

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061165.D
 Acq On : 28 Apr 2020 15:41
 Operator : JC/MD
 Sample : L2386-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-538-540

Quant Time: Apr 28 20:04:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	102234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	183285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	175229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78878	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	81662	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
35) Dibromofluoromethane	7.55	113	56313	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	10.06	98	226048	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.37	95	85171	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	

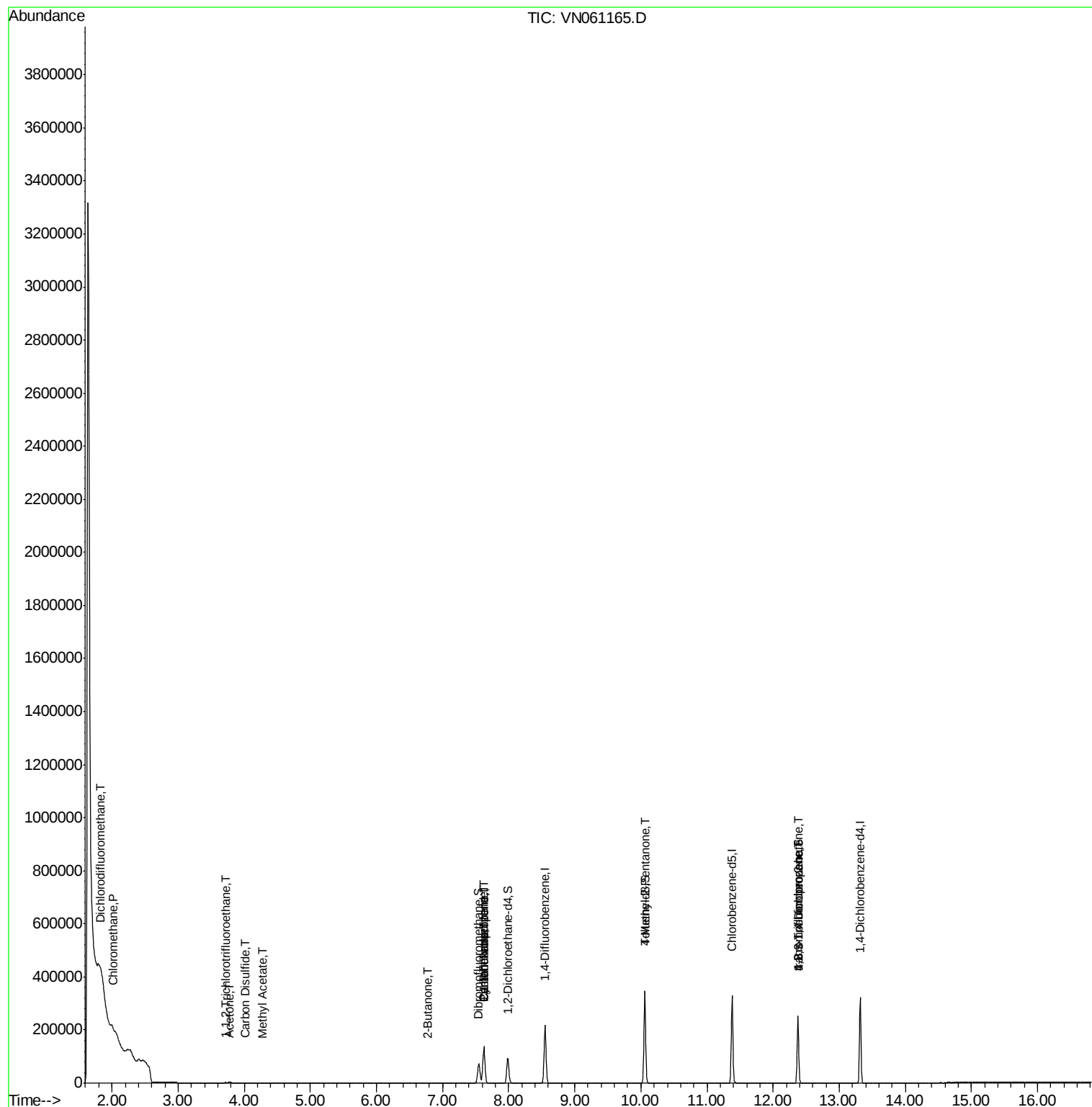
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1304	1.203	ug/l	95
3) Chloromethane	2.03	50	646	0.492	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1087	1.003	ug/l #	78
16) Acetone	3.78	43	6759	5.398	ug/l	95
17) Carbon Disulfide	4.01	76	1961	0.658	ug/l #	75
18) Methyl Acetate	4.28	43	62	0.709	ug/l #	55
25) 2-Butanone	6.78	43	265	0.277	ug/l #	53
31) Cyclohexane	7.62	56	2776	1.180	ug/l #	7
36) 1,1-Dichloropropene	7.63	75	9257	5.045	ug/l #	51
38) Carbon Tetrachloride	7.63	117	10836	7.385	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1362	0.648	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	47763	28.722	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47763	72.938	ug/l #	8

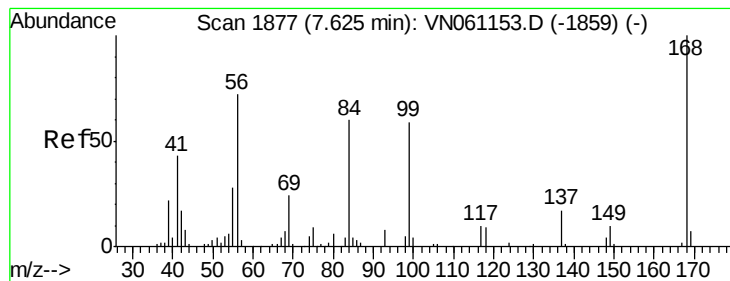
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061165.D

Acq: 28 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

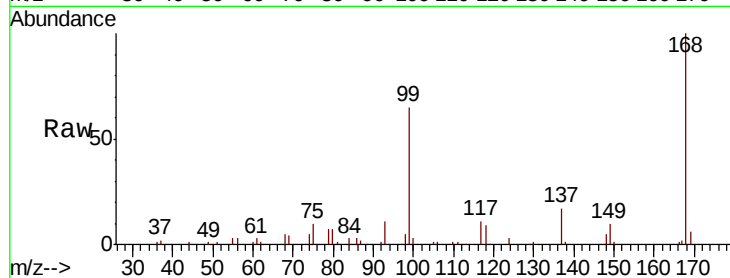
BP-VPB180-GW-538-540

Tot Ion:168 Resp: 102234

Ion Ratio Lower Upper

168 100

99 65.0 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

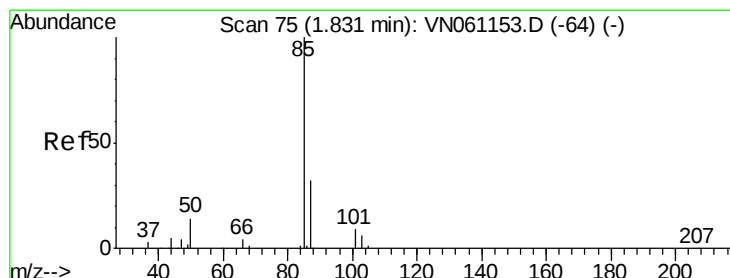
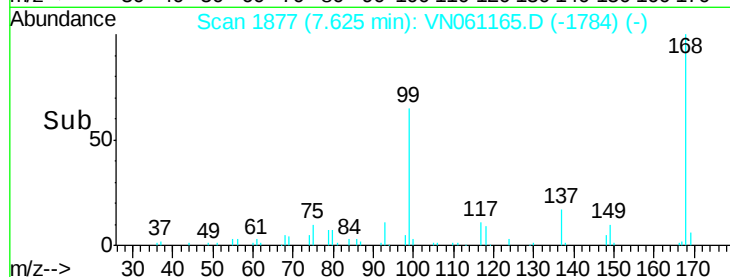
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 1.203 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061165.D

