

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064520.D
 Acq On : 10 Nov 2020 12:49
 Operator : JC/MD
 Sample : VN1110WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBL02

Quant Time: Nov 11 01:47:03 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	212410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	435556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	455197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159529	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	213064	57.59	ug/l	0.00
Spiked Amount			Recovery	=	115.18%	
35) Dibromofluoromethane	7.55	113	156989	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
50) Toluene-d8	10.06	98	561784	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.38	95	206004	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

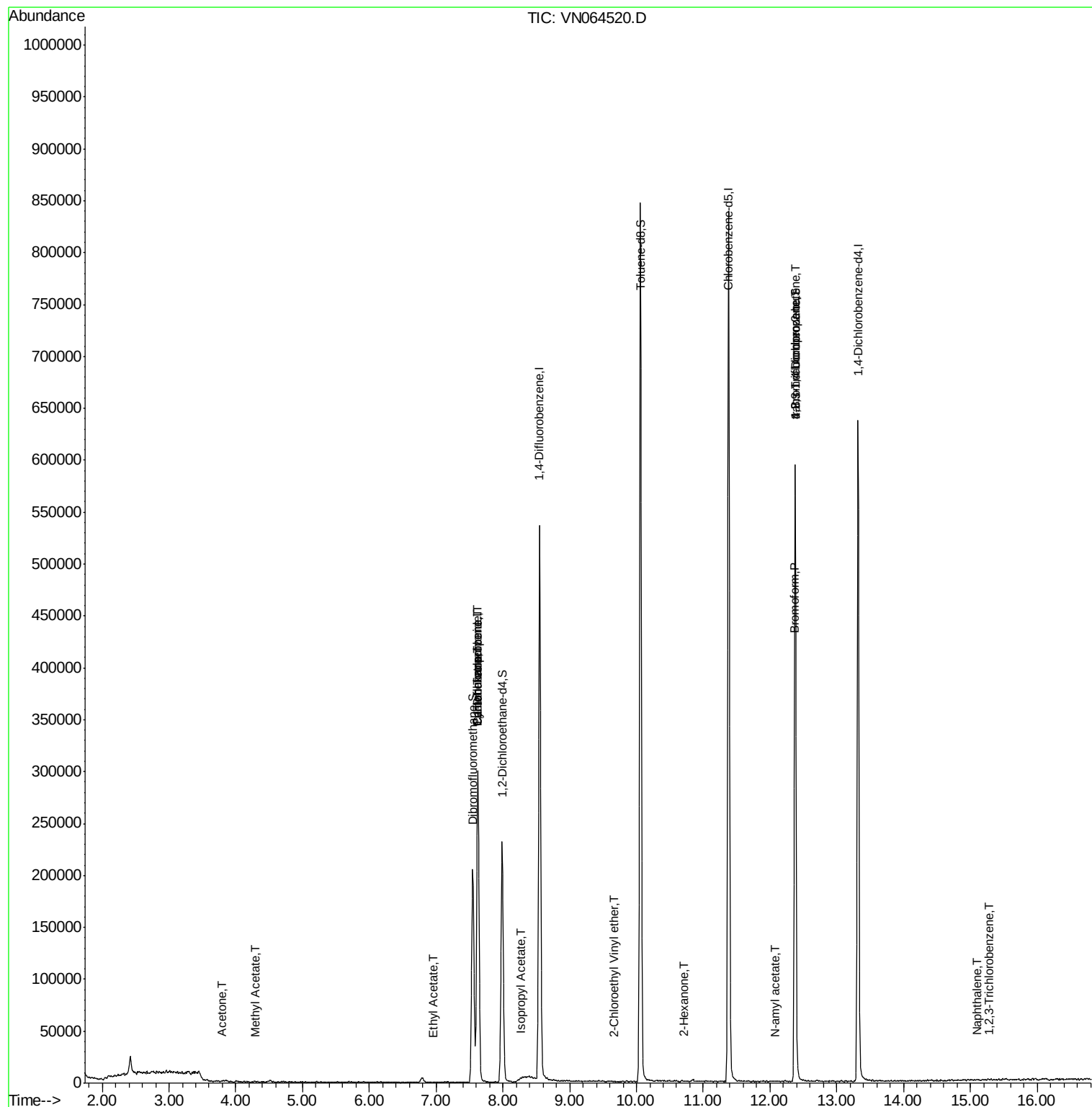
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	885	0.628	ug/l #	48
18) Methyl Acetate	4.29	43	722	0.261	ug/l #	55
31) Cyclohexane	7.63	56	6673	1.484	ug/l #	36
36) 1,1-Dichloropropene	7.63	75	21868	4.753	ug/l #	52
37) Ethyl Acetate	6.96	43	29	0.768	ug/l #	71
38) Carbon Tetrachloride	7.62	117	24600	5.002	ug/l #	18
43) Isopropyl Acetate	8.26	43	4039	0.542	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.66	63	62	21.561	ug/l #	51
59) 2-Hexanone	10.71	43	241	4.095	ug/l #	28
71) Bromoform	12.36	173	96	1.309	ug/l #	29
74) N-amyl acetate	12.07	43	123	1.234	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	113910	29.470	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	113910	82.284	ug/l #	8
95) Naphthalene	15.11	128	99	3.633	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	68	2.801	ug/l #	12

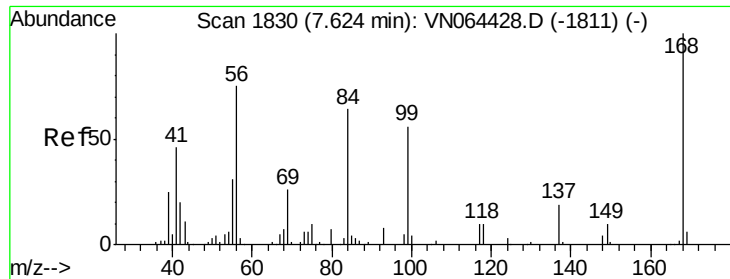
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

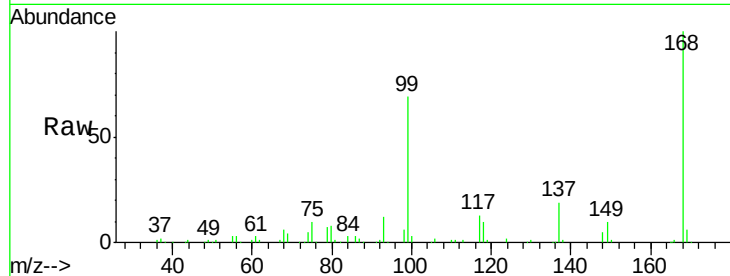
VN1110WBL02

Tot Ion:168 Resp: 212410

Ion Ratio Lower Upper

168 100

99 69.4 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064520.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064520.D (-1737) (-)

7.62

80000

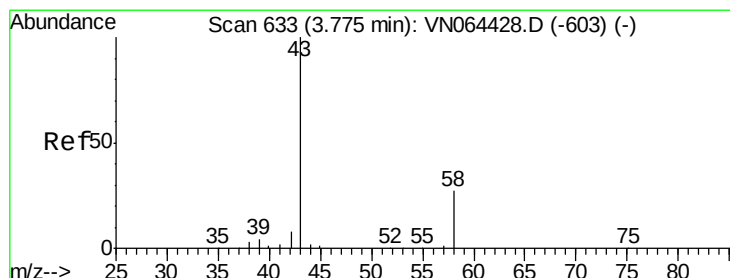
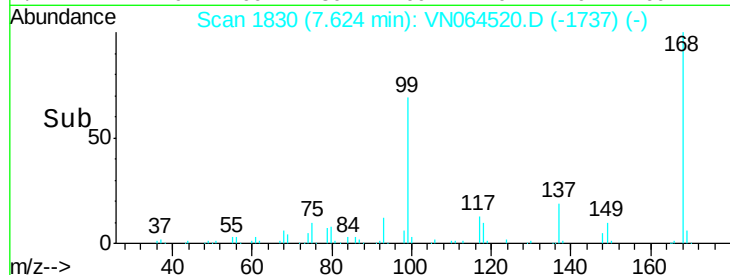
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 0.628 ug/l

