

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062412.D
 Acq On : 8 Jul 2020 17:26
 Operator : JC/MD
 Sample : L3229-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jul 09 02:22:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	172631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	312479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	286753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95573	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	136812	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
35) Dibromofluoromethane	7.55	113	102016	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
50) Toluene-d8	10.06	98	399765	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.38	95	135475	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

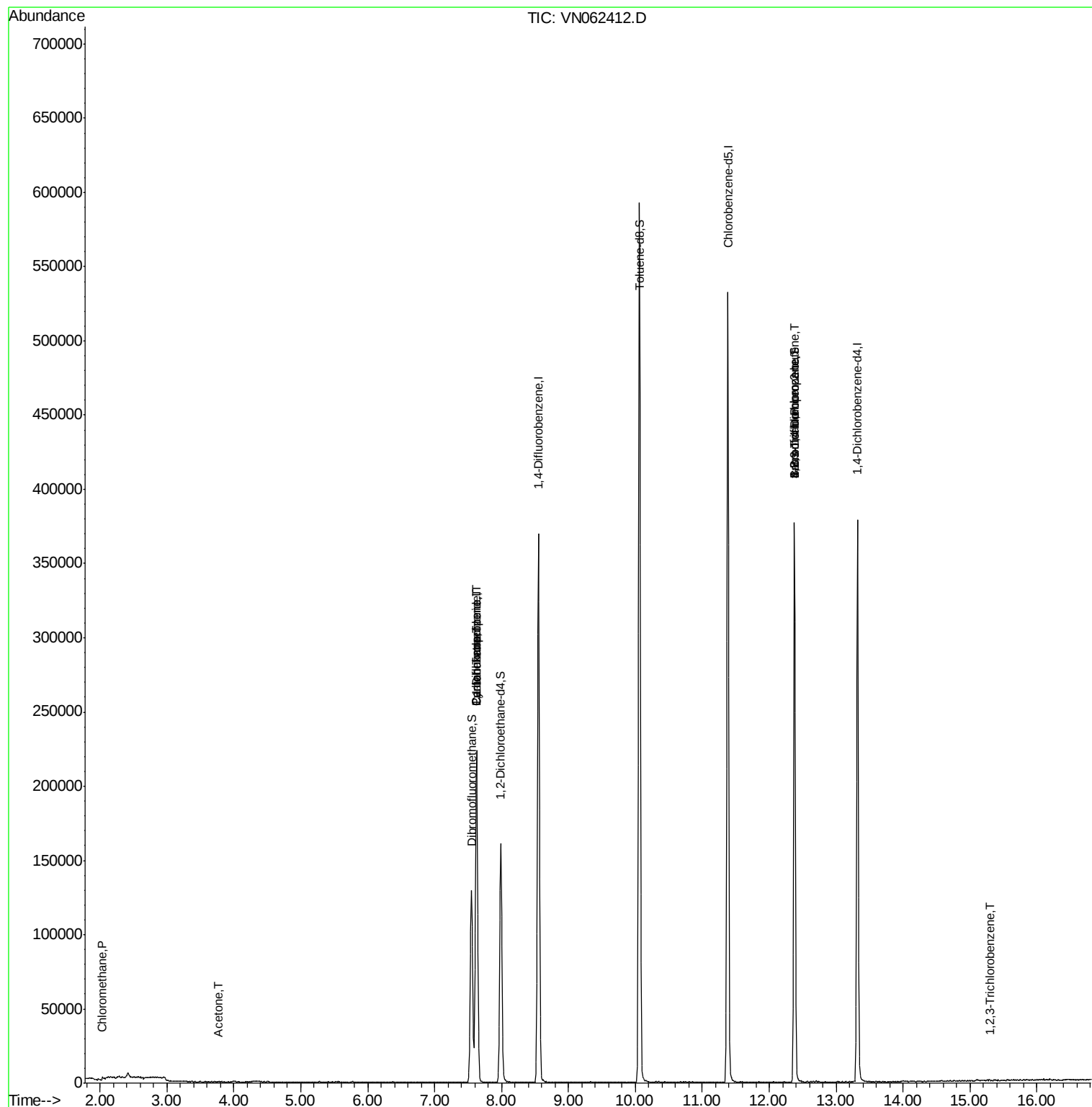
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	750	0.266	ug/l #	67
16) Acetone	3.77	43	347	0.308	ug/l #	45
31) Cyclohexane	7.63	56	4401	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15682	4.981	ug/l #	50
38) Carbon Tetrachloride	7.63	117	18057	6.380	ug/l #	16
71) Bromoform	12.37	173	685	0.455	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	72476	30.906	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	72476	82.723	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.90	180	61	Below Cal	#	32
95) Naphthalene	15.11	128	1059	Below Cal	#	70
96) 1,2,3-Trichlorobenzene	15.29	180	172	3.327	ug/l #	25