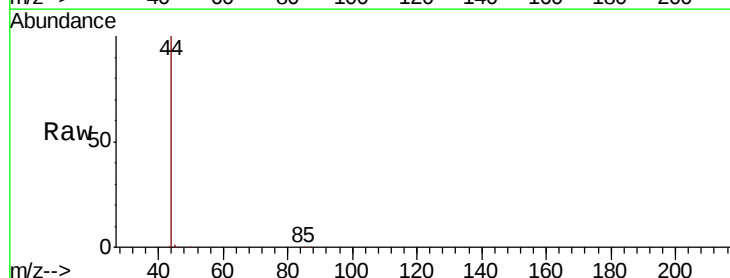
Acq: 28 Apr 2020 15:41

Tgt Ion: 85 Resp: 1304

Ion Ratio Lower Upper

85 100

87 34.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

1200

1000

800

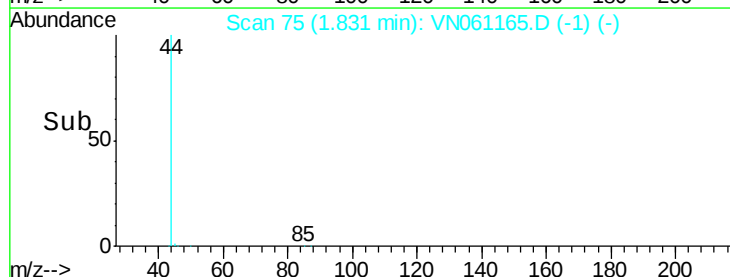
600

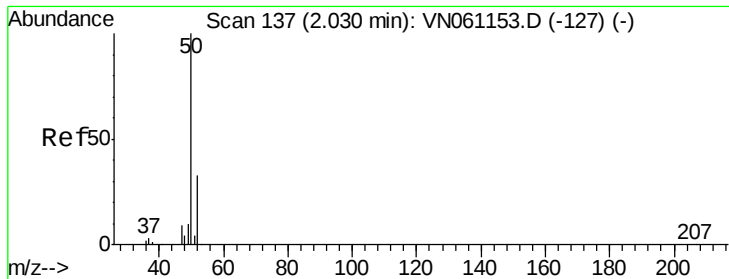
400

200

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.492 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061165.D

Acq: 28 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

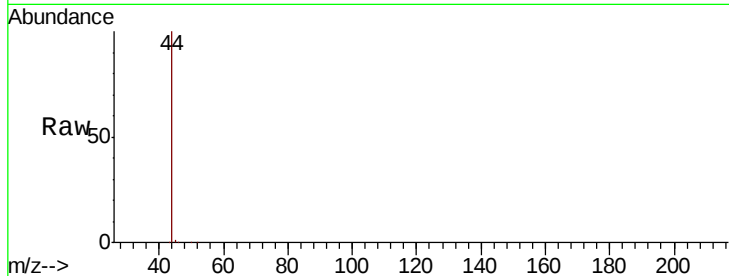
BP-VPB180-GW-538-540

Tot Ion: 50 Resp: 646

Ion Ratio Lower Upper

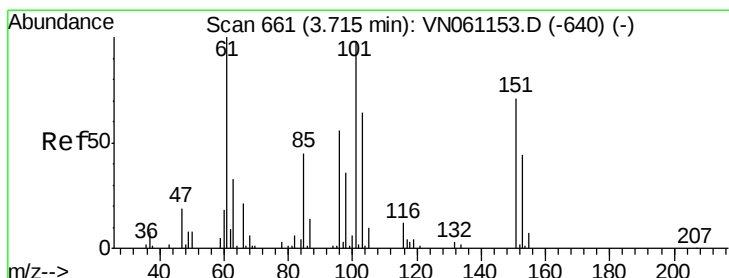
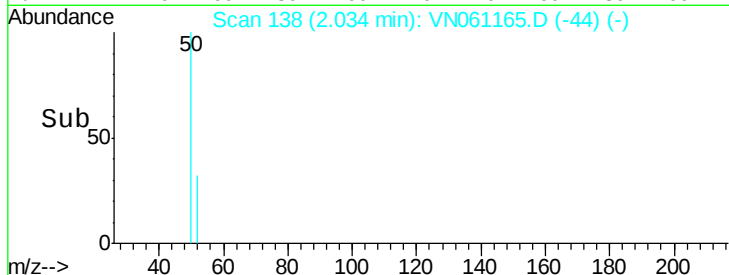
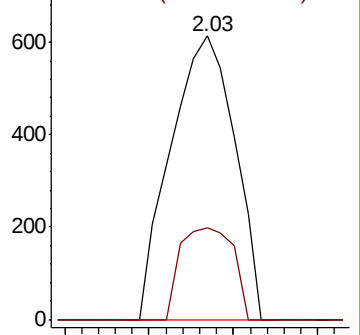
50 100

52 32.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN061165.D (-44) (-)

Ion 51.90 (51.60 to 52.60): VN061165.D (-44) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.003 ug/l

RT: 3.72 min Scan# 663

Delta R.T. 0.01 min

Lab File: VN061165.D

Acq: 28 Apr 2020 15:41

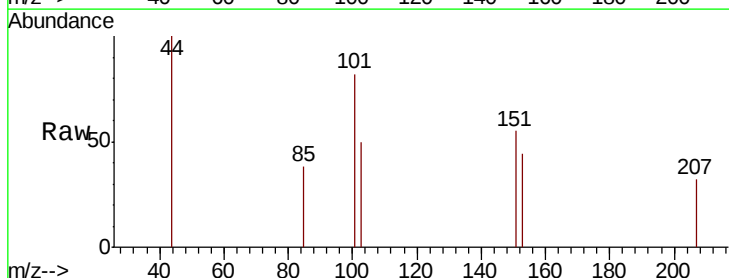
Tgt Ion: 101 Resp: 1087

Ion Ratio Lower Upper

101 100

85 15.0 37.2 55.8#

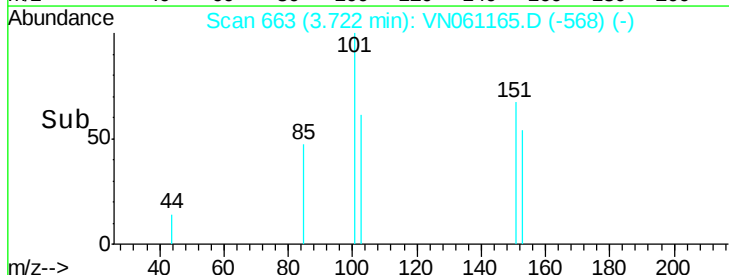
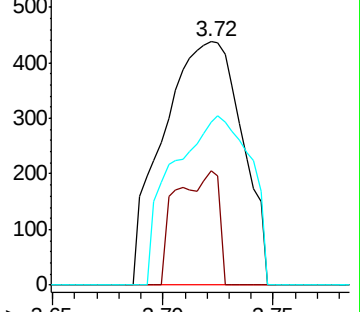
151 68.0 57.7 86.5

