

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042220\
 Data File : VN061139.D
 Acq On : 22 Apr 2020 19:54
 Operator : JC/MD
 Sample : L2337-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-483-485

Quant Time: Apr 29 13:44:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	194040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	319254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	307912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	148343	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.77	65	121092	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
35) Dibromofluoromethane	7.31	113	91082	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	9.88	98	393160	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.21	95	152099	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	

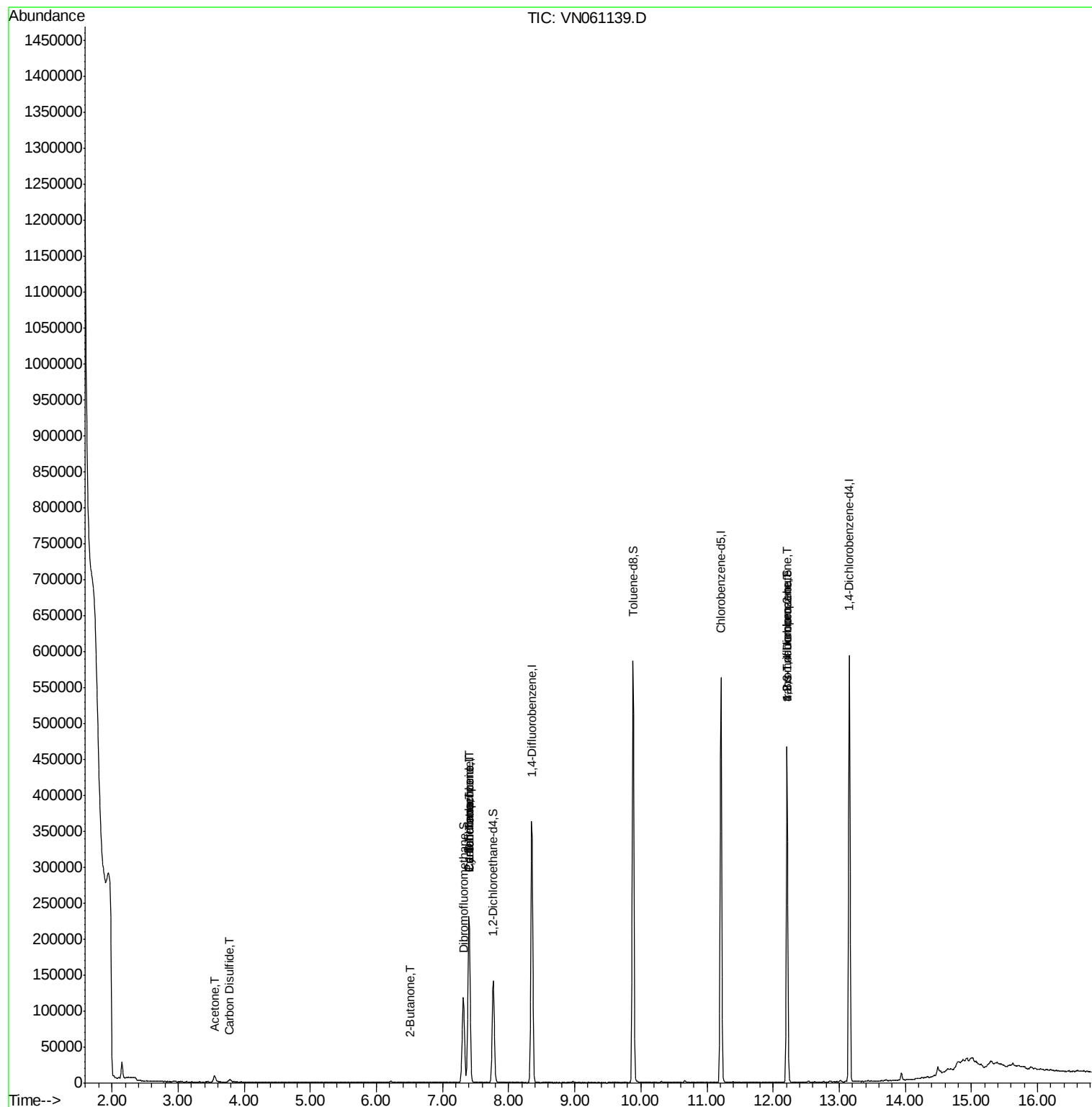
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.55	43	14467	2.75	ug/l	98
17) Carbon Disulfide	3.78	76	5026	0.87	ug/l	97
18) Methyl Acetate	4.00	43	39	Below Cal	#	51
25) 2-Butanone	6.50	43	349	0.25	ug/l	# 49
31) Cyclohexane	7.40	56	4043	1.02	ug/l	# 1
36) 1,1-Dichloropropene	7.40	75	14613	4.68	ug/l	# 48
38) Carbon Tetrachloride	7.40	117	18473	6.76	ug/l	# 15
49) 1,4-Dioxane	8.97	88	1016	Below Cal		93
76) 1,2,3-Trichloropropane	12.21	75	77578	22.67	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.21	75	77578	59.54	ug/l	# 12

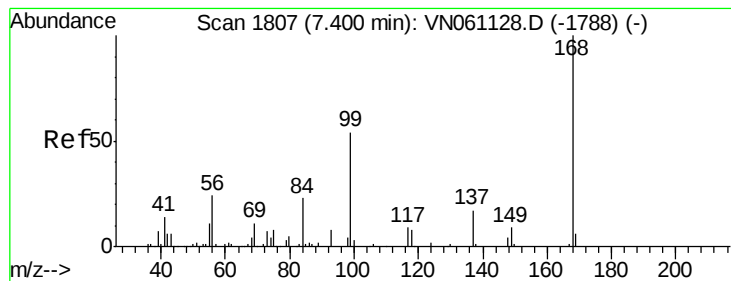
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 22 15:26:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN061139.D

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Instrument :

MSVOA_N

ClientSampleId :

