65 100

67 48.5 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: VN064662.D

Acq: 16 Nov 2020 15:24

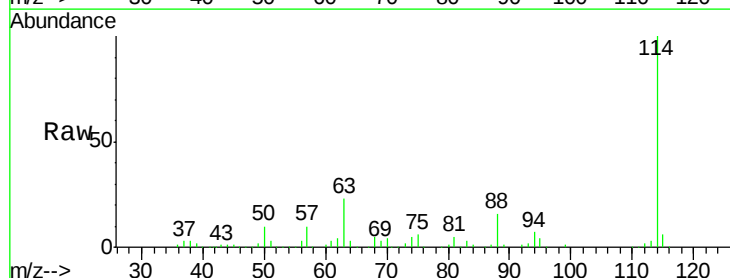
Tgt Ion: 114 Resp: 467621

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

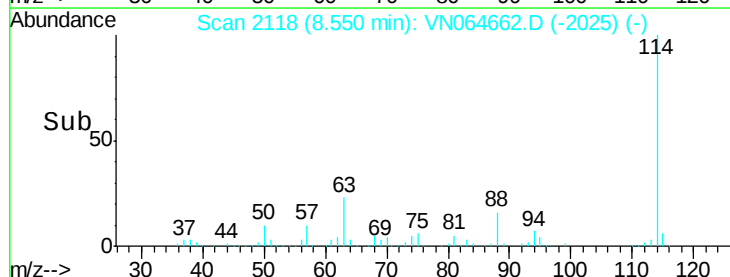
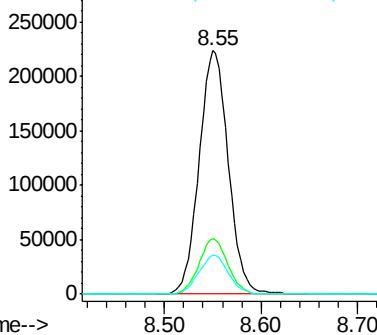
88 16.1 0.0 32.8

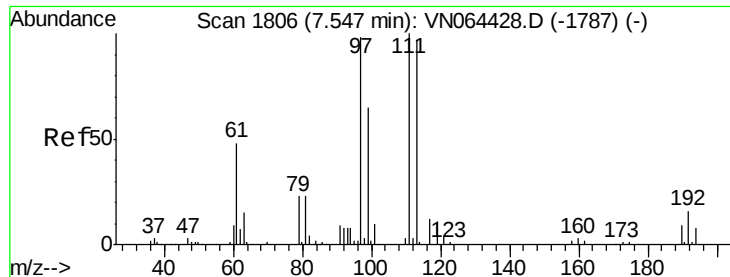


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

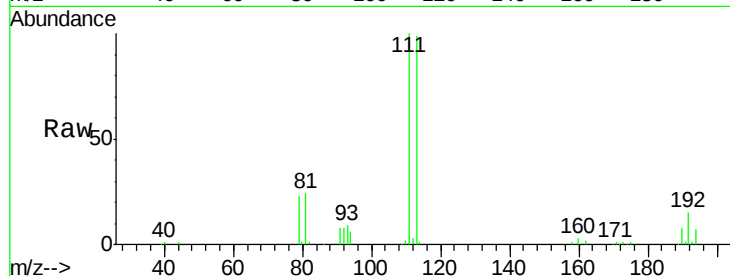




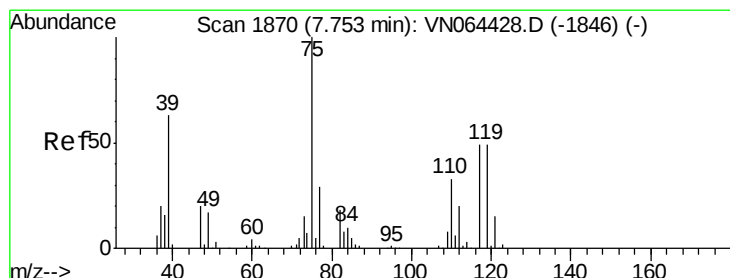
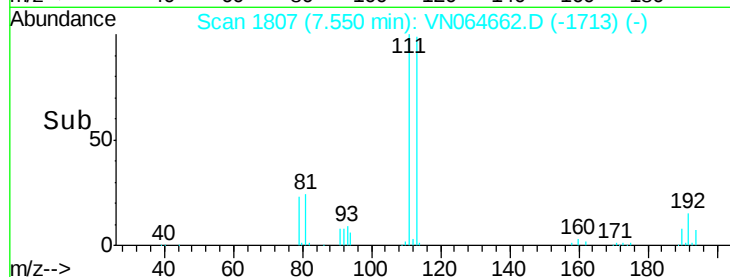
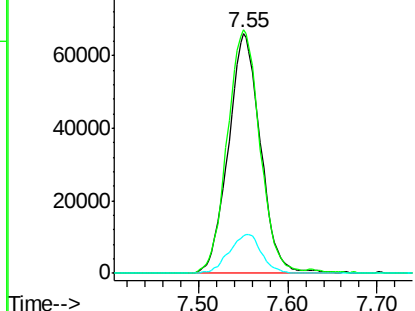
#35
 Dibromofluoromethane
 Concen: 51.822 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064662.D
 Acq: 16 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tot Ion:113 Resp: 164995
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.1 121.7
 192 16.4 12.8 19.2