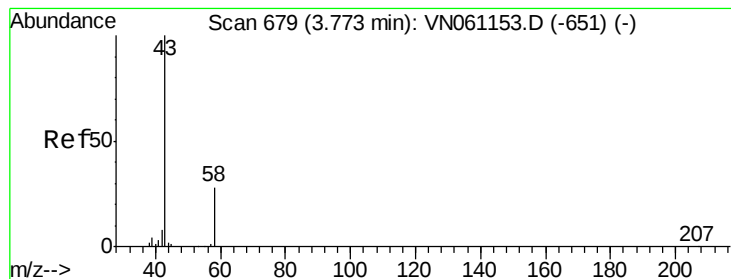


Abundance Ion 100.90 (100.60 to 101.60): VN061165.D (-568) (-)

Ion 84.90 (84.60 to 85.60): VN061165.D (-568) (-)

Ion 150.80 (150.50 to 151.50): VN061165.D (-568) (-)





#16

Acetone

Concen: 5.398 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061165.D

Acq: 28 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

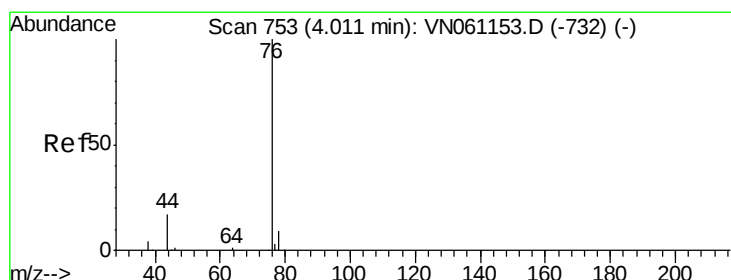
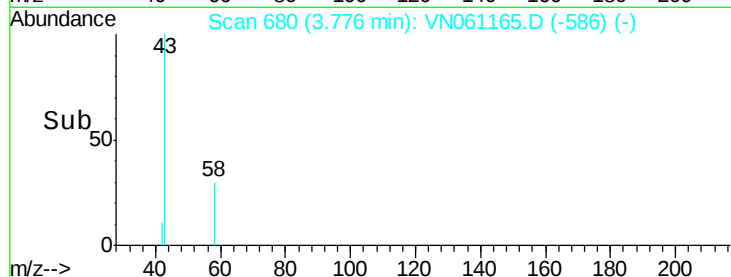
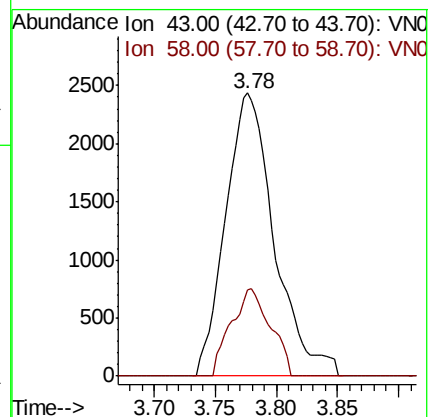
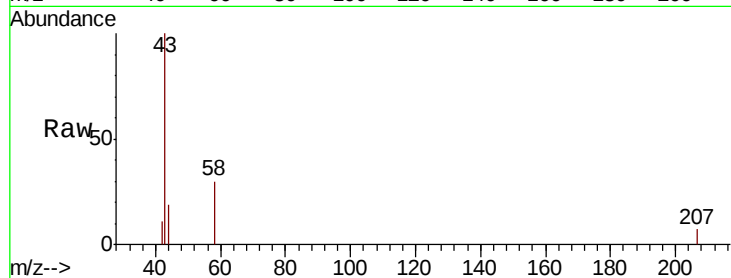
BP-VPB180-GW-538-540

Tot Ion: 43 Resp: 6759

Ion Ratio Lower Upper

43 100

58 30.3 22.2 33.2



#17

Carbon Disulfide

Concen: 0.658 ug/l

RT: 4.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VN061165.D

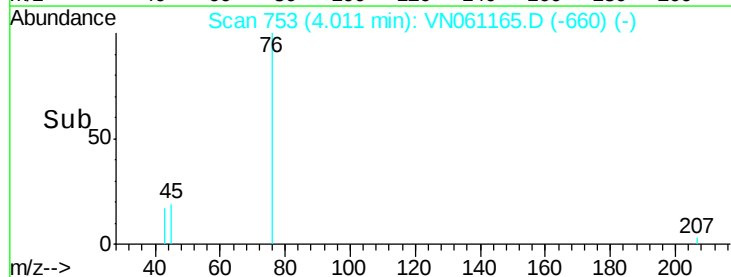
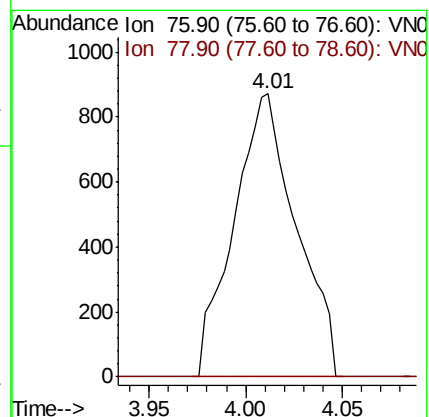
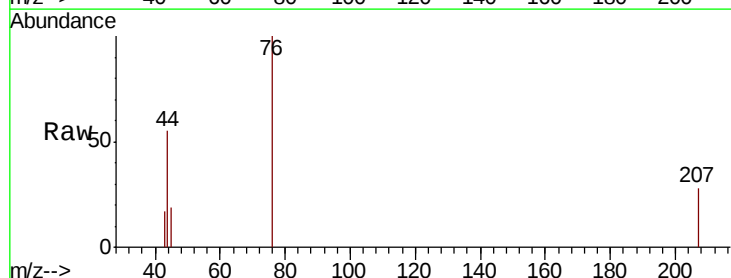
Acq: 28 Apr 2020 15:41

