

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062863.D
 Acq On : 12 Aug 2020 17:23
 Operator : JC/MD
 Sample : L3671-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-58-60

Quant Time: Aug 13 05:23:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	117505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	205989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	207587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79846	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	103304	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
35) Dibromofluoromethane	7.55	113	73942	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
50) Toluene-d8	10.06	98	267387	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.38	95	98622	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

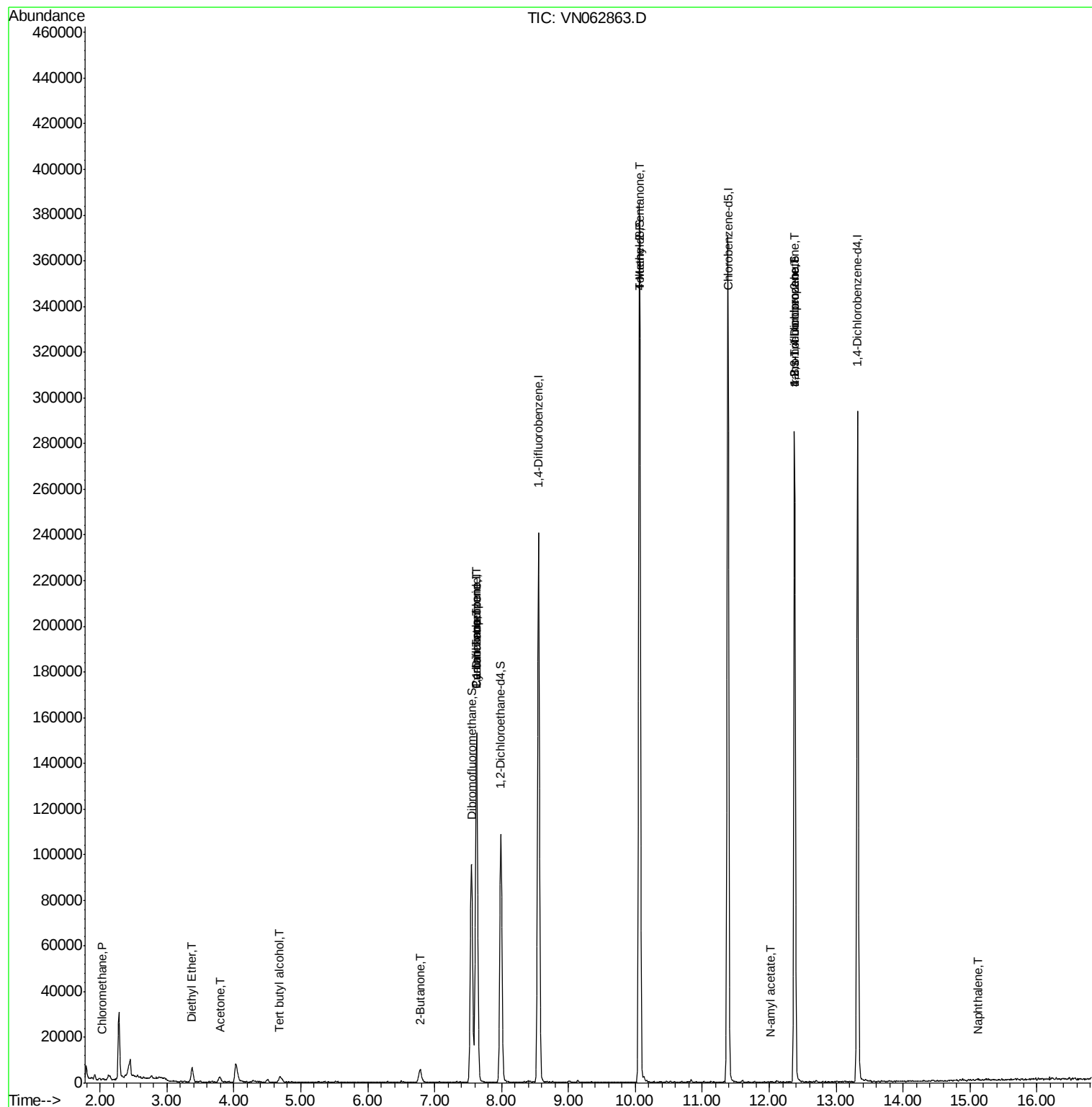
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	537	0.338	ug/l #	43
8) Diethyl Ether	3.38	74	3381	4.447	ug/l	95
11) Tert butyl alcohol	4.68	59	1566	4.917	ug/l #	72
16) Acetone	3.79	43	4030	5.740	ug/l	91
17) Carbon Disulfide	4.00	76	32	Below Cal	#	74
18) Methyl Acetate	4.28	43	530	Below Cal	#	52
20) Methylene Chloride	4.50	84	611	Below Cal	#	65
25) 2-Butanone	6.80	43	341	0.343	ug/l #	49
31) Cyclohexane	7.63	56	2836	1.204	ug/l #	2
36) 1,1-Dichloropropene	7.63	75	10498	5.234	ug/l #	51
38) Carbon Tetrachloride	7.62	117	12961	5.464	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	1327	0.587	ug/l #	1
74) N-amyl acetate	12.02	43	506	0.208	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	54064	25.107	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54064	76.644	ug/l #	10
95) Naphthalene	15.10	128	265	3.775	ug/l #	68

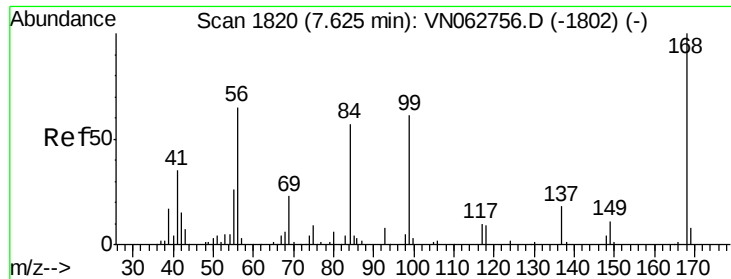
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

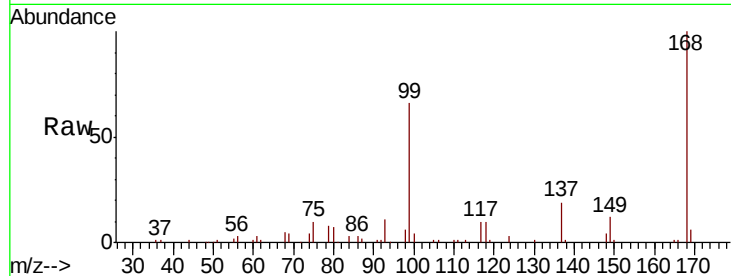
BP-VPB181-GW-58-60

Tot Ion:168 Resp: 117505

Ion Ratio Lower Upper

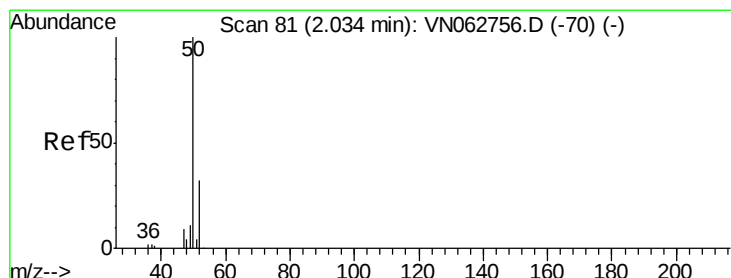
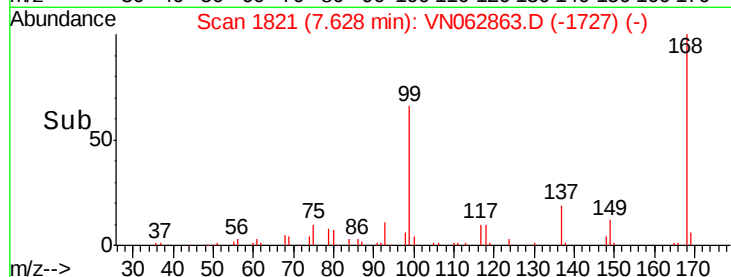
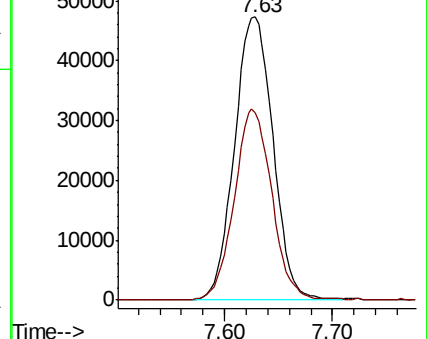
168 100