RT: 3.79 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN064520.D

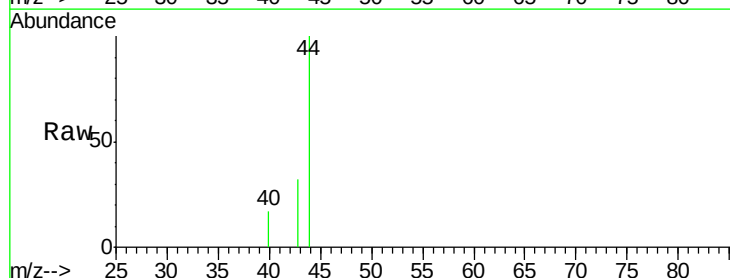
Acq: 10 Nov 2020 12:49

Tgt Ion: 43 Resp: 885

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VN064520.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN064520.D (-540) (-)

3.79

500

400

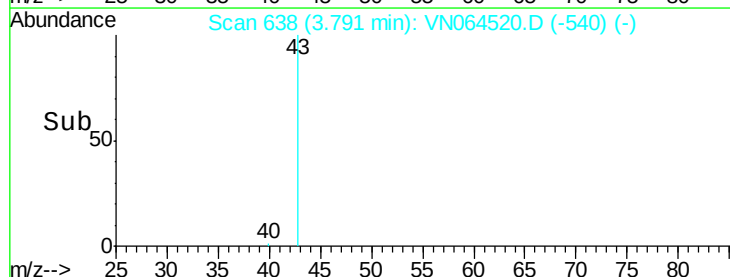
300

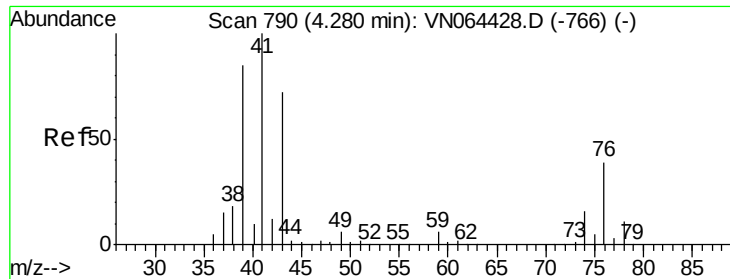
200

100

0

Time-->

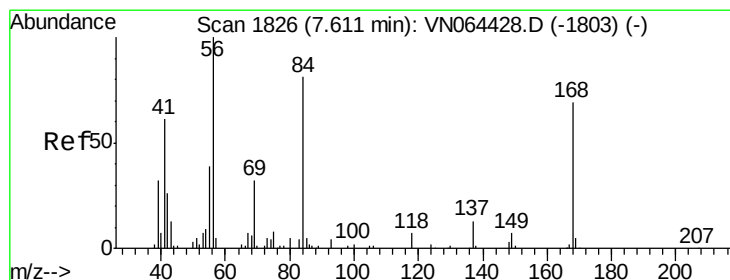
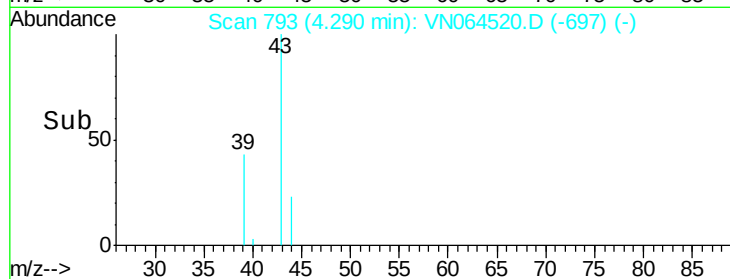
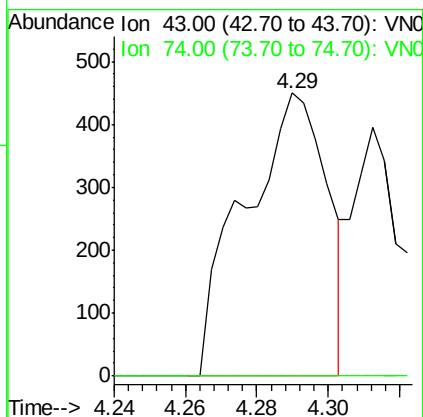
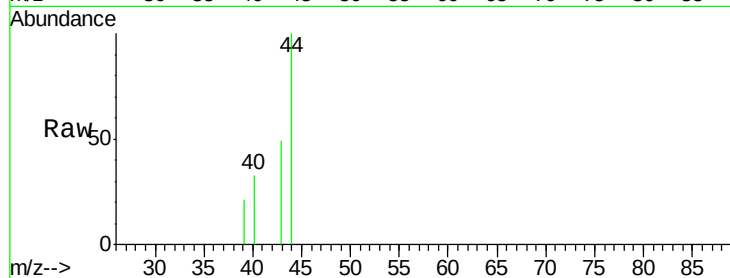




#18
Methyl Acetate
Concen: 0.261 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN064520.D
Acq: 10 Nov 2020 12:49

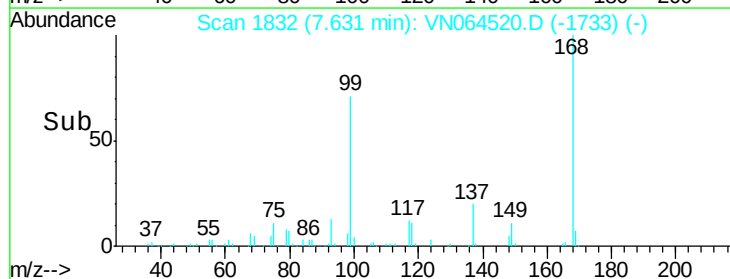
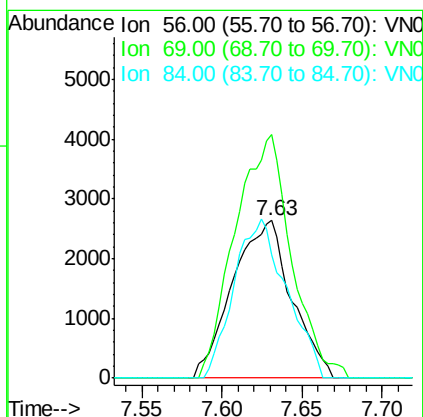
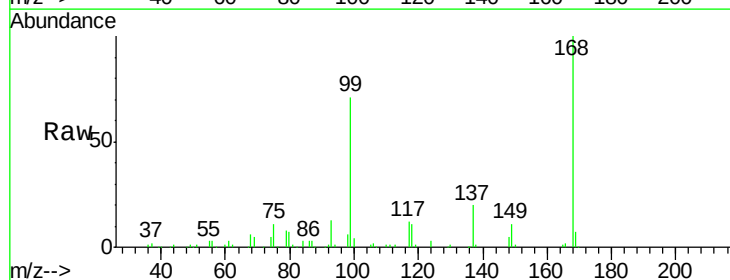
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL02

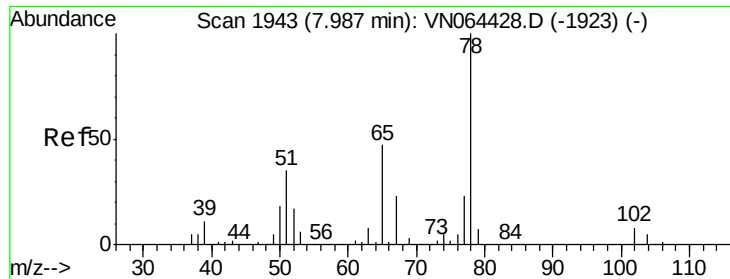
Tot Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#31
Cyclohexane
Concen: 1.484 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064520.D
Acq: 10 Nov 2020 12:49

Tgt Ion: 56 Resp: 6673
Ion Ratio Lower Upper
56 100
69 154.5 25.6 38.4#
84 78.0 63.0 94.6





