

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062213.D
 Acq On : 30 Jun 2020 2:34
 Operator : JC/MD
 Sample : L3136-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-SOIL-570-572

Quant Time: Jun 30 04:33:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	218684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	421739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	414819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158064	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	164616	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
35) Dibromofluoromethane	7.55	113	139018	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
50) Toluene-d8	10.06	98	542563	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.38	95	180398	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	

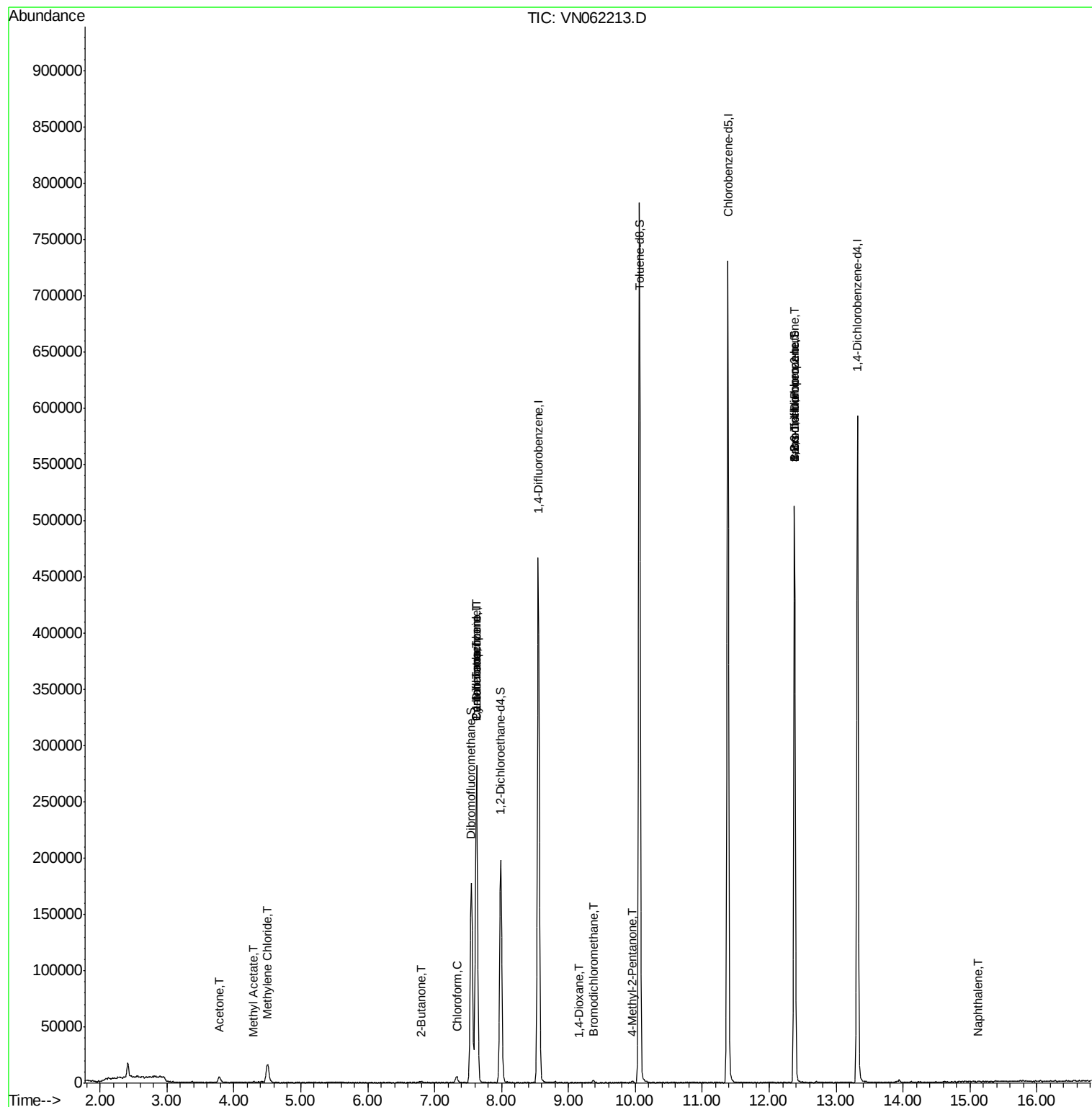
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	245	Below Cal	#	41
16) Acetone	3.78	43	8764	5.130	ug/l #	85
18) Methyl Acetate	4.29	43	498	0.204	ug/l #	46
20) Methylene Chloride	4.50	84	13162	4.475	ug/l	96
25) 2-Butanone	6.79	43	629	0.419	ug/l #	44
30) Chloroform	7.33	83	5686	1.115	ug/l	96
31) Cyclohexane	7.63	56	5435	1.282	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	19409	4.579	ug/l #	45
38) Carbon Tetrachloride	7.63	117	22144	5.541	ug/l #	15
47) Bromodichloromethane	9.37	83	1859	0.426	ug/l #	93
49) 1,4-Dioxane	9.16	88	30	0.527	ug/l #	28
51) 4-Methyl-2-Pentanone	9.95	43	1257	0.376	ug/l #	71
71) Bromoform	12.38	173	1483	0.662	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	91266	24.528	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	91266	71.630	ug/l #	13
95) Naphthalene	15.11	128	625	4.071	ug/l #	69

(#) = 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# 1820

Delta R.T. -0.00 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

Instrument :

MSVOA_N

ClientSampleId :

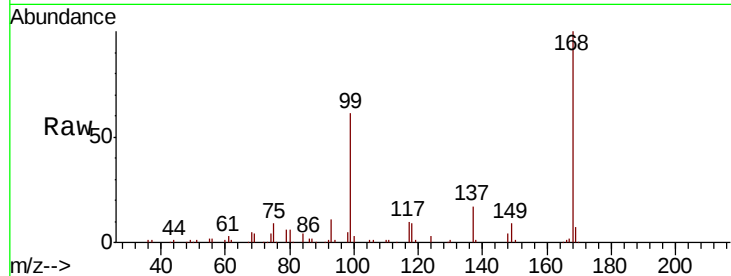
BP-MW180-SOIL-570-572

Tot Ion:168 Resp: 218684

Ion Ratio Lower Upper

168 100

99 60.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062213.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062213.D (-1727) (-)

7.63

100000

80000

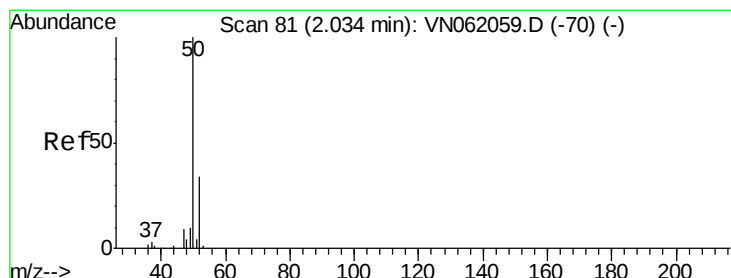
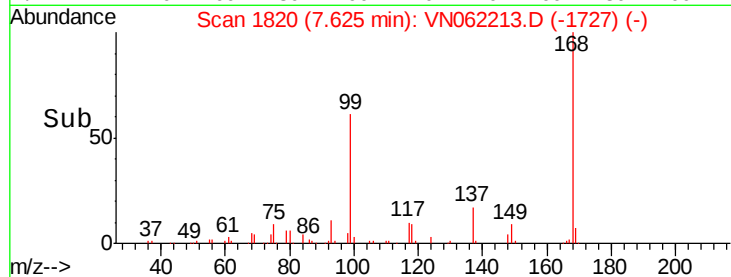
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062213.D

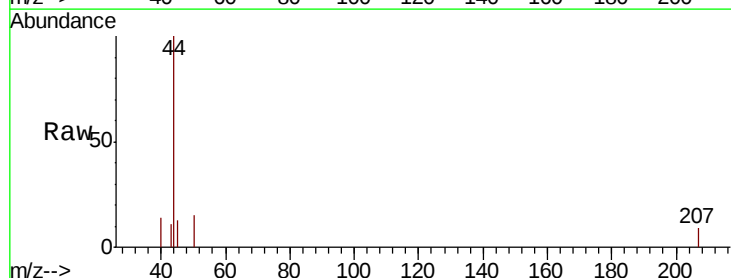
Acq: 30 Jun 2020 2:34

Tgt Ion: 50 Resp: 245

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN062213.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN062213.D (-1) (-)