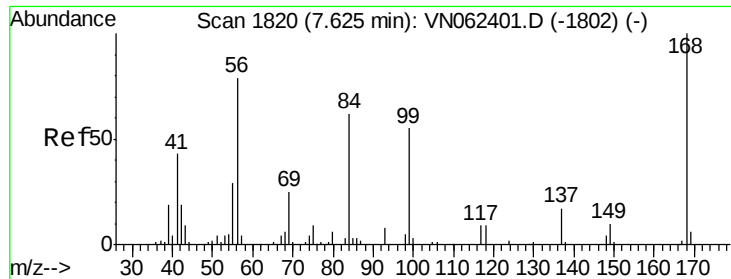
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062412.D

Acq: 8 Jul 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

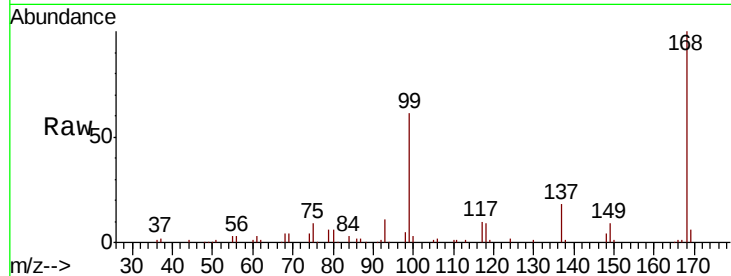
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 172631

Ion Ratio Lower Upper

168 100

99 61.0 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

40000

20000

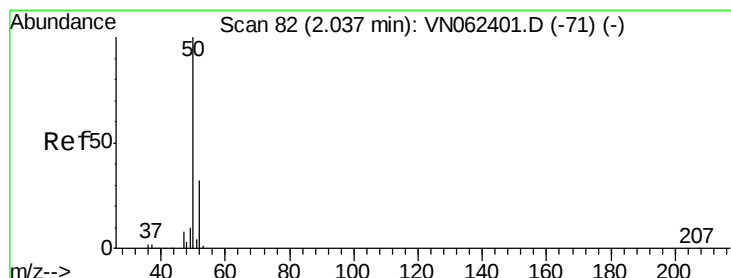
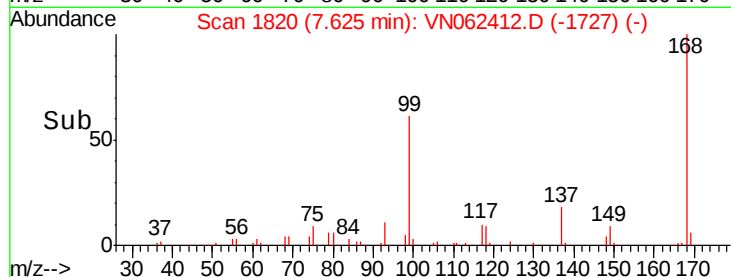
0