#33

1,2-Dichloroethane-d4

Concen: 57.587 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

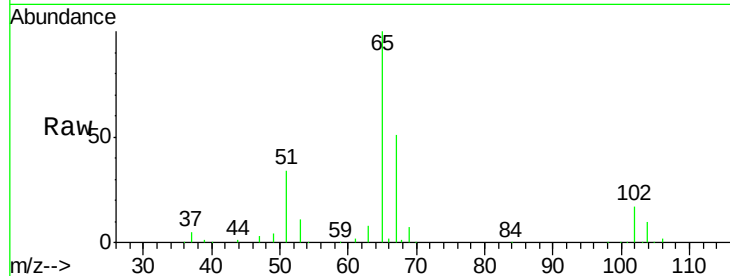
VN1110WBL02

Tot Ion: 65 Resp: 213064

Ion Ratio Lower Upper

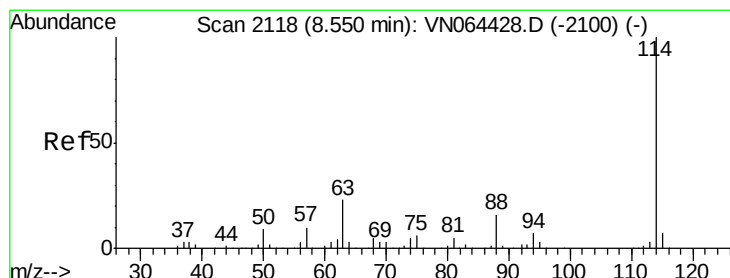
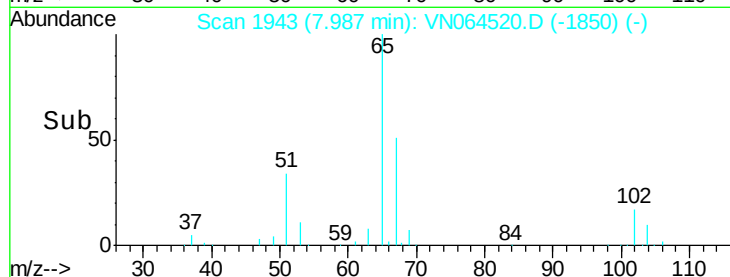
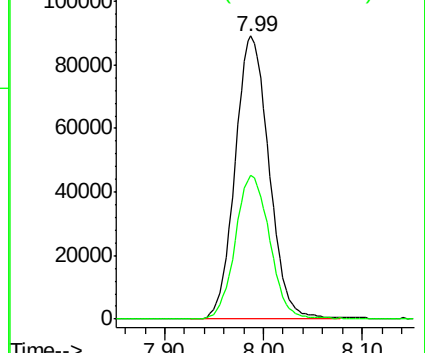
65 100

67 51.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064520.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064520.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

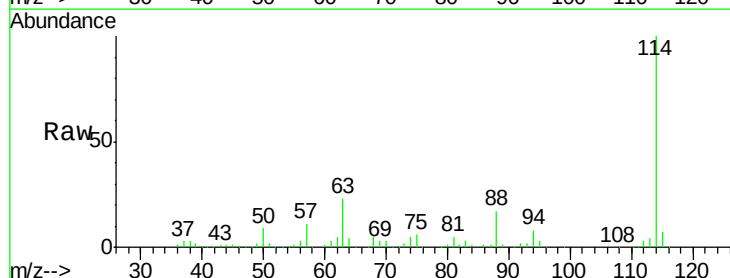
Tgt Ion: 114 Resp: 435556

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

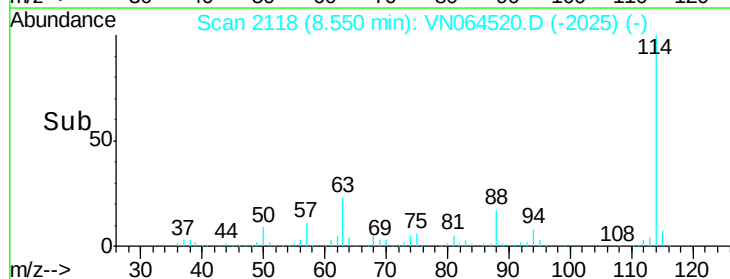
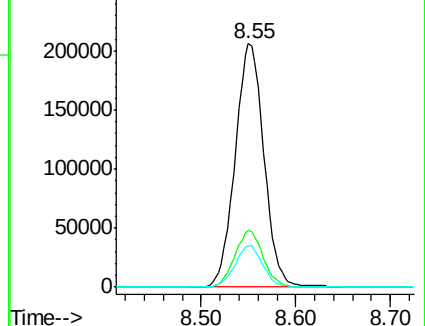
88 17.2 0.0 32.8

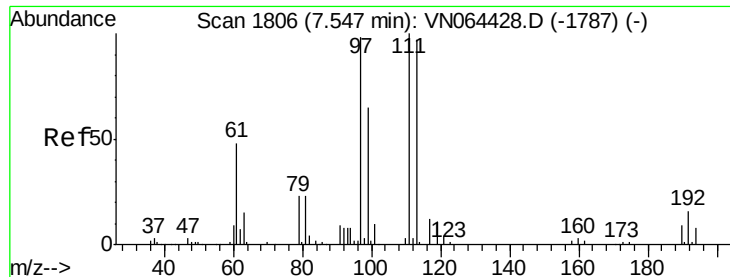


Abundance Ion 113.90 (113.60 to 114.60): VN064520.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064520.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064520.D (-2025) (-)





#35

Dibromofluoromethane

Concen: 52.938 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBL02

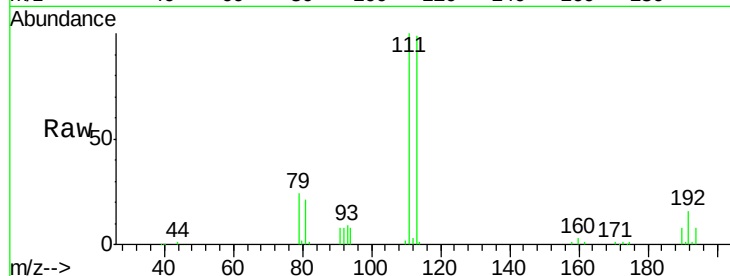
Tot Ion:113 Resp: 156989

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

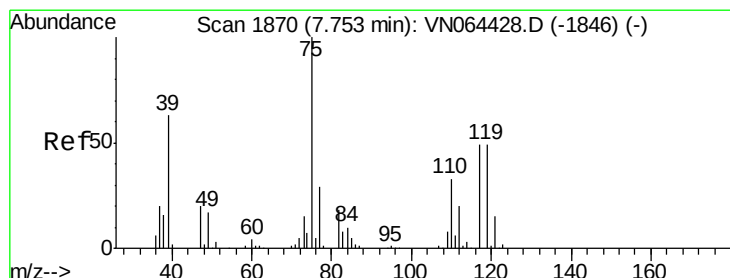
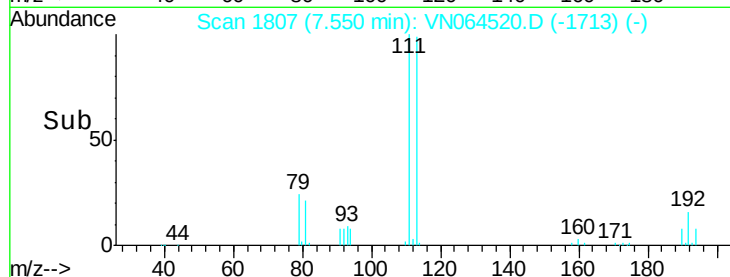
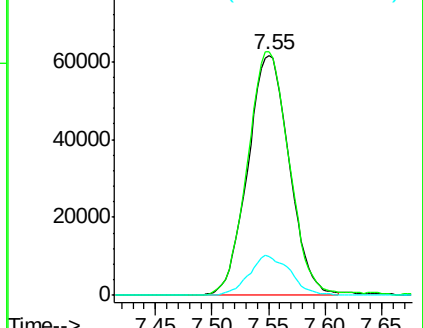
192 16.4 12.8 19.2



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: 4.753 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

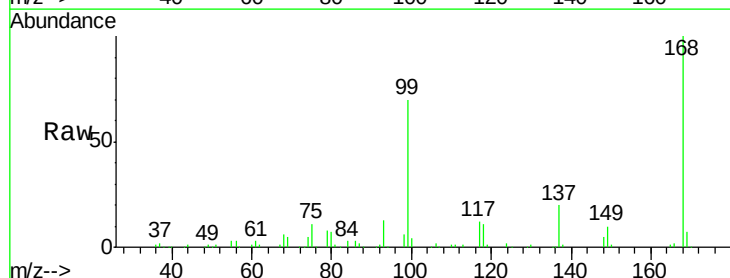
Tgt Ion: 75 Resp: 21868

Ion Ratio Lower Upper

75 100

110 9.6 16.0 48.0#

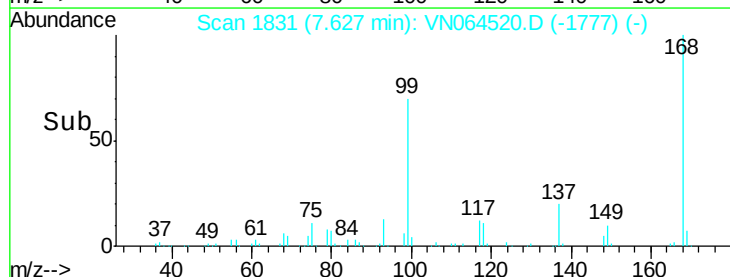
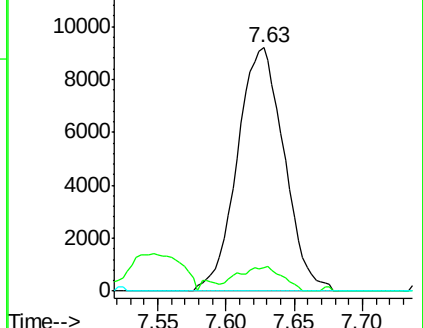
77 0.0 24.0 36.0#