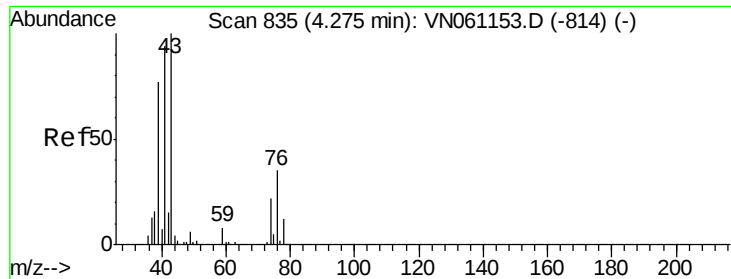
Tgt Ion: 76 Resp: 1961

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

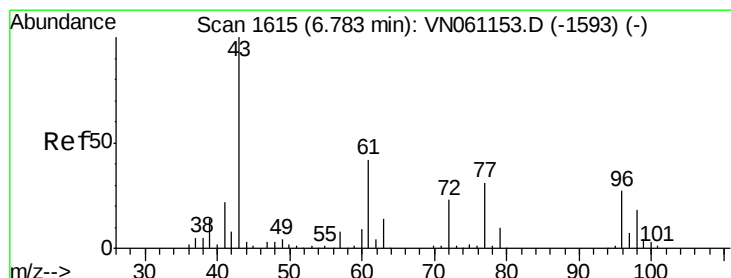
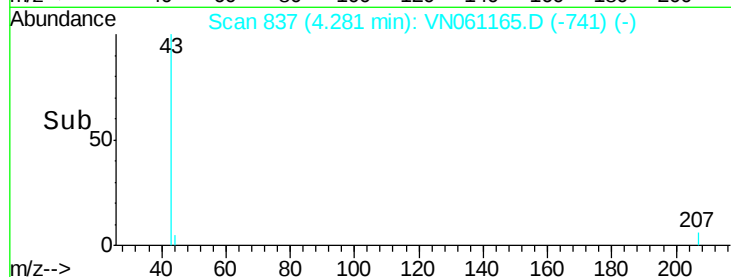
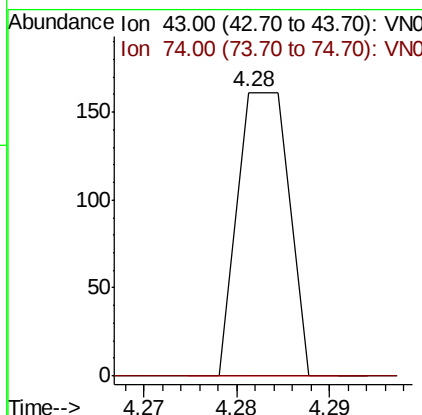
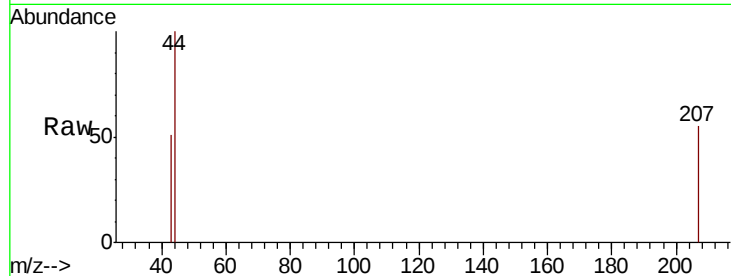




#18
Methvl Acetate
Concen: 0.709 ug/l
RT: 4.28 min Scan# 837
Delta R.T. 0.01 min
Lab File: VN061165.D
Acq: 28 Apr 2020 15:41

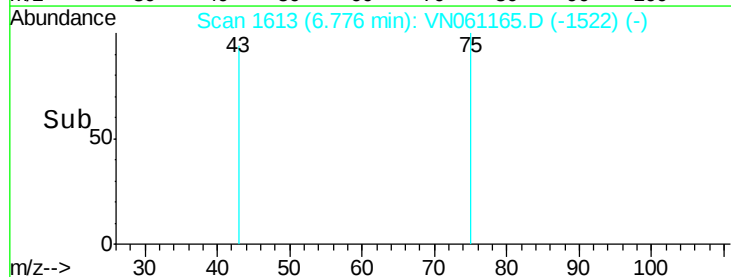
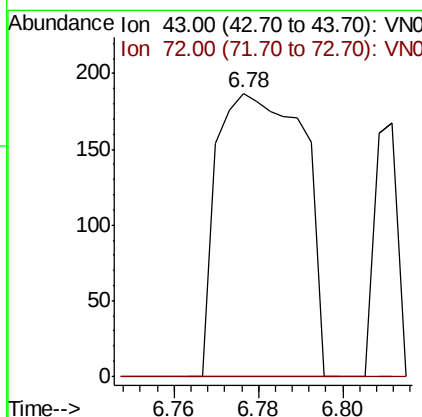
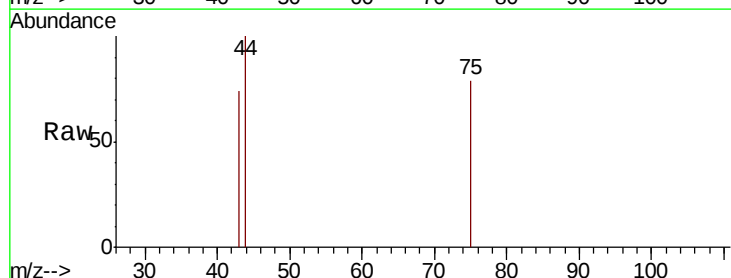
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-538-540

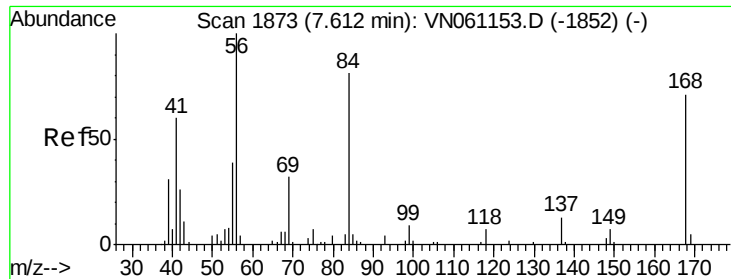
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#25
2-Butanone
Concen: 0.277 ug/l
RT: 6.78 min Scan# 1613
Delta R.T. -0.01 min
Lab File: VN061165.D
Acq: 28 Apr 2020 15:41

Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#

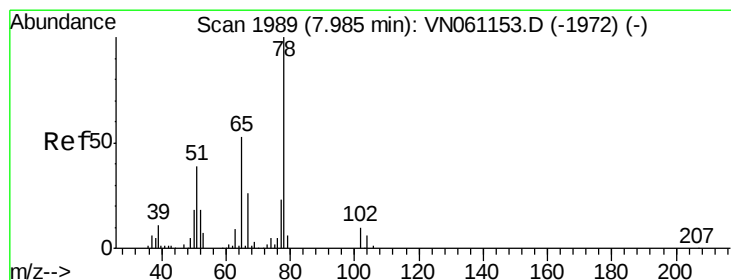
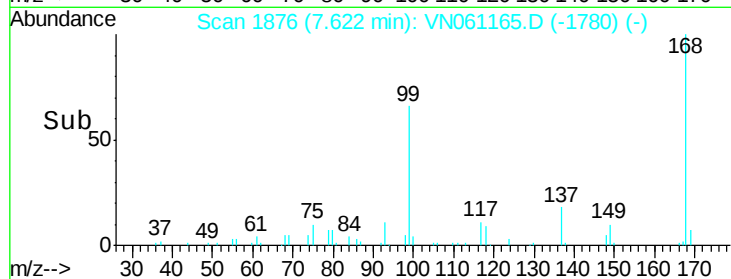
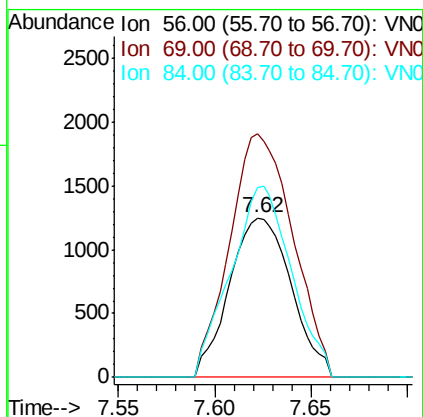
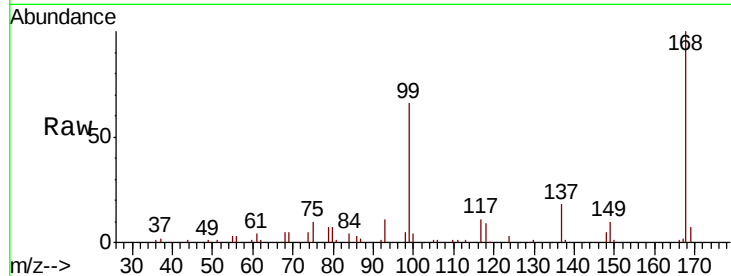




#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061165.D
Acq: 28 Apr 2020 15:41