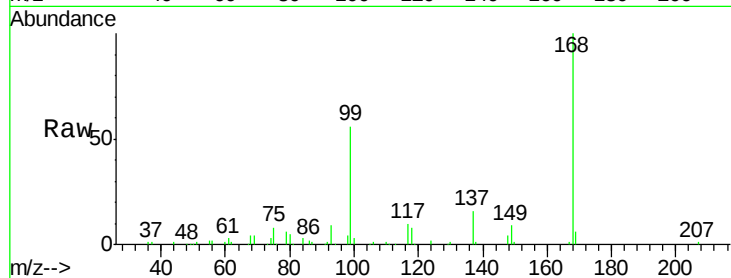
BP-VPB180-GW-483-485

Tgt Ion:168 Resp: 194040

Ion Ratio Lower Upper

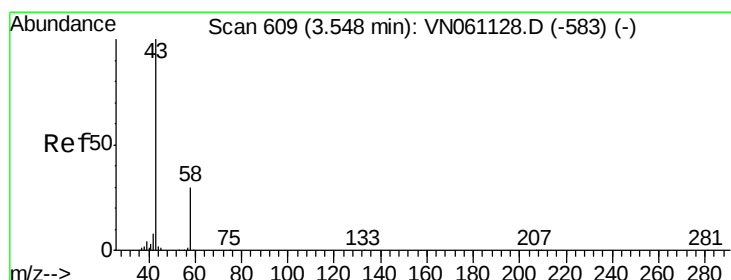
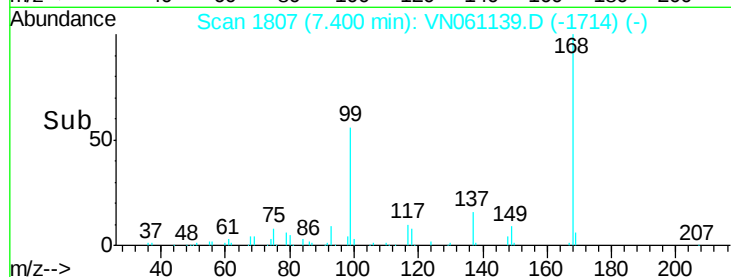
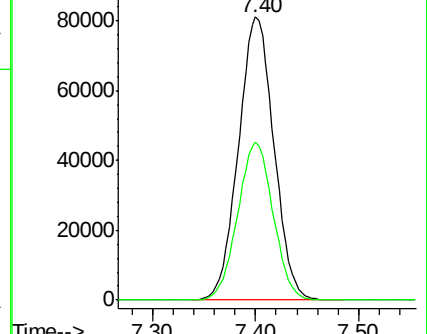
168 100

99 55.7 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 2.75 ug/l

RT: 3.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN061139.D

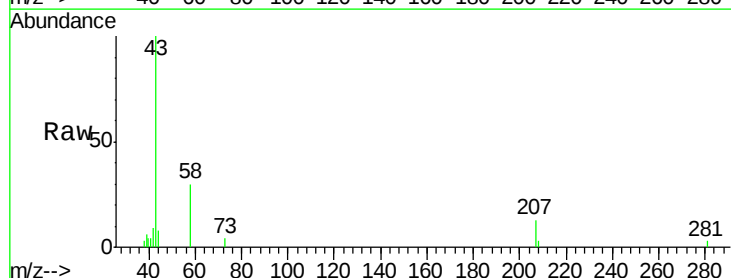
Acq: 22 Apr 2020 19:54

Tgt Ion: 43 Resp: 14467

Ion Ratio Lower Upper

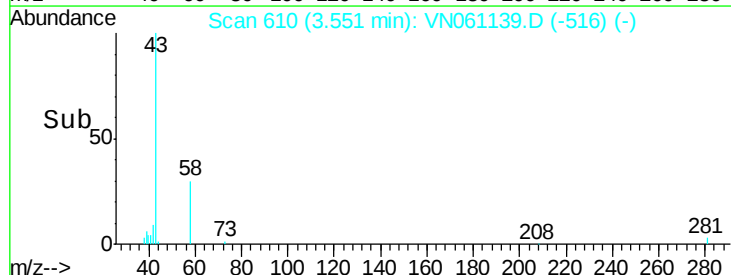
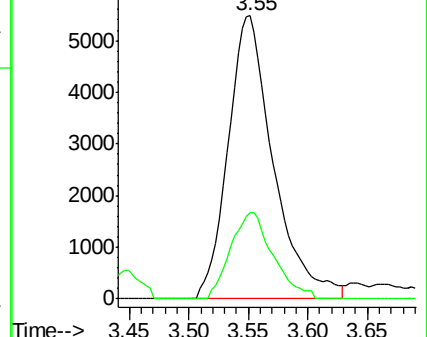
43 100

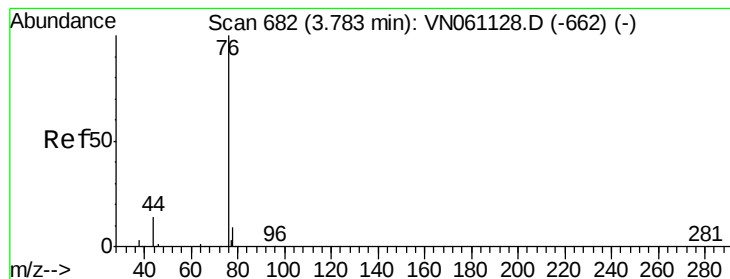
58 30.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 0.87 ug/l

RT: 3.78 min Scan# 682

Delta R.T. 0.00 min

Lab File: VN061139.D

Acq: 22 Apr 2020 19:54

Instrument :

MSVOA_N

ClientSampleId :

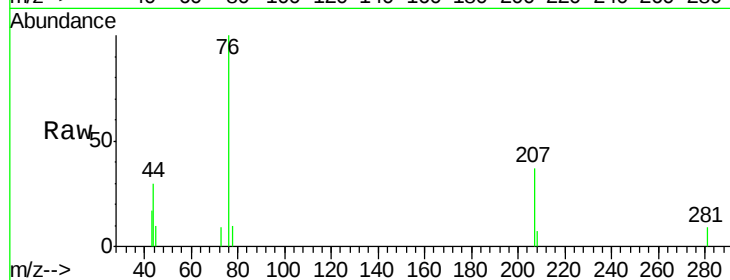
BP-VPB180-GW-483-485

Tgt Ion: 76 Resp: 5026

Ion Ratio Lower Upper

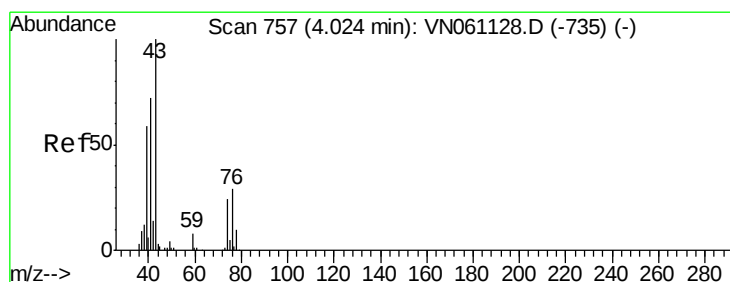
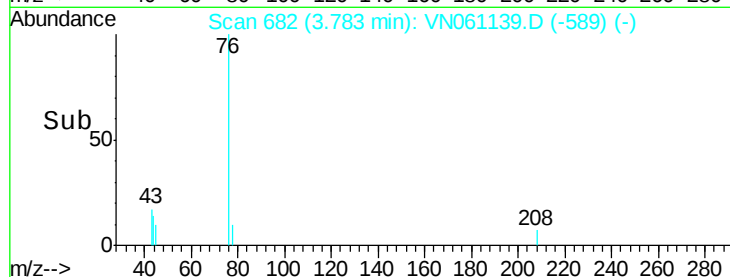
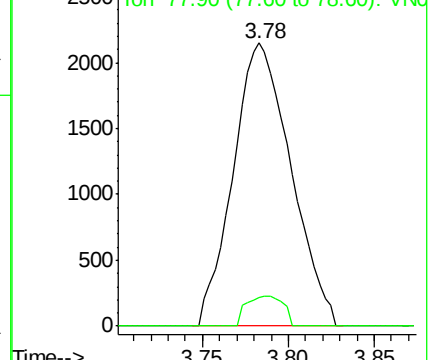
76 100