2.03

300

250

200

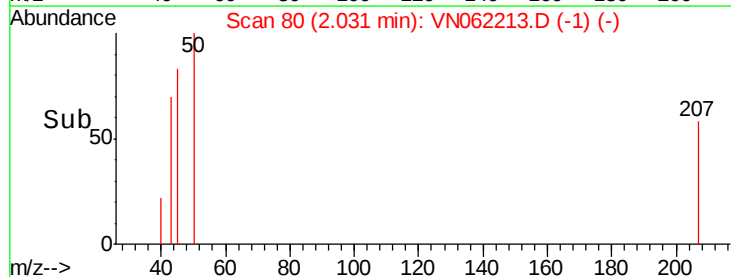
150

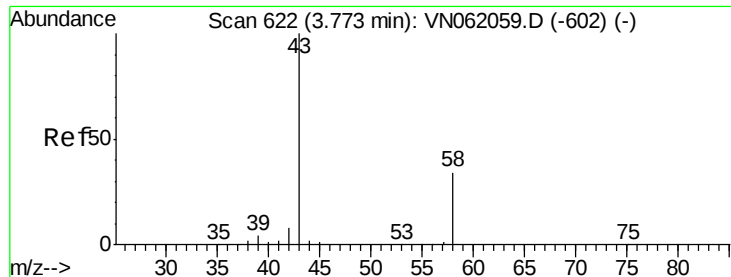
100

50

0

Time--> 2.02 2.04 2.06

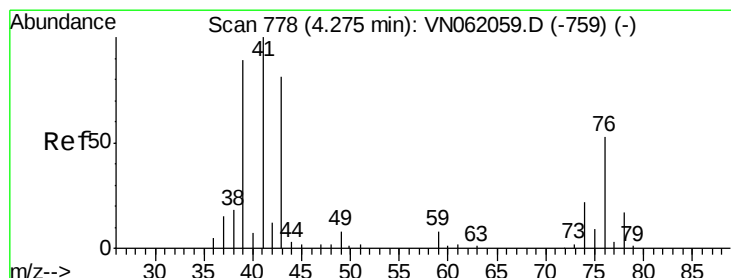
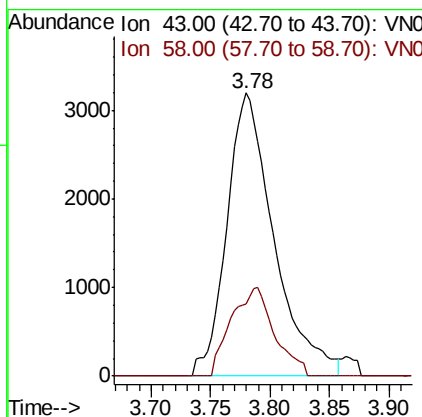
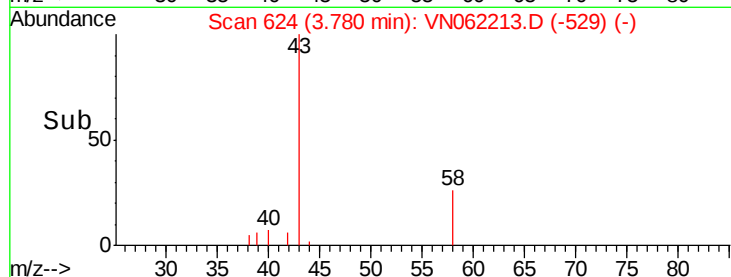
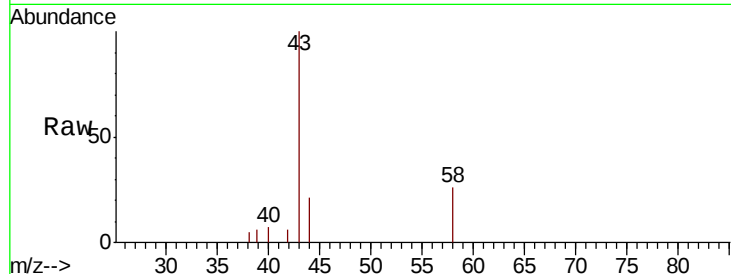




#16
 Acetone
 Concen: 5.130 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.01 min
 Lab File: VN062213.D
 Acq: 30 Jun 2020 2:34

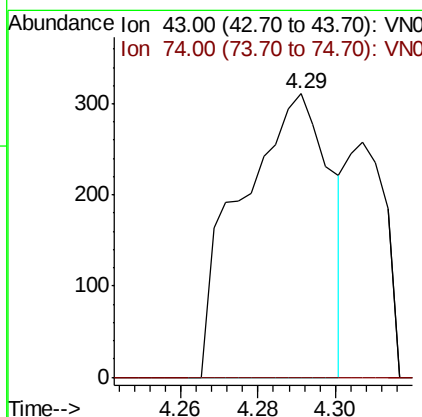
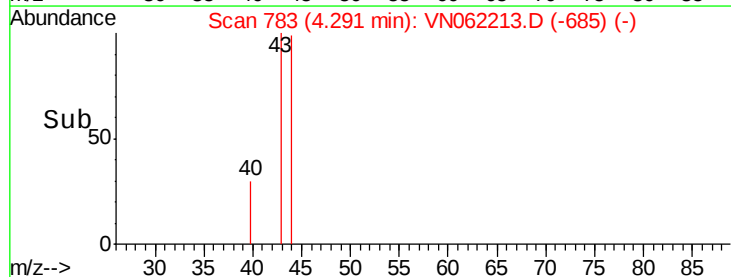
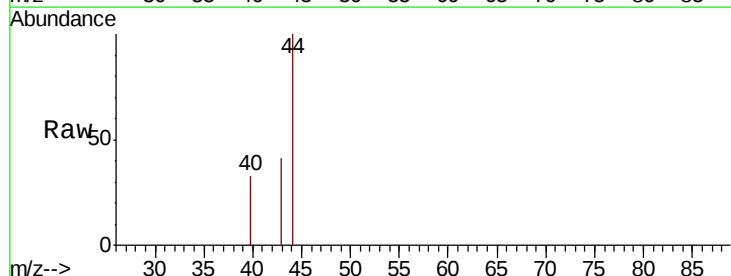
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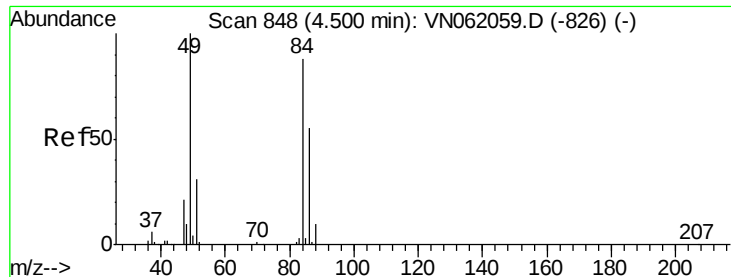
Tot Ion: 43 Resp: 8764
 Ion Ratio Lower Upper
 43 100
 58 25.7 27.5 41.3#



#18
 Methyl Acetate
 Concen: 0.204 ug/l
 RT: 4.29 min Scan# 783
 Delta R.T. 0.02 min
 Lab File: VN062213.D
 Acq: 30 Jun 2020 2:34

Tgt Ion: 43 Resp: 498
 Ion Ratio Lower Upper
 43 100
 74 0.0 22.9 34.3#

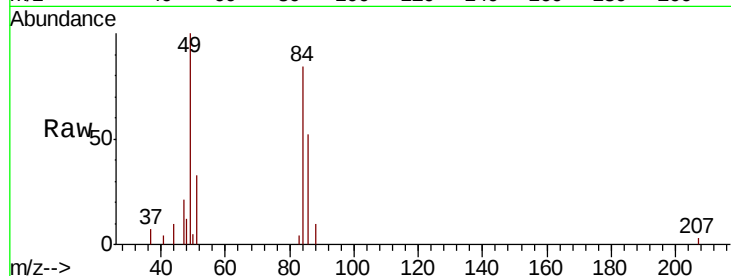




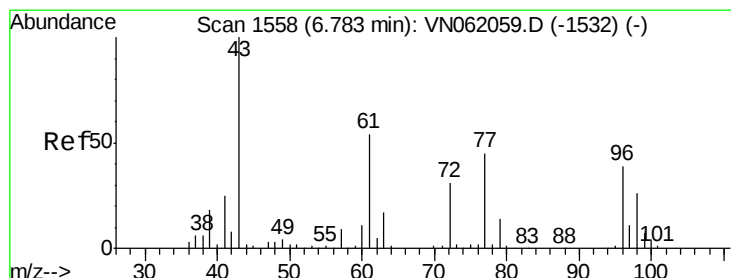
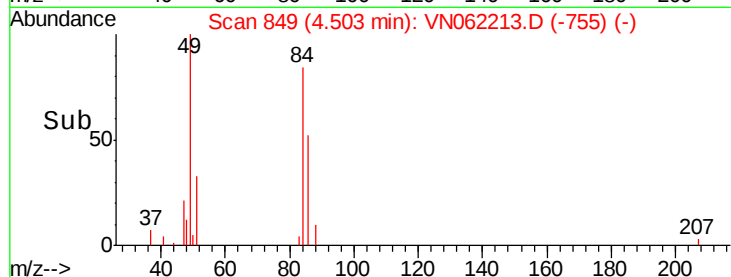
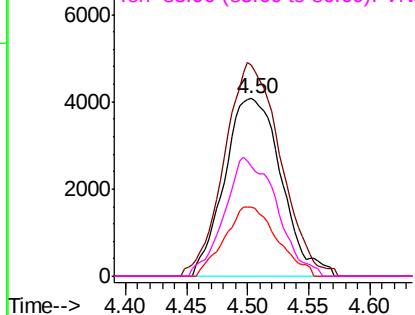
#20
Methvlene Chloride
Concen: 4.475 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062213.D
Acq: 30 Jun 2020 2:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-570-572