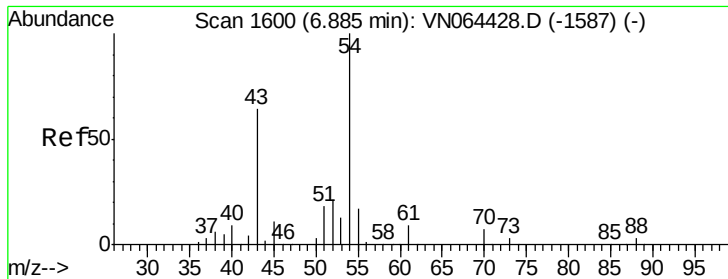


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

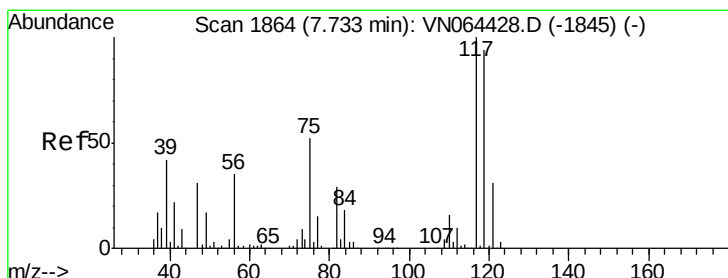
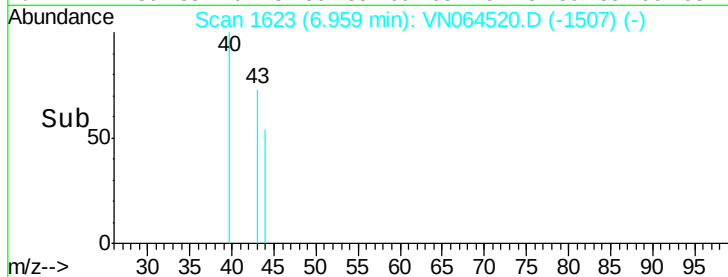
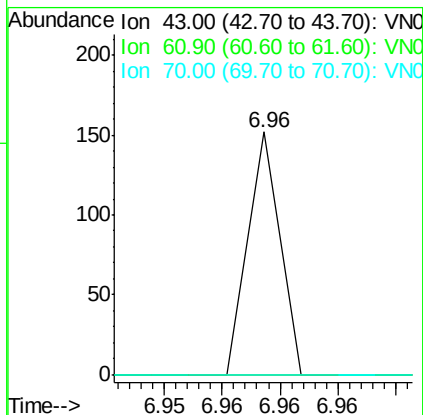
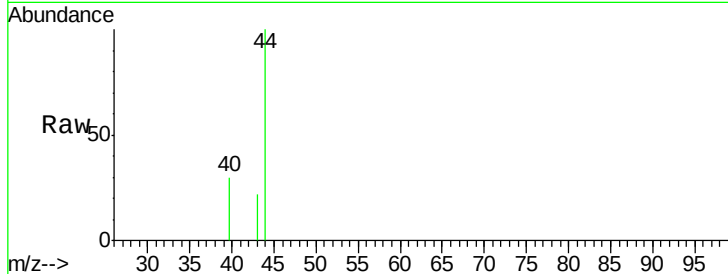




#37
Ethyl Acetate
Concen: 0.768 ug/l
RT: 6.96 min Scan# 1623
Delta R.T. 0.07 min
Lab File: VN064520.D
Acq: 10 Nov 2020 12:49

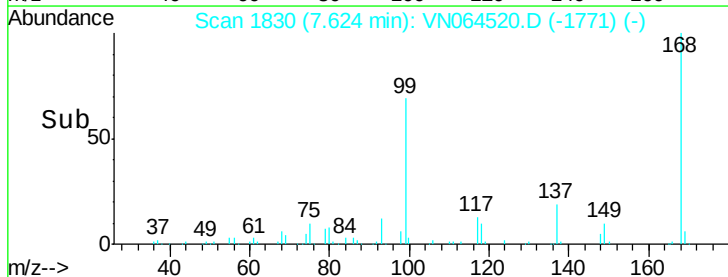
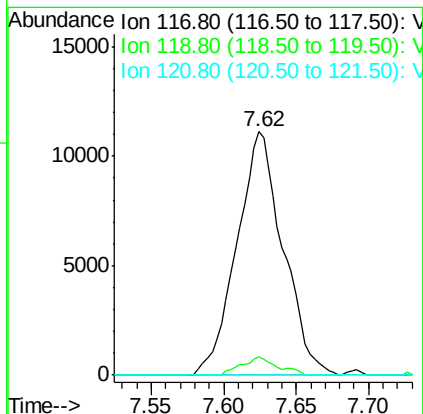
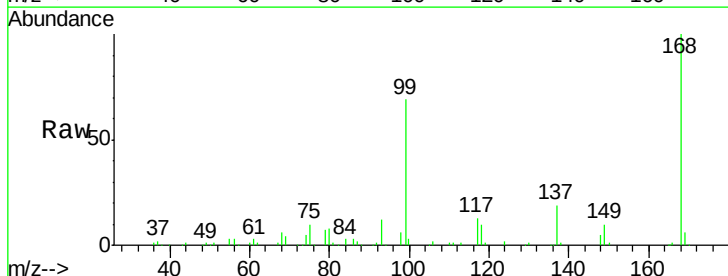
Instrument :
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ClientSampleId :
VN1110WBL02

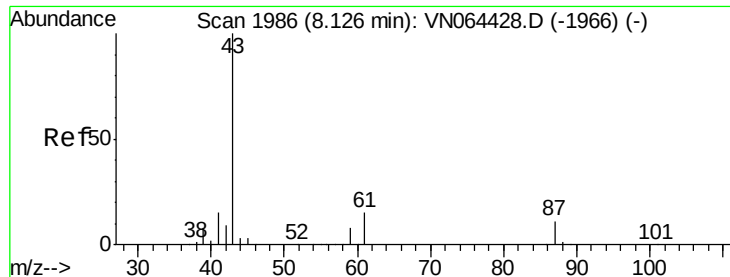
Tot Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.002 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN064520.D
Acq: 10 Nov 2020 12:49

Tgt Ion: 117 Resp: 24600
Ion Ratio Lower Upper
117 100
119 7.5 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 0.542 ug/l