78 10.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.00 min Scan# 749

Delta R.T. -0.03 min

Lab File: VN061139.D

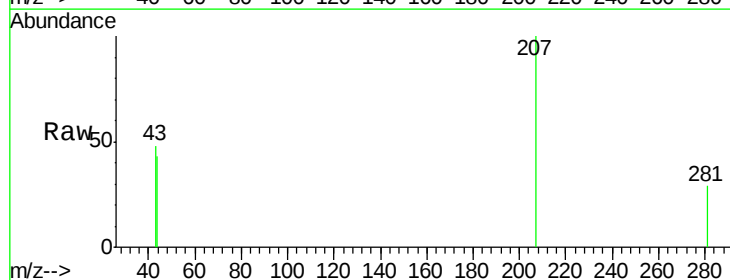
Acq: 22 Apr 2020 19:54

Tgt Ion: 43 Resp: 39

Ion Ratio Lower Upper

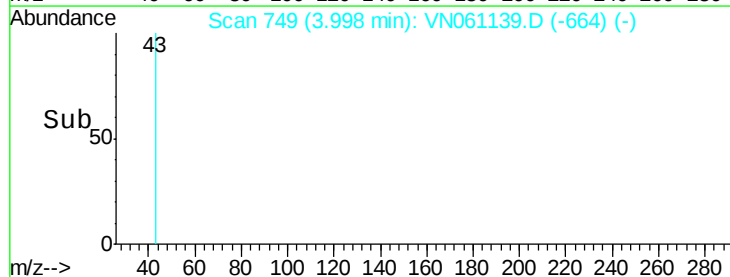
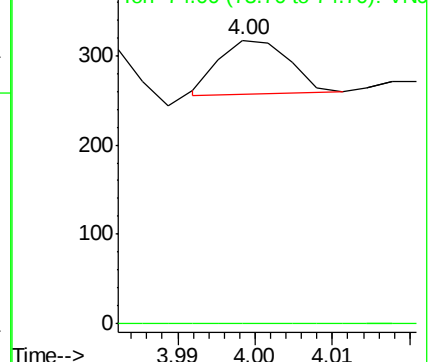
43 100

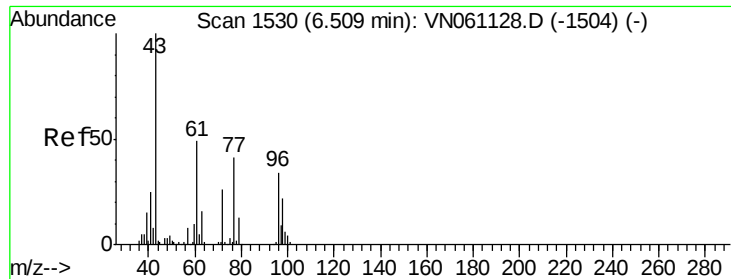
74 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

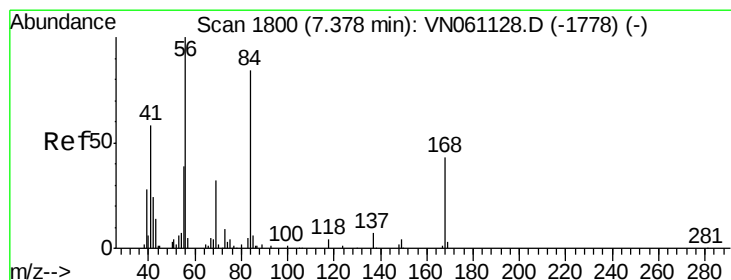
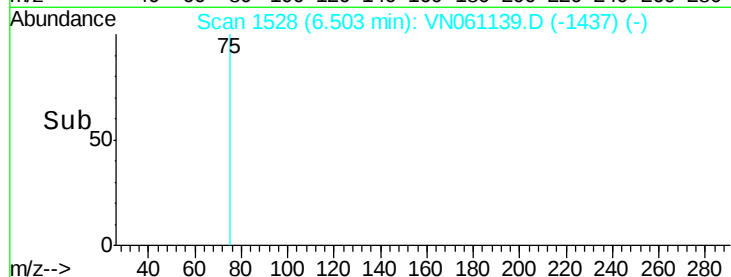
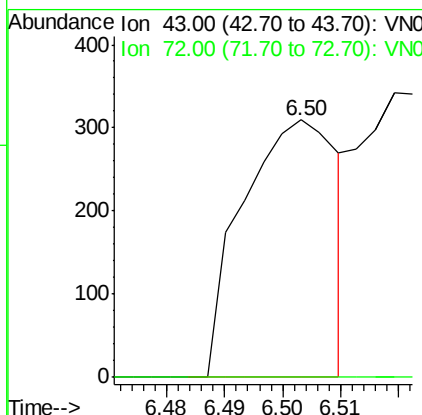
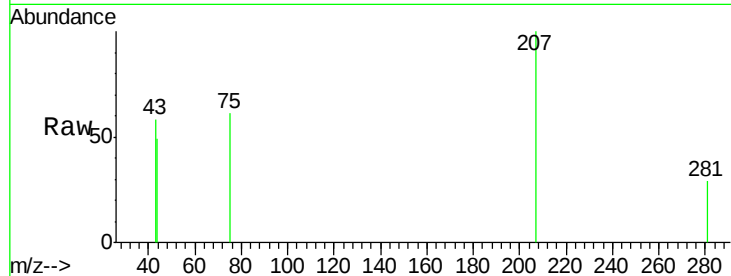




#25
2-Butanone
Concen: 0.25 ug/l
RT: 6.50 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VN061139.D
Acq: 22 Apr 2020 19:54