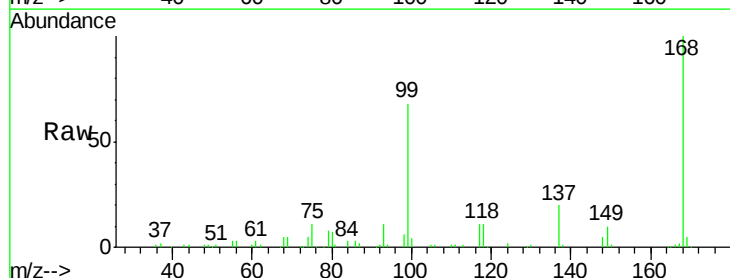


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

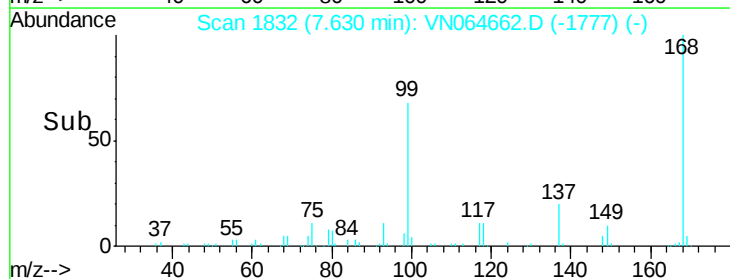
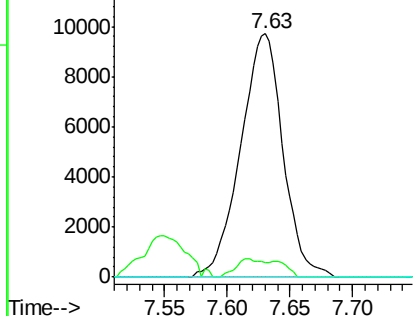


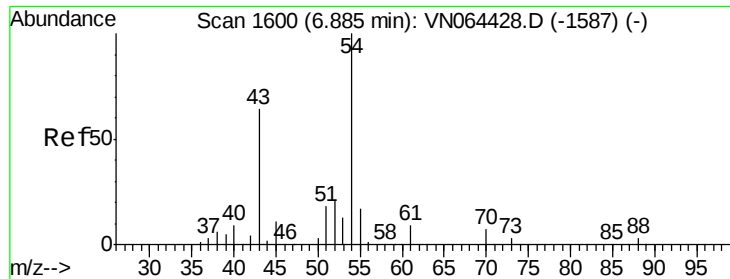
#36
 1,1-Dichloropropene
 Concen: 4.624 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064662.D
 Acq: 16 Nov 2020 15:24

Tgt Ion: 75 Resp: 22841
 Ion Ratio Lower Upper
 75 100
 110 4.7 16.0 48.0#
 77 0.0 24.0 36.0#



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

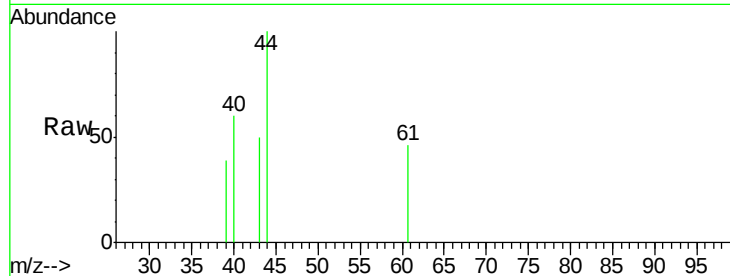




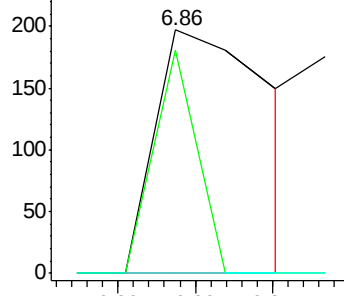
#37
Ethyl Acetate
Concen: 0.782 ug/l
RT: 6.86 min Scan# 1592
Delta R.T. -0.03 min
Lab File: VN064662.D
Acq: 16 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
MW-2