RT: 8.26 min Scan# 2029

Delta R.T. 0.14 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBL02

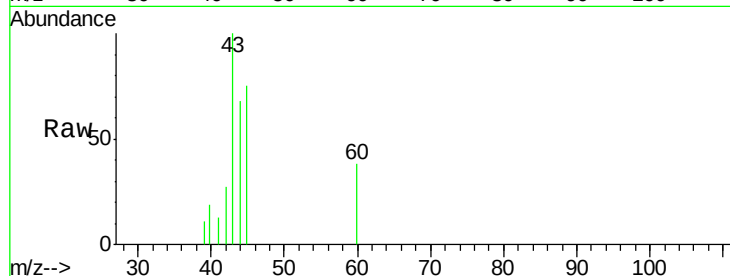
Tot Ion: 43 Resp: 4039

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

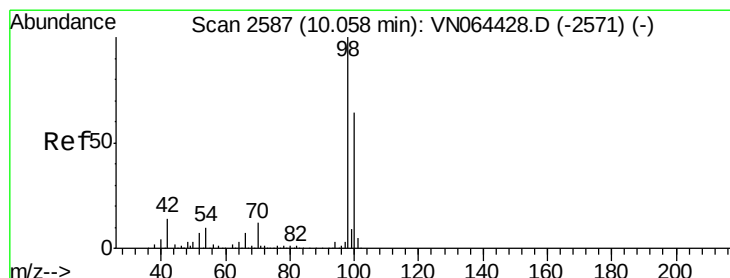
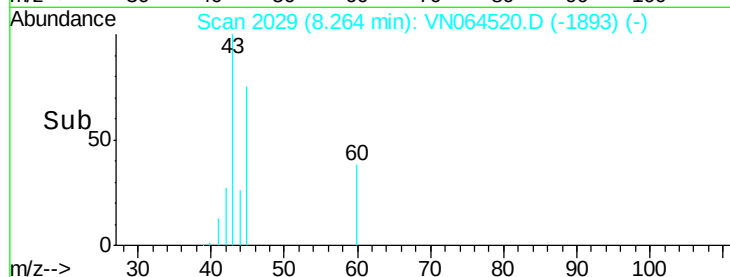
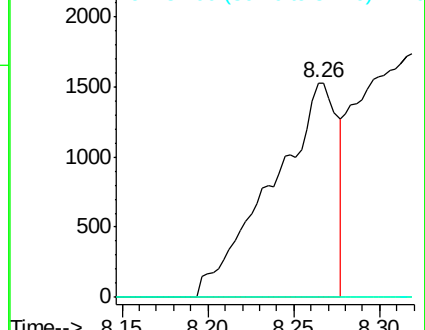
87 0.0 9.1 13.7#



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: 49.013 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064520.D

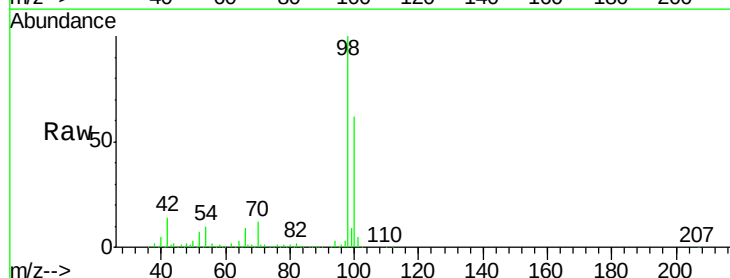
Acq: 10 Nov 2020 12:49

Tgt Ion: 98 Resp: 561784

Ion Ratio Lower Upper

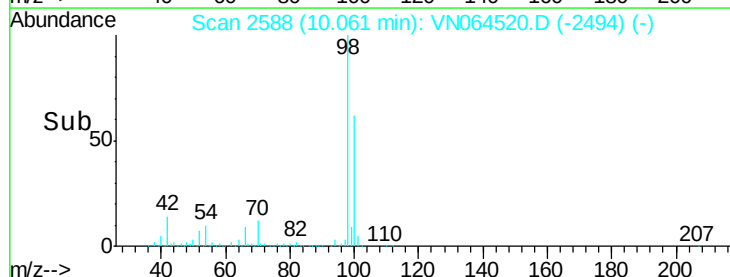
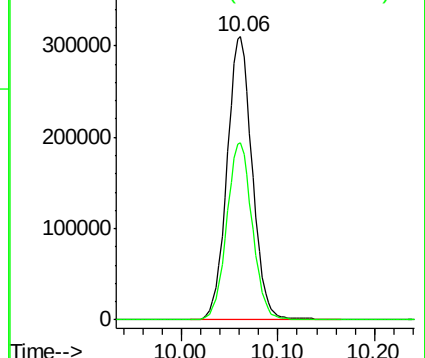
98 100

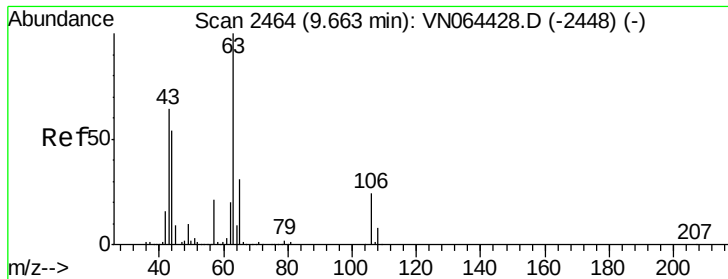
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 21.561 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

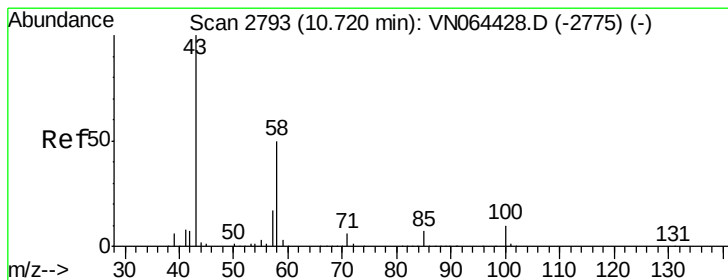
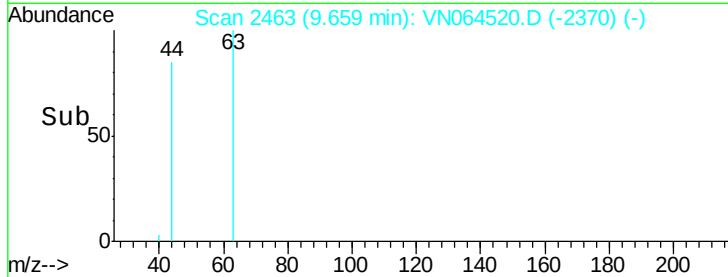
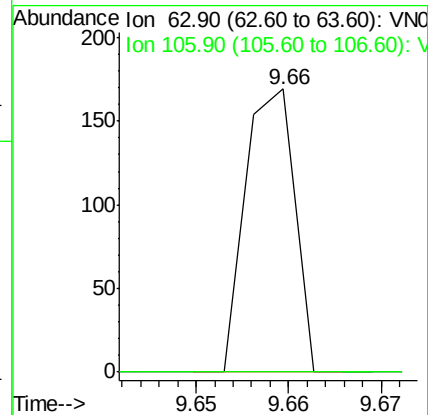
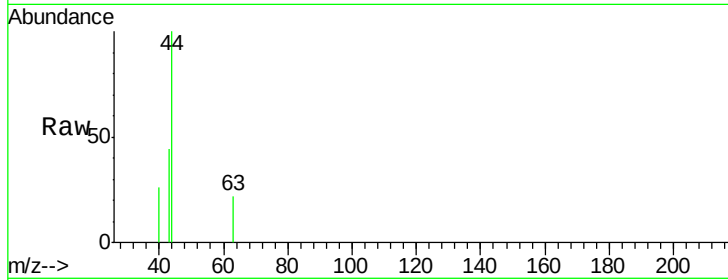
VN1110WBL02

Tot Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#



#59

2-Hexanone

Concen: 4.095 ug/l

RT: 10.71 min Scan# 2791

Delta R.T. -0.01 min

Lab File: VN064520.D

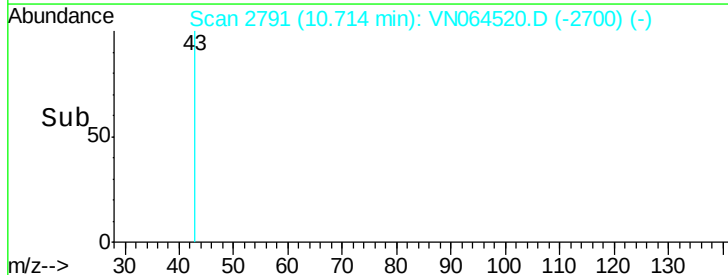
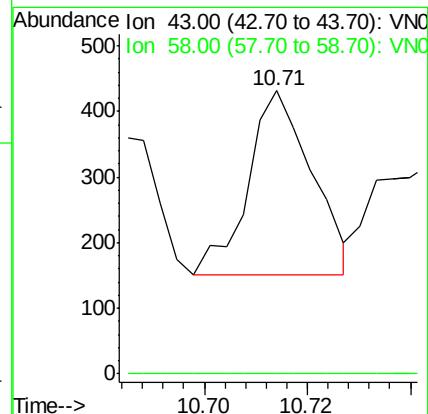
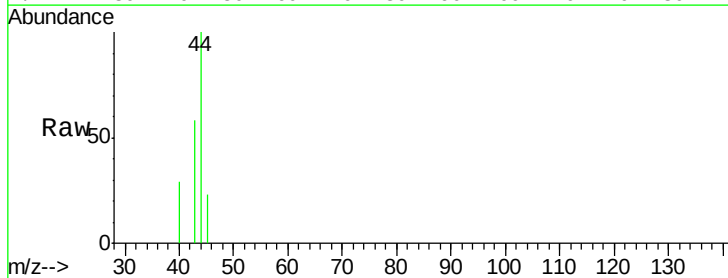
Acq: 10 Nov 2020 12:49