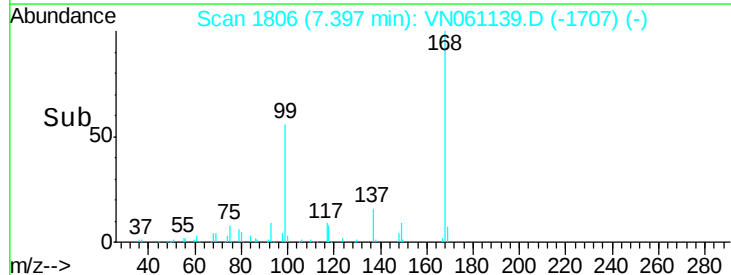
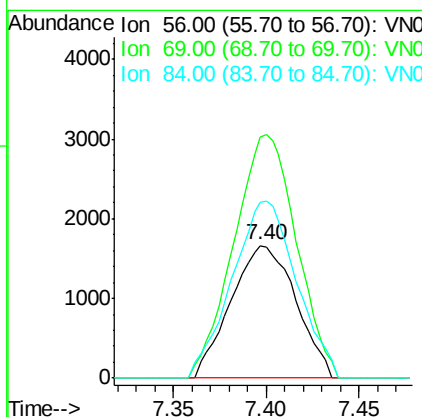
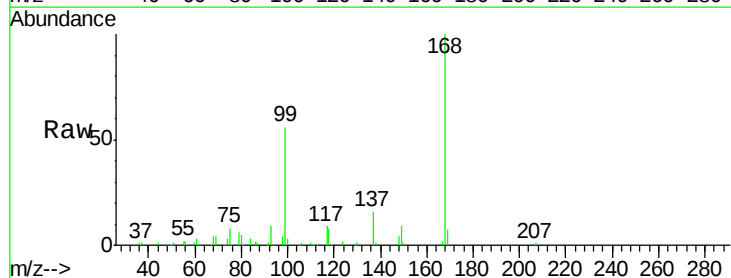
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-483-485

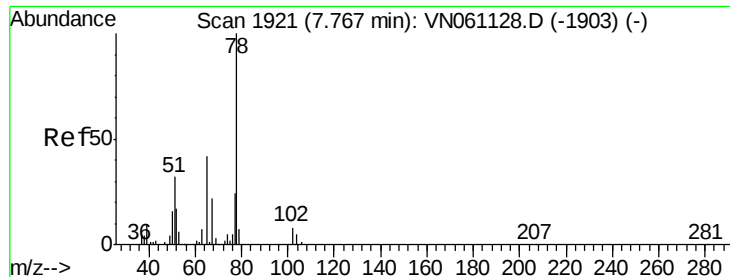
Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.40 min Scan# 1806
Delta R.T. 0.02 min
Lab File: VN061139.D
Acq: 22 Apr 2020 19:54

Tgt Ion: 56 Resp: 4043
Ion Ratio Lower Upper
56 100
69 181.3 25.9 38.9#
84 132.8 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 47.06 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VN061139.D

Acq: 22 Apr 2020 19:54

Instrument :

MSVOA_N

ClientSampleId :

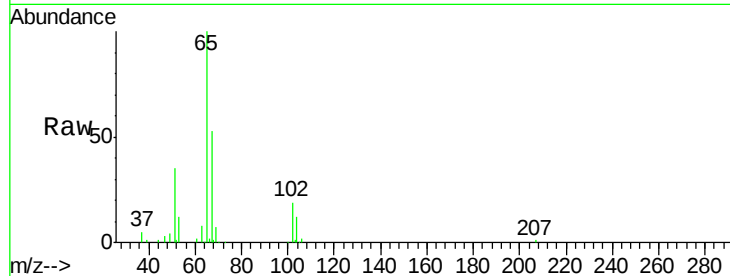
BP-VPB180-GW-483-485

Tgt Ion: 65 Resp: 121092

Ion Ratio Lower Upper

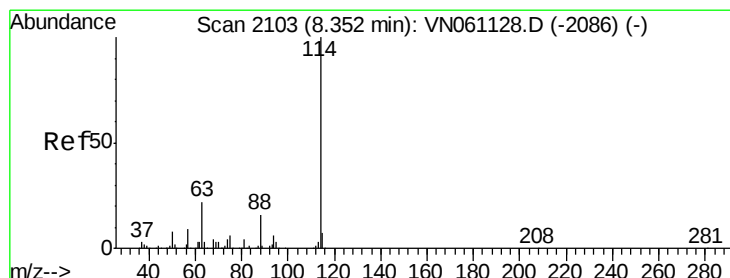
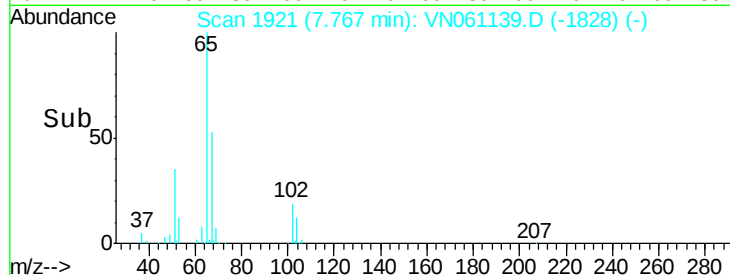
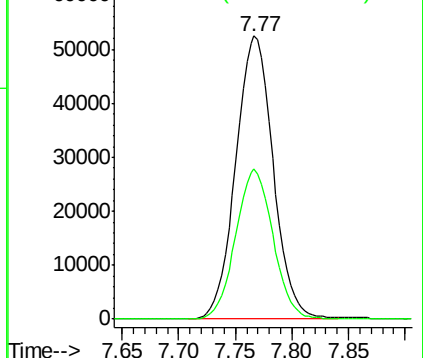
65 100

67 52.8 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN061139.D (-1828) (-)

Ion 66.90 (66.60 to 67.60): VN061139.D (-1828) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.35 min Scan# 2102

Delta R.T. -0.00 min

Lab File: VN061139.D

Acq: 22 Apr 2020 19:54

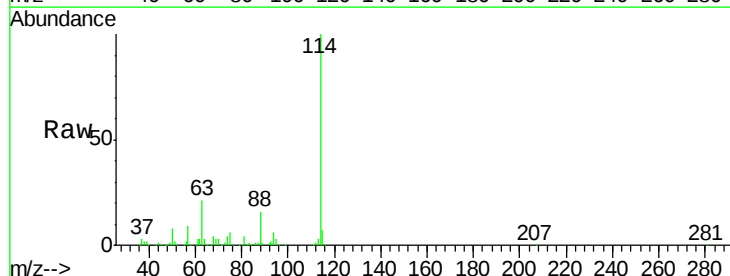
Tgt Ion: 114 Resp: 319254

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

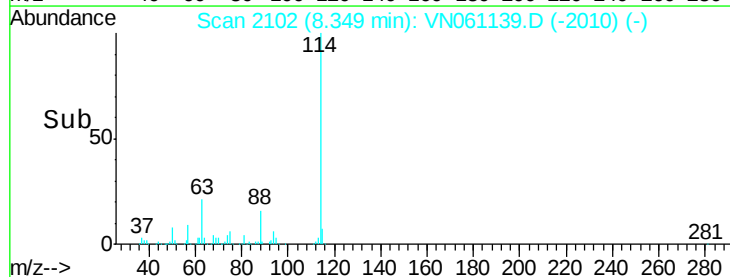
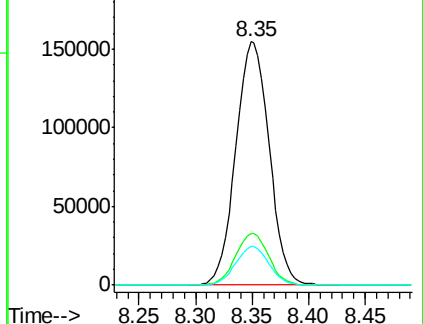
88 16.0 0.0 32.4