99 65.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.338 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062863.D

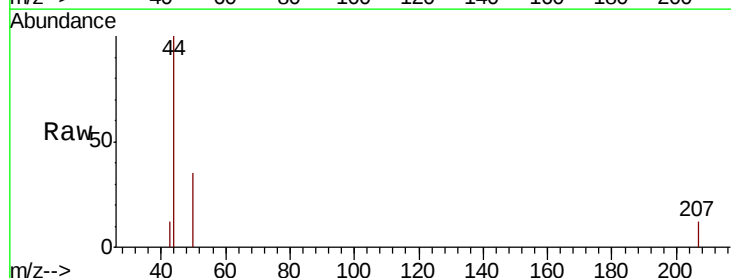
Acq: 12 Aug 2020 17:23

Tgt Ion: 50 Resp: 537

Ion Ratio Lower Upper

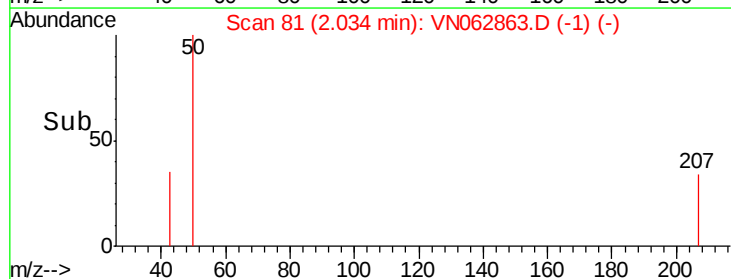
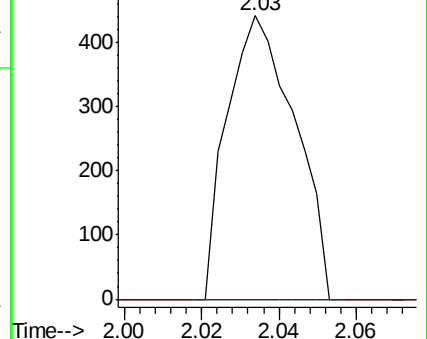
50 100

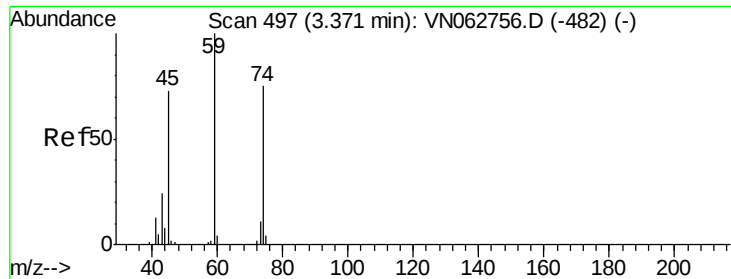
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#8

Diethyl Ether

Concen: 4.447 ug/l

RT: 3.38 min Scan# 499

Delta R.T. 0.01 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

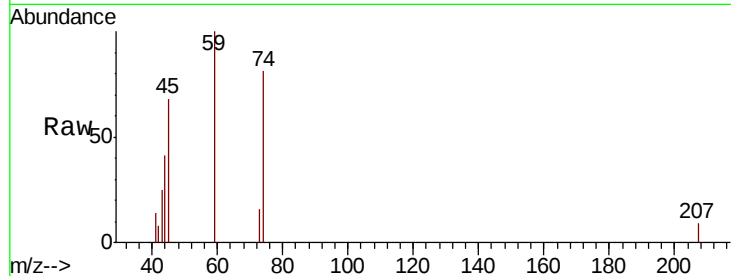
BP-VPB181-GW-58-60

Tot Ion: 74 Resp: 3381

Ion Ratio Lower Upper

74 100

45 92.6 48.7 146.1



Abundance Ion 74.00 (73.70 to 74.70): VN062756.D (-482) (-)

Ion 45.00 (44.70 to 45.70): VN062756.D (-482) (-)

3.38

1500

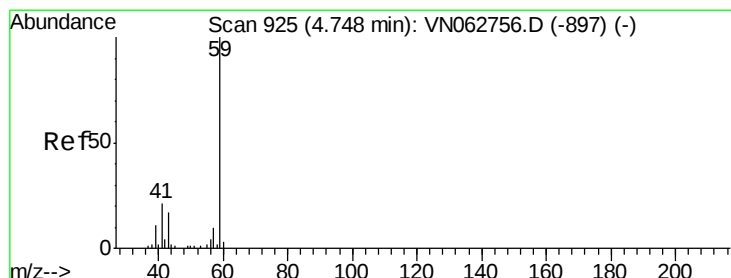
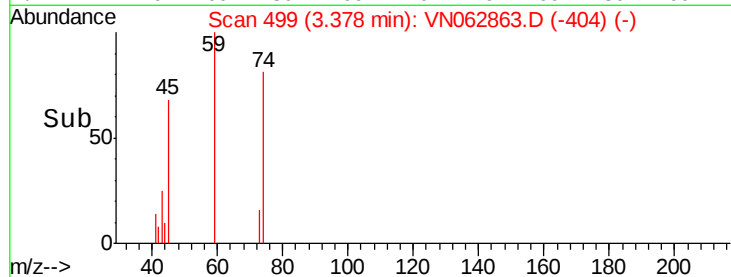
1000

500

0

3.35 3.40

Time-->



#11

Tert butyl alcohol

Concen: 4.917 ug/l

RT: 4.68 min Scan# 905

Delta R.T. -0.06 min

Lab File: VN062863.D

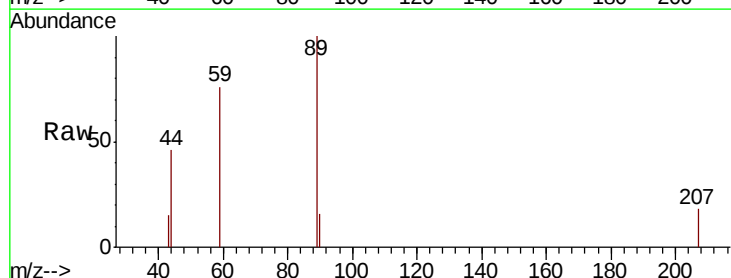
Acq: 12 Aug 2020 17:23

Tgt Ion: 59 Resp: 1566

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN062756.D (-897) (-)

Ion 57.00 (56.70 to 57.70): VN062756.D (-897) (-)

4.68

800

600

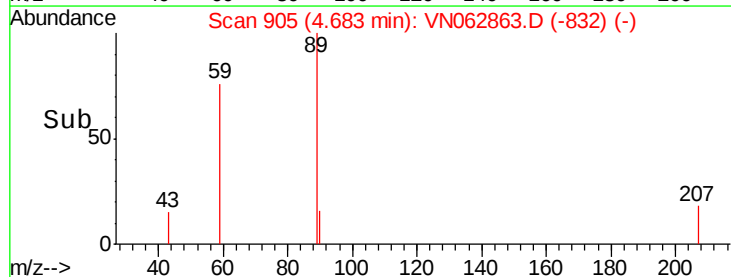
400

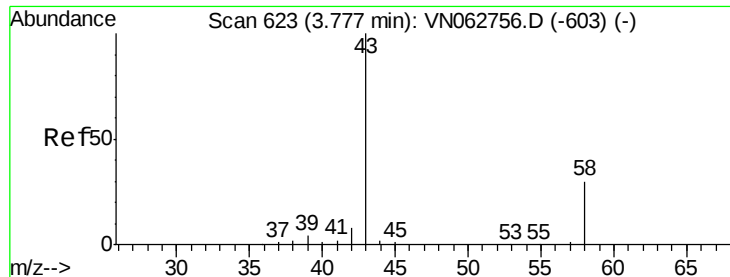
200

0

4.64 4.66 4.68 4.70 4.72

Time-->





#16

Acetone

Concen: 5.740 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

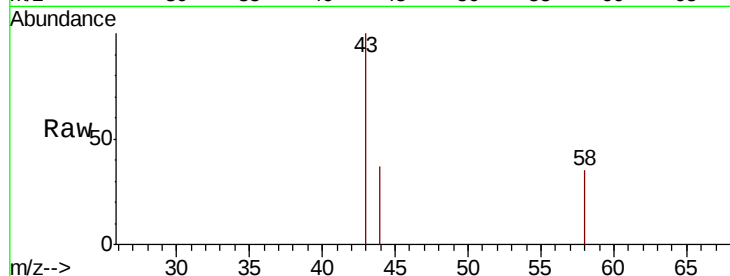
BP-VPB181-GW-58-60

Tot Ion: 43 Resp: 4030

Ion Ratio Lower Upper

43 100

58 34.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062863.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062863.D (-530) (-)