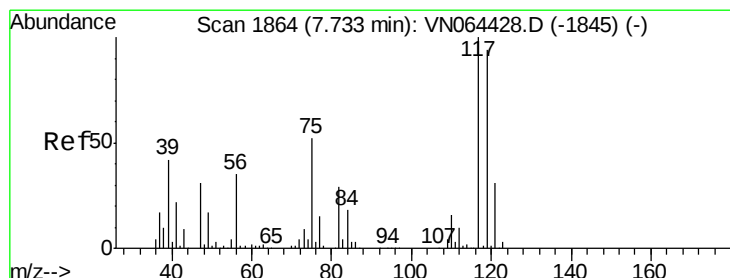
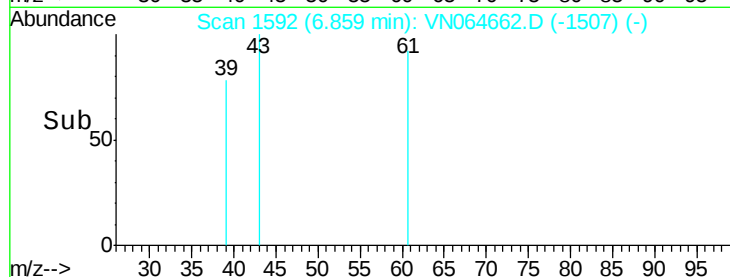
Tot Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
61 34.3 10.0 15.0#
70 0.0 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1587) (-)
Ion 60.90 (60.60 to 61.60): VN064428.D (-1587) (-)
Ion 70.00 (69.70 to 70.70): VN064428.D (-1587) (-)

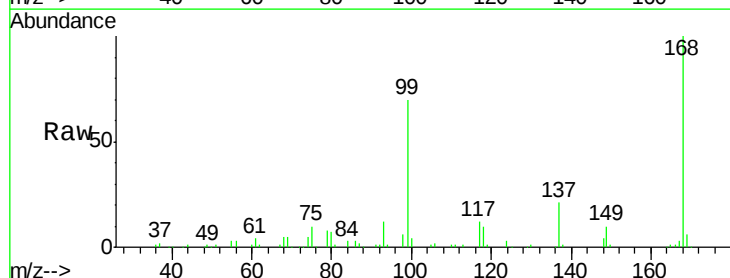


Time-->

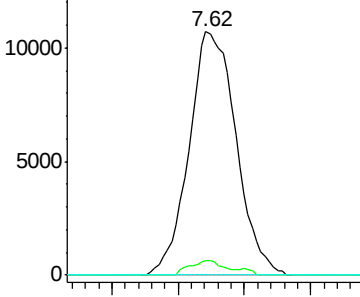


#38
Carbon Tetrachloride
Concen: 4.998 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.11 min
Lab File: VN064662.D
Acq: 16 Nov 2020 15:24

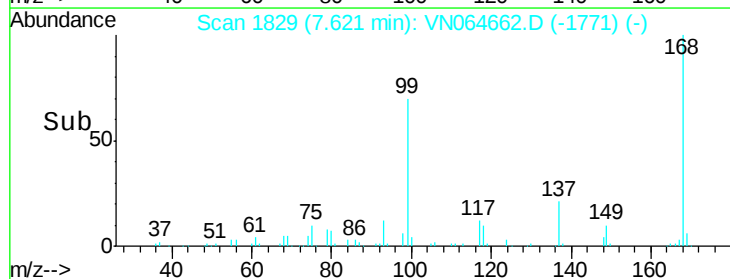
Tgt Ion: 117 Resp: 26389
Ion Ratio Lower Upper
117 100
119 6.0 75.5 113.3#
121 0.0 24.4 36.6#

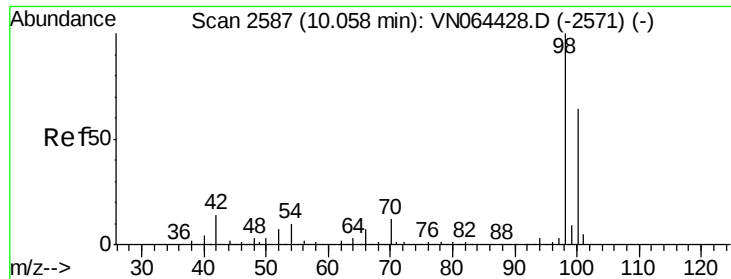


Abundance Ion 116.80 (116.50 to 117.50): VN064428.D (-1845) (-)
Ion 118.80 (118.50 to 119.50): VN064428.D (-1845) (-)
Ion 120.80 (120.50 to 121.50): VN064428.D (-1845) (-)