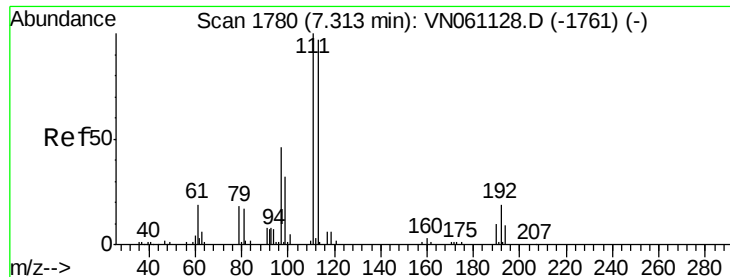


Abundance Ion 113.90 (113.60 to 114.60): VN061139.D (-2010) (-)

Ion 63.00 (62.70 to 63.70): VN061139.D (-2010) (-)

Ion 87.90 (87.60 to 88.60): VN061139.D (-2010) (-)

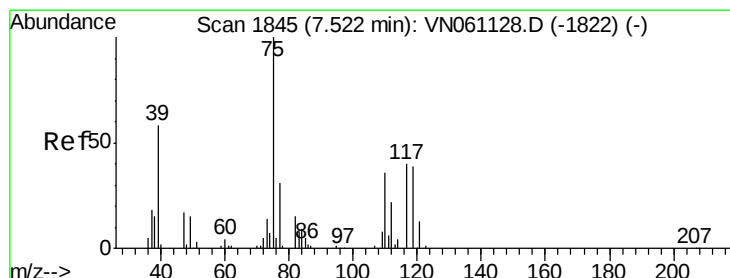
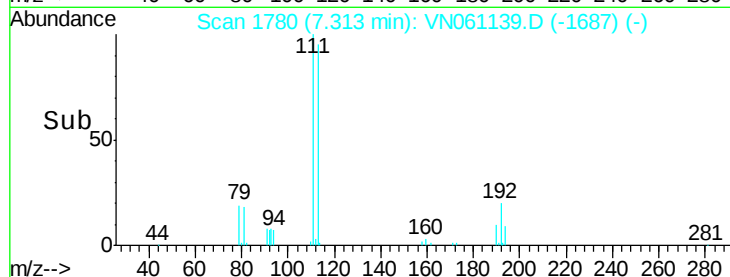
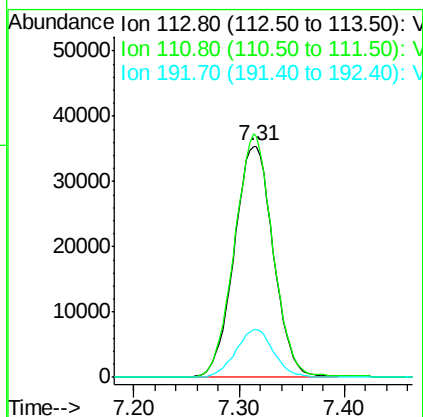
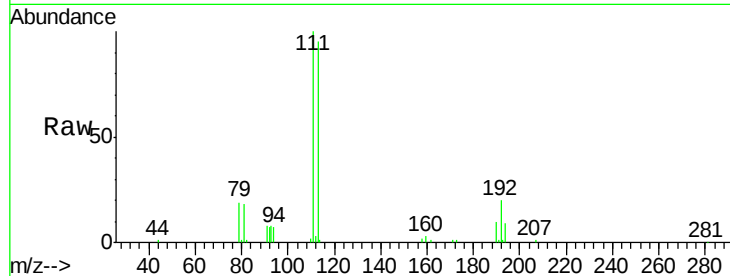




#35
 Dibromofluoromethane
 Concen: 49.99 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: VN061139.D
 Acq: 22 Apr 2020 19:54

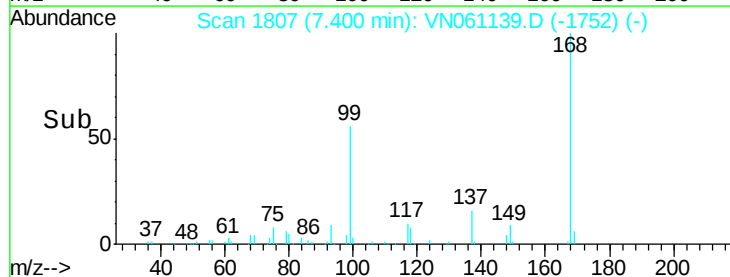
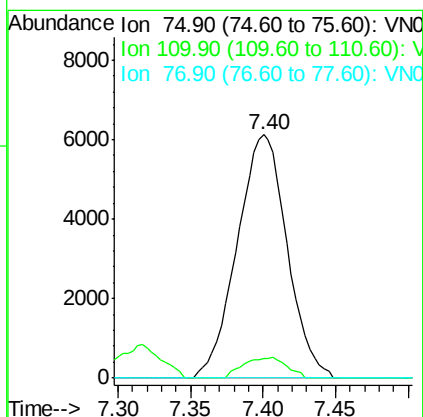
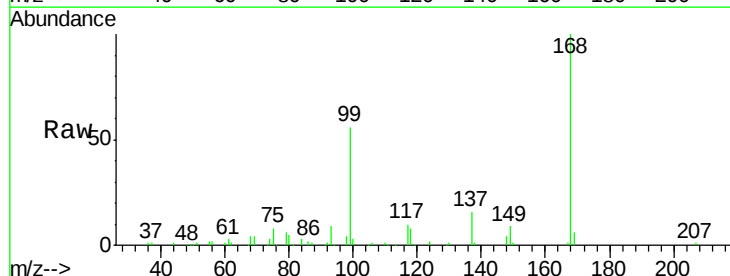
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-483-485

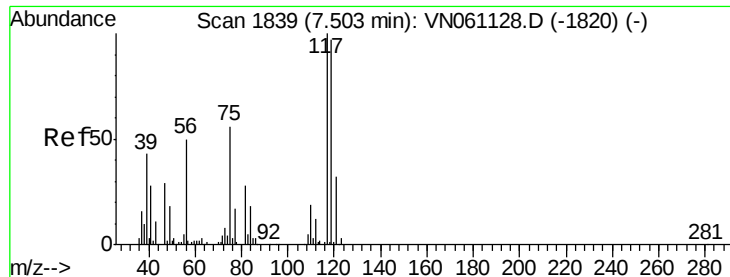
Tgt Ion:113 Resp: 91082
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.0 124.6
 192 20.0 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.68 ug/l
 RT: 7.40 min Scan# 1807
 Delta R.T. -0.12 min
 Lab File: VN061139.D
 Acq: 22 Apr 2020 19:54

Tgt Ion: 75 Resp: 14613
 Ion Ratio Lower Upper
 75 100
 110 7.3 17.7 53.1#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.76 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.10 min