3.79

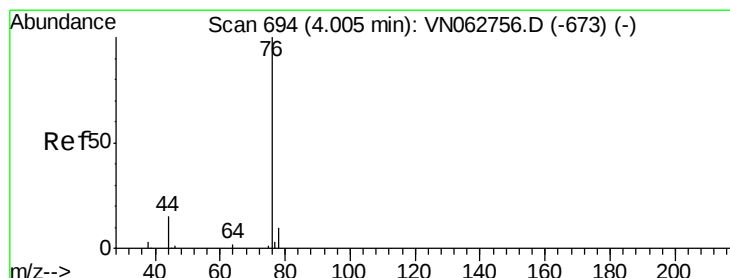
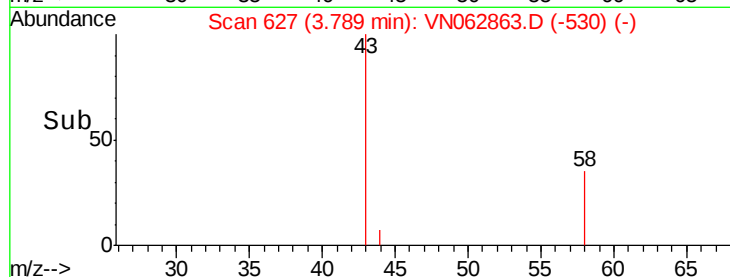
1500

1000

500

0

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062863.D

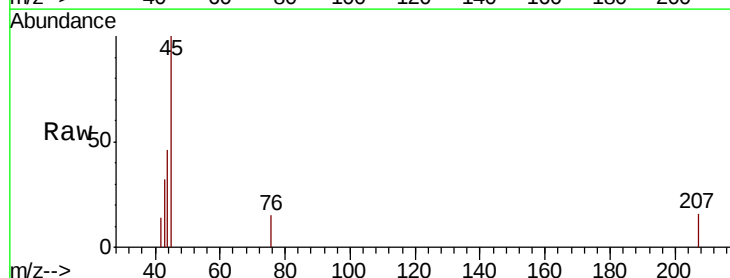
Acq: 12 Aug 2020 17:23

Tgt Ion: 76 Resp: 32

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062863.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062863.D (-600) (-)

4.00

200

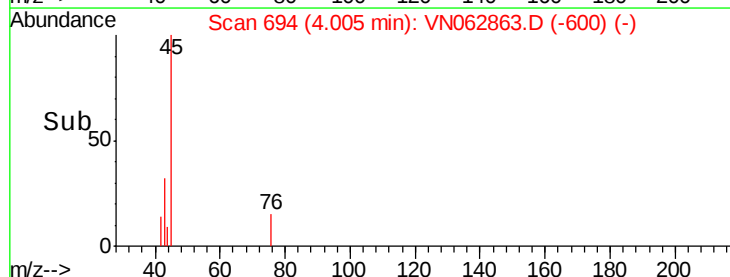
150

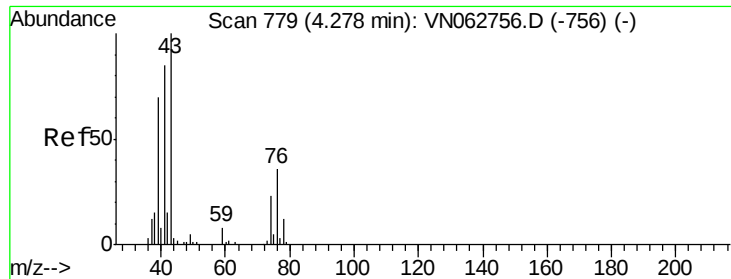
100

50

0

Time-->

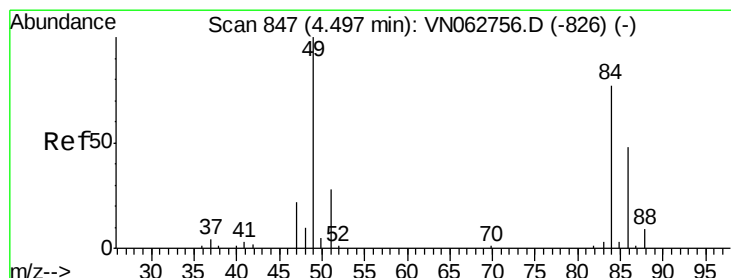
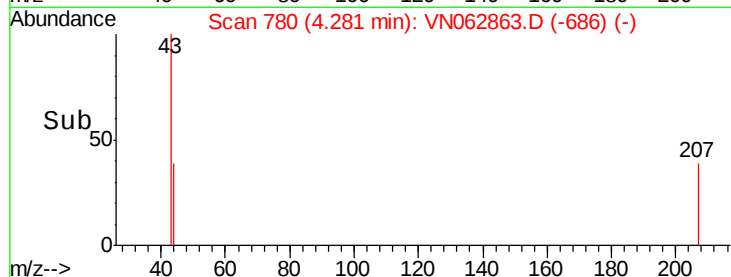
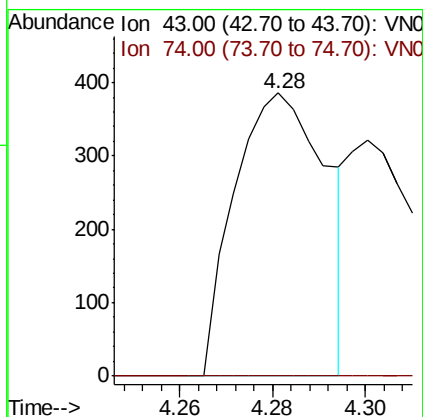
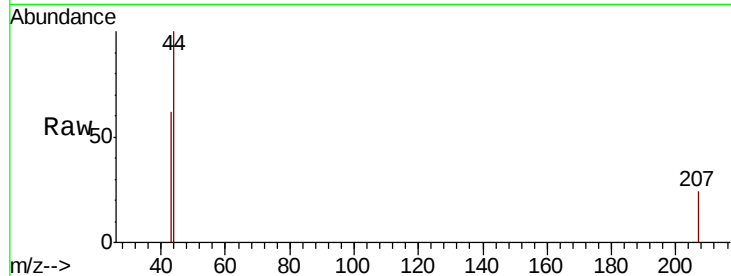




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062863.D
Acq: 12 Aug 2020 17:23

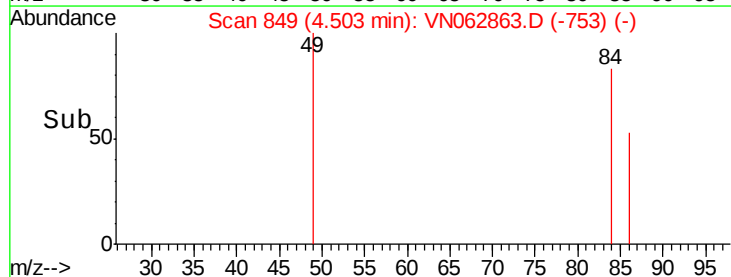
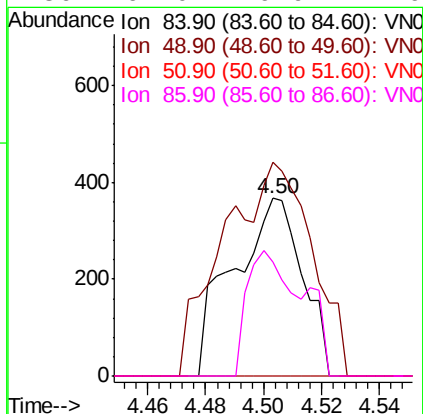
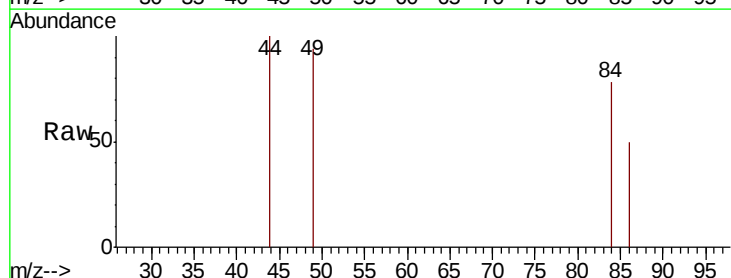
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-58-60