Time-->





#50

Toluene-d8

Concen: 48.878 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

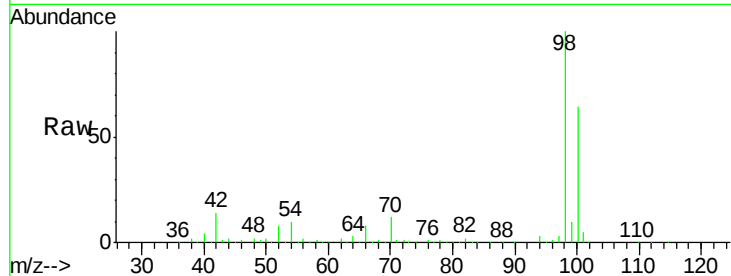
MW-2

Tot Ion: 98 Resp: 601472

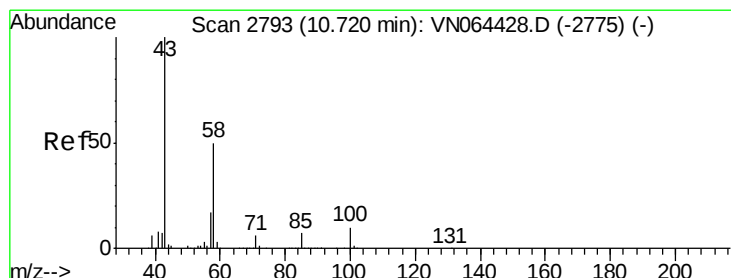
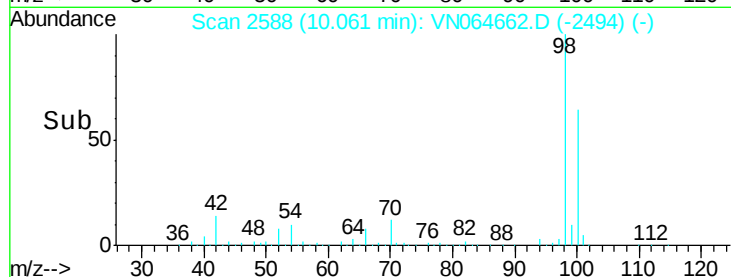
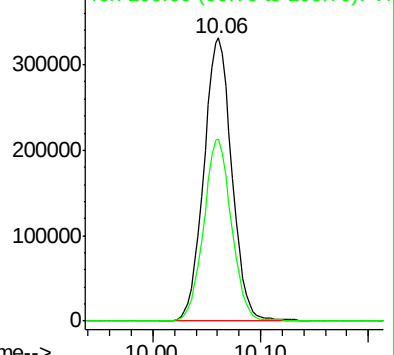
Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



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



#59

2-Hexanone

Concen: 4.705 ug/l

RT: 10.57 min Scan# 2747

Delta R.T. -0.15 min

Lab File: VN064662.D

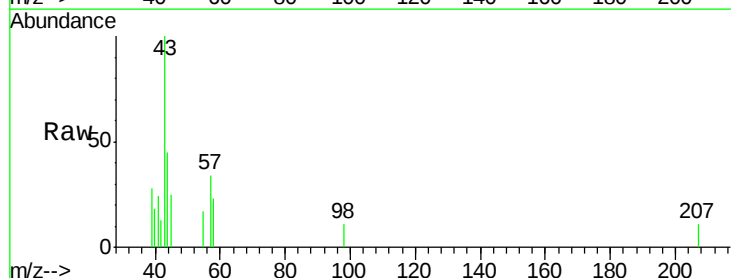
Acq: 16 Nov 2020 15:24

Tgt Ion: 43 Resp: 2619

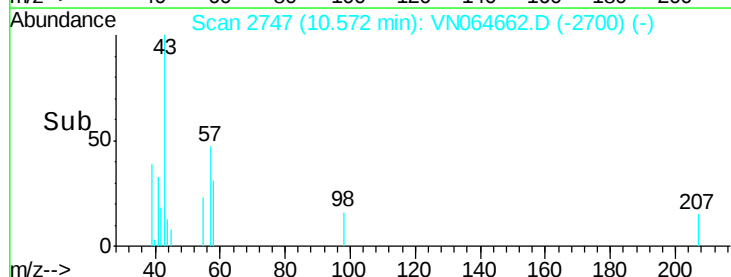
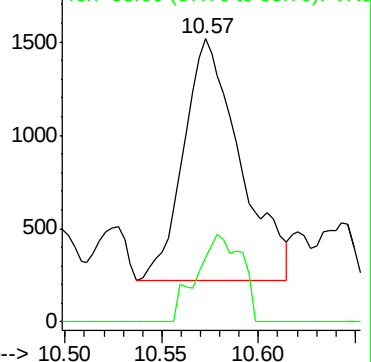
Ion Ratio Lower Upper

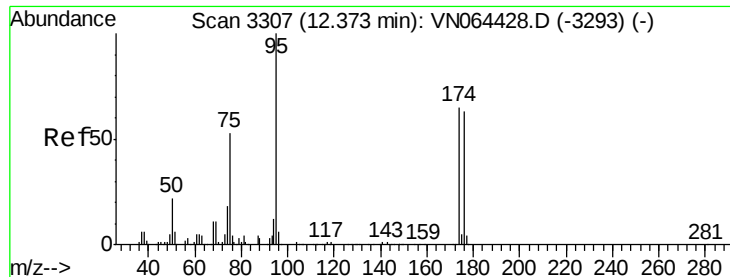
43 100

58 28.7 24.7 74.1



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





#62

4-Bromofluorobenzene

Concen: 48.312 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

MW-2

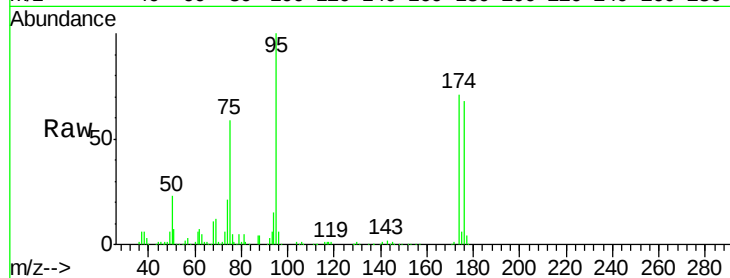
Tot Ion: 95 Resp: 224838

Ion Ratio Lower Upper

95 100

174 71.3 0.0 132.6

176 68.0 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) (-)