Tot Ion:	84	Resp:	13162
Ion	Ratio	Lower	Upper
84	100		
49	118.7	90.6	136.0
51	39.0	27.8	41.8
86	62.0	50.1	75.1

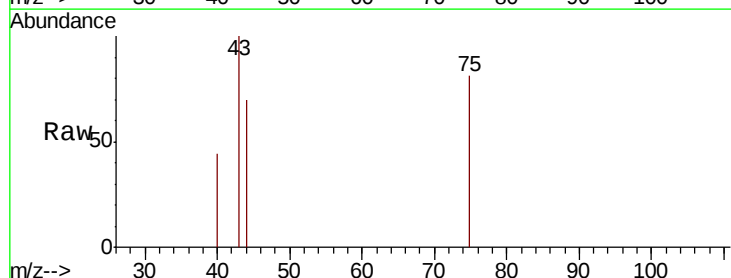


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

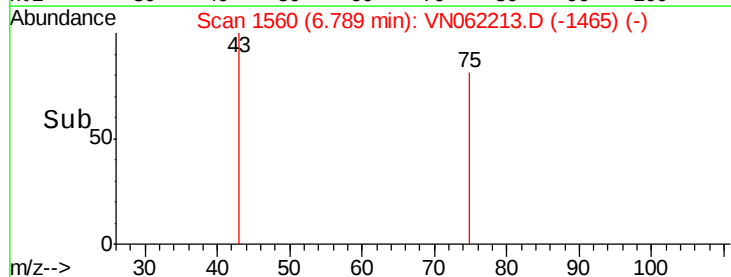
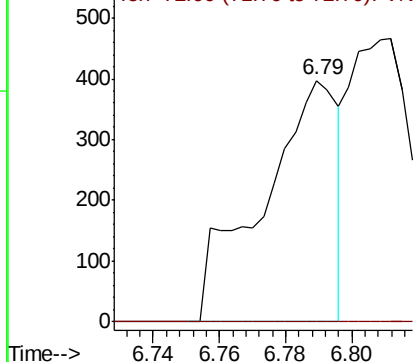


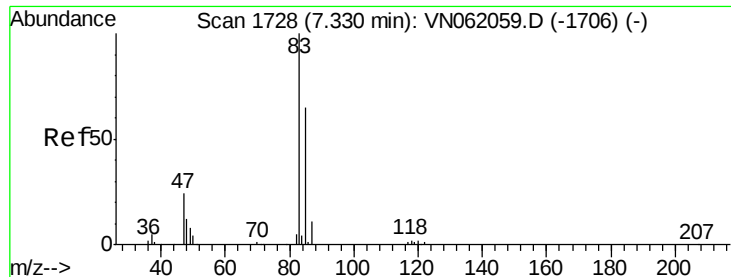
#25
2-Butanone
Concen: 0.419 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062213.D
Acq: 30 Jun 2020 2:34

Tgt Ion:	43	Resp:	629
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.8	37.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

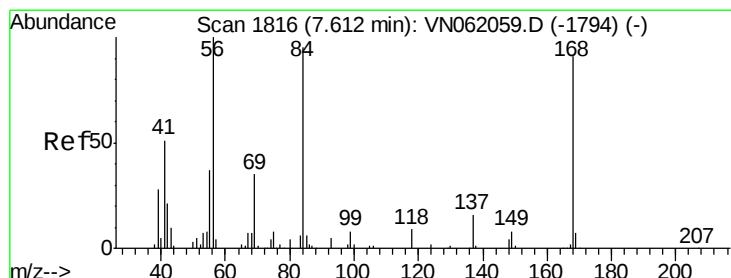
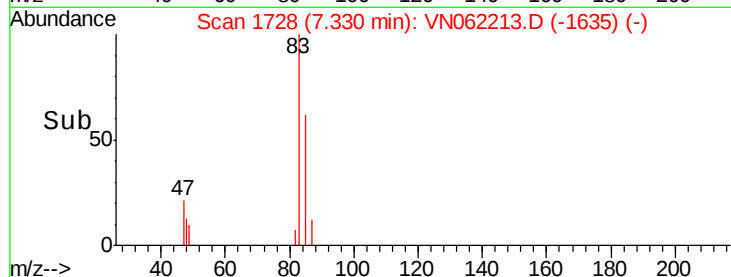
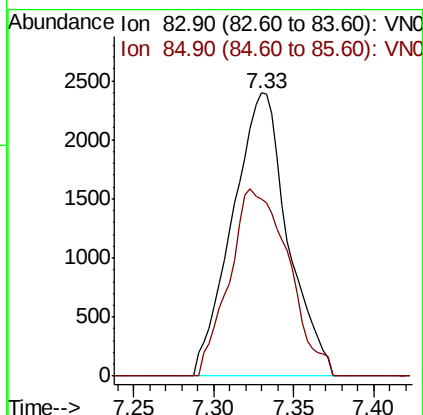
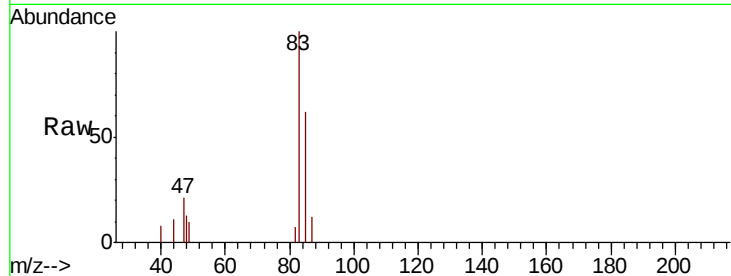




#30
Chloroform
Concen: 1.115 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062213.D
Acq: 30 Jun 2020 2:34

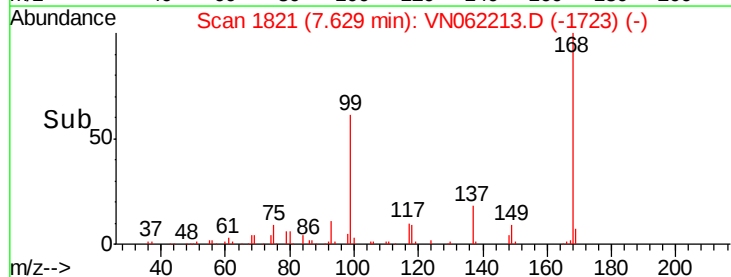
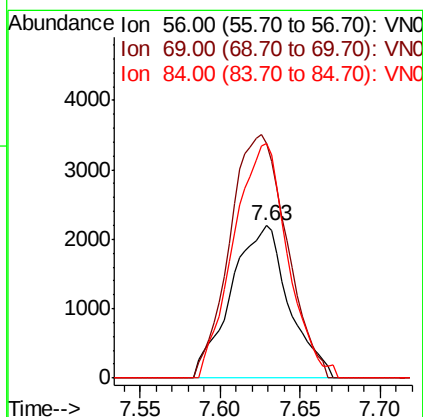
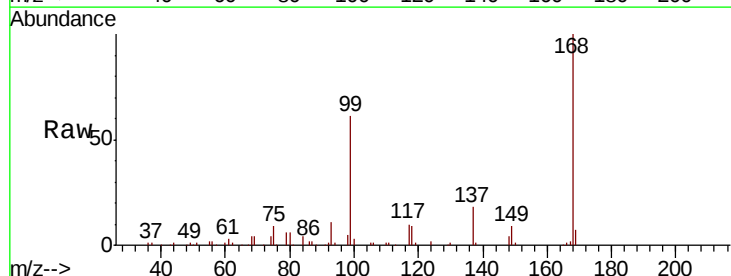
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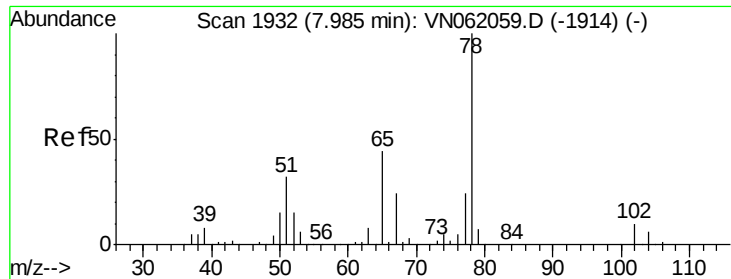
Tot Ion: 83 Resp: 5686
Ion Ratio Lower Upper
83 100
85 62.4 52.3 78.5