Lab File: VN061139.D

Acq: 22 Apr 2020 19:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-483-485

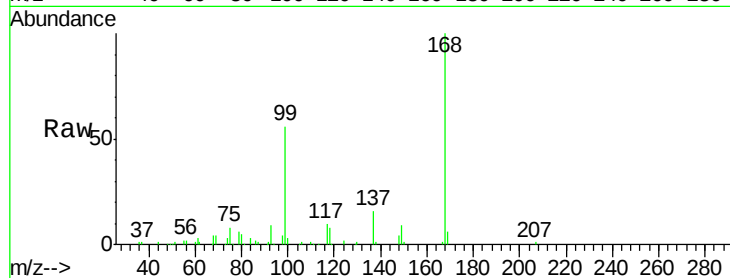
Tgt Ion:117 Resp: 18473

Ion Ratio Lower Upper

117 100

119 4.1 76.9 115.3#

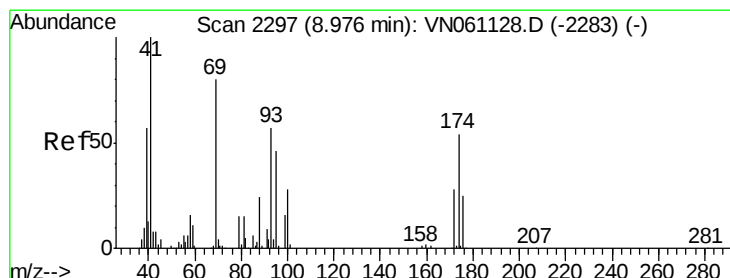
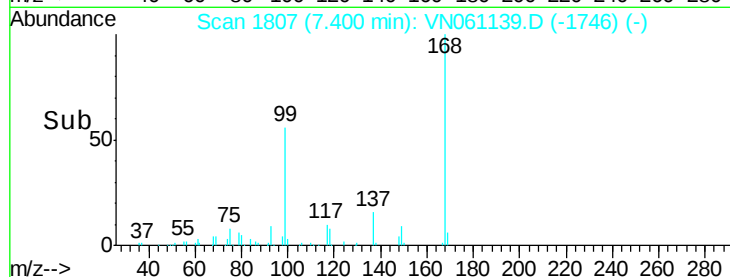
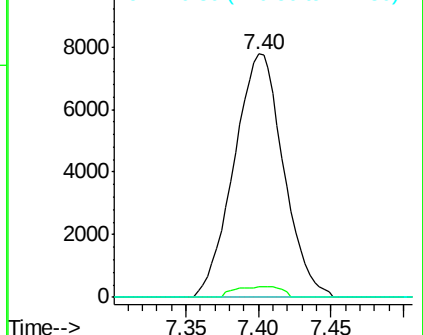
121 0.0 25.0 37.6#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 8.97 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VN061139.D

Acq: 22 Apr 2020 19:54

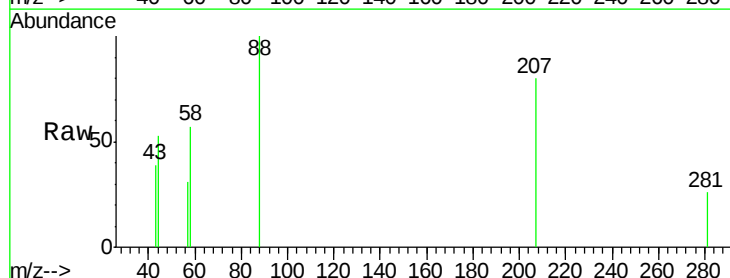
Tgt Ion: 88 Resp: 1016

Ion Ratio Lower Upper

88 100

43 36.1 29.0 43.4

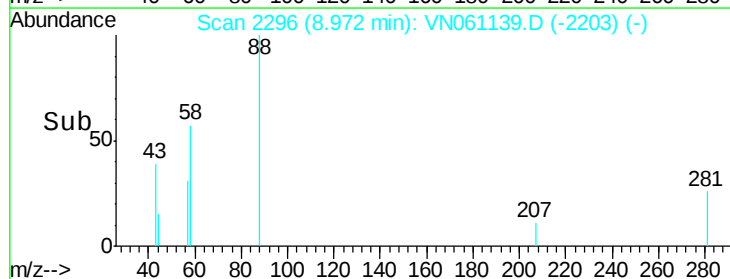
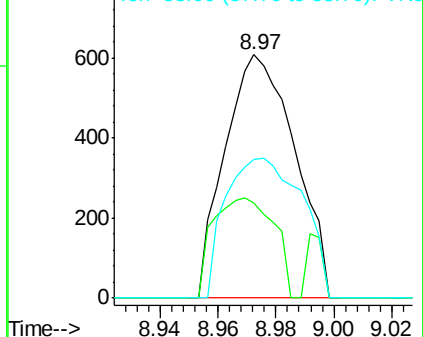
58 63.1 57.8 86.6

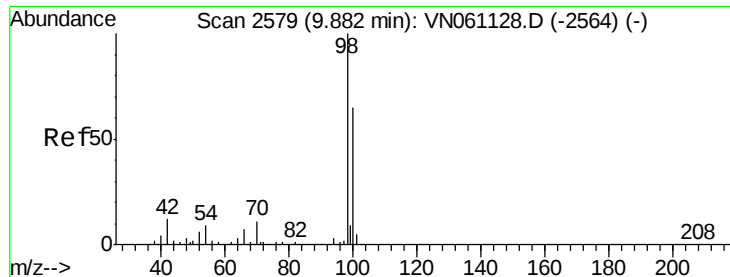


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 50.36 ug/l

RT: 9.88 min Scan# 2579

Delta R.T. 0.00 min

Lab File: VN061139.D

Acq: 22 Apr 2020 19:54

Instrument :

MSVOA_N

ClientSampleId :