7.50

7.60

7.70

Time-->



#3

Chloromethane

Concen: 0.266 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062412.D

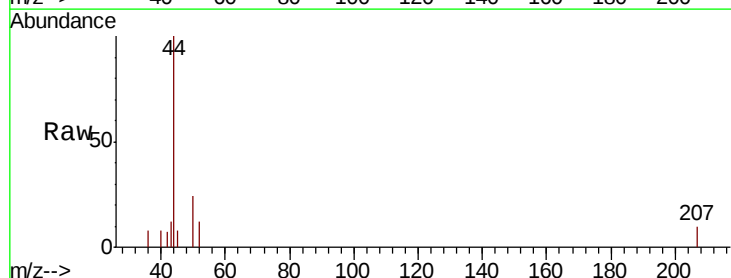
Acq: 8 Jul 2020 17:26

Tgt Ion: 50 Resp: 750

Ion Ratio Lower Upper

50 100

52 50.5 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

600

500

400

300

200

100

0

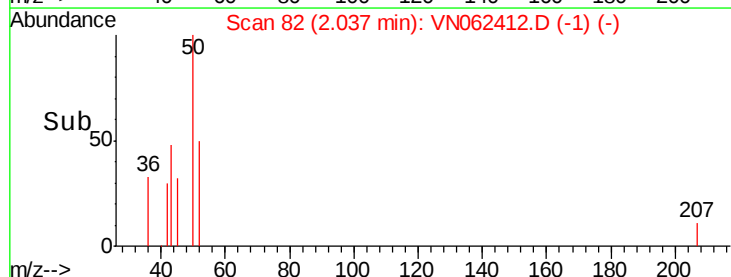
2.00

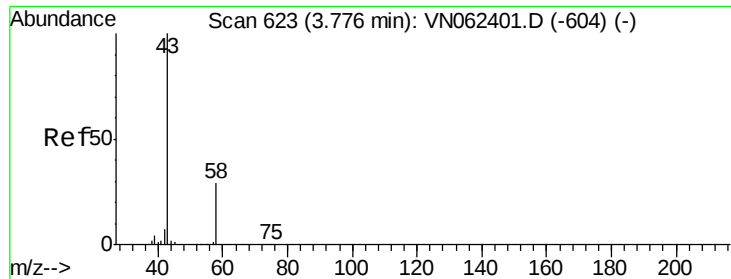
2.02

2.04

2.06

Time-->

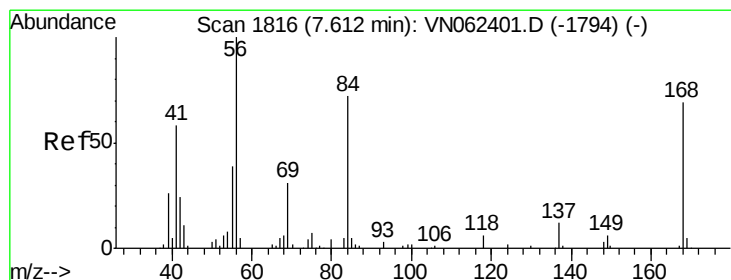
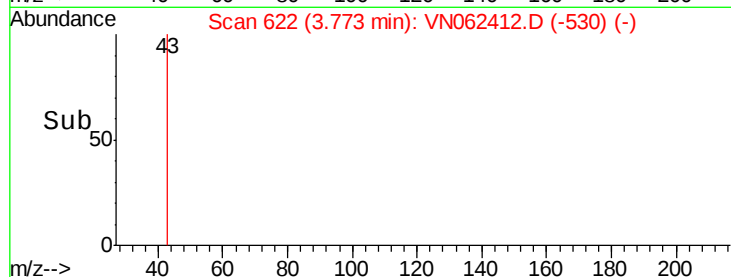
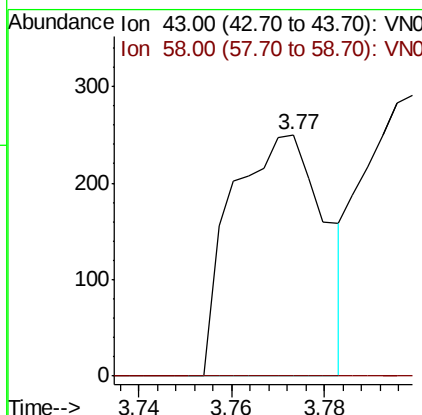
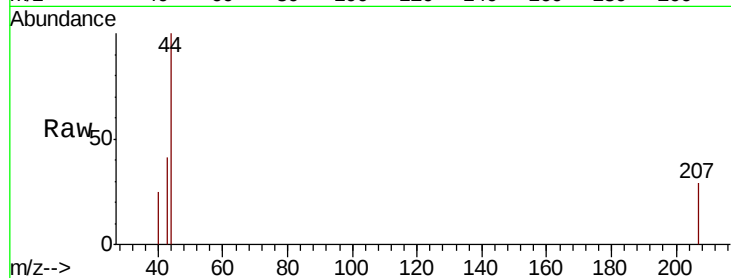