#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062213.D
Acq: 30 Jun 2020 2:34

Tgt Ion: 56 Resp: 5435
Ion Ratio Lower Upper
56 100
69 154.2 28.0 42.0#
84 154.4 76.1 114.1#





#33

1,2-Dichloroethane-d4

Concen: 53.641 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

Instrument :

MSVOA_N

ClientSampleId :

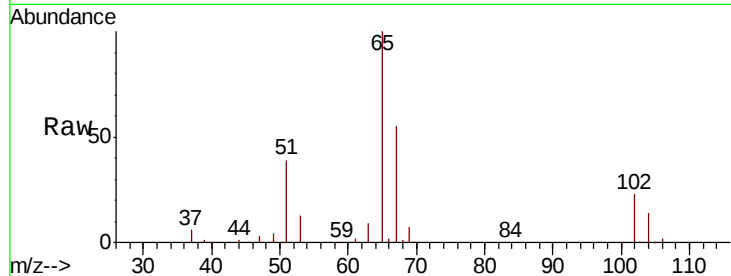
BP-MW180-SOIL-570-572

Tot Ion: 65 Resp: 164616

Ion Ratio Lower Upper

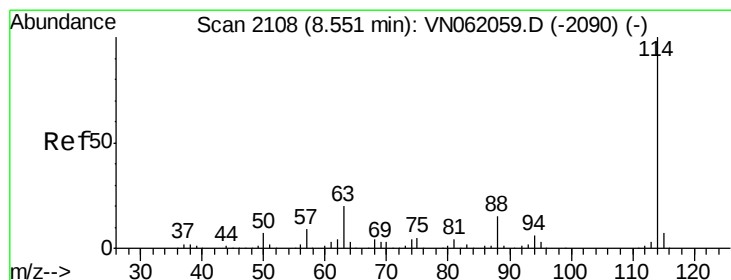
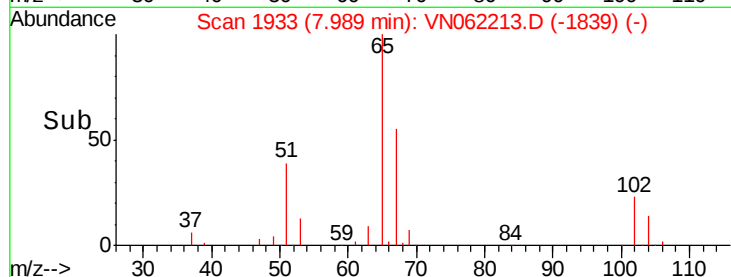
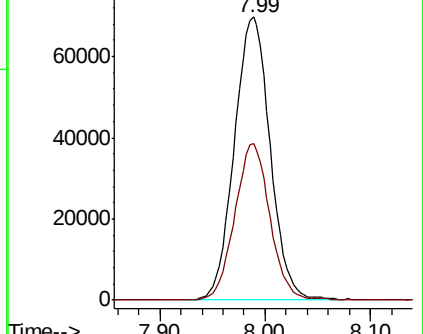
65 100

67 53.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062213.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062213.D (-1839) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

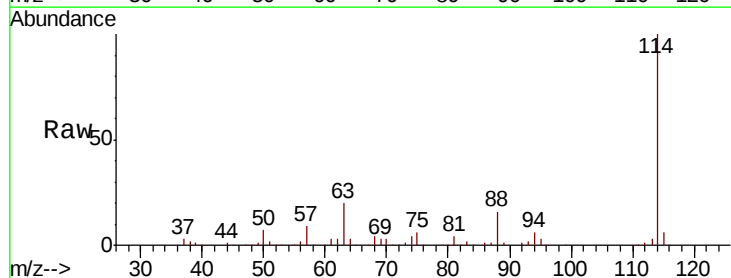
Tgt Ion: 114 Resp: 421739

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

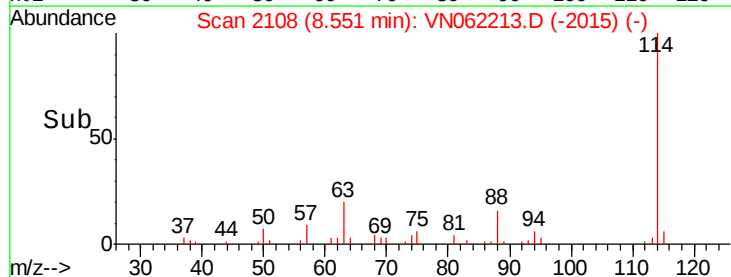
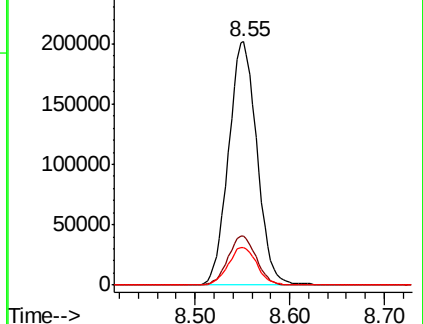
88 15.6 0.0 30.8

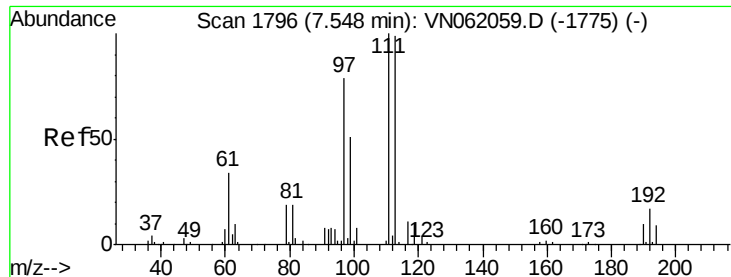


Abundance Ion 113.90 (113.60 to 114.60): VN062213.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062213.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062213.D (-2015) (-)

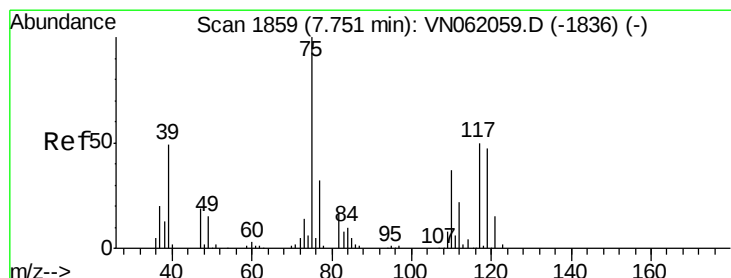
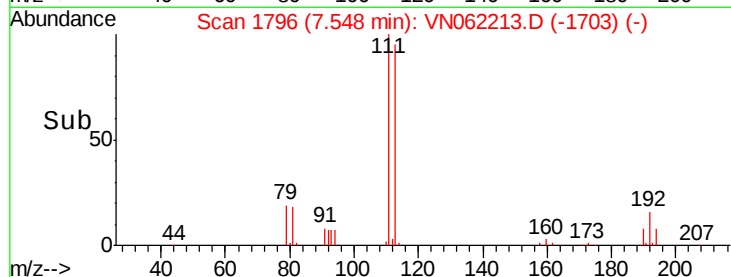
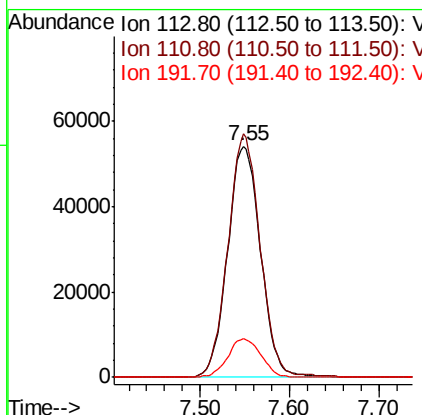
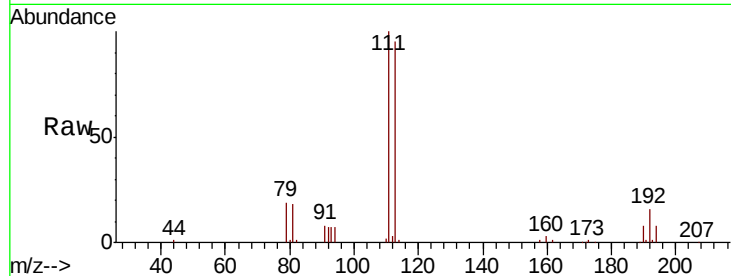




