

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062864.D
 Acq On : 12 Aug 2020 17:47
 Operator : JC/MD
 Sample : L3671-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-98-100

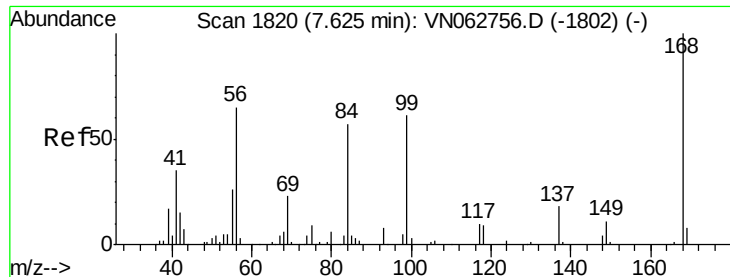
Quant Time: Aug 13 05:23:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	123022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	210955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	220114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80637	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	106467	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	7.55	113	74534	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
50) Toluene-d8	10.06	98	273812	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.38	95	101632	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	579	0.348	ug/l #	43
16) Acetone	3.79	43	4109	5.590	ug/l	91
18) Methyl Acetate	4.29	43	525	Below Cal	#	52
20) Methylene Chloride	4.51	84	345	Below Cal	#	50
24) 1,1-Dichloroethane	5.80	63	1243	0.463	ug/l #	84
31) Cyclohexane	7.62	56	2690	1.091	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	10536	5.129	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13511	5.562	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	1382	0.597	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	55259	25.410	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	55259	77.570	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062864.D

Acq: 12 Aug 2020 17:47

Instrument :

MSVOA_N

ClientSampleId :

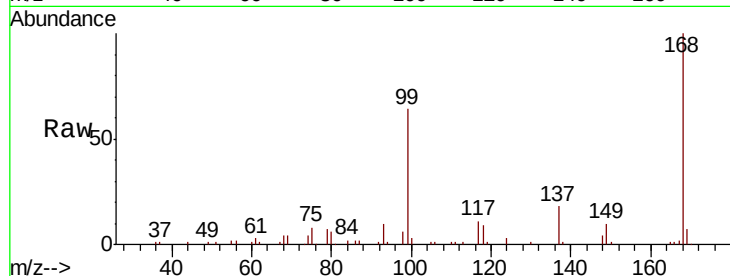
BP-VPB181-GW-98-100

Tot Ion:168 Resp: 123022

Ion Ratio Lower Upper

168 100

99 63.6 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

30000

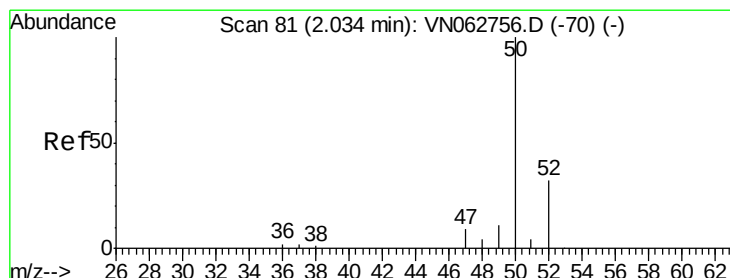
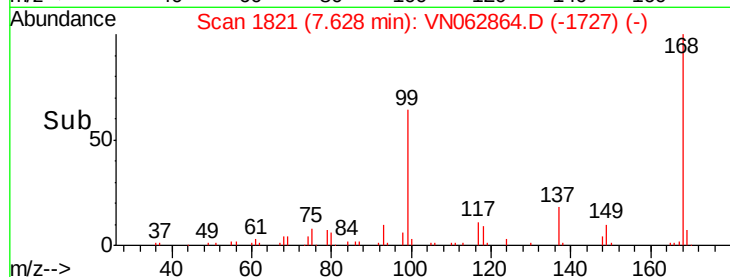
20000

10000

0

Time-->

7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.348 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062864.D

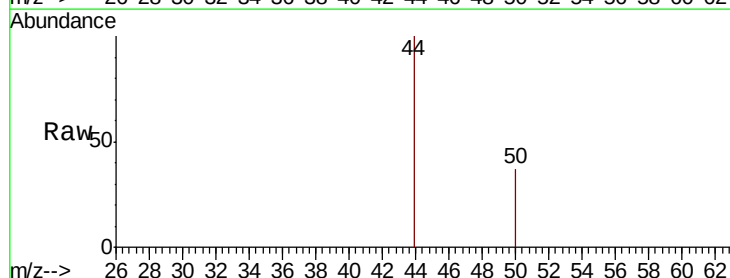
Acq: 12 Aug 2020 17:47

Tgt Ion: 50 Resp: 579

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

400

300

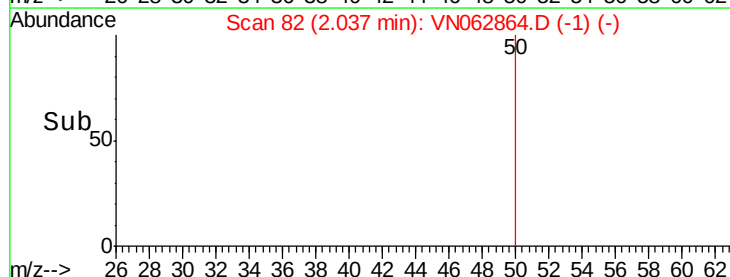
200

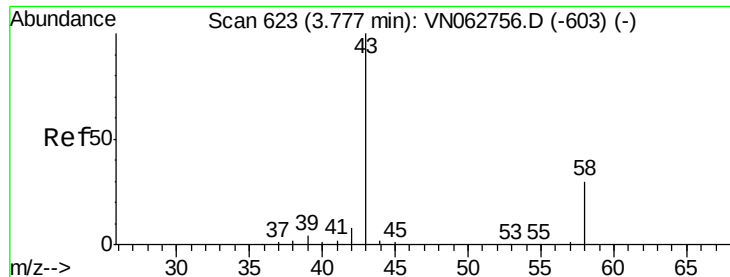
100

0

Time-->

2.00 2.02 2.04 2.06





#16

Acetone

Concen: 5.590 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062864.D

Acq: 12 Aug 2020 17:47

Instrument :

MSVOA_N

ClientSampleId :