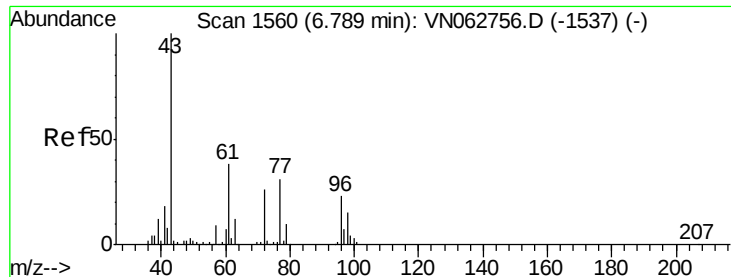
Tot Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062863.D
Acq: 12 Aug 2020 17:23

Tgt Ion: 84 Resp: 611
Ion Ratio Lower Upper
84 100
49 78.7 103.4 155.2#
51 0.0 29.3 43.9#
86 64.0 49.9 74.9

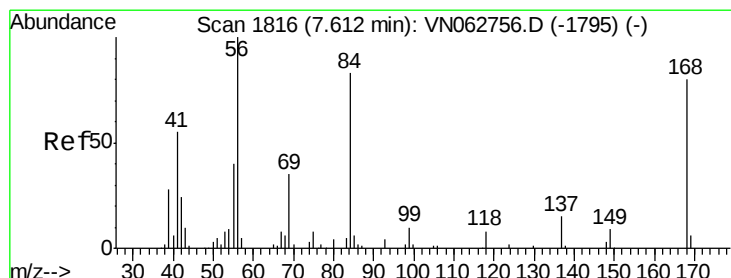
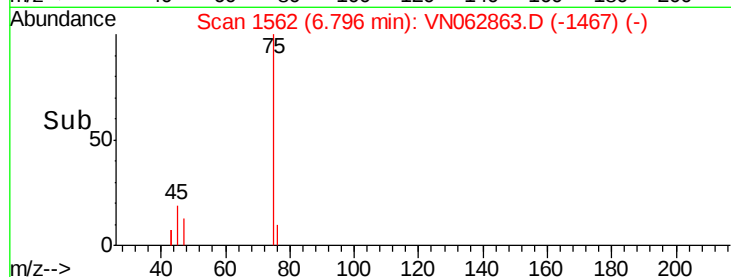
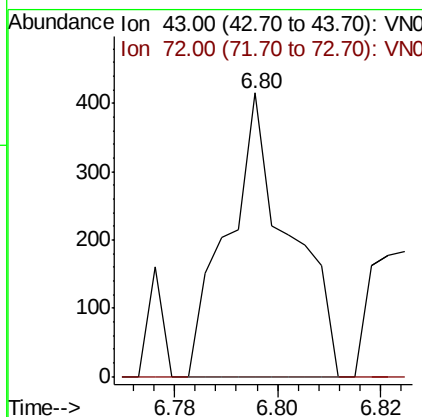
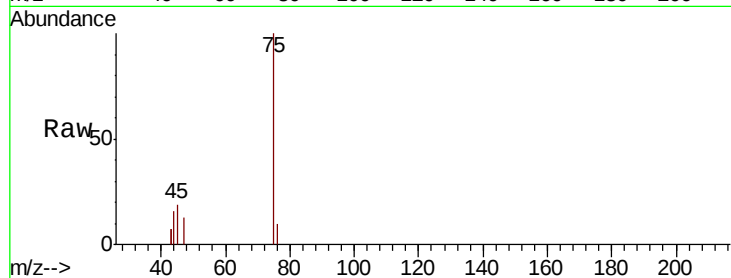




#25
2-Butanone
Concen: 0.343 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062863.D
Acq: 12 Aug 2020 17:23

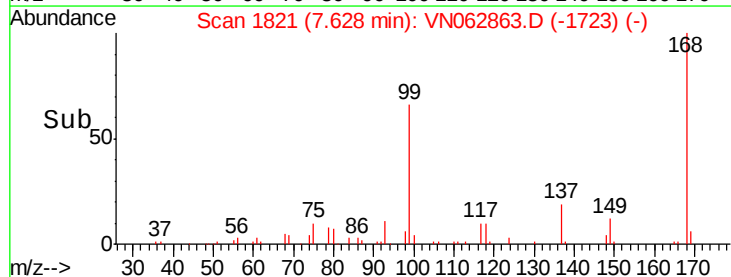
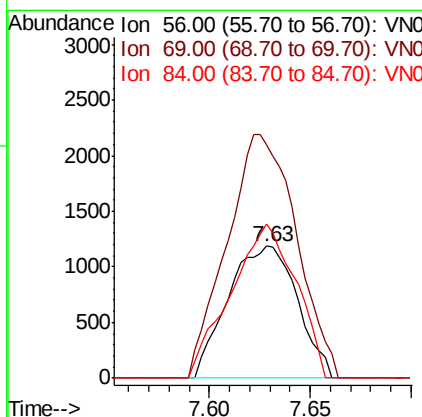
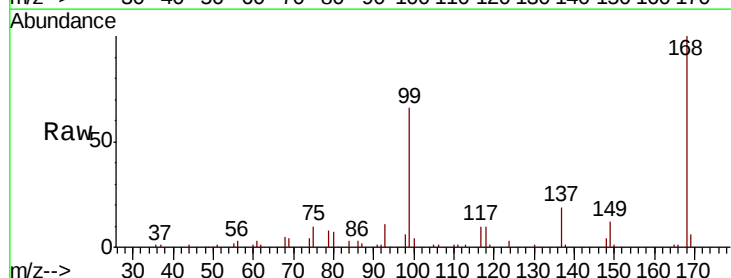
Instrument :
MSVOA_N
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BP-VPB181-GW-58-60

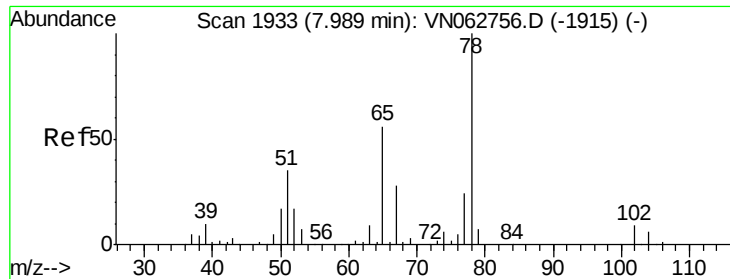
Tot Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062863.D
Acq: 12 Aug 2020 17:23

Tgt Ion: 56 Resp: 2836
Ion Ratio Lower Upper
56 100
69 177.0 28.1 42.1#
84 117.0 66.8 100.2#

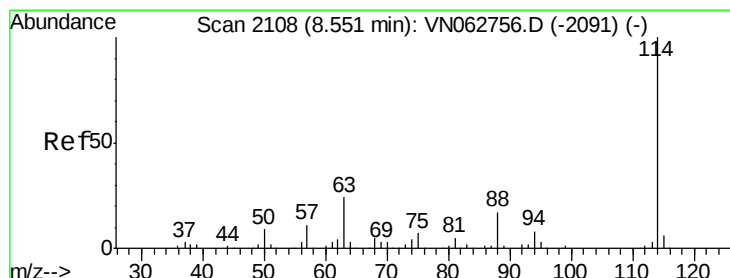
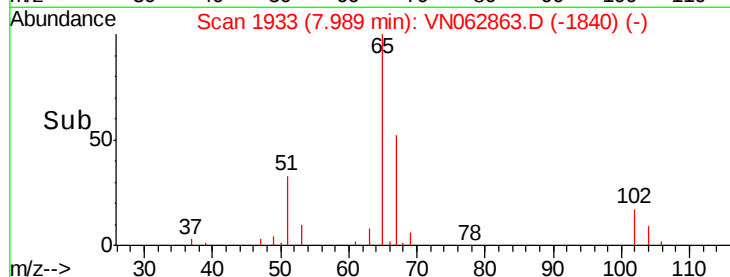
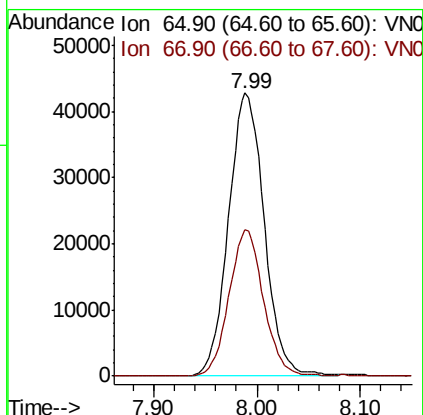
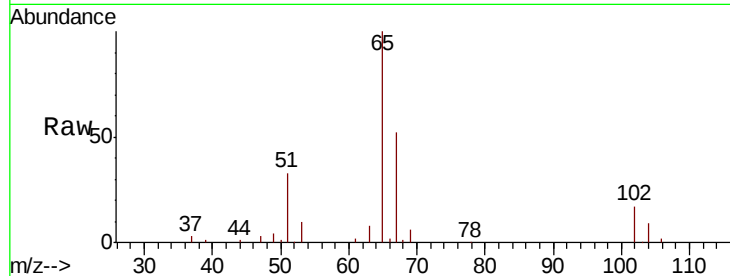