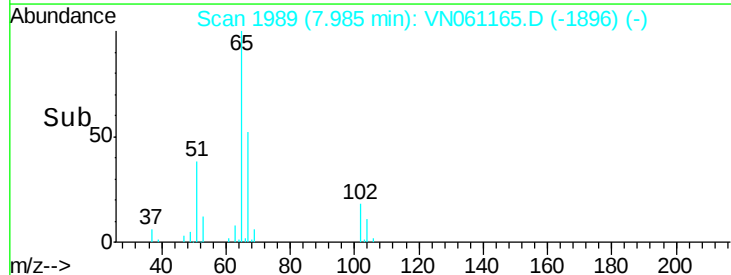
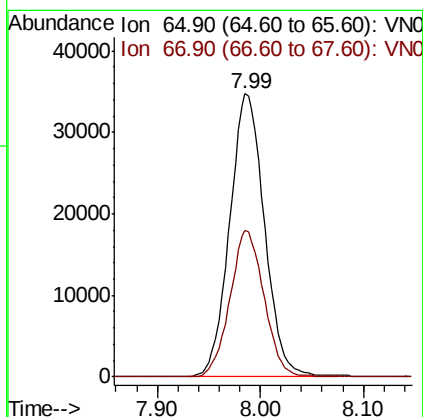
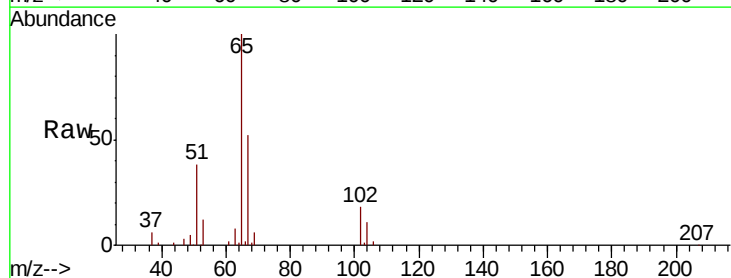
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-538-540

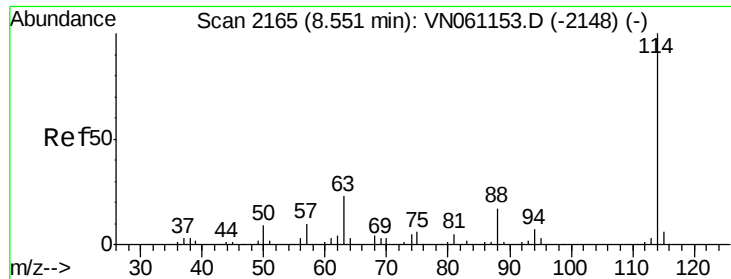
Tot Ion: 56 Resp: 2776
Ion Ratio Lower Upper
56 100
69 152.8 25.7 38.5#
84 119.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.482 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061165.D
Acq: 28 Apr 2020 15:41

Tgt Ion: 65 Resp: 81662
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.6

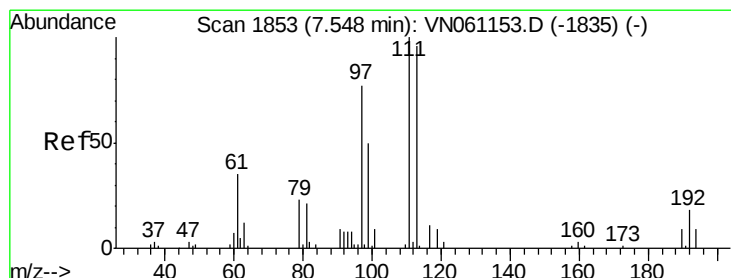
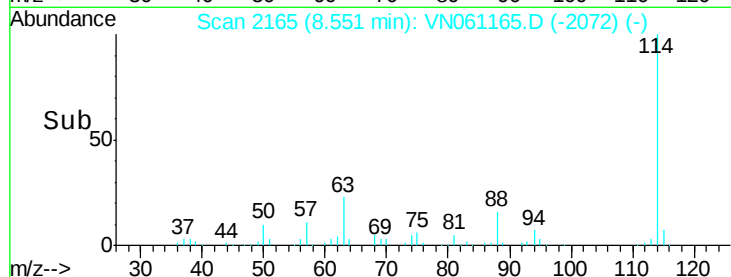
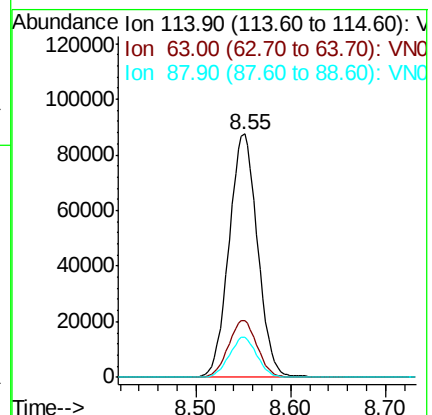
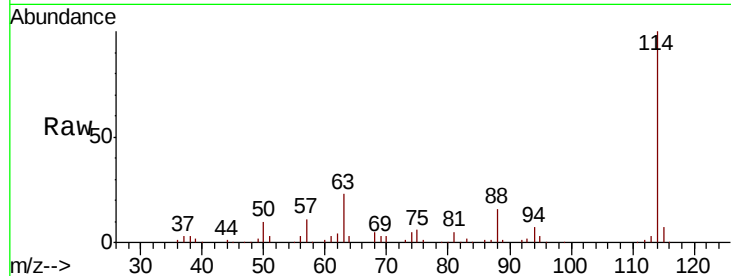




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VN061165.D
Acq: 28 Apr 2020 15:41

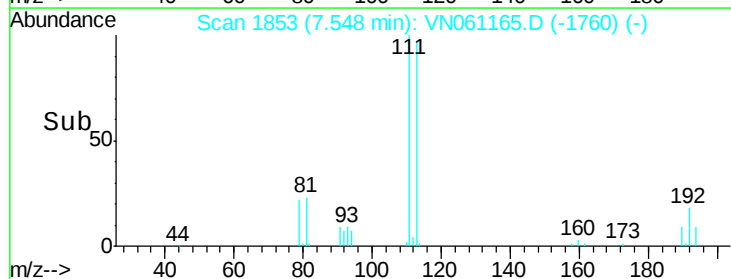
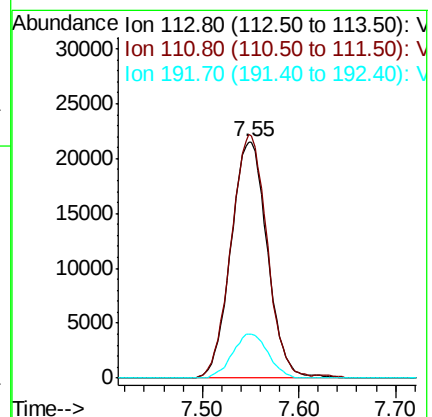
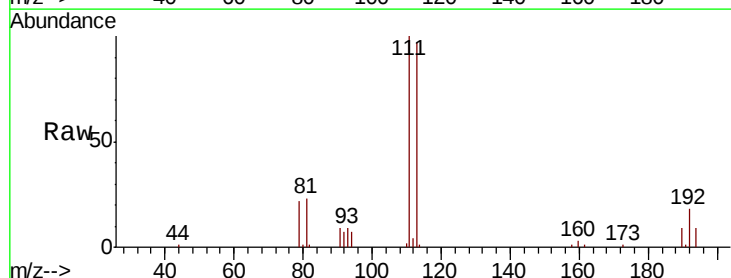
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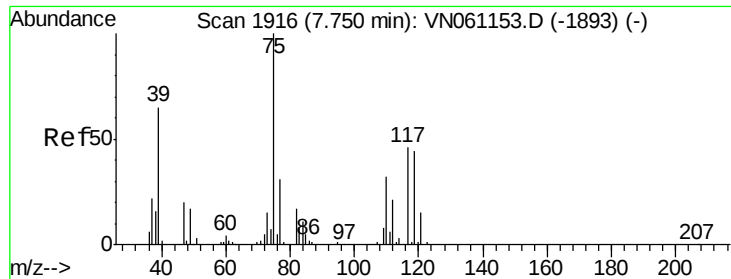
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.6
88	16.4	0.0	33.4