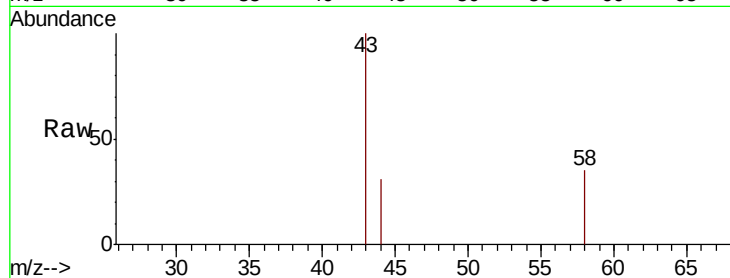
BP-VPB181-GW-98-100

Tot Ion: 43 Resp: 4109

Ion Ratio Lower Upper

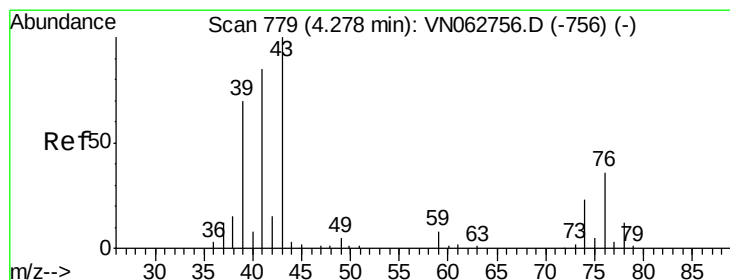
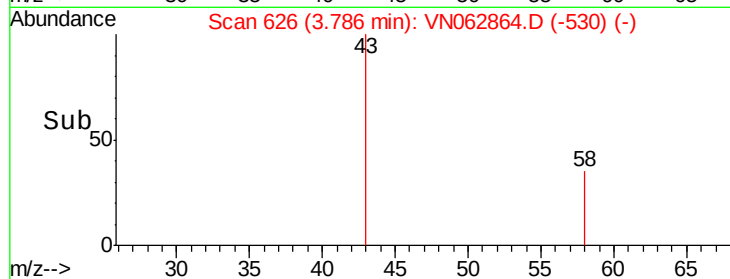
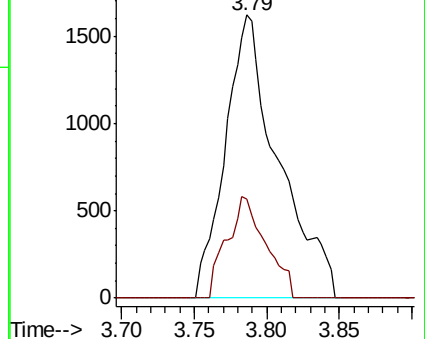
43 100

58 35.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-603) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062864.D

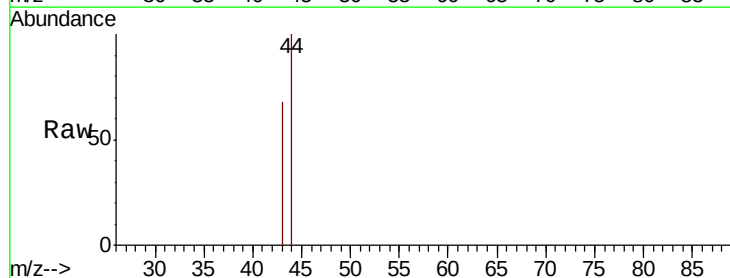
Acq: 12 Aug 2020 17:47

Tgt Ion: 43 Resp: 525

Ion Ratio Lower Upper

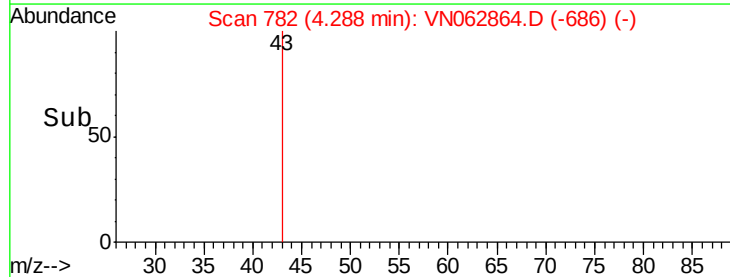
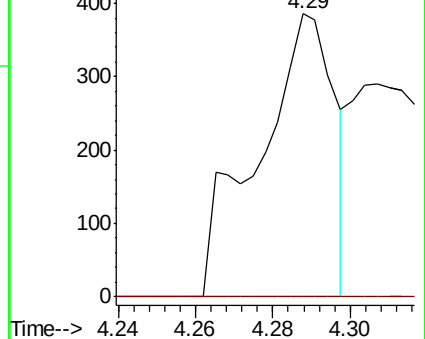
43 100

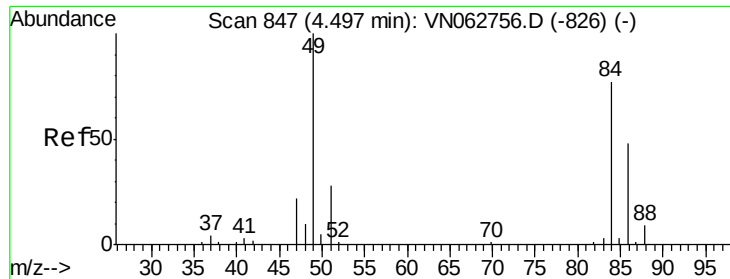
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-756) (-)

Ion 74.00 (73.70 to 74.70): VN062756.D (-756) (-)