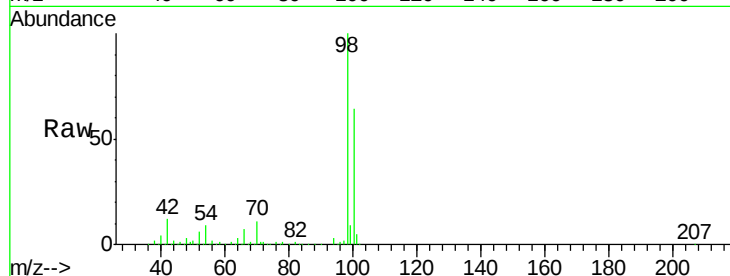
BP-VPB180-GW-483-485

Tgt Ion: 98 Resp: 393160

Ion Ratio Lower Upper

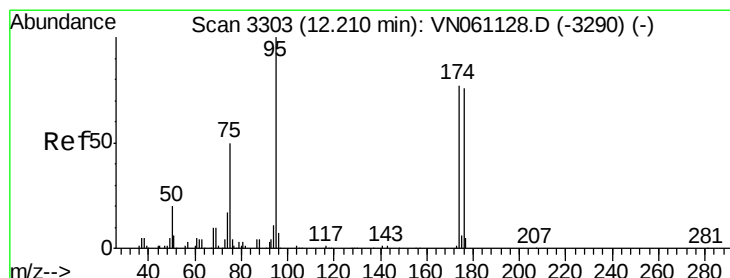
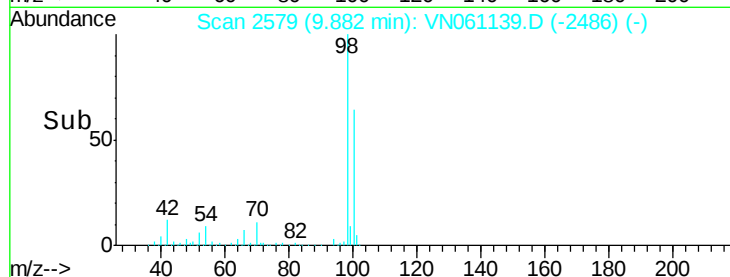
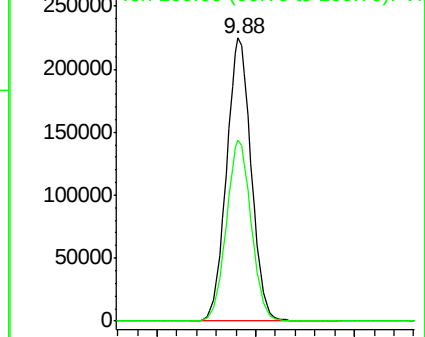
98 100

100 64.3 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 52.02 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061139.D

Acq: 22 Apr 2020 19:54

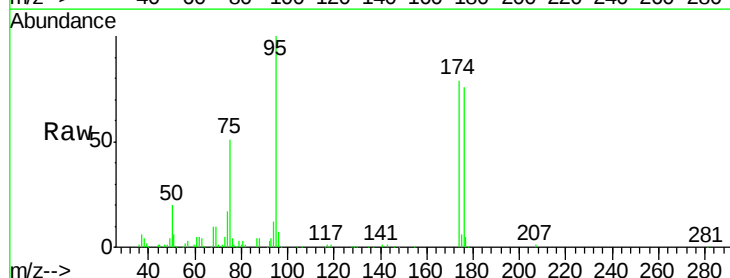
Tgt Ion: 95 Resp: 152099

Ion Ratio Lower Upper

95 100

174 80.5 0.0 157.6

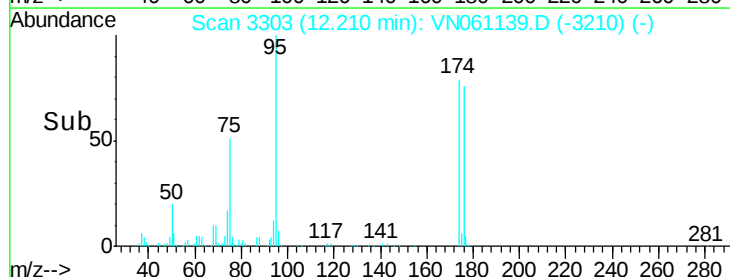
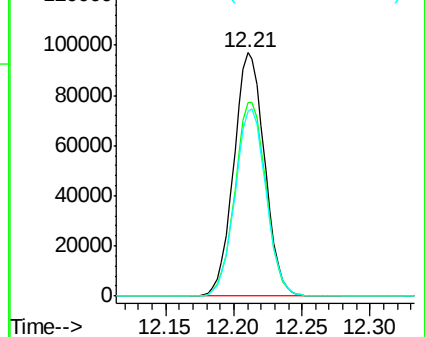
176 77.6 0.0 154.4

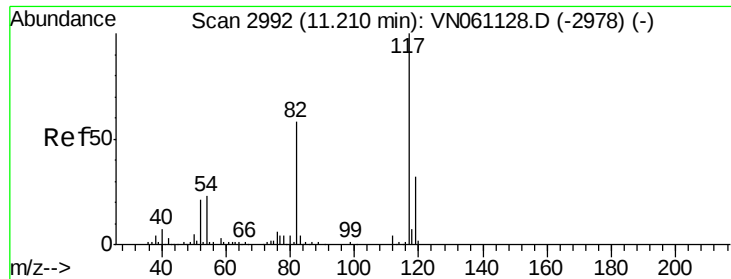


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

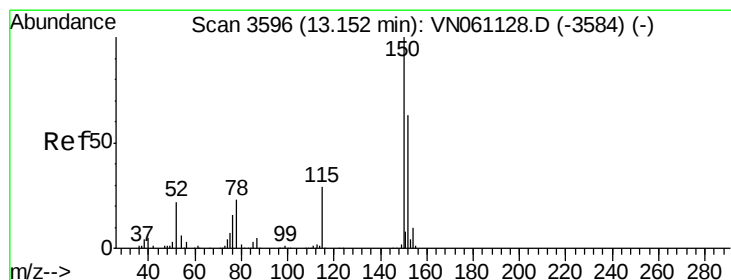
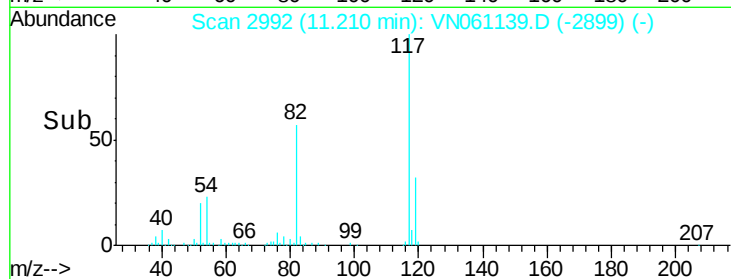
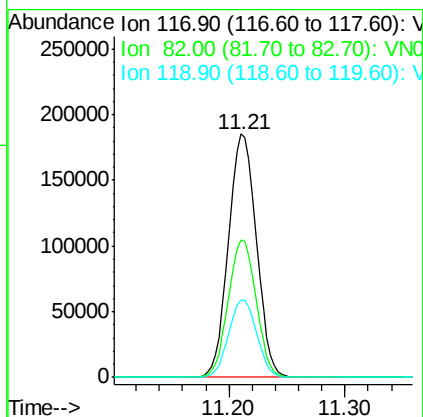
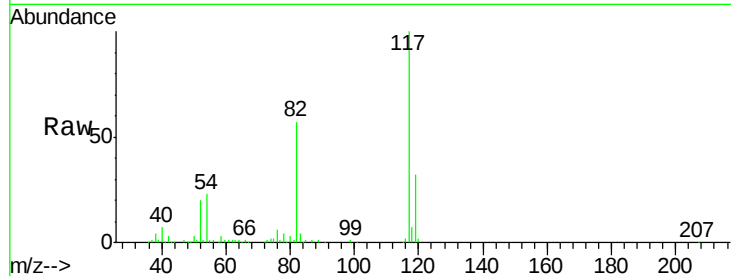