#35
Dibromofluoromethane
Concen: 51.959 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061165.D
Acq: 28 Apr 2020 15:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.9	124.3
192	18.1	14.7	22.1

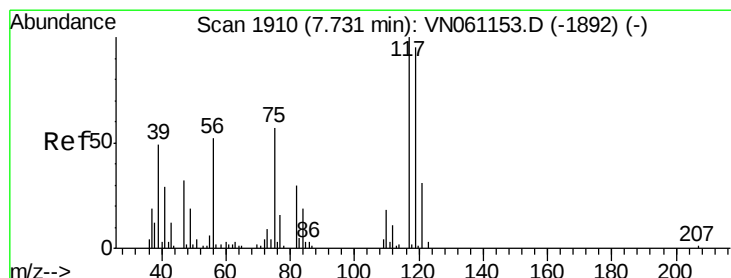
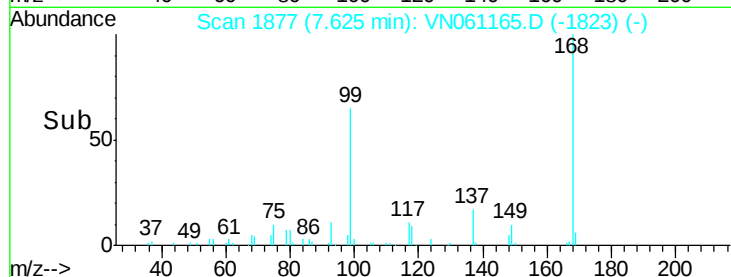
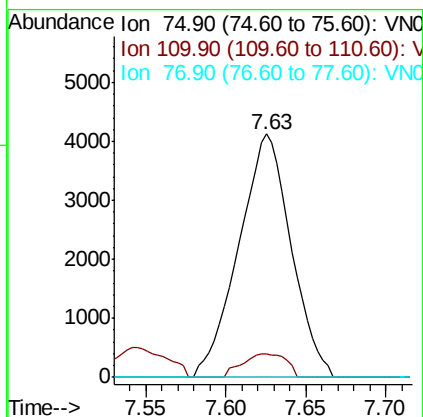
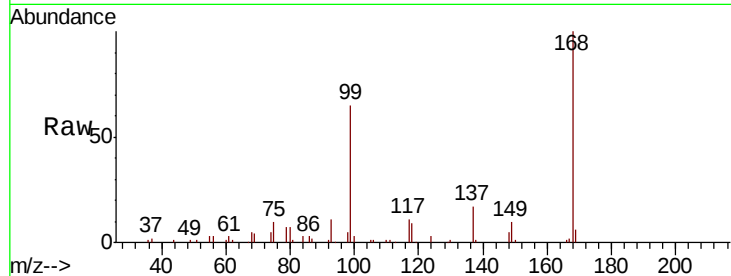




#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061165.D
 Acq: 28 Apr 2020 15:41

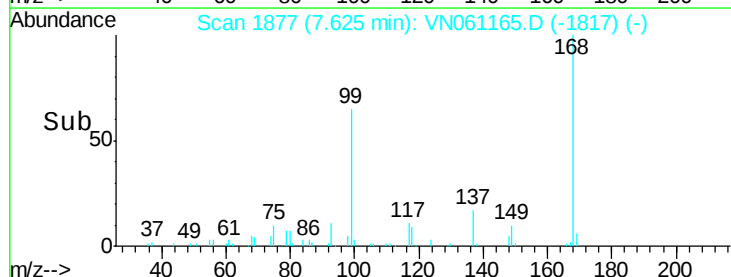
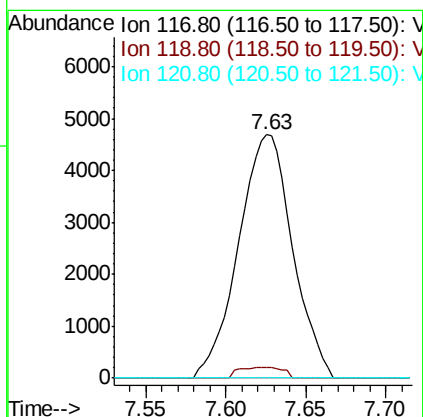
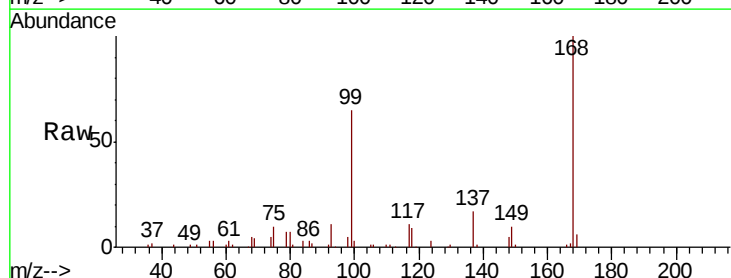
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-538-540

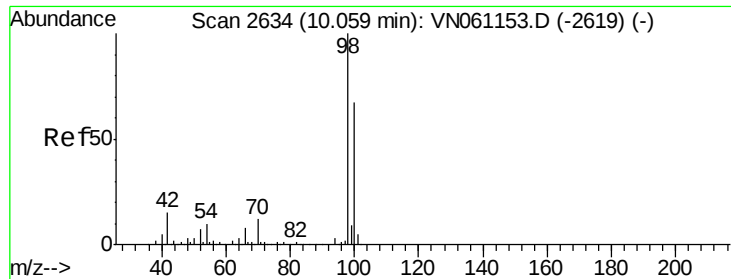
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.0	48.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.385 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061165.D
 Acq: 28 Apr 2020 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 51.163 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061165.D

Acq: 28 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

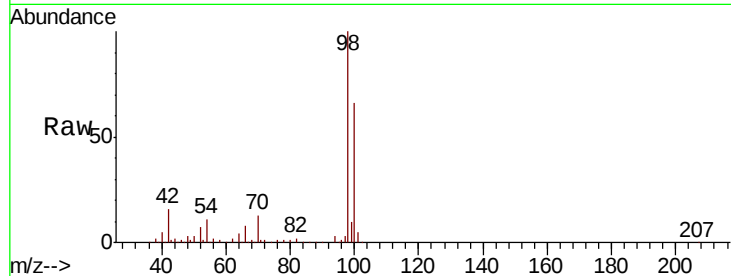
BP-VPB180-GW-538-540

Tot Ion: 98 Resp: 226048

Ion Ratio Lower Upper

98 100

100 65.8 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)

Ion 100.00 (99.70 to 100.70): VN061153.D (-2619) (-)