12.38

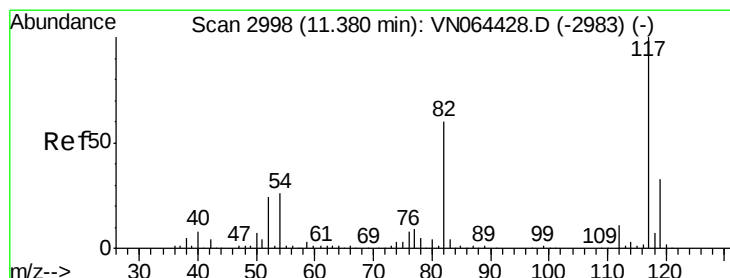
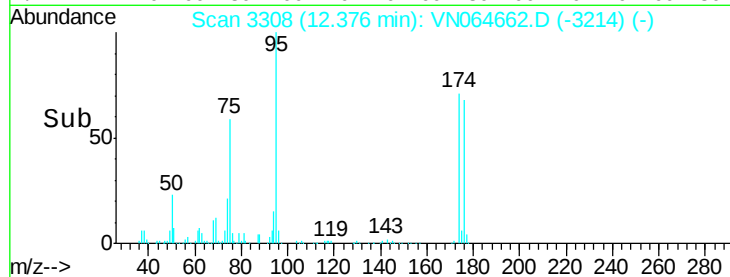
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

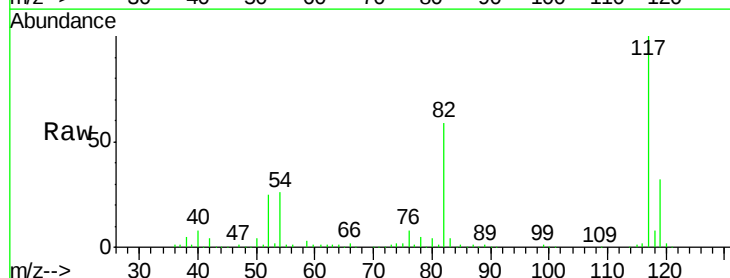
Tgt Ion: 117 Resp: 490583

Ion Ratio Lower Upper

117 100

82 58.8 48.1 72.1

119 31.7 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) (-)