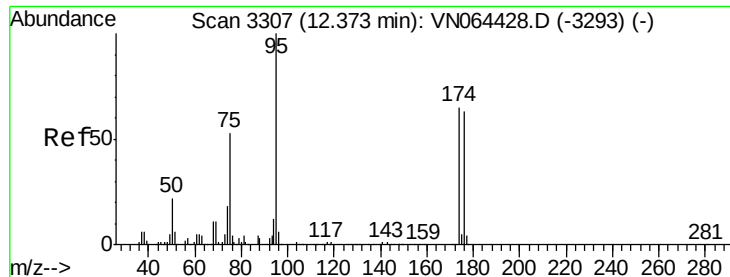
Tgt Ion: 43 Resp: 241

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#

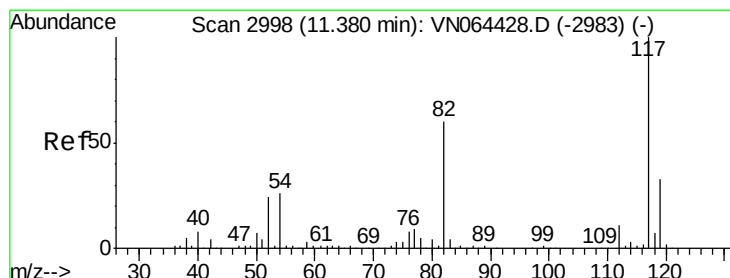
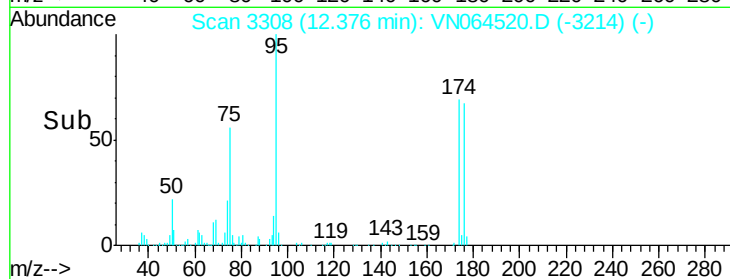
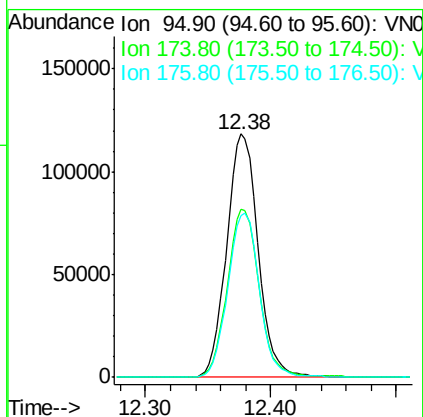
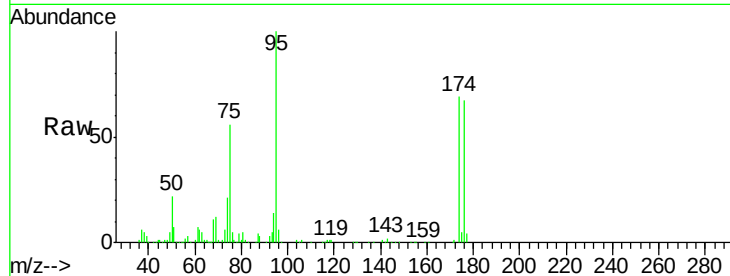




#62
4-Bromofluorobenzene
Concen: 47.524 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064520.D
Acq: 10 Nov 2020 12:49

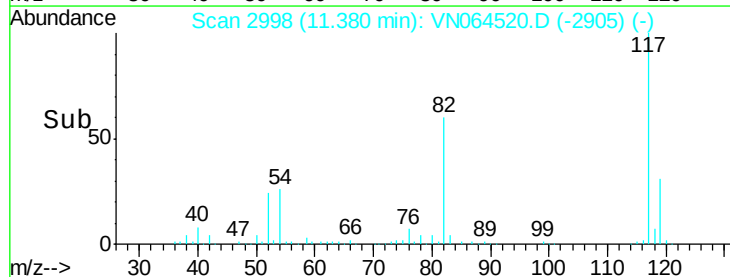
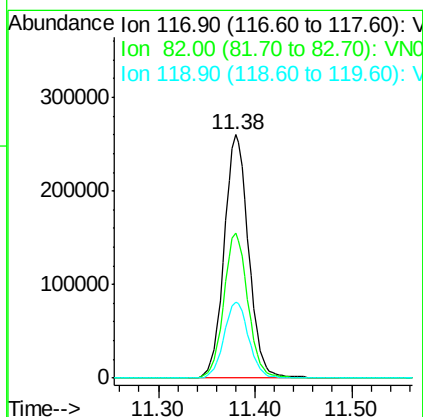
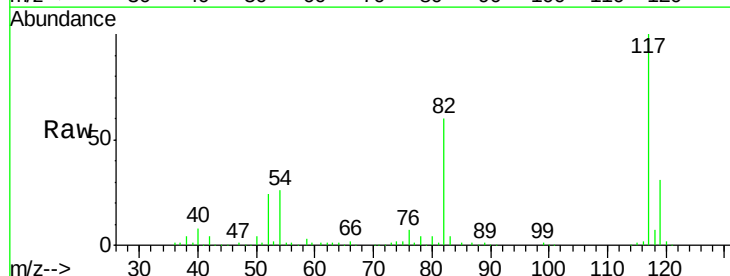
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL02

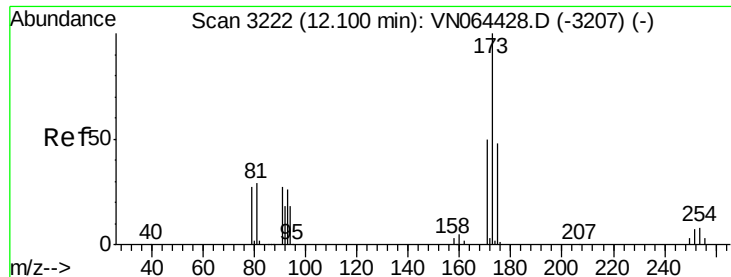
Tot Ion: 95 Resp: 206004
Ion Ratio Lower Upper
95 100
174 70.0 0.0 132.6
176 67.5 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064520.D
Acq: 10 Nov 2020 12:49

Tgt Ion: 117 Resp: 455197
Ion Ratio Lower Upper
117 100
82 59.6 48.1 72.1
119 31.1 26.2 39.4