#35
 Dibromofluoromethane
 Concen: 51.381 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062213.D
 Acq: 30 Jun 2020 2:34

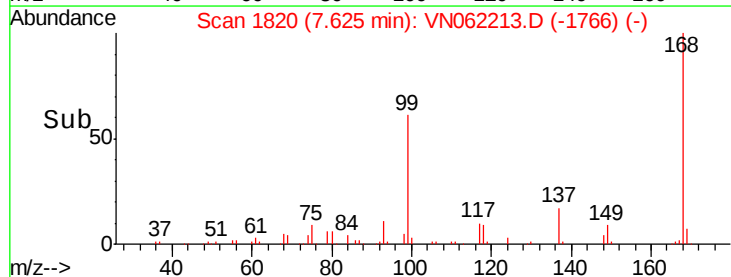
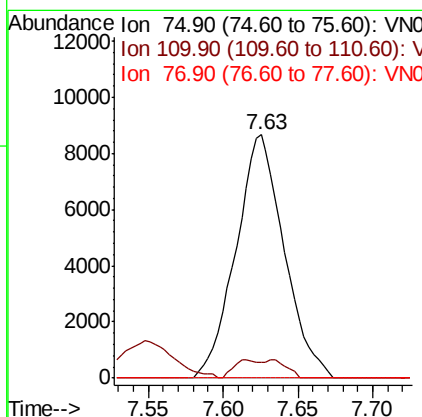
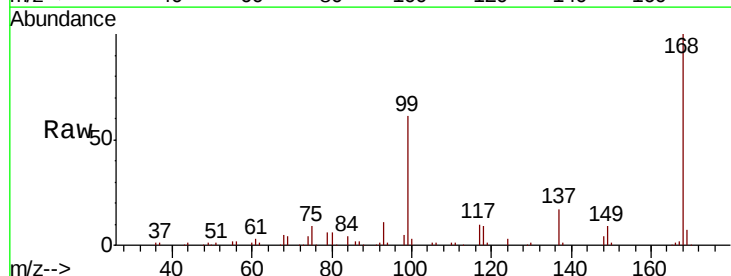
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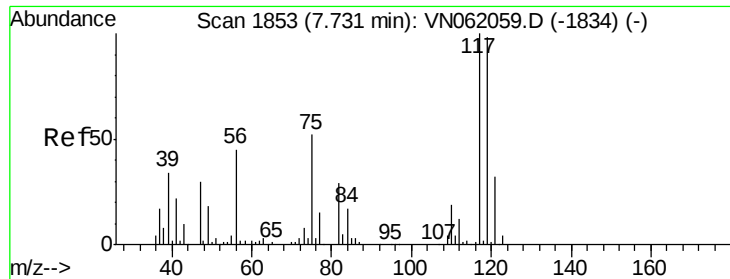
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	16.9	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.579 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062213.D
 Acq: 30 Jun 2020 2:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.0	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.541 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-570-572

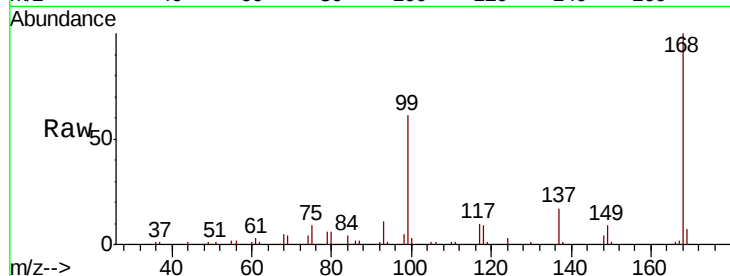
Tot Ion:117 Resp: 22144

Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.2#

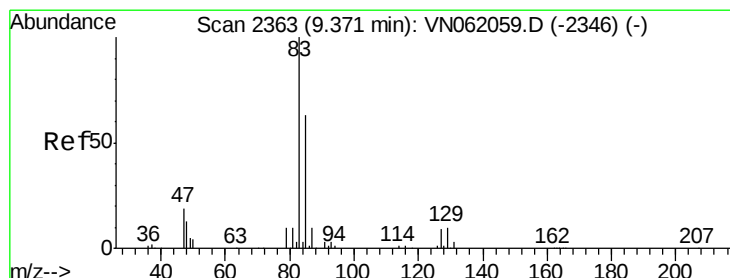
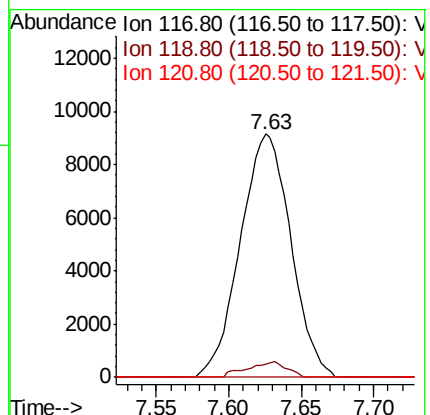
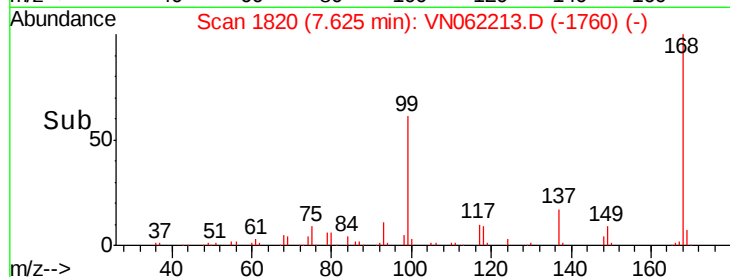
121 0.0 25.8 38.6#



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



#47

Bromodichloromethane

Concen: 0.426 ug/l

RT: 9.37 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

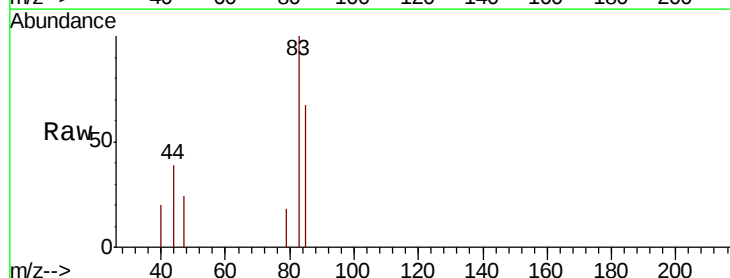
Tgt Ion: 83 Resp: 1859

Ion Ratio Lower Upper

83 100

85 66.9 50.3 75.5

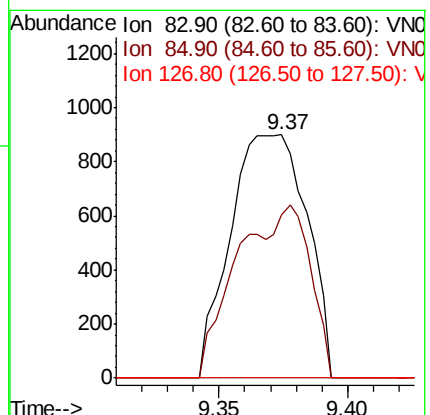
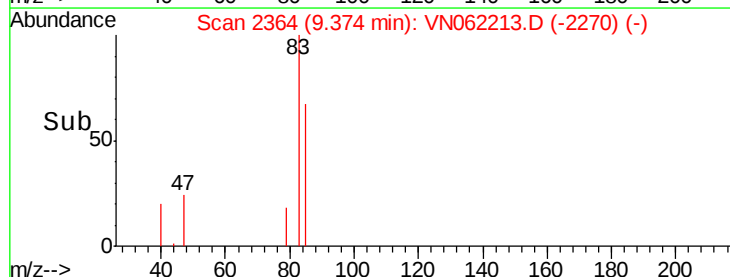
127 0.0 6.9 10.3#