11.38

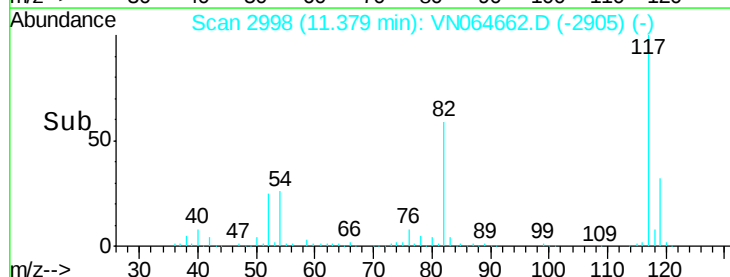
300000

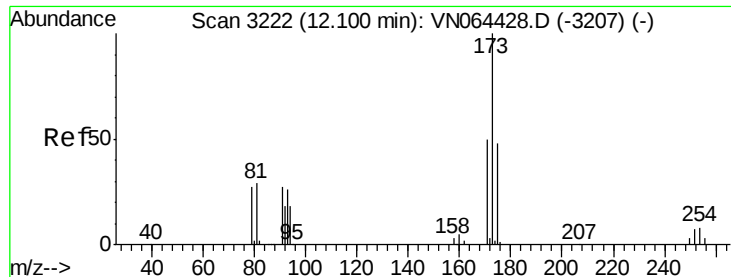
200000

100000

0

Time-->





#71

Bromoform

Concen: 1.451 ug/l

RT: 12.37 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

MW-2

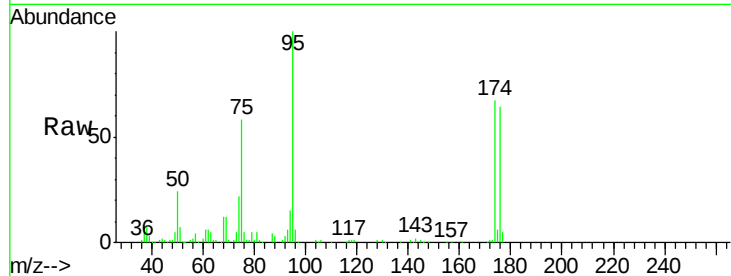
Tot Ion:173 Resp: 543

Ion Ratio Lower Upper

173 100

175 1947.1 23.7 71.1#

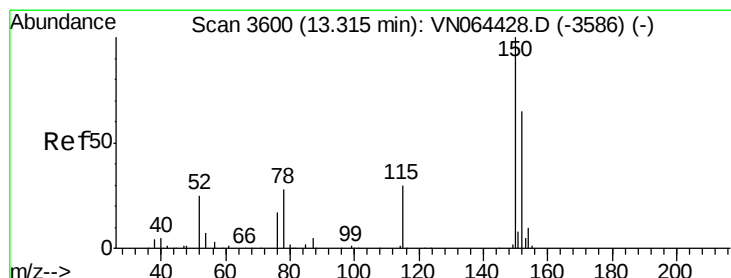
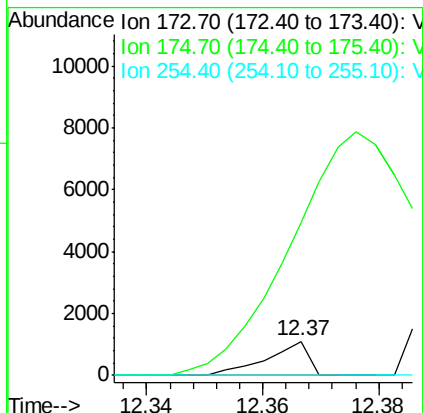
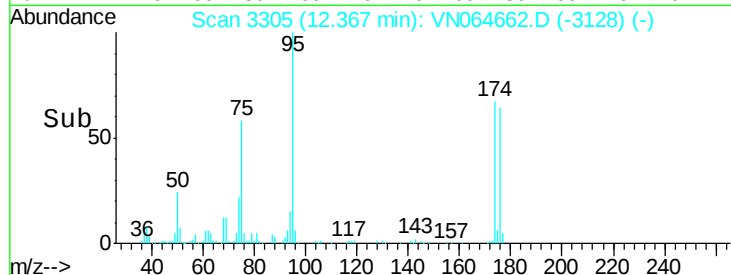
254 0.0 0.0 0.0



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: VN064662.D

Acq: 16 Nov 2020 15:24

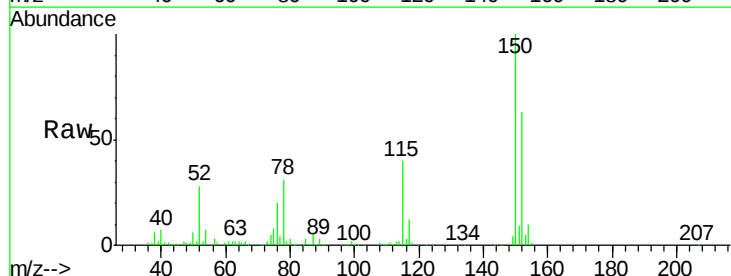
Tgt Ion:152 Resp: 178582

Ion Ratio Lower Upper

152 100

115 64.4 32.0 96.0

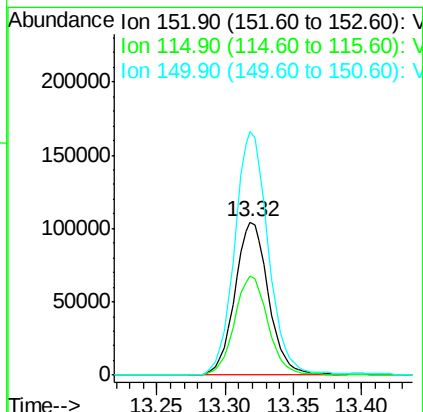
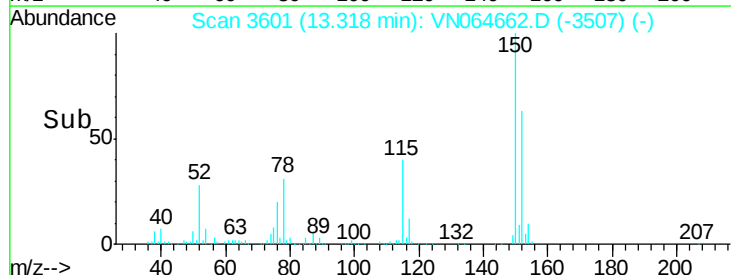
150 159.3 0.0 353.8

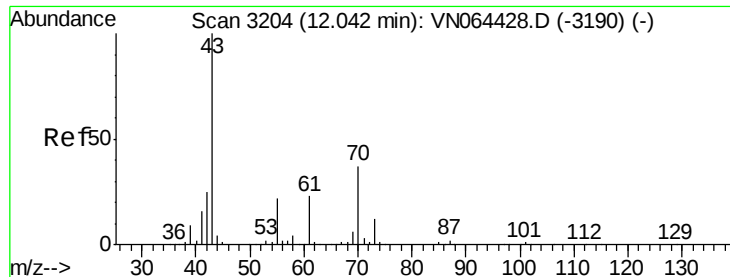


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.253 ug/l

RT: 12.06 min Scan# 3210

Delta R.T. 0.02 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 43 Resp: 276