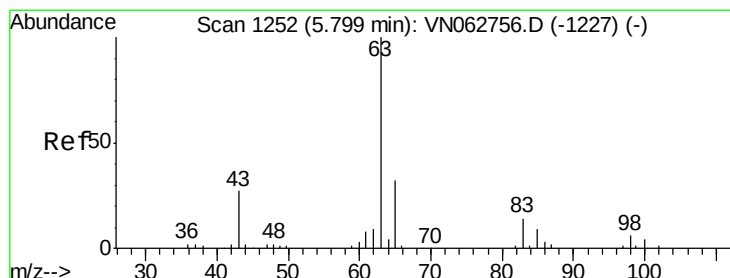
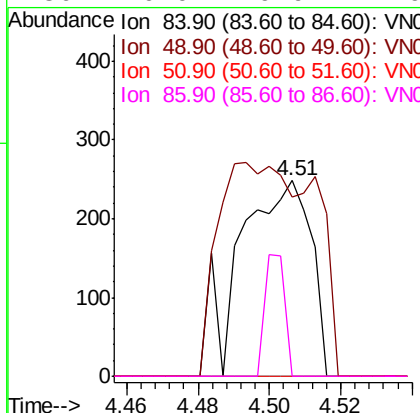
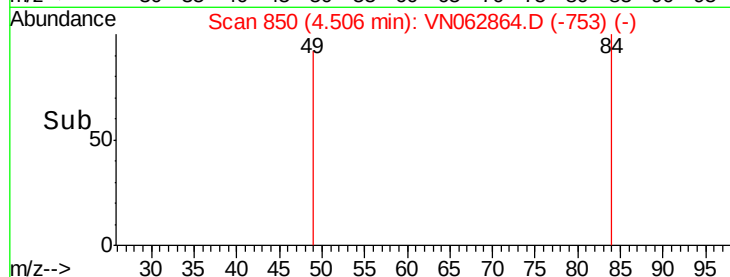
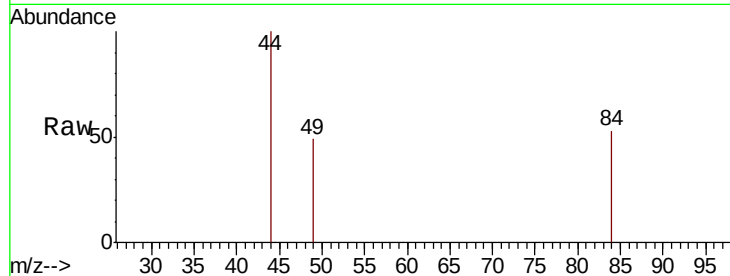




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062864.D
Acq: 12 Aug 2020 17:47

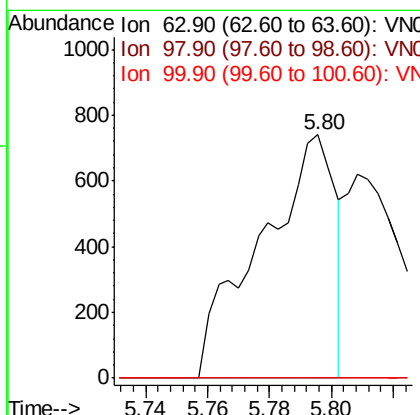
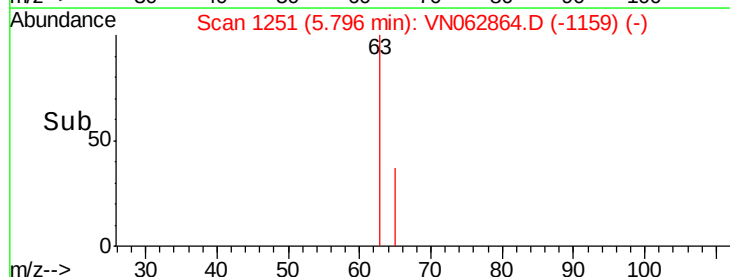
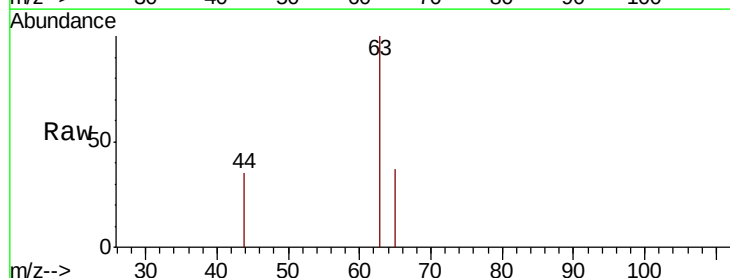
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-98-100

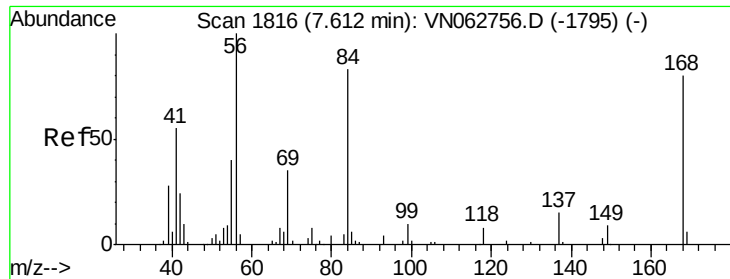
Tot Ion: 84 Resp: 345
Ion Ratio Lower Upper
84 100
49 91.5 103.4 155.2#
51 0.0 29.3 43.9#
86 0.0 49.9 74.9#



#24
1,1-Dichloroethane
Concen: 0.463 ug/l
RT: 5.80 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VN062864.D
Acq: 12 Aug 2020 17:47

Tgt Ion: 63 Resp: 1243
Ion Ratio Lower Upper
63 100
98 0.0 3.0 9.2#
100 0.0 1.9 5.7#

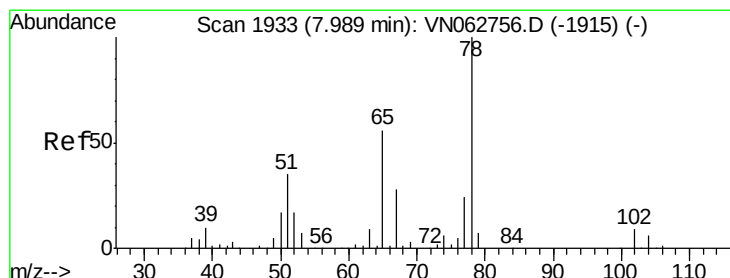
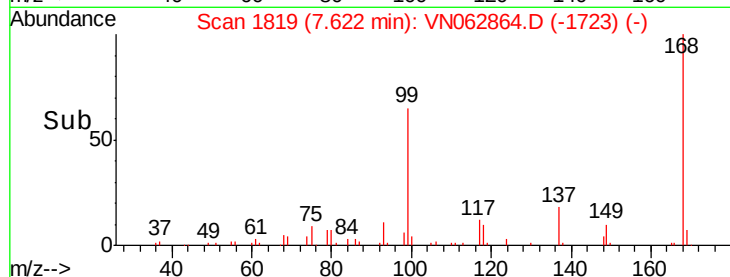
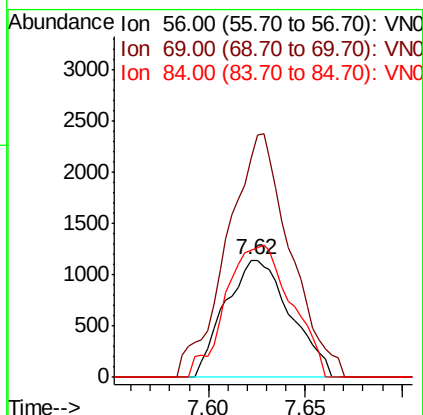
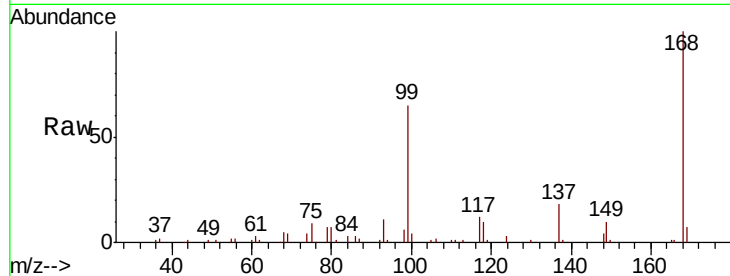