#33
 1,2-Dichloroethane-d4
 Concen: 53.163 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062863.D
 Acq: 12 Aug 2020 17:23

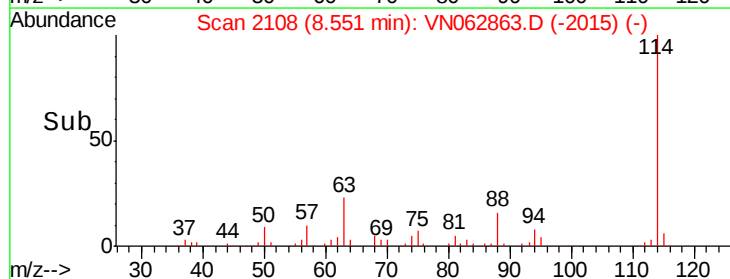
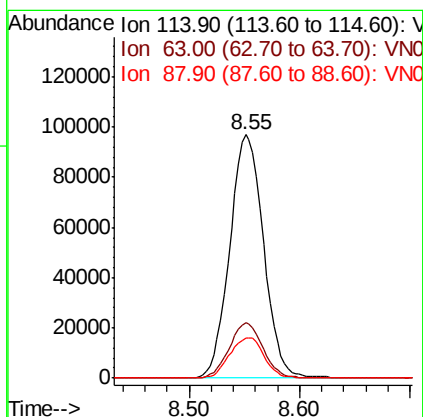
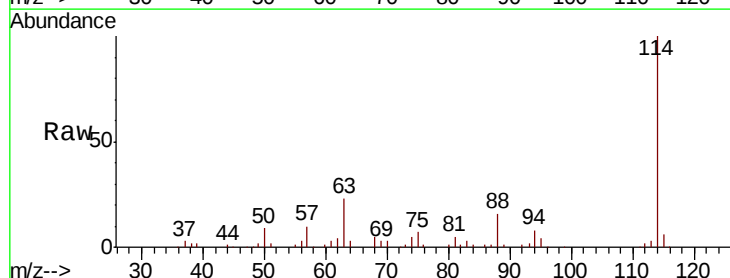
Instrument :
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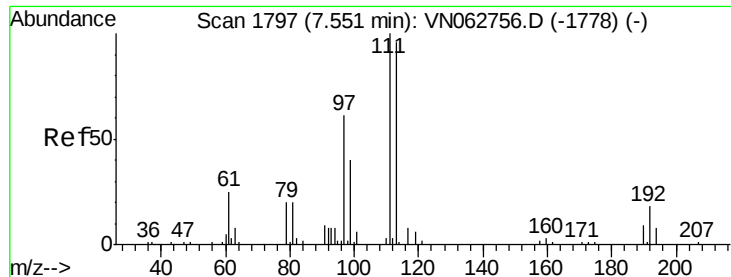
Tot Ion: 65 Resp: 103304
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062863.D
 Acq: 12 Aug 2020 17:23

Tgt Ion: 114 Resp: 205989
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.6
 88 16.3 0.0 34.4





#35

Dibromofluoromethane

Concen: 52.475 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-58-60

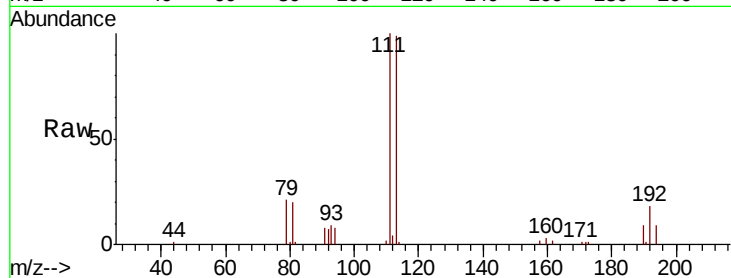
Tot Ion:113 Resp: 73942

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

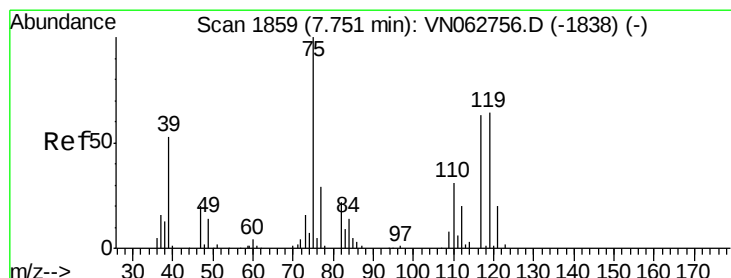
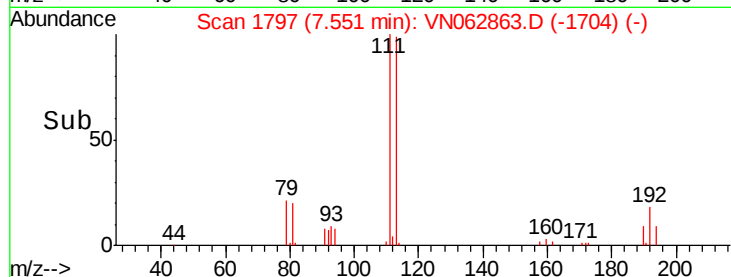
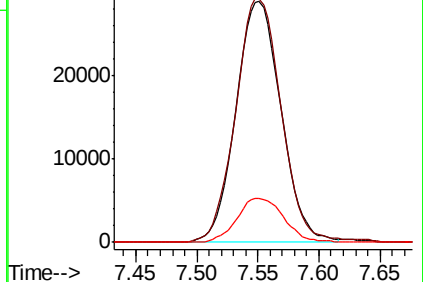
192 19.0 15.0 22.4



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: 5.234 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

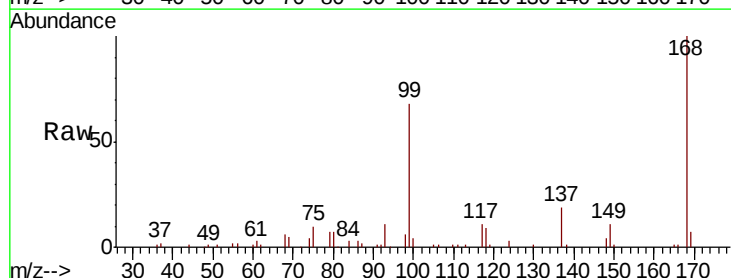
Tgt Ion: 75 Resp: 10498

Ion Ratio Lower Upper

75 100

110 7.7 15.6 46.7#

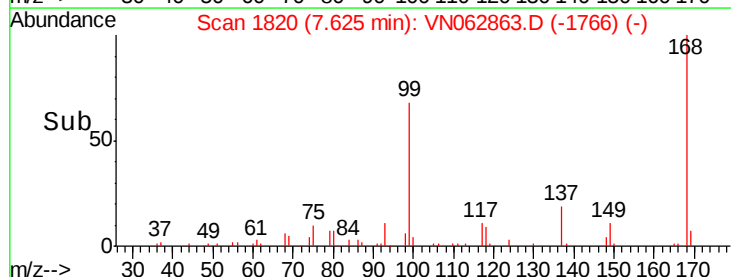
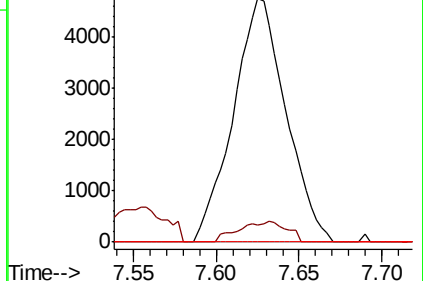
77 0.0 24.1 36.1#