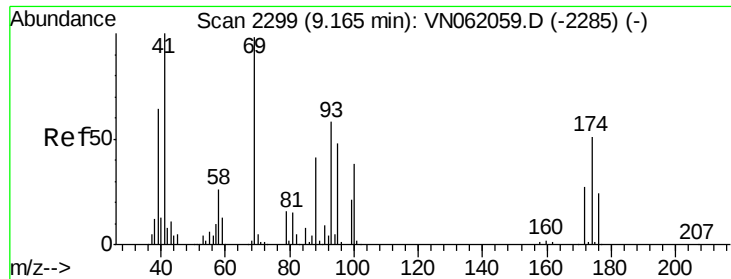


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

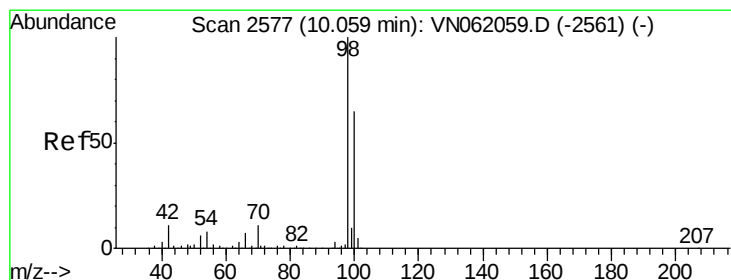
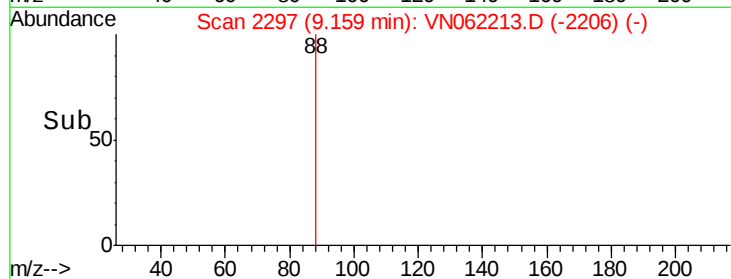
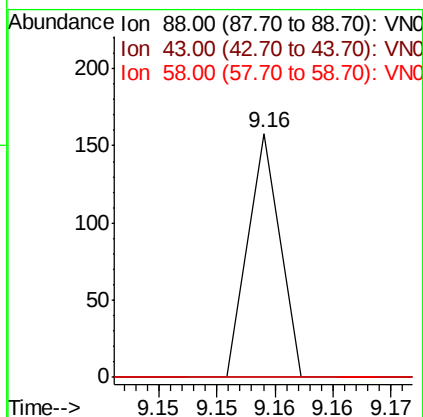
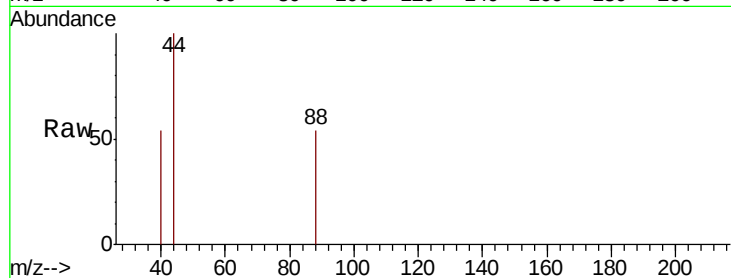




#49
1,4-Dioxane
Concen: 0.527 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.01 min
Lab File: VN062213.D
Acq: 30 Jun 2020 2:34

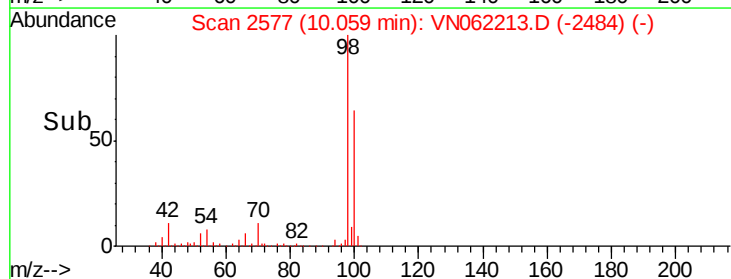
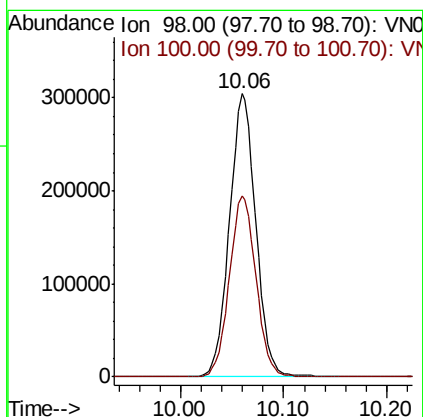
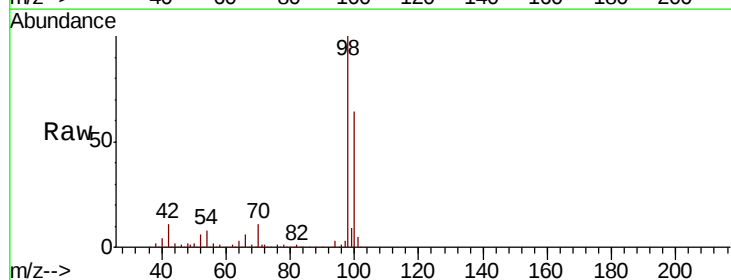
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-570-572

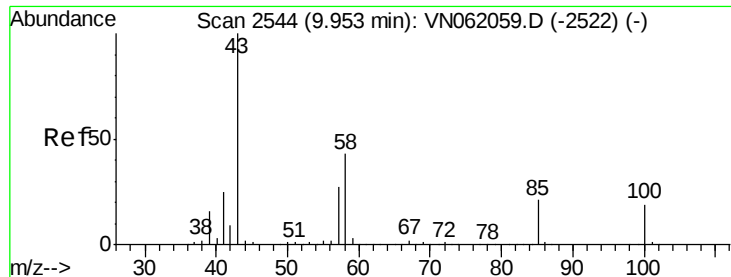
Tot Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 22.0 33.0#
58 0.0 49.2 73.8#



#50
Toluene-d8
Concen: 50.166 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062213.D
Acq: 30 Jun 2020 2:34

Tgt Ion: 98 Resp: 542563
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.376 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

Instrument :

MSVOA_N

ClientSampleId :

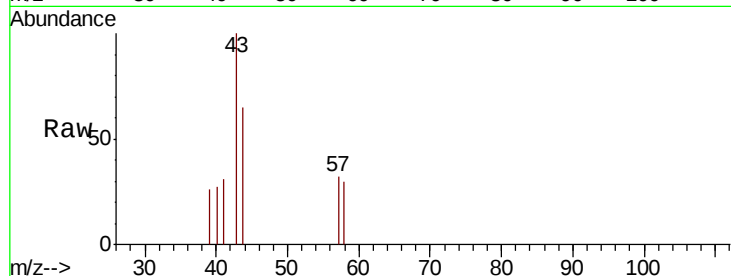
BP-MW180-SOIL-570-572

Tot Ion: 43 Resp: 1257

Ion Ratio Lower Upper

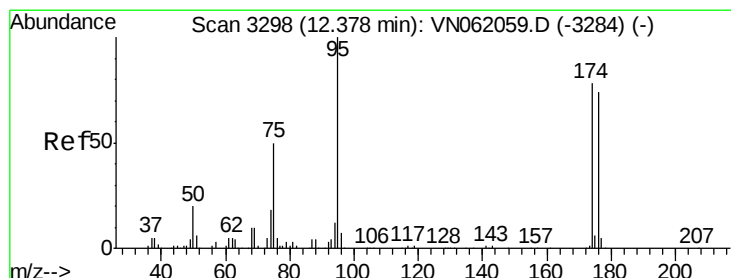
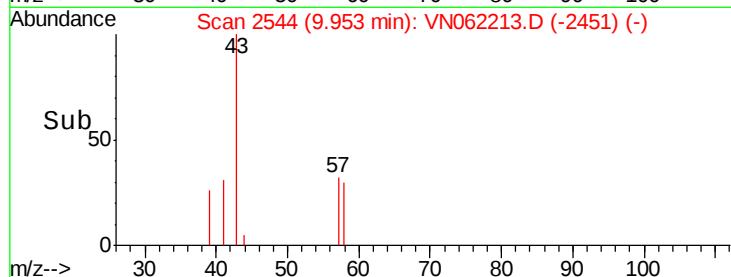
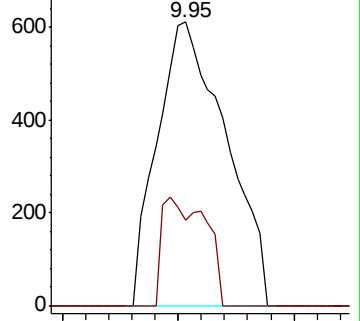
43 100

58 24.2 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)