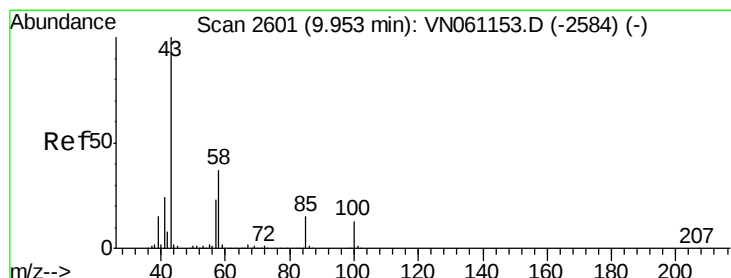
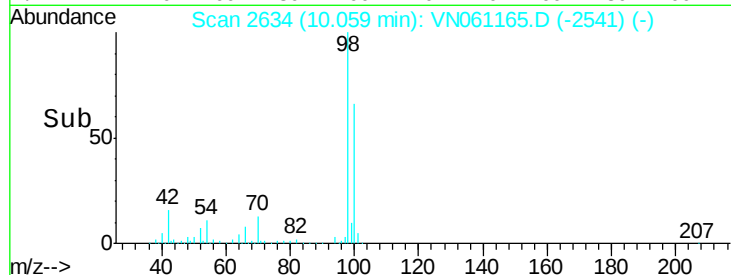
10.06

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.648 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.11 min

Lab File: VN061165.D

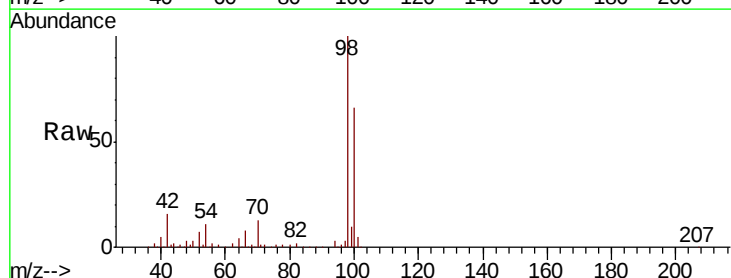
Acq: 28 Apr 2020 15:41

Tgt Ion: 43 Resp: 1362

Ion Ratio Lower Upper

43 100

58 154.3 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

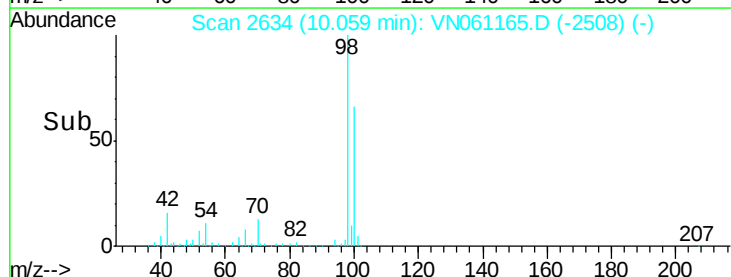
10.06

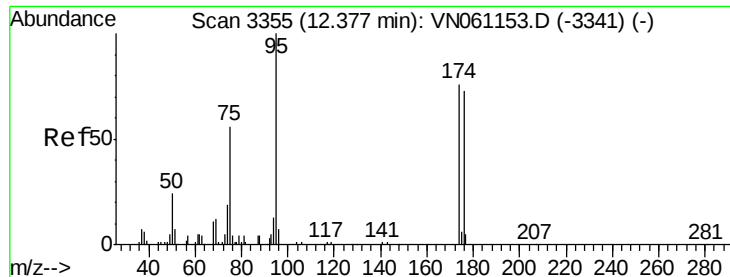
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.227 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN061165.D

Acq: 28 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-538-540

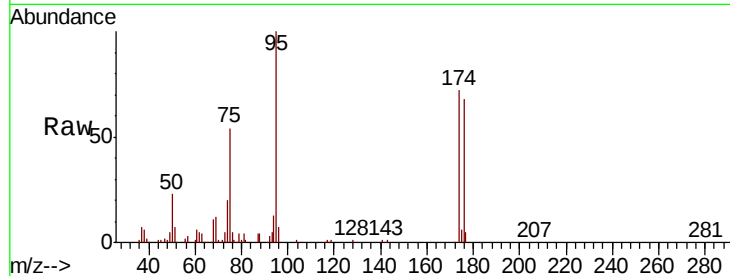
Tot Ion: 95 Resp: 85171

Ion Ratio Lower Upper

95 100

174 73.3 0.0 149.4

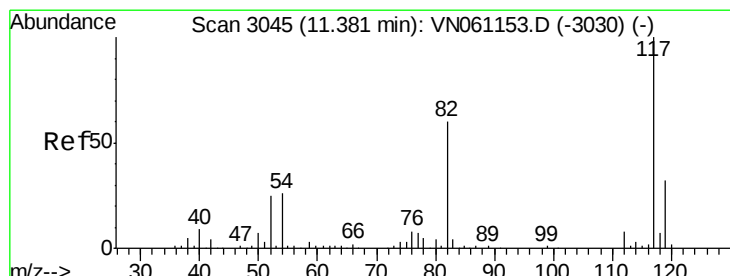
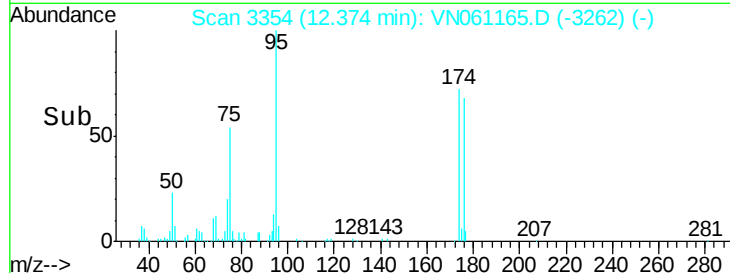
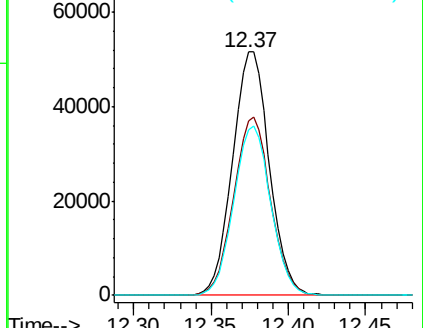
176 70.1 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061165.D

Acq: 28 Apr 2020 15:41

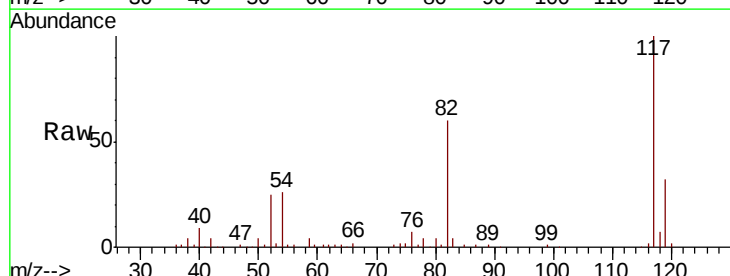
Tgt Ion: 117 Resp: 175229

Ion Ratio Lower Upper

117 100

82 60.2 47.8 71.8

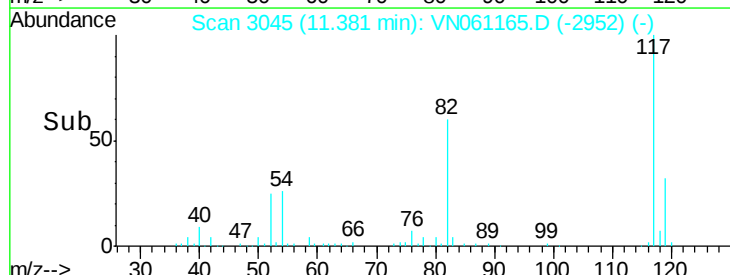
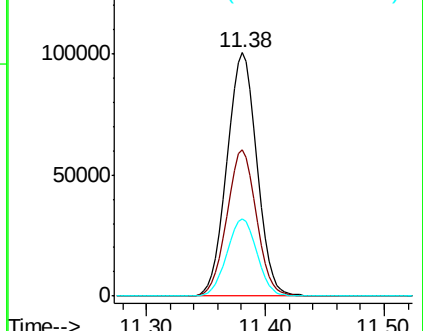
119 31.9 25.8 38.6