#71

Bromoform

Concen: 1.309 ug/l

RT: 12.36 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBL02

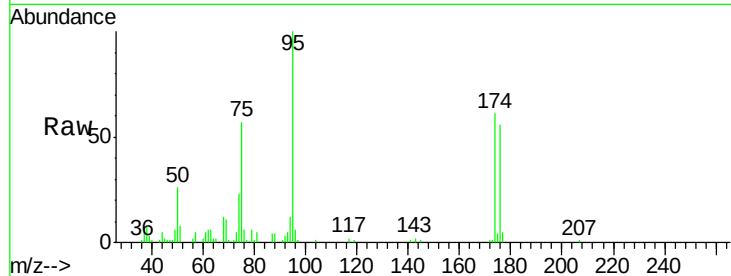
Tot Ion:173 Resp: 96

Ion Ratio Lower Upper

173 100

175 0.0 23.7 71.1#

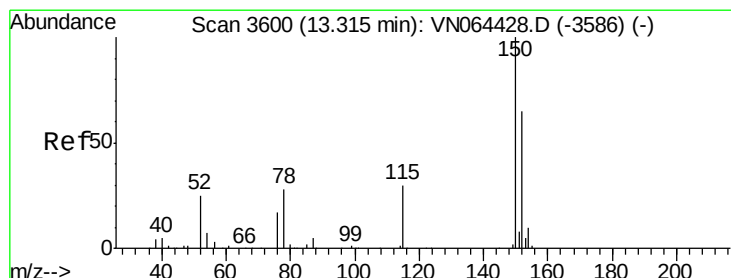
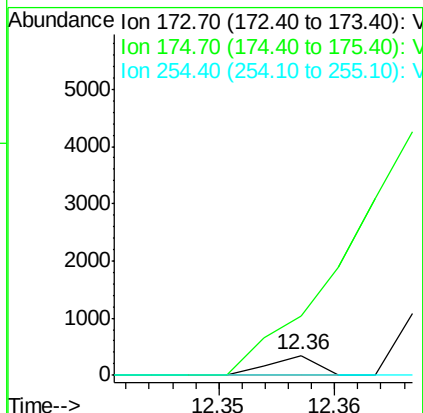
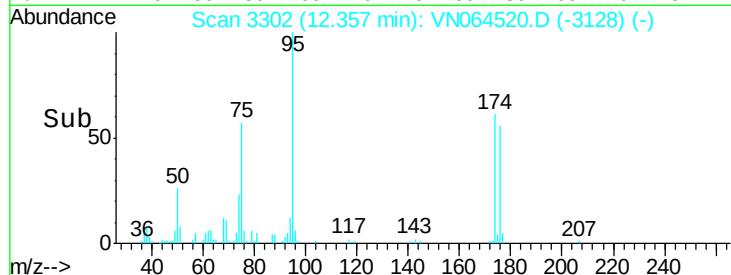
254 0.0 0.0 0.0



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: VN064520.D

Acq: 10 Nov 2020 12:49

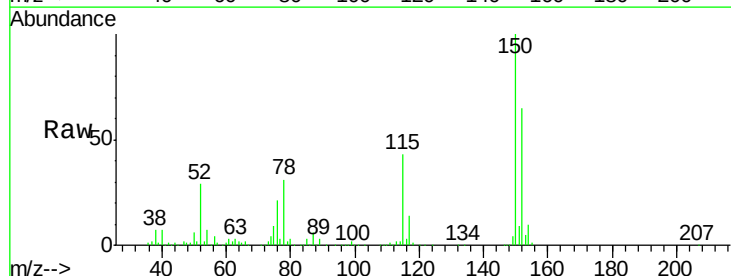
Tgt Ion:152 Resp: 159529

Ion Ratio Lower Upper

152 100

115 66.5 32.0 96.0

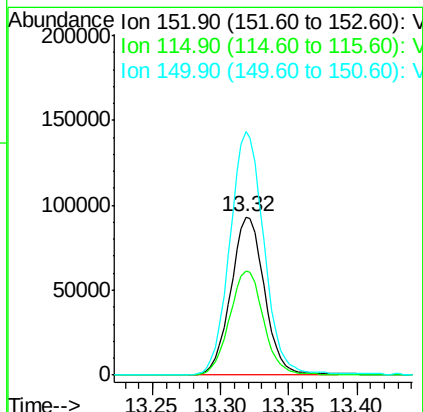
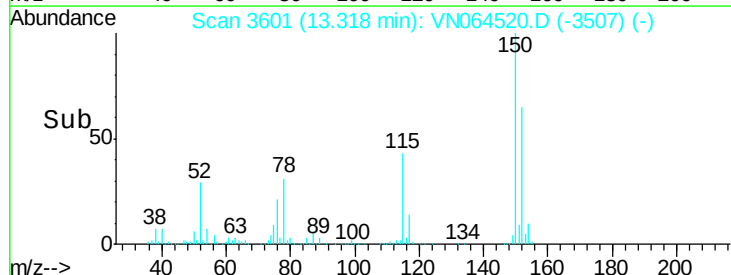
150 156.6 0.0 353.8

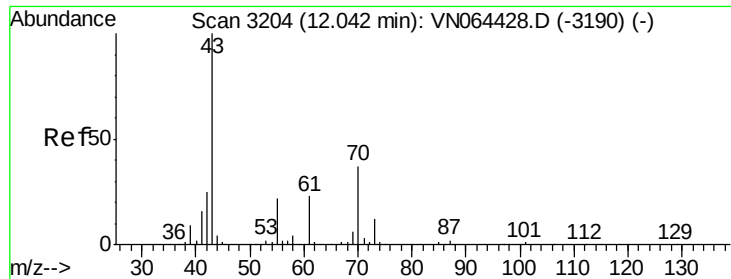


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.234 ug/l

RT: 12.07 min Scan# 3212

Delta R.T. 0.03 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN1110WBL02

Tot Ion: 43 Resp: 123

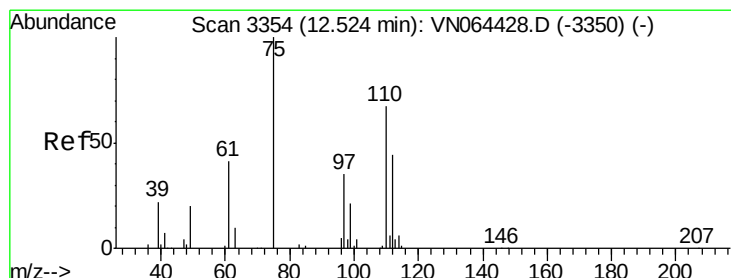
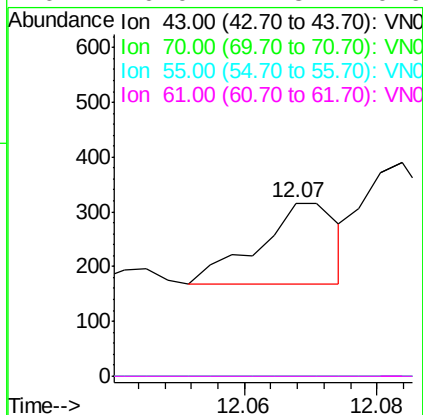
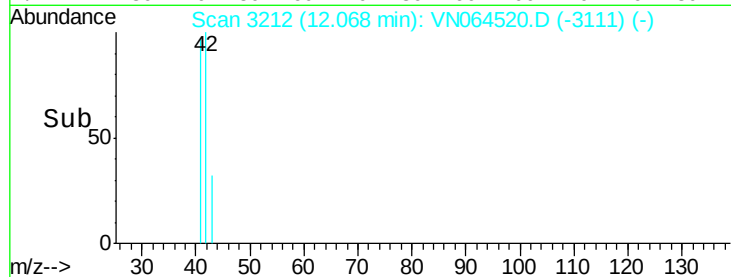
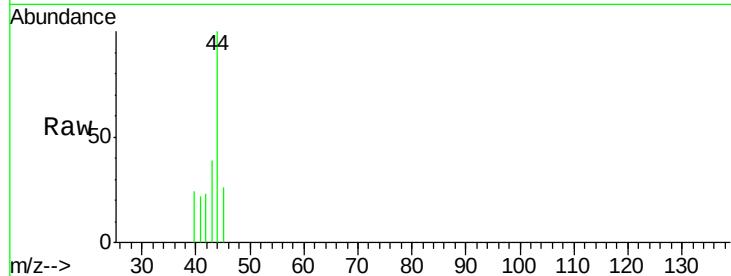
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#



#76

1,2,3-Trichloropropane

Concen: 29.470 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064520.D

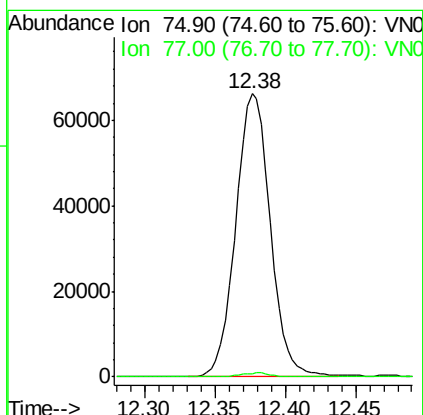
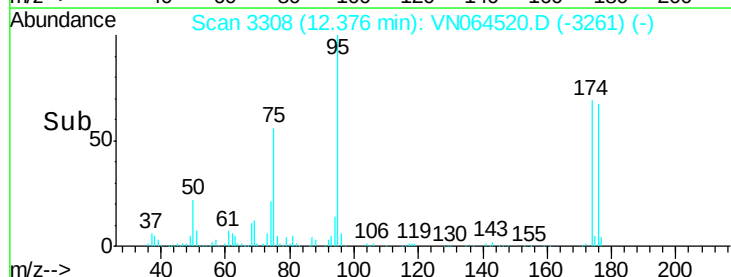
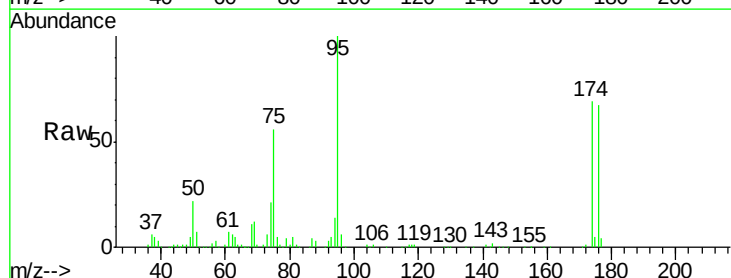
Acq: 10 Nov 2020 12:49