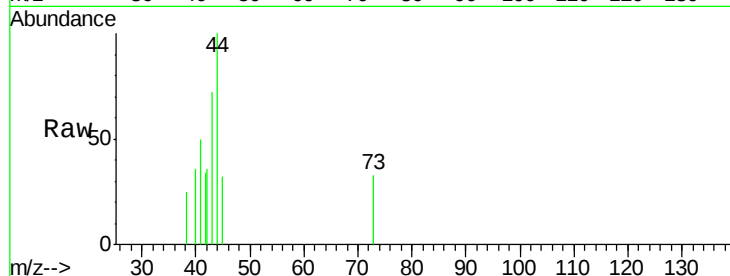
Ion Ratio Lower Upper

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

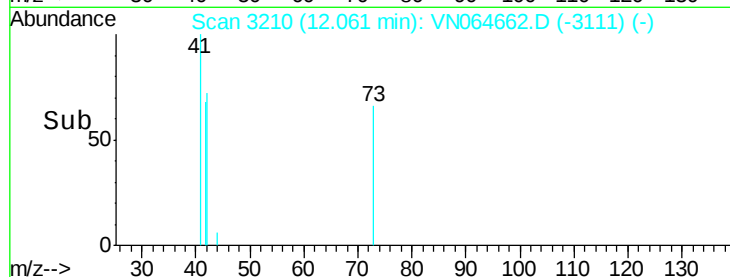
Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

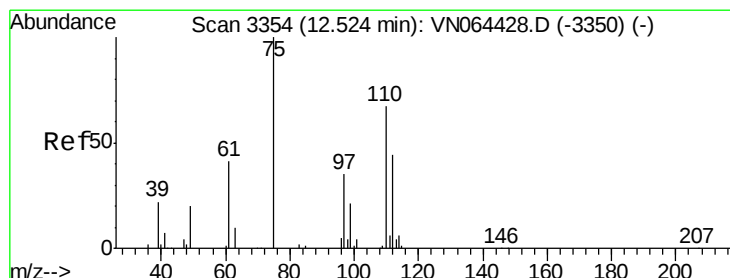
Ion 61.00 (60.70 to 61.70): VN0

12.06

12.08



Time-->



#76

1,2,3-Trichloropropane

Concen: 30.177 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064662.D

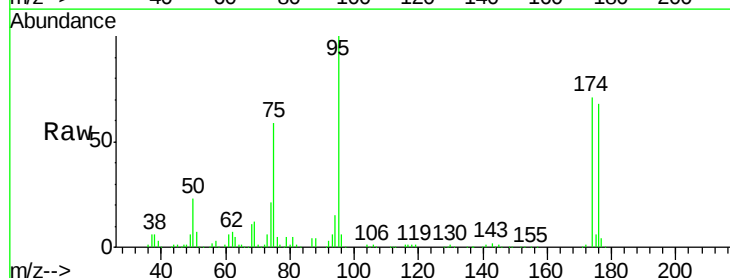
Acq: 16 Nov 2020 15:24

Tgt Ion: 75 Resp: 130573

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

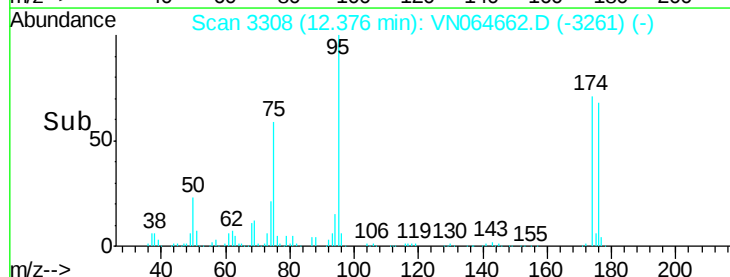


Abundance Ion 74.90 (74.60 to 75.60): VN0

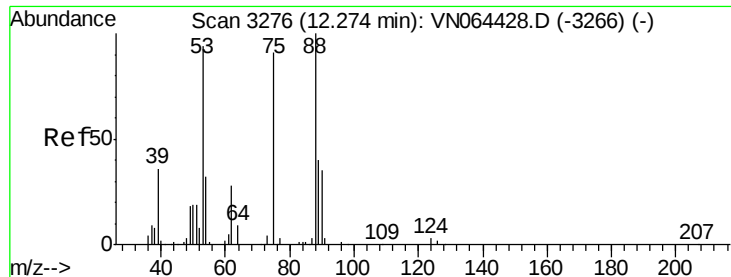
Ion 77.00 (76.70 to 77.70): VN0

12.38

12.45



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 84.258 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