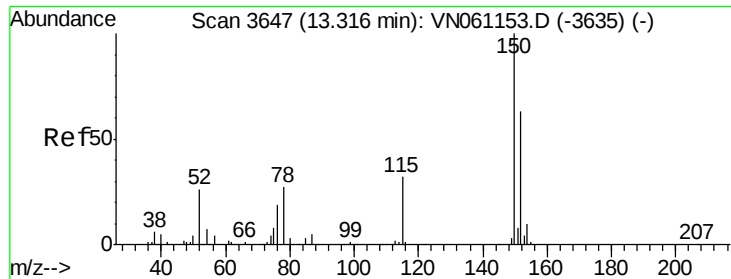


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061165.D

Acq: 28 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-538-540

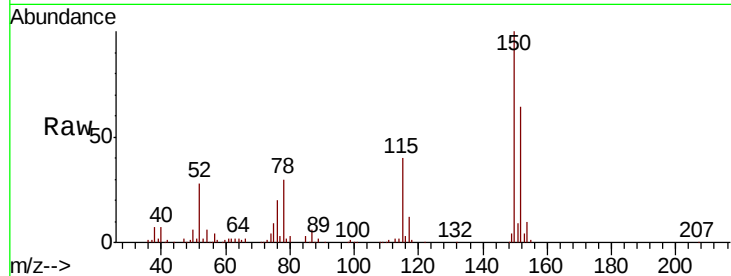
Tot Ion:152 Resp: 78878

Ion Ratio Lower Upper

152 100

115 62.8 31.0 93.0

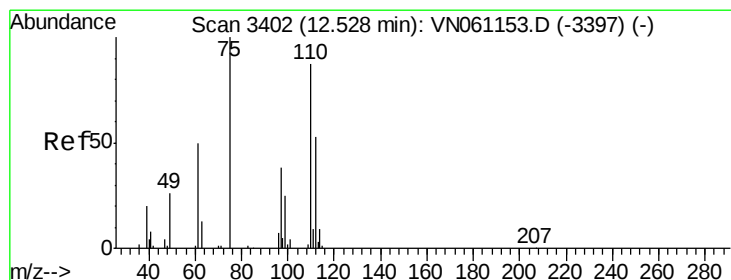
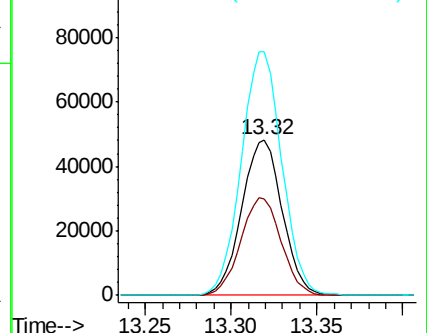
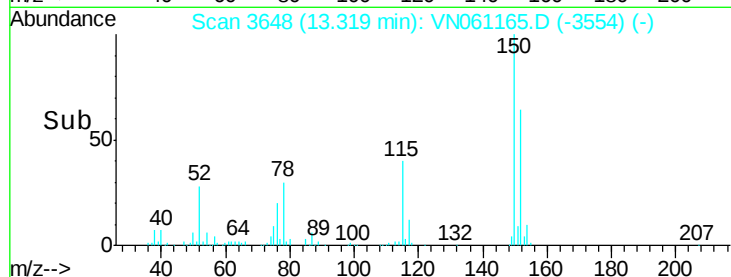
150 157.9 0.0 351.8



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



#76

1,2,3-Trichloropropane

Concen: 28.722 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061165.D

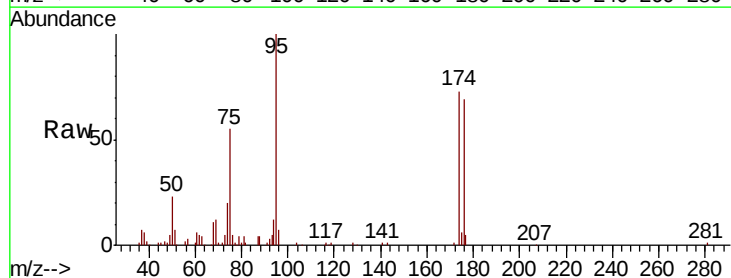
Acq: 28 Apr 2020 15:41

Tgt Ion: 75 Resp: 47763

Ion Ratio Lower Upper

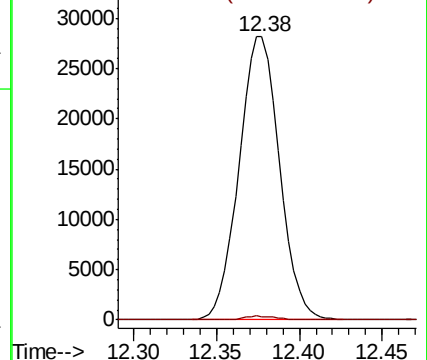
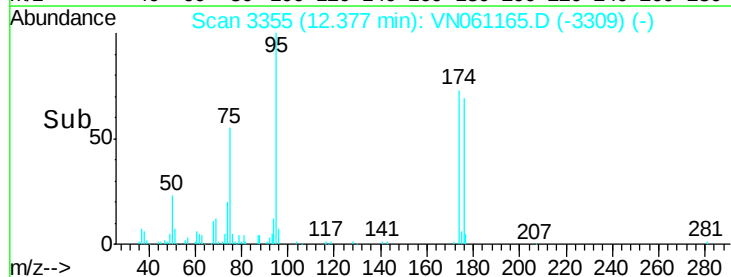
75 100

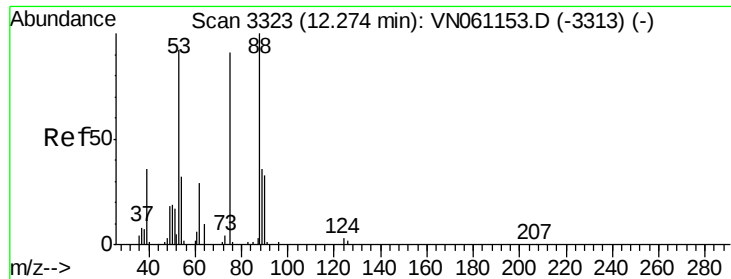
77 1.0 0.0 0.0#



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: 72.938 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061165.D

Acq: 28 Apr 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-538-540

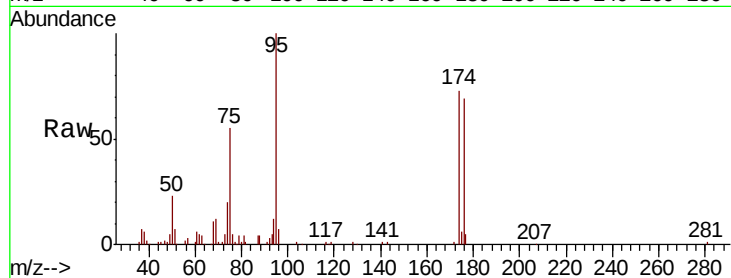
Tot Ion: 75 Resp: 47763

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