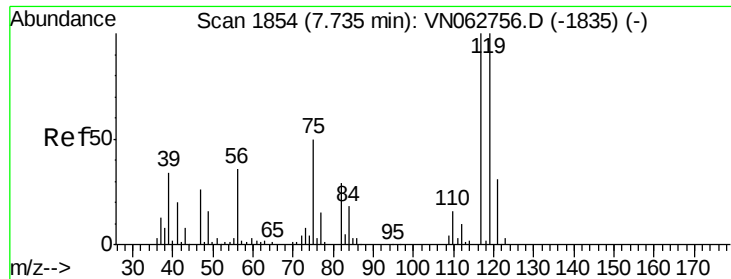


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.464 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-58-60

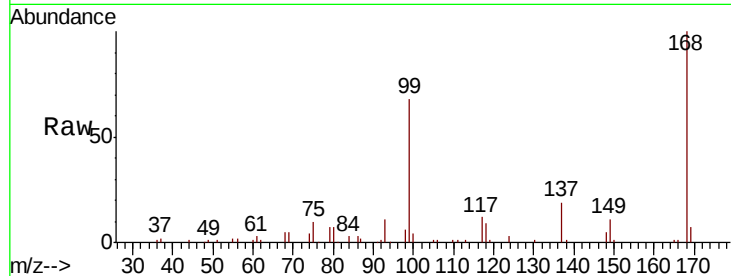
Tot Ion:117 Resp: 12961

Ion Ratio Lower Upper

117 100

119 5.7 79.4 119.2#

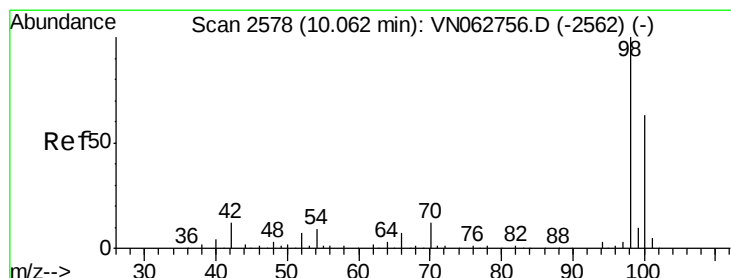
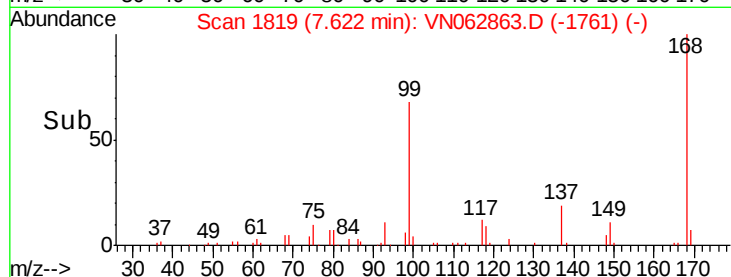
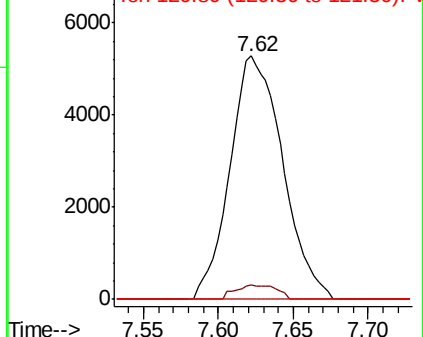
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 48.606 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062863.D

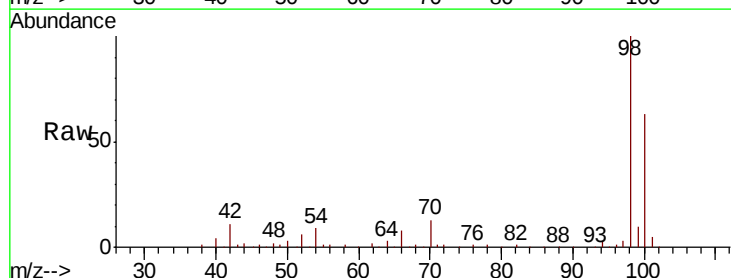
Acq: 12 Aug 2020 17:23

Tgt Ion: 98 Resp: 267387

Ion Ratio Lower Upper

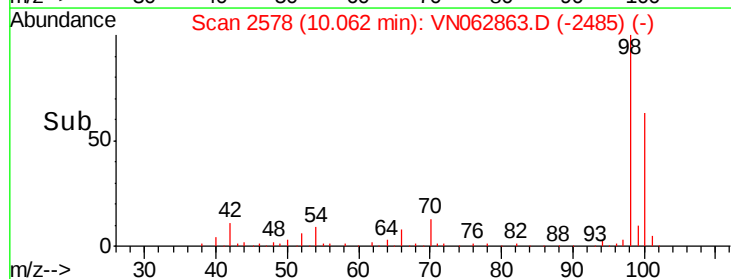
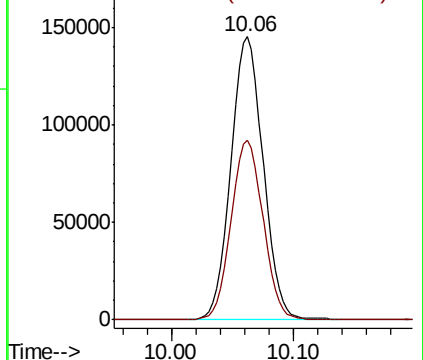
98 100

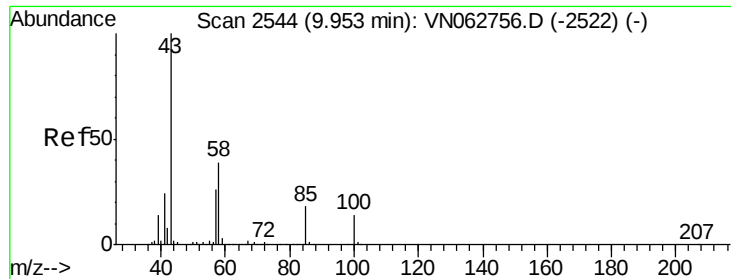
100 63.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.587 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

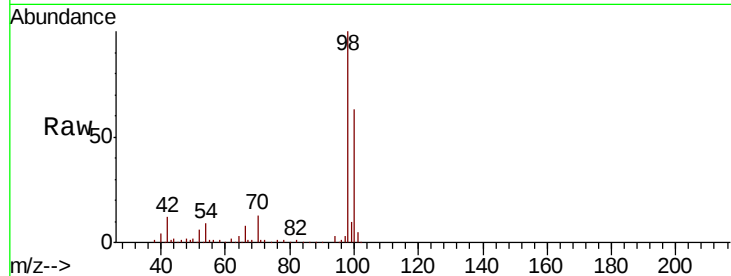
BP-VPB181-GW-58-60

Tot Ion: 43 Resp: 1327

Ion Ratio Lower Upper

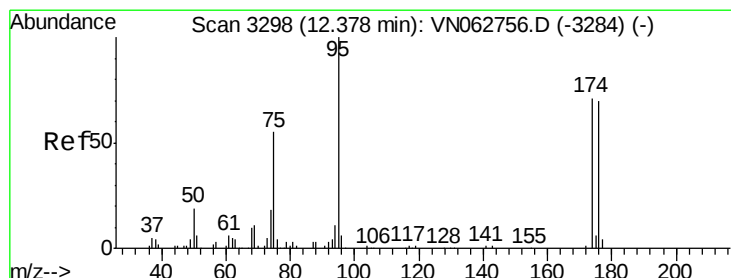
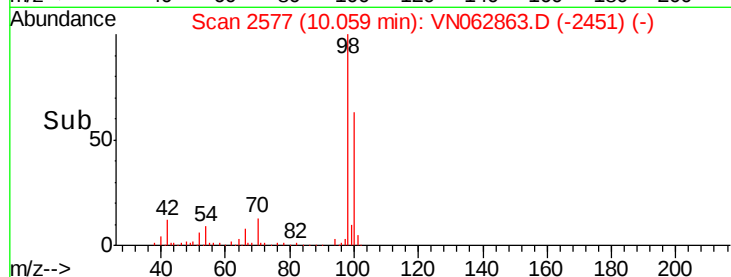
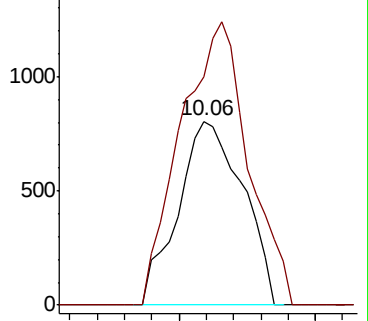
43 100