#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062864.D
Acq: 12 Aug 2020 17:47

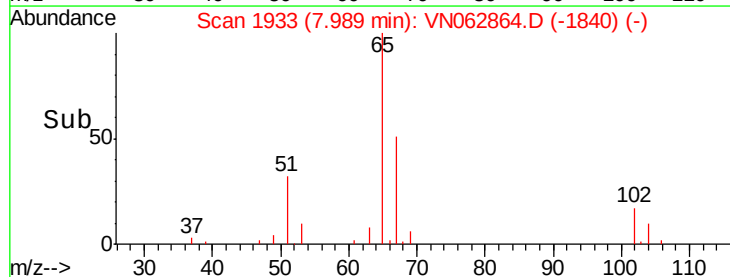
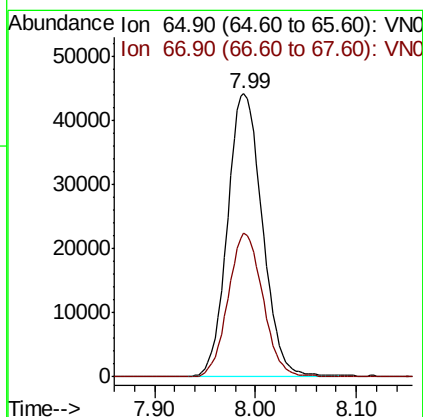
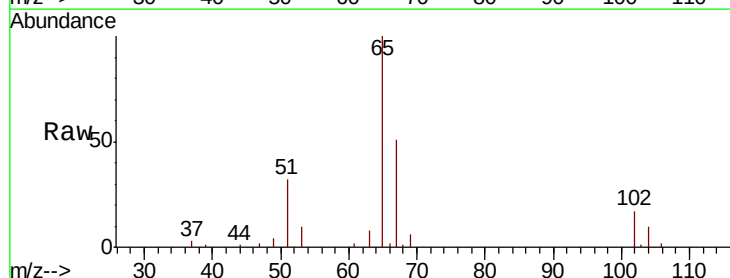
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-98-100

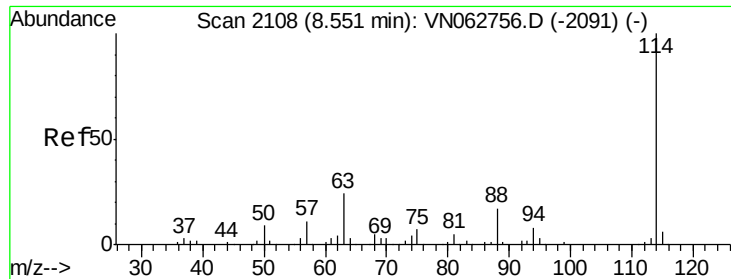
Tot Ion: 56 Resp: 2690
Ion Ratio Lower Upper
56 100
69 170.6 28.1 42.1#
84 108.8 66.8 100.2#



#33
1,2-Dichloroethane-d4
Concen: 52.333 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062864.D
Acq: 12 Aug 2020 17:47

Tgt Ion: 65 Resp: 106467
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.4

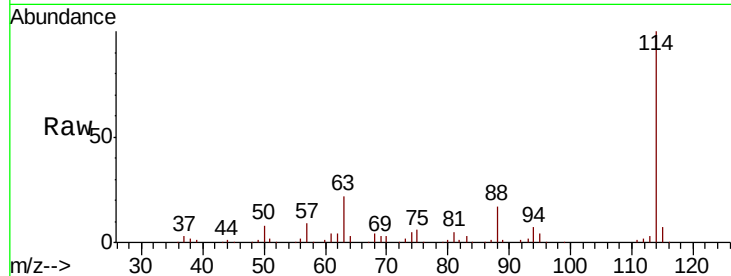




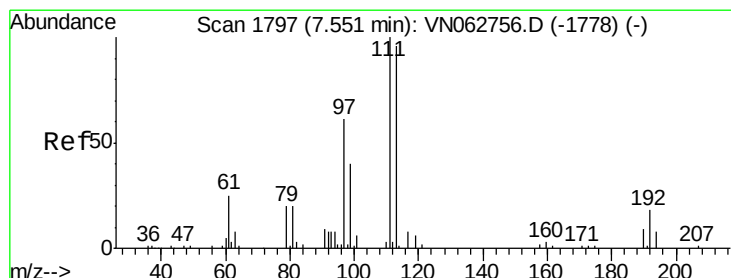
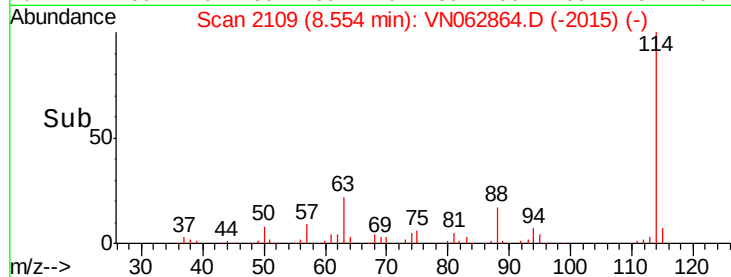
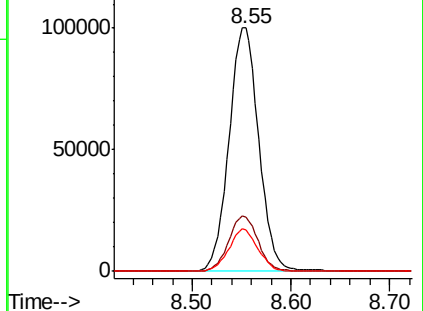
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2109
 Delta R.T. 0.00 min
 Lab File: VN062864.D
 Acq: 12 Aug 2020 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-98-100