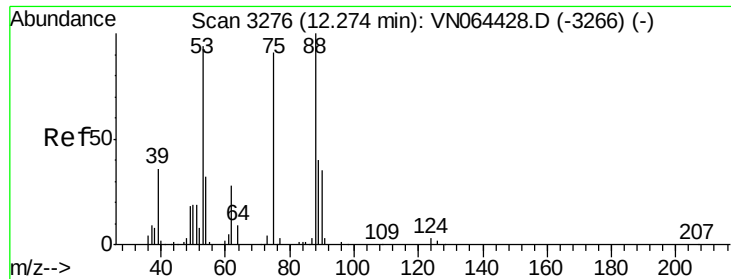
Tgt Ion: 75 Resp: 113910

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 82.284 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBL02

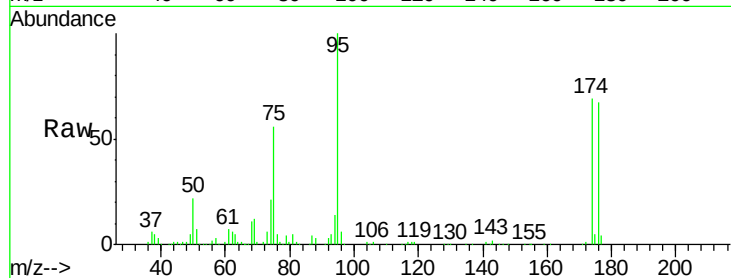
Tot Ion: 75 Resp: 113910

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

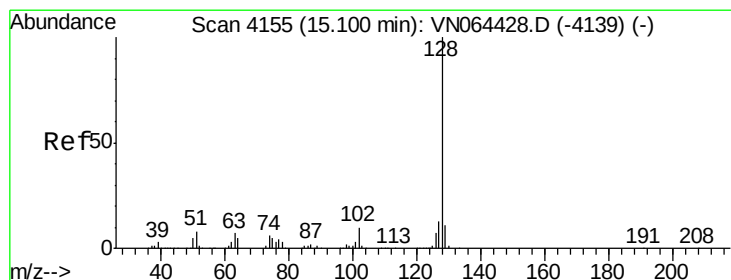
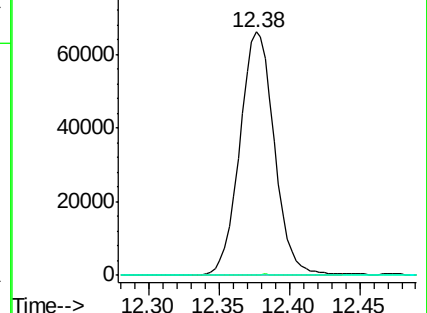
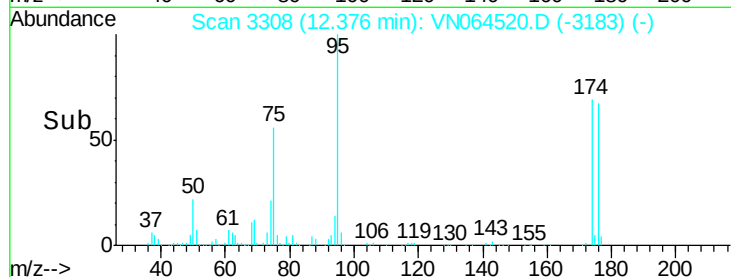
89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN064520.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064520.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064520.D (-3183) (-)



#95

Naphthalene

Concen: 3.633 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064520.D

Acq: 10 Nov 2020 12:49

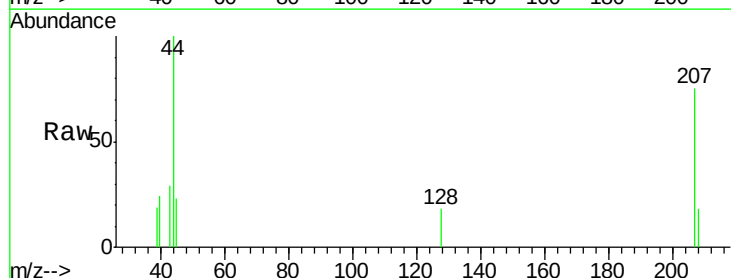
Tgt Ion: 128 Resp: 99

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

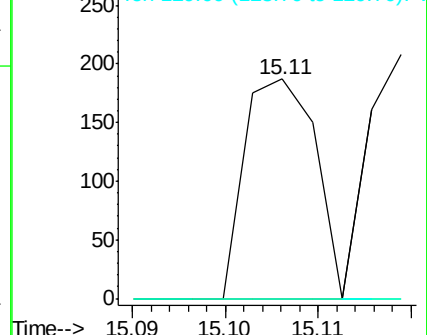
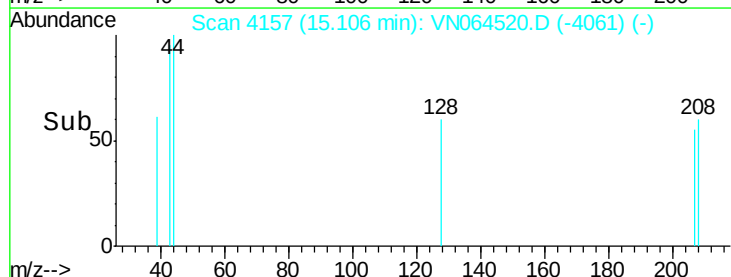
129 0.0 8.8 13.2#

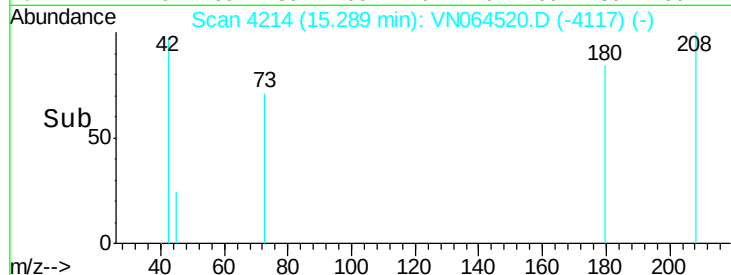
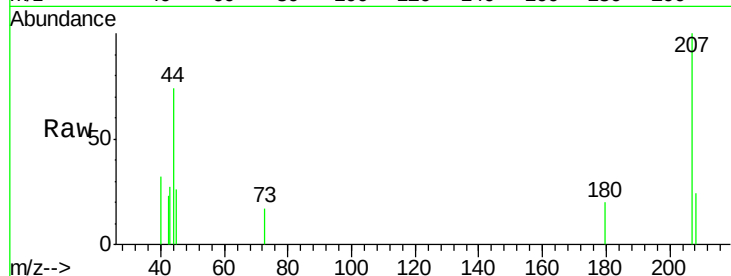
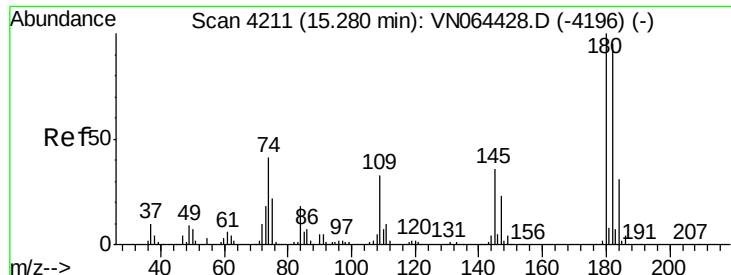


Abundance Ion 128.00 (127.70 to 128.70): VN064520.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN064520.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN064520.D (-4061) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 2.801 ug/l
 RT: 15.29 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN064520.D
 Acq: 10 Nov 2020 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBL02

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