58 161.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)



#62

4-Bromofluorobenzene

Concen: 47.440 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

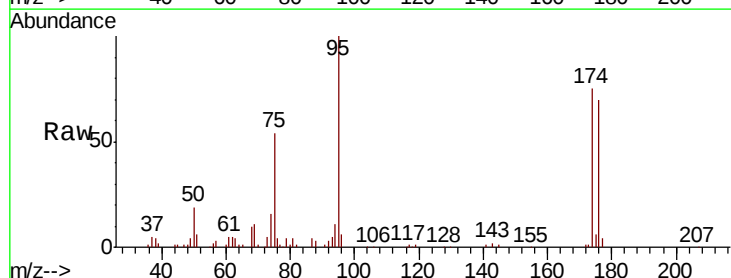
Tgt Ion: 95 Resp: 98622

Ion Ratio Lower Upper

95 100

174 77.5 0.0 144.8

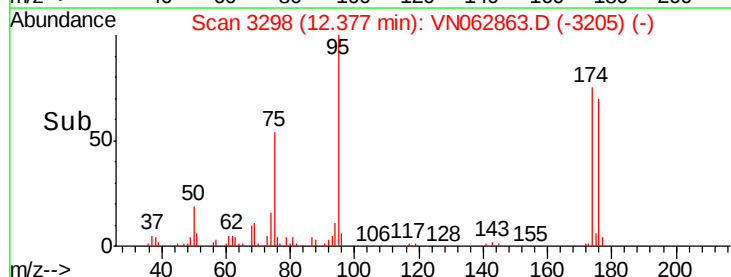
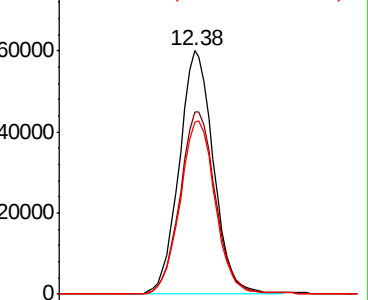
176 72.6 0.0 142.2

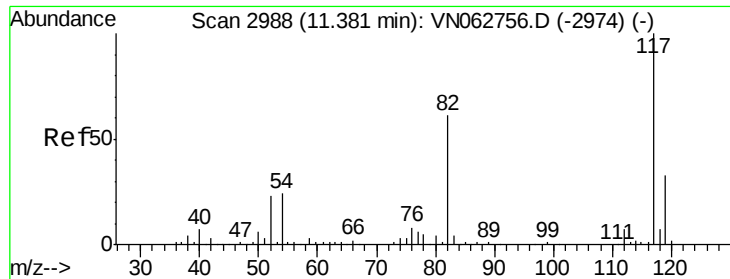


Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)

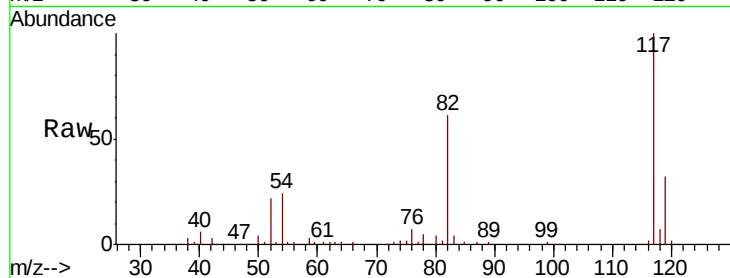




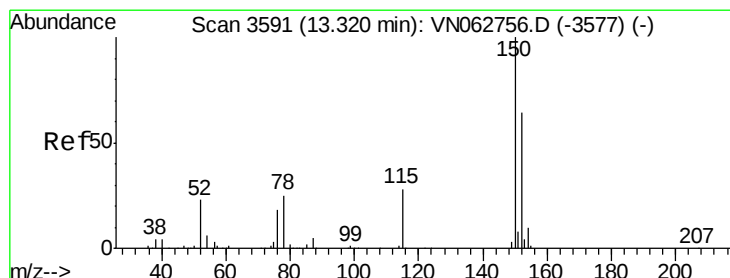
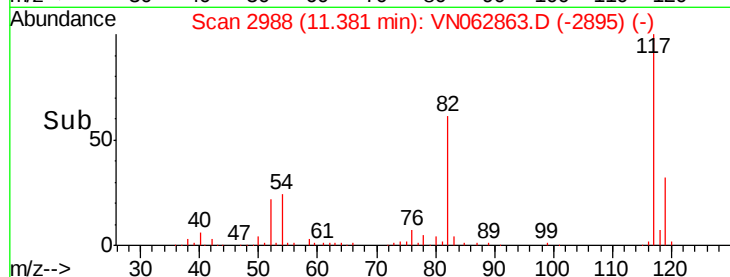
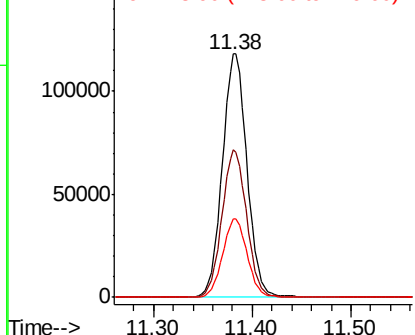
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062863.D
Acq: 12 Aug 2020 17:23

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-58-60

Tot Ion:117 Resp: 207587
Ion Ratio Lower Upper
117 100
82 60.7 49.0 73.4
119 32.0 26.2 39.2

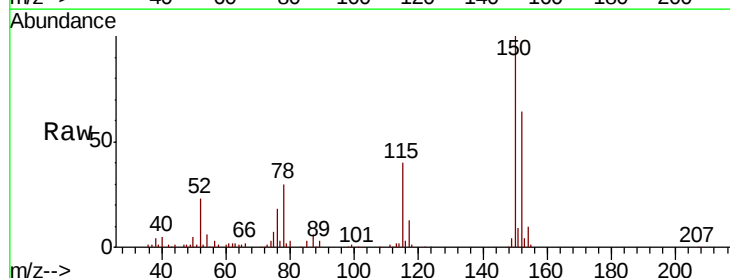


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

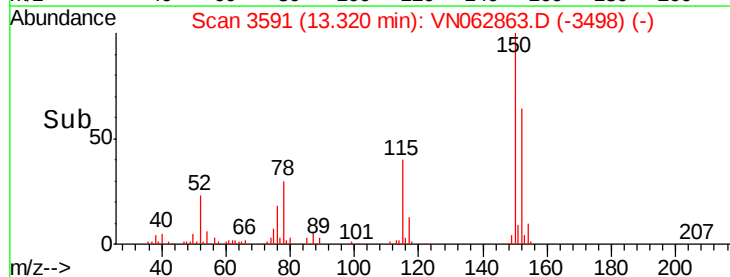
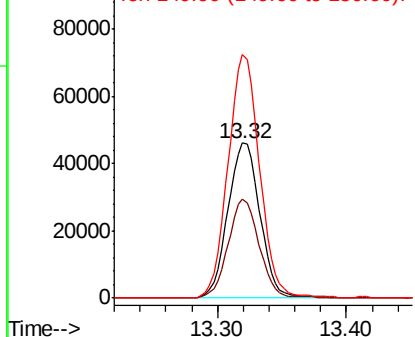


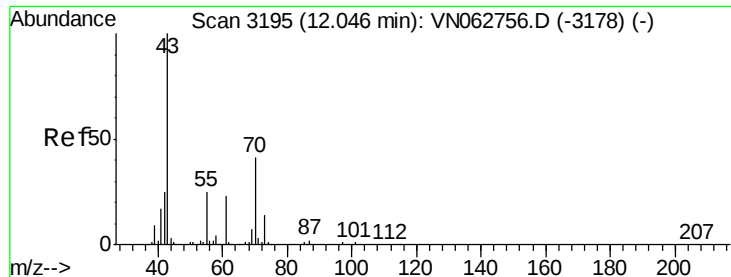
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062863.D
Acq: 12 Aug 2020 17:23

Tgt Ion:152 Resp: 79846
Ion Ratio Lower Upper
152 100
115 61.2 31.6 94.8
150 154.0 0.0 349.2



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: 0.208 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.03 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-58-60