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	47.6
88	16.9	0.0	34.4

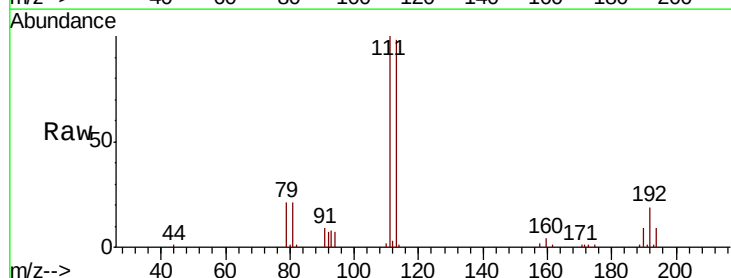


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

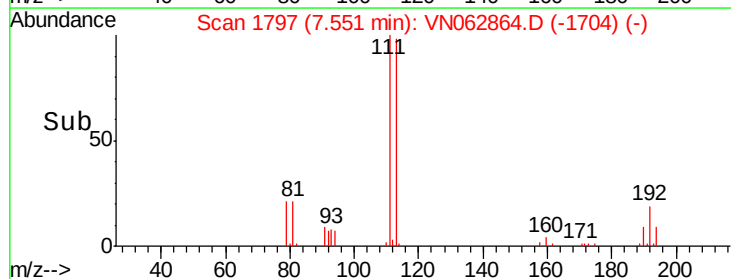
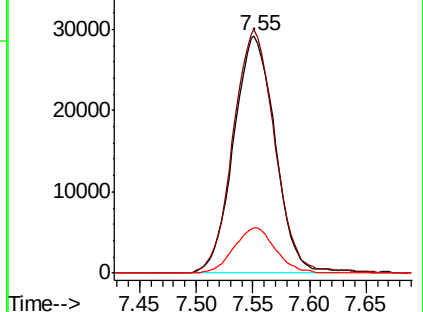


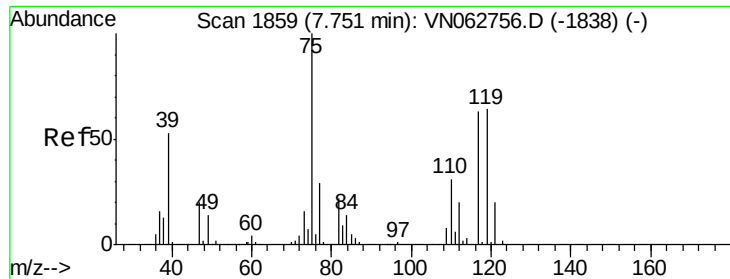
#35
 Dibromofluoromethane
 Concen: 51.650 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062864.D
 Acq: 12 Aug 2020 17:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	19.1	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: 5.129 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062864.D

Acq: 12 Aug 2020 17:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-98-100

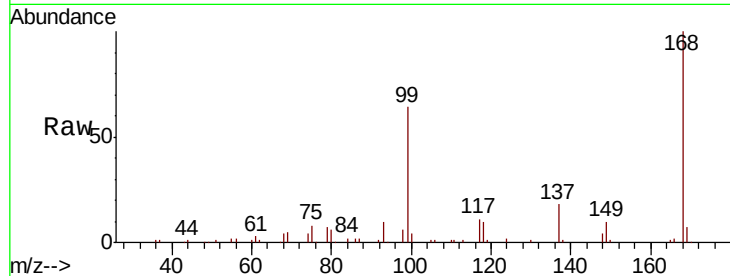
Tot Ion: 75 Resp: 10536

Ion Ratio Lower Upper

75 100

110 4.0 15.6 46.7#

77 0.0 24.1 36.1#

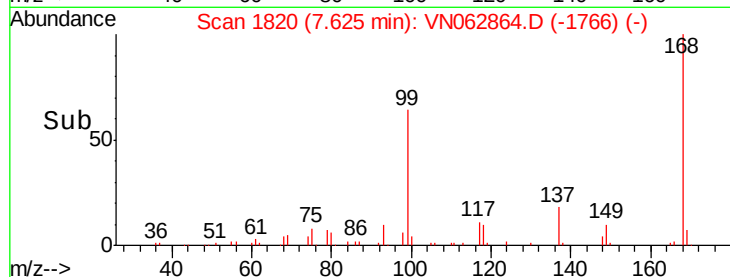


Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-1838) (-)

Ion 109.90 (109.60 to 110.60): VN062756.D (-1838) (-)

Ion 76.90 (76.60 to 77.60): VN062756.D (-1838) (-)

Time-->

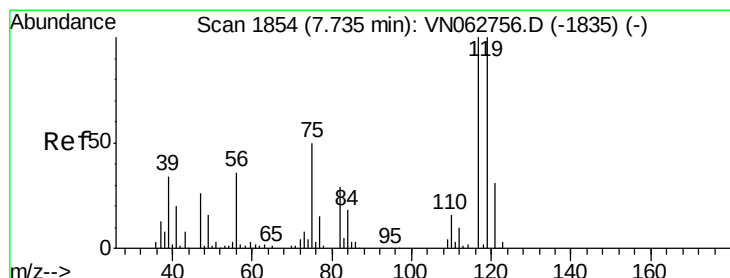


Abundance Ion 74.90 (74.60 to 75.60): VN062864.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN062864.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN062864.D (-1766) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.562 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062864.D