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.21 min Scan# 2992
Delta R.T. 0.00 min
Lab File: VN061139.D
Acq: 22 Apr 2020 19:54

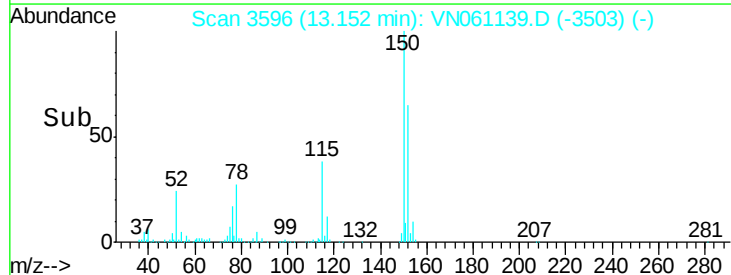
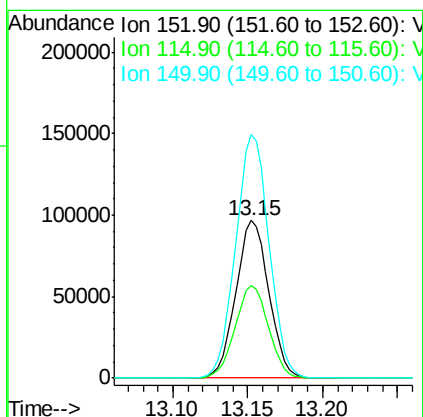
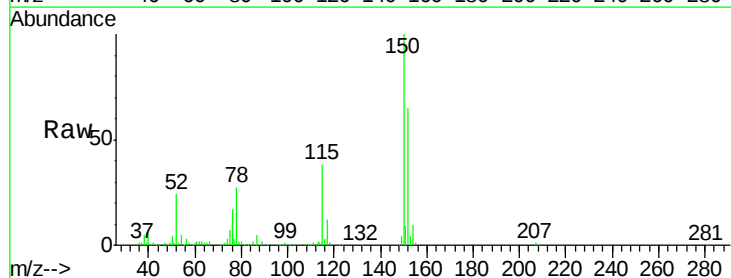
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-483-485

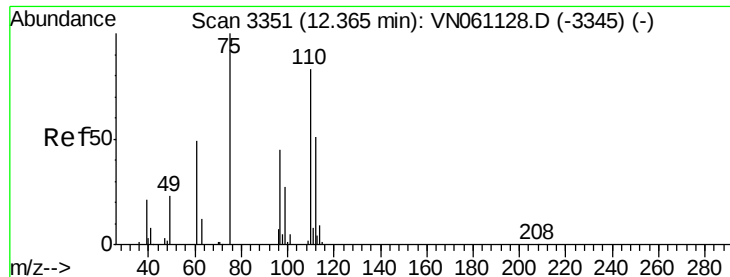
Tgt Ion:117 Resp: 307912
Ion Ratio Lower Upper
117 100
82 56.5 46.0 69.0
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.15 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VN061139.D
Acq: 22 Apr 2020 19:54

Tgt Ion:152 Resp: 148343
Ion Ratio Lower Upper
152 100
115 59.3 29.8 89.5
150 156.7 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 22.67 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061139.D

Acq: 22 Apr 2020 19:54

Instrument :

MSVOA_N

ClientSampleId :

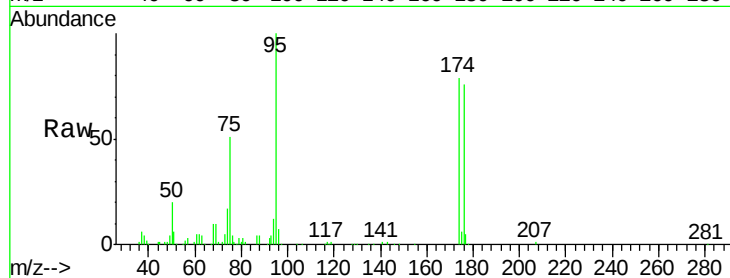
BP-VPB180-GW-483-485

Tgt Ion: 75 Resp: 77578

Ion Ratio Lower Upper

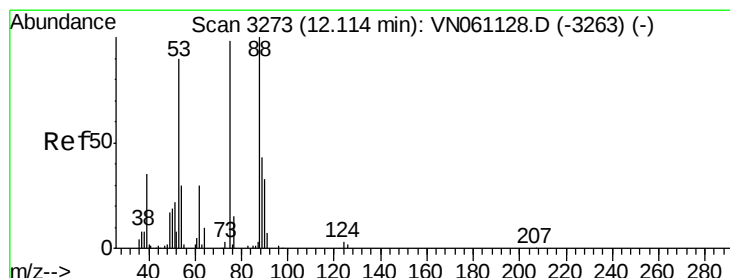
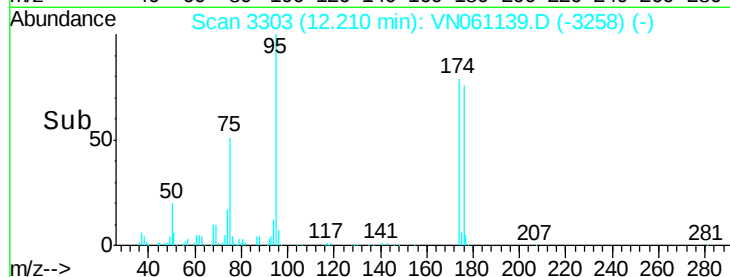
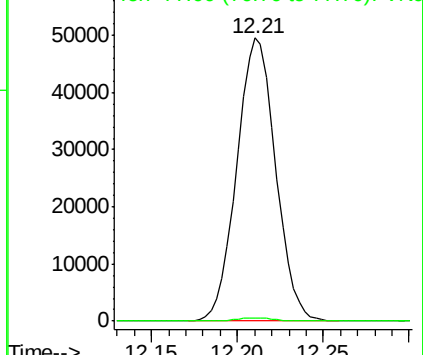
75 100

77 1.1 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: 59.54 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061139.D

Acq: 22 Apr 2020 19:54

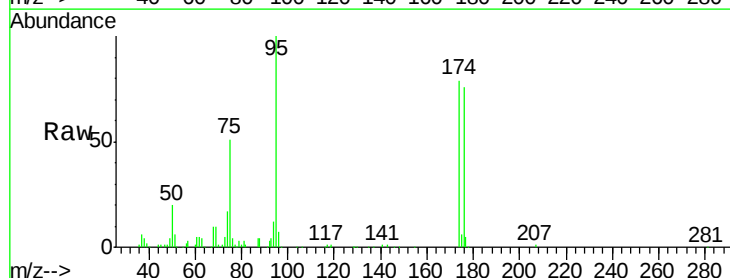
Tgt Ion: 75 Resp: 77578

Ion Ratio Lower Upper

75 100

53 0.0 74.3 111.5#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