MW-2

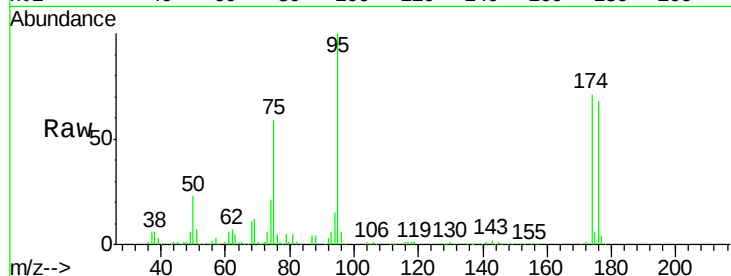
Tot Ion: 75 Resp: 130573

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

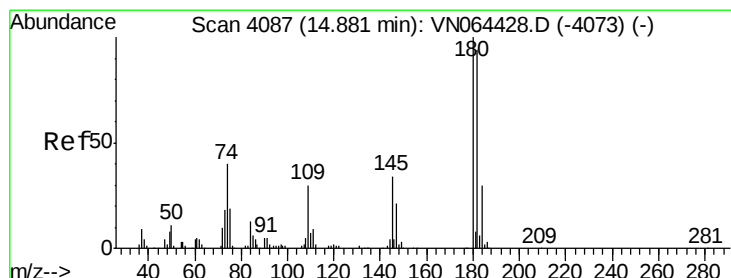
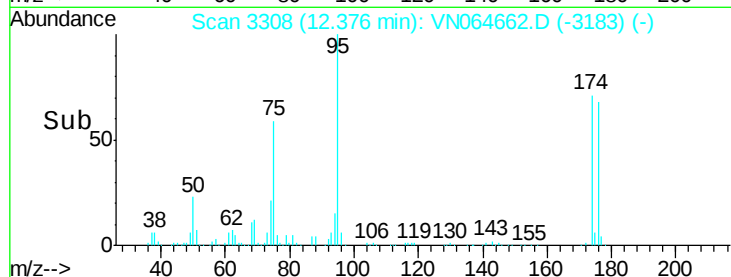
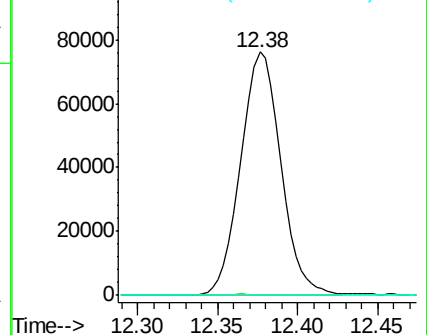
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): 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) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.676 ug/l

RT: 14.90 min Scan# 4093

Delta R.T. 0.02 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

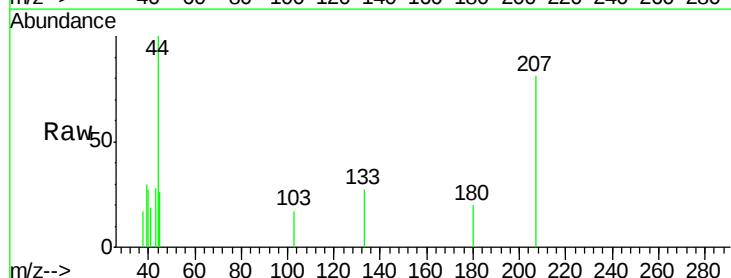
Tgt Ion: 180 Resp: 35

Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

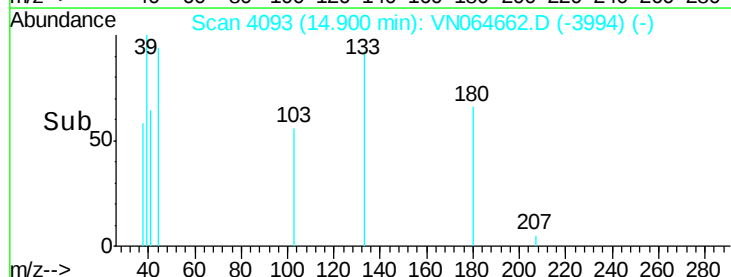
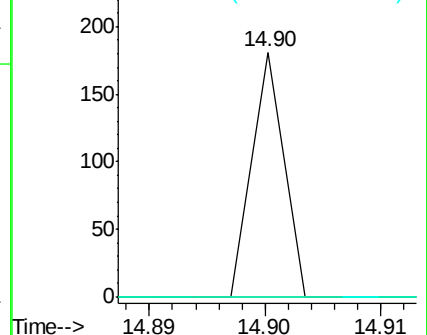
145 0.0 16.7 50.1#

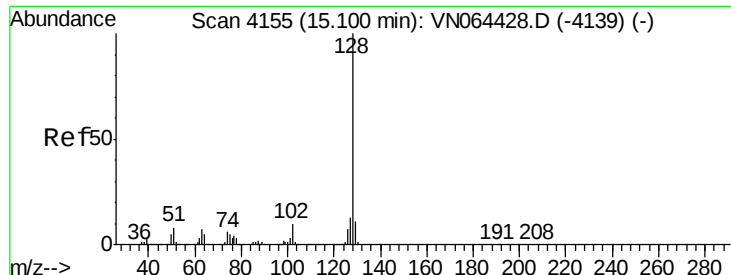


Abundance Ion 179.80 (179.50 to 180.50): VN064428.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN064428.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN064428.D (-4073) (-)





#95

Naphthalene

Concen: 3.626 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064662.D

Acq: 16 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

MW-2

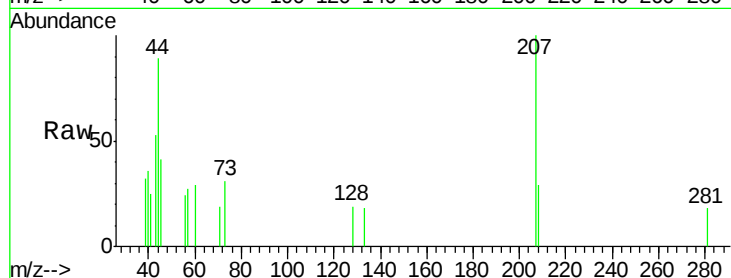
Tot Ion:128 Resp: 30

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