Tot Ion: 43 Resp: 506

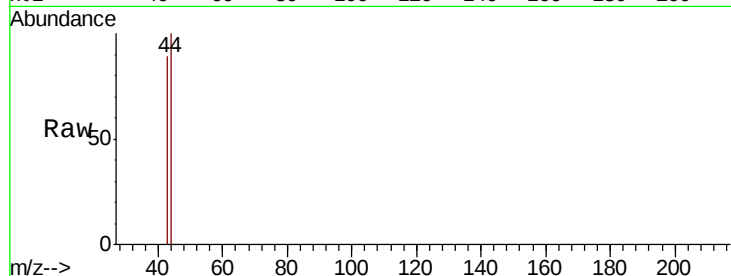
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

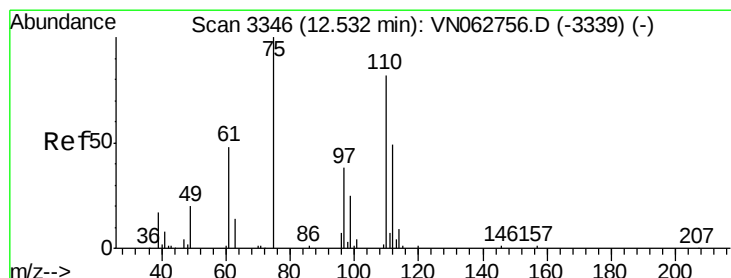
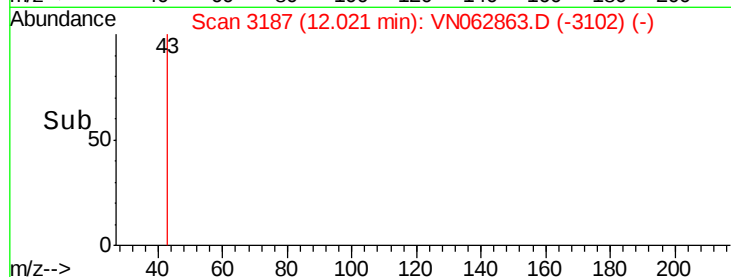
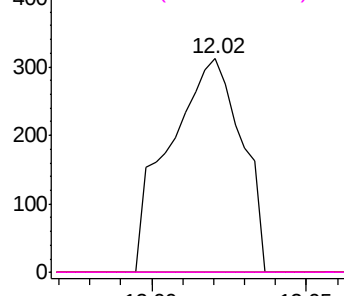


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 25.107 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062863.D

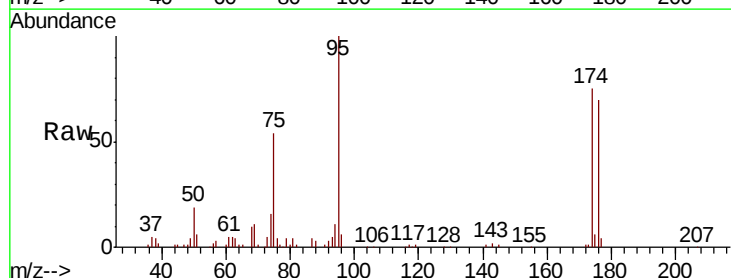
Acq: 12 Aug 2020 17:23

Tgt Ion: 75 Resp: 54064

Ion Ratio Lower Upper

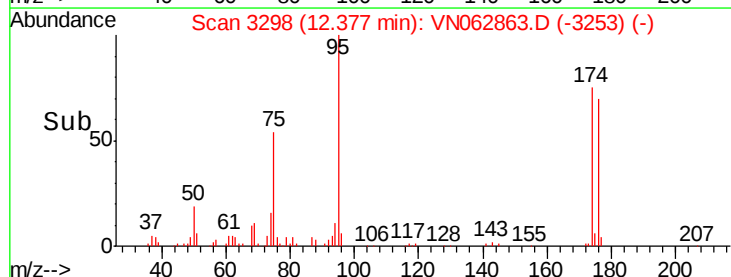
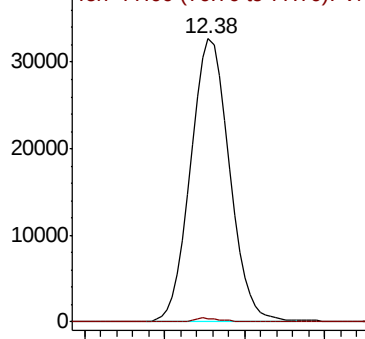
75 100

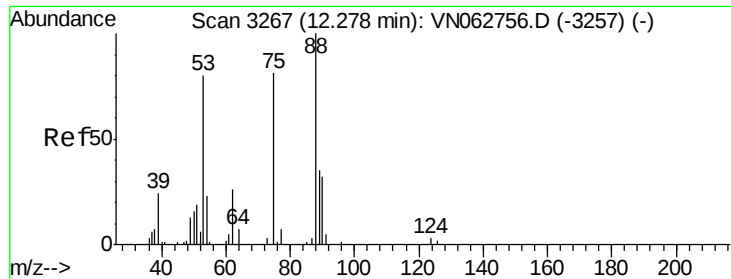
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.644 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-58-60

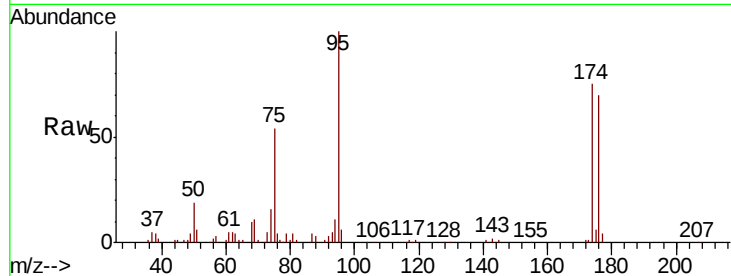
Tot Ion: 75 Resp: 54064

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

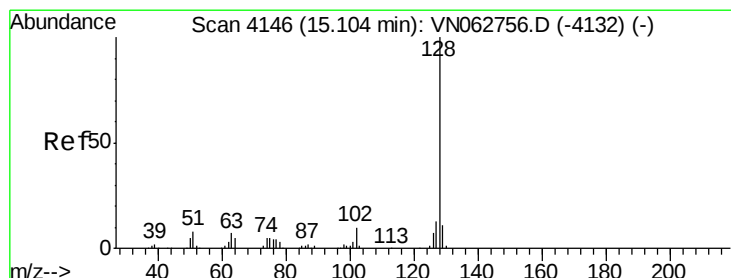
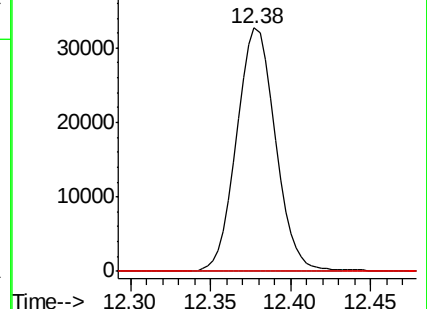
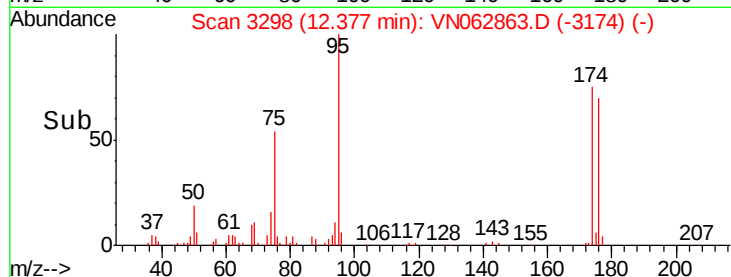
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062863.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN062863.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN062863.D (-3174) (-)



#95

Naphthalene

Concen: 3.775 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062863.D

Acq: 12 Aug 2020 17:23

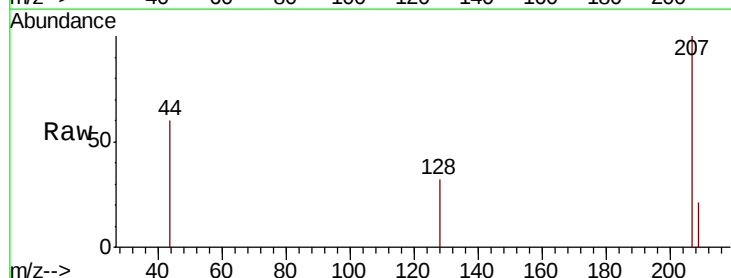
Tgt Ion: 128 Resp: 265

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN062863.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062863.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062863.D (-4053) (-)