Acq: 12 Aug 2020 17:47

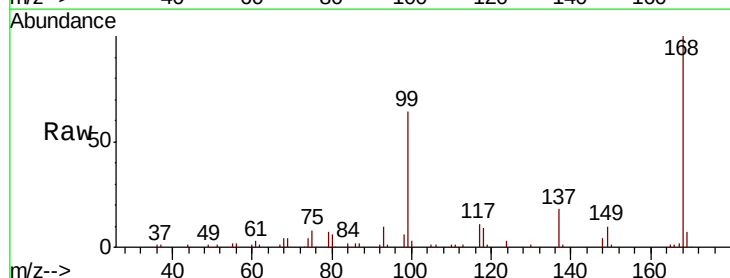
Tgt Ion: 117 Resp: 13511

Ion Ratio Lower Upper

117 100

119 5.1 79.4 119.2#

121 0.0 24.9 37.3#

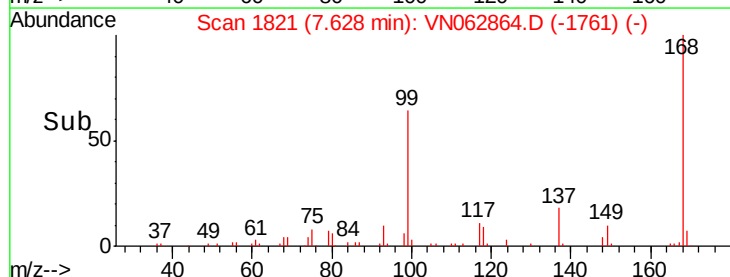


Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062756.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062756.D (-1835) (-)

Time-->

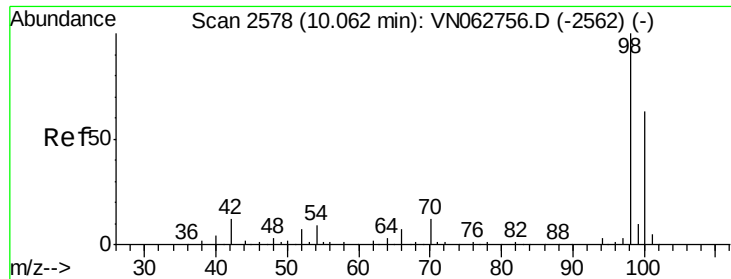


Abundance Ion 116.80 (116.50 to 117.50): VN062864.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN062864.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN062864.D (-1761) (-)

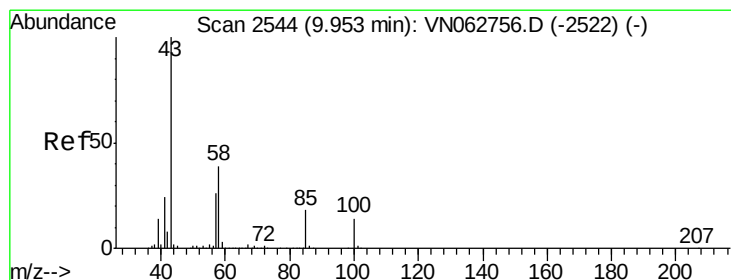
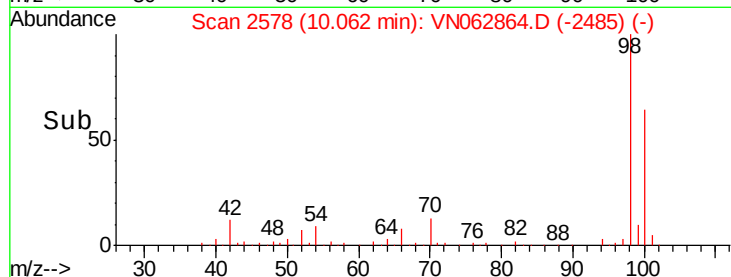
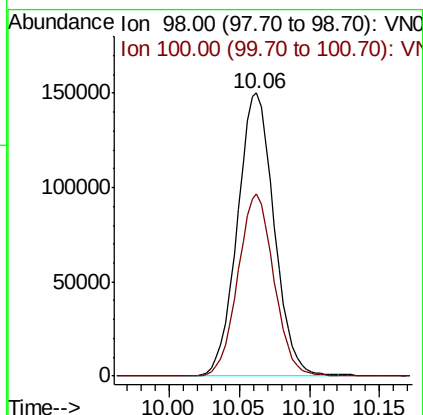
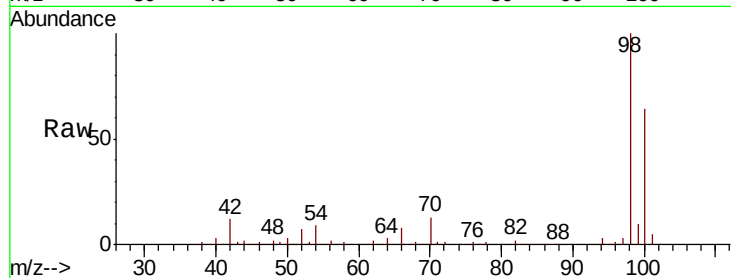
Time-->



#50
Toluene-d8
Concen: 48.602 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062864.D
Acq: 12 Aug 2020 17:47

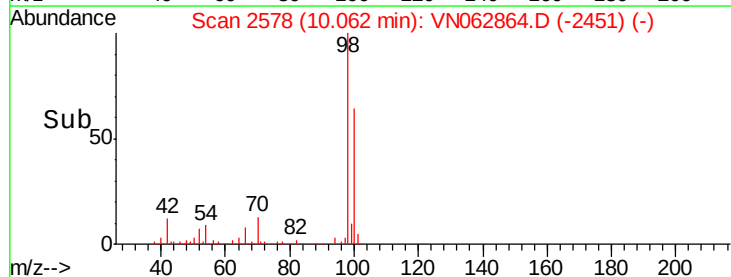
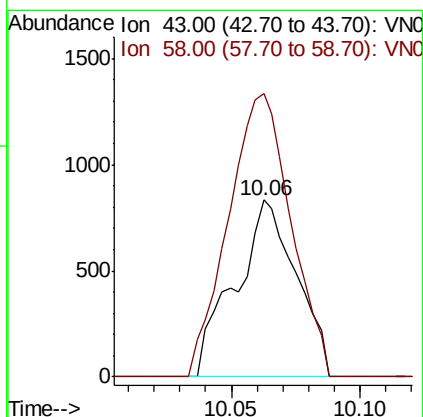
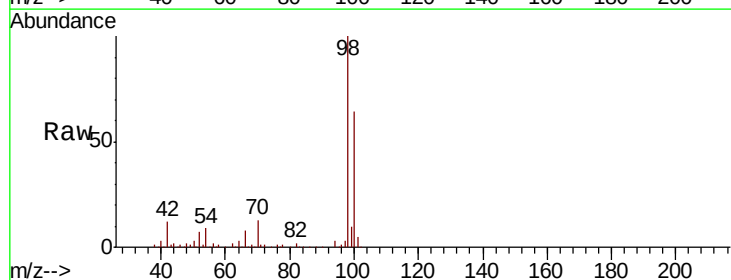
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-98-100