#62

4-Bromofluorobenzene

Concen: 49.369 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

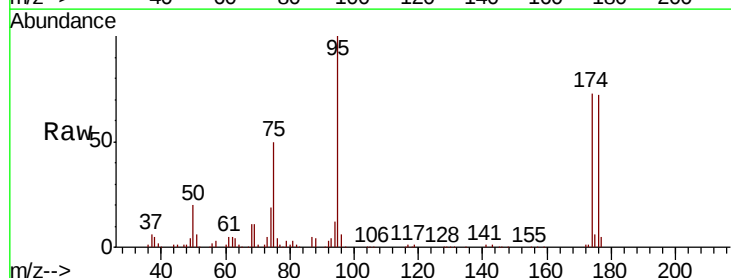
Tgt Ion: 95 Resp: 180398

Ion Ratio Lower Upper

95 100

174 73.4 0.0 154.8

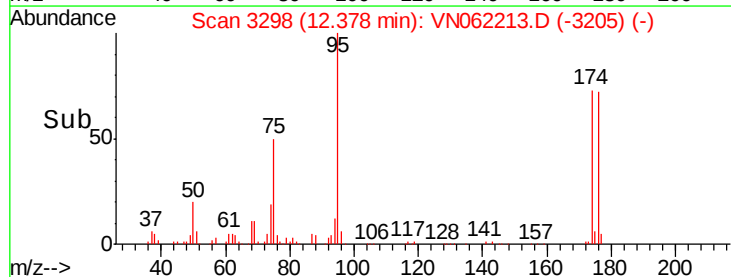
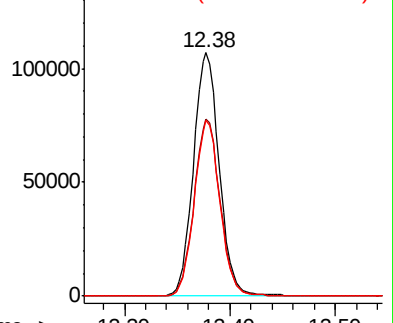
176 71.8 0.0 147.4

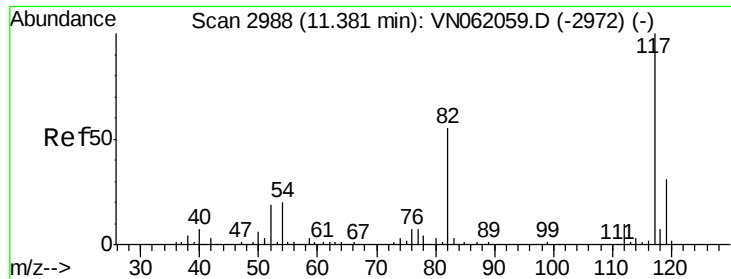


Abundance Ion 94.90 (94.60 to 95.60): VN062059.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062059.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062059.D (-3284) (-)

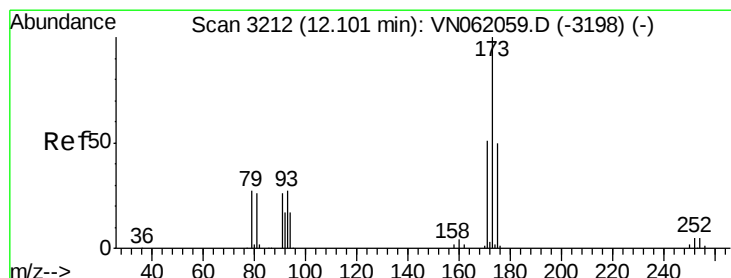
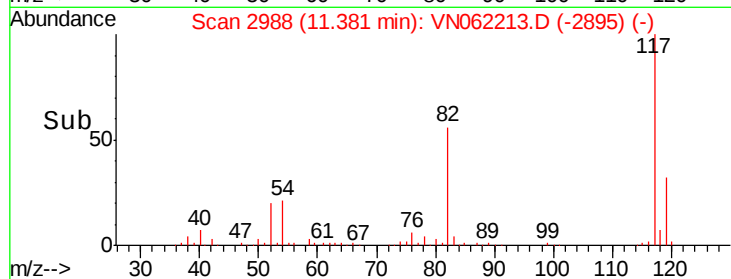
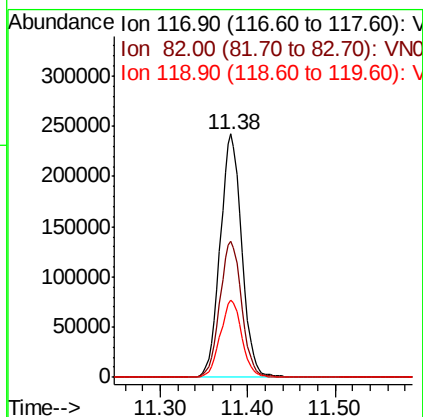
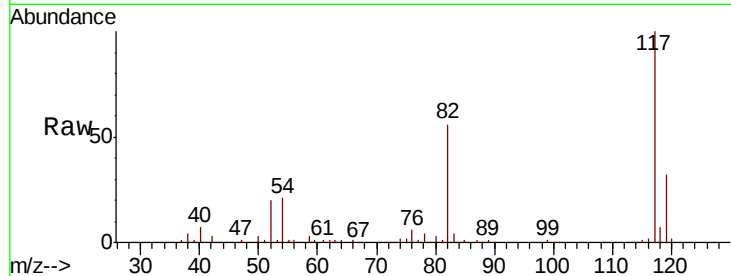




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062213.D
Acq: 30 Jun 2020 2:34

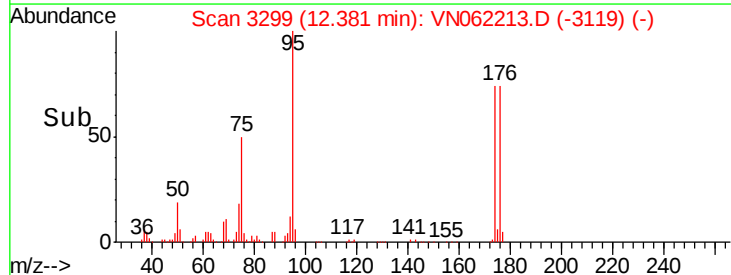
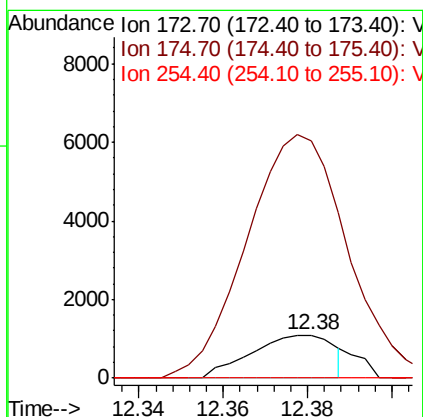
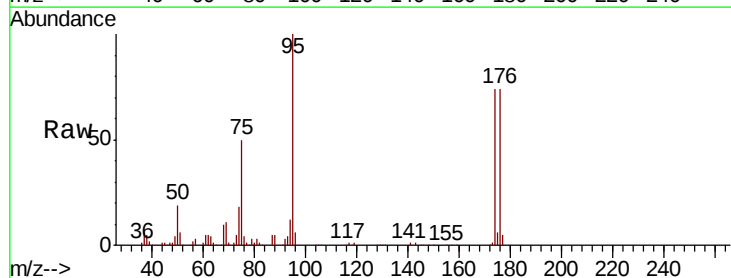
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-570-572

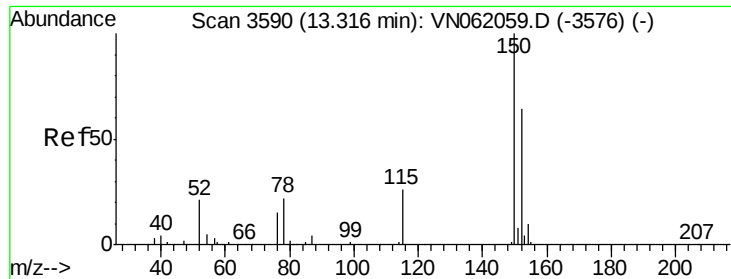
Tot Ion:117 Resp: 414819
Ion Ratio Lower Upper
117 100
82 56.1 43.8 65.8
119 31.8 25.2 37.8



#71
Bromoform
Concen: 0.662 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062213.D
Acq: 30 Jun 2020 2:34

Tgt Ion:173 Resp: 1483
Ion Ratio Lower Upper
173 100
175 588.9 24.7 74.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-570-572