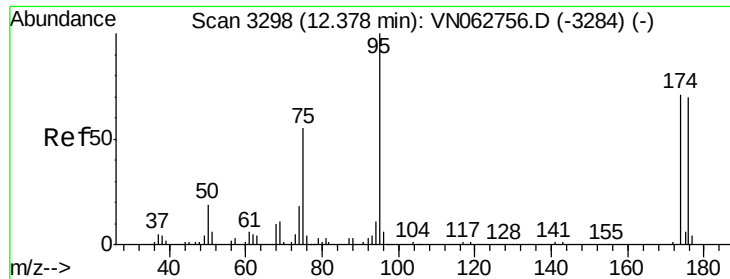
Tot Ion: 98 Resp: 273812
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.597 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.11 min
Lab File: VN062864.D
Acq: 12 Aug 2020 17:47

Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
58 163.3 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 47.737 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062864.D

Acq: 12 Aug 2020 17:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-98-100

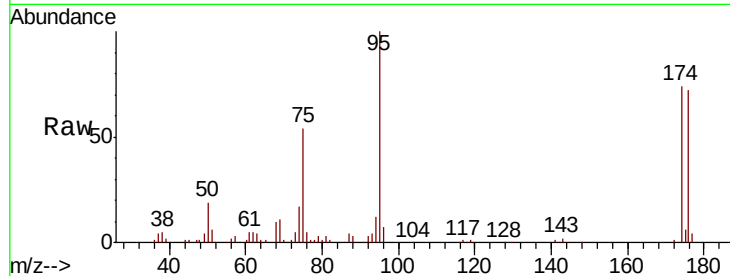
Tot Ion: 95 Resp: 101632

Ion Ratio Lower Upper

95 100

174 75.3 0.0 144.8

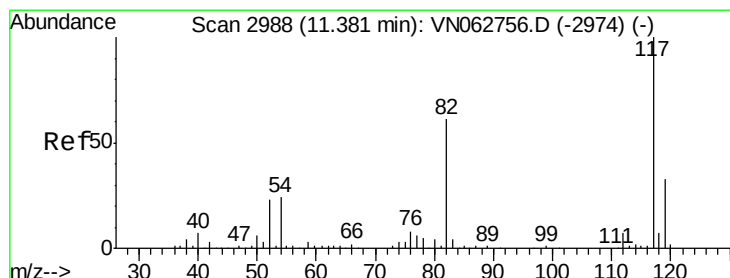
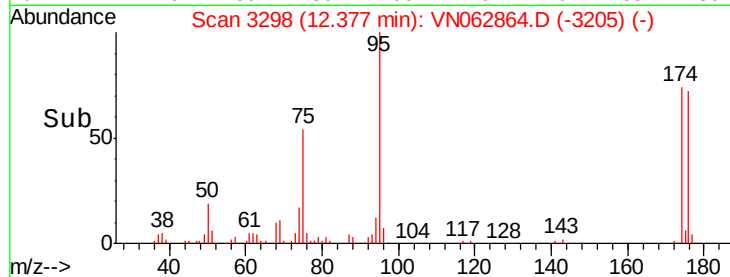
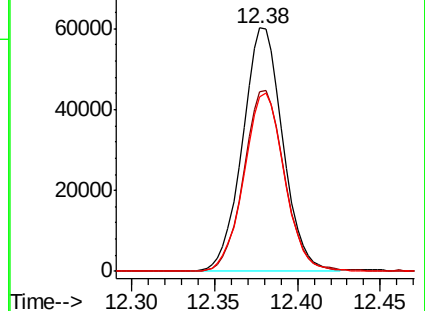
176 73.6 0.0 142.2



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: VN062864.D

Acq: 12 Aug 2020 17:47

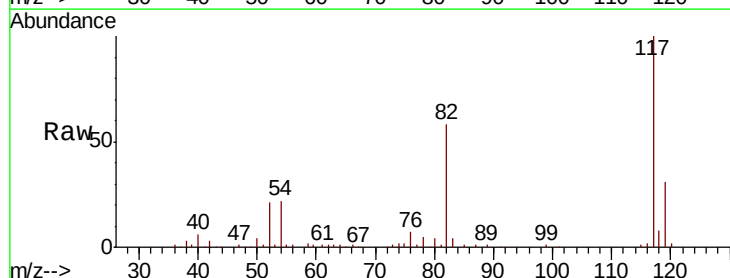
Tgt Ion: 117 Resp: 220114

Ion Ratio Lower Upper

117 100

82 57.9 49.0 73.4

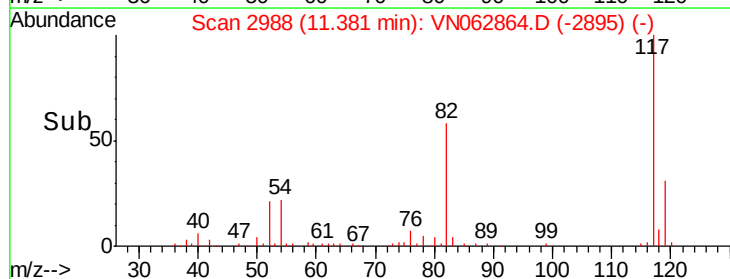
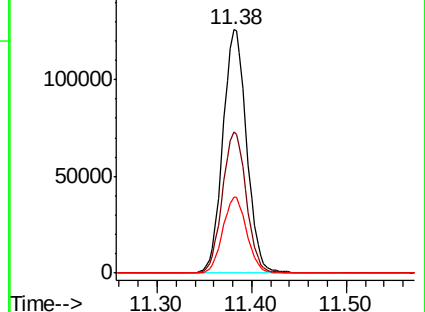
119 31.2 26.2 39.2

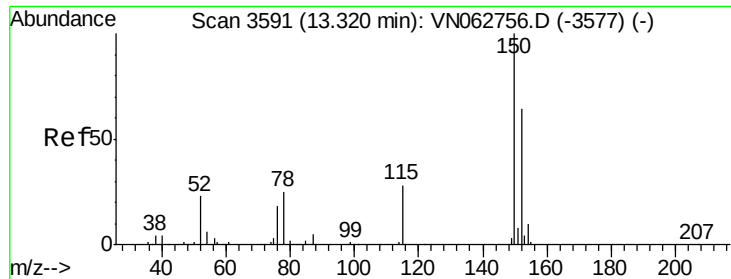


Abundance Ion 116.90 (116.60 to 117.60): VN062756.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062756.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062756.D (-2974) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062864.D

Acq: 12 Aug 2020 17:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-98-100

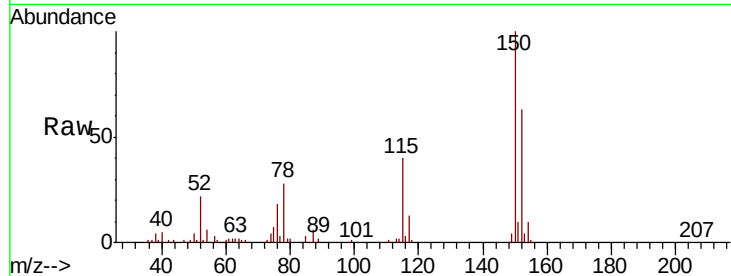
Tot Ion:152 Resp: 80637

Ion Ratio Lower Upper

152 100

115 64.0 31.6 94.8

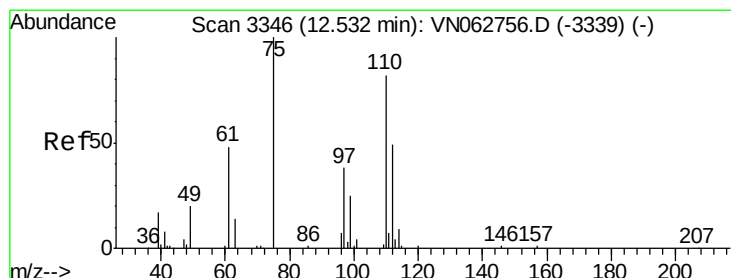
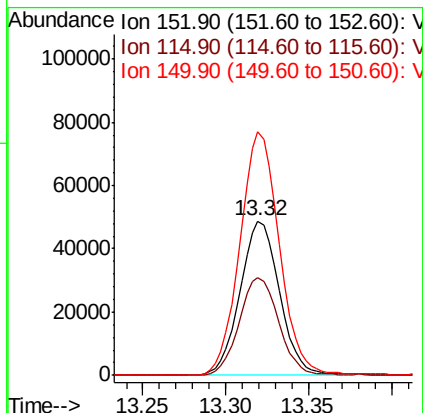
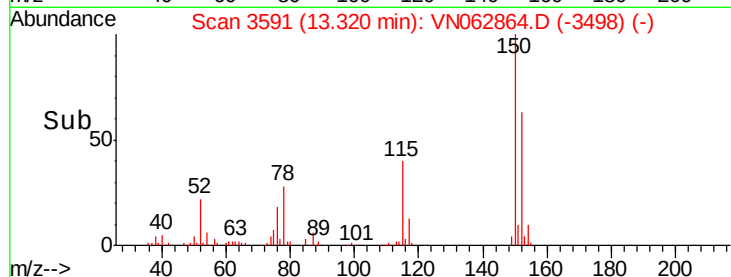
150 158.7 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 25.410 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. -0.15 min

Lab File: VN062864.D

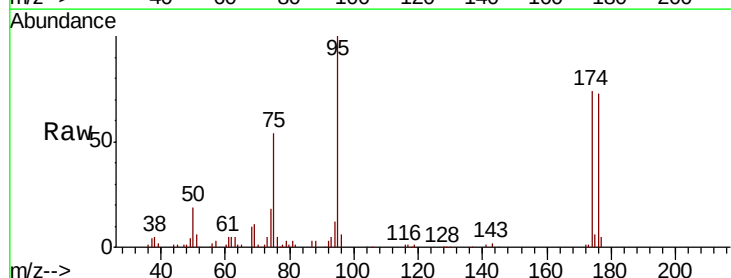
Acq: 12 Aug 2020 17:47

Tgt Ion: 75 Resp: 55259

Ion Ratio Lower Upper

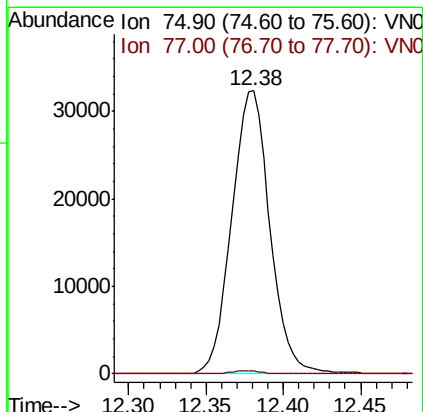
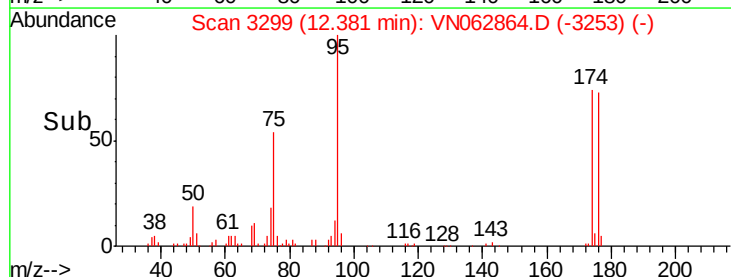
75 100

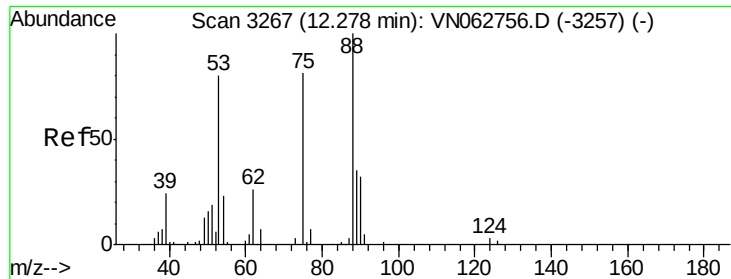
77 0.7 0.0 0.0#



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: 77.570 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.10 min

Lab File: VN062864.D

Acq: 12 Aug 2020 17:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-98-100

Tot Ion: 75 Resp: 55259

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#