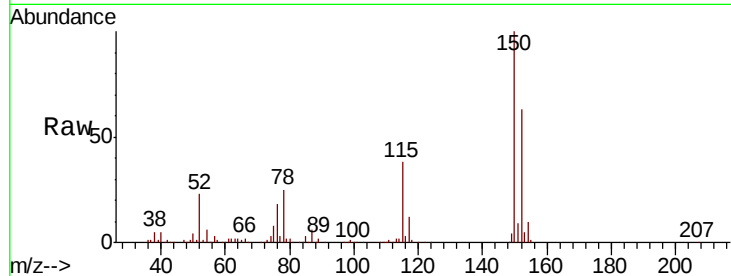
Tot Ion:152 Resp: 158064

Ion Ratio Lower Upper

152 100

115 59.9 29.5 88.5

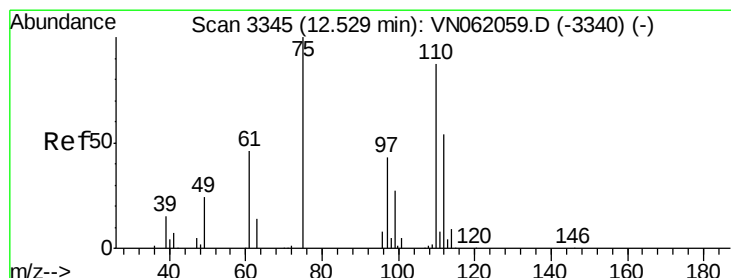
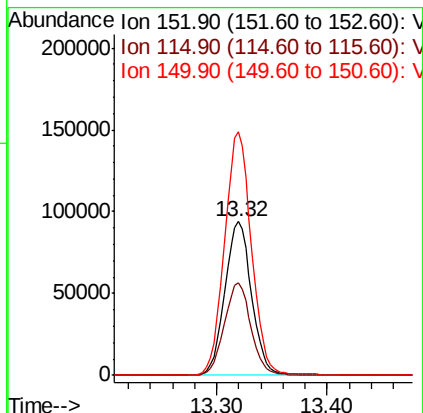
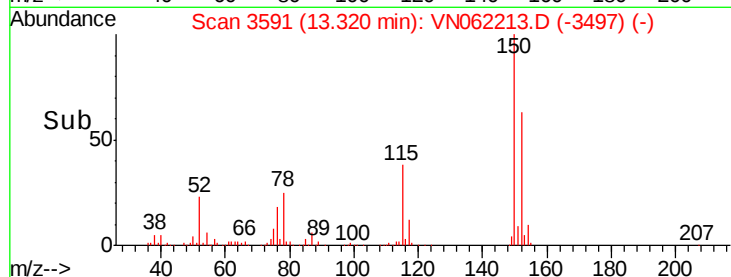
150 159.1 0.0 351.4



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: 24.528 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062213.D

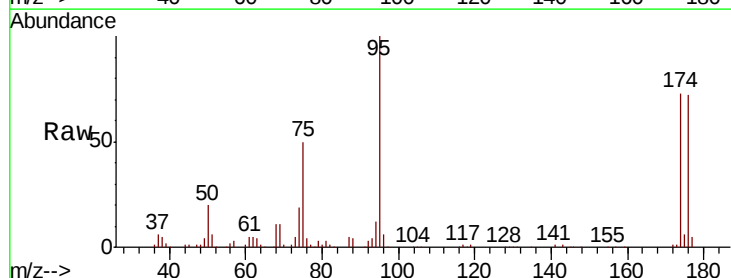
Acq: 30 Jun 2020 2:34

Tgt Ion: 75 Resp: 91266

Ion Ratio Lower Upper

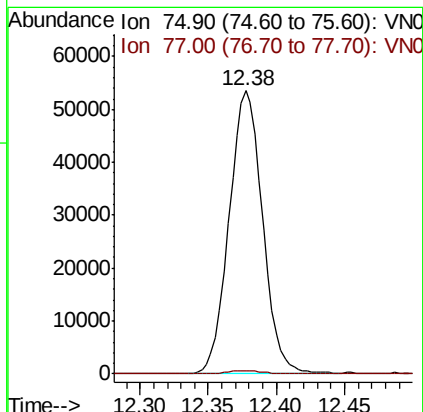
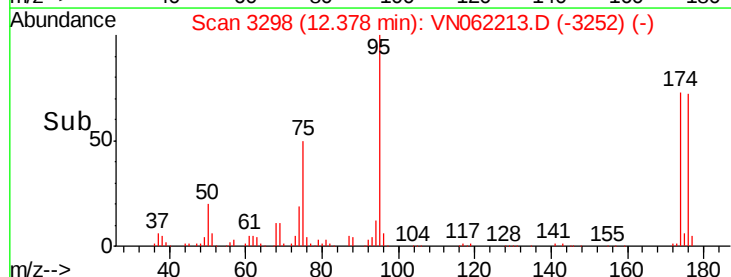
75 100

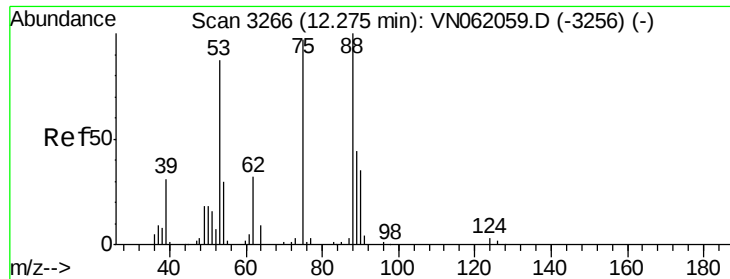
77 1.1 0.0 0.0#



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: 71.630 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-570-572

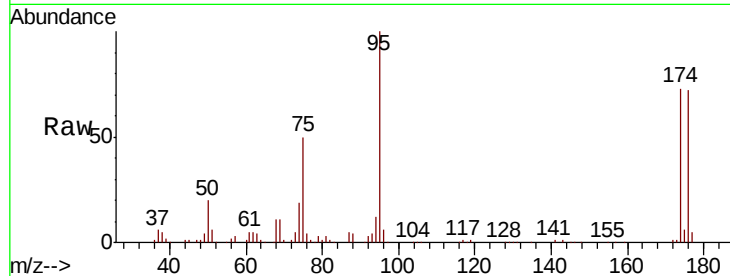
Tot Ion: 75 Resp: 91266

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

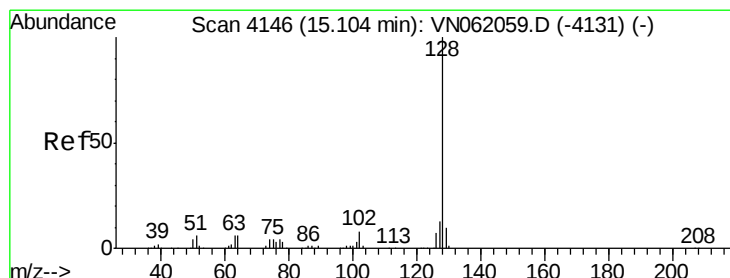
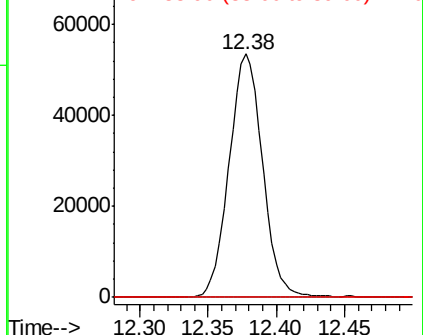
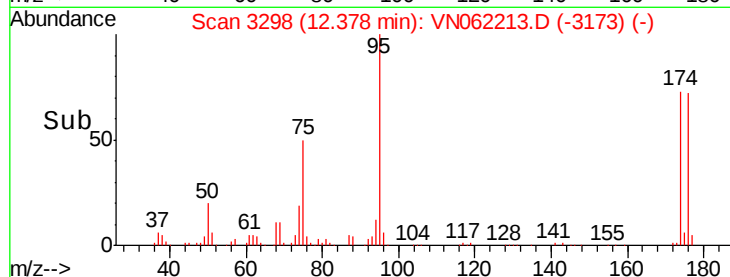
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062213.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062213.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062213.D (-3173) (-)



#95

Naphthalene

Concen: 4.071 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062213.D

Acq: 30 Jun 2020 2:34

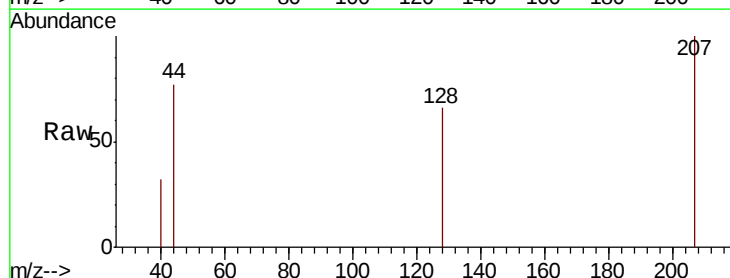
Tgt Ion: 128 Resp: 625

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN062213.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062213.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062213.D (-4053) (-)