#16
Acetone
Concen: 0.308 ug/l
RT: 3.77 min Scan# 622
Delta R.T. -0.00 min
Lab File: VN062412.D
Acq: 8 Jul 2020 17:26

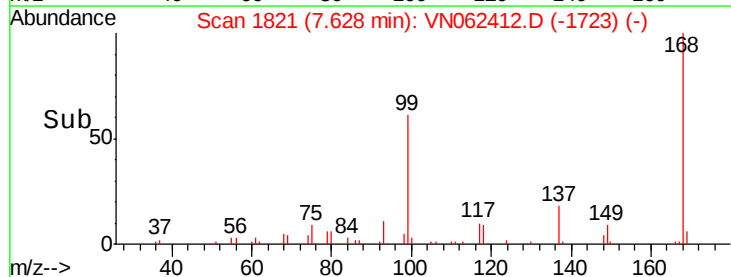
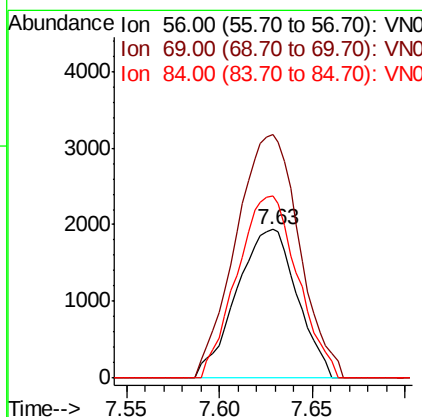
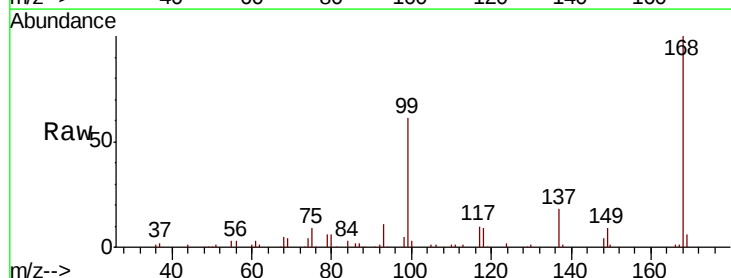
Instrument :
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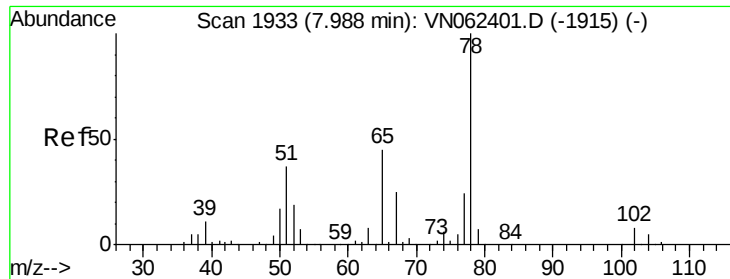
Tot Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
58 0.0 23.5 35.3#



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062412.D
Acq: 8 Jul 2020 17:26

Tgt Ion: 56 Resp: 4401
Ion Ratio Lower Upper
56 100
69 163.7 24.5 36.7#
84 122.7 57.4 86.2#





#33

1,2-Dichloroethane-d4

Concen: 51.524 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062412.D

Acq: 8 Jul 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

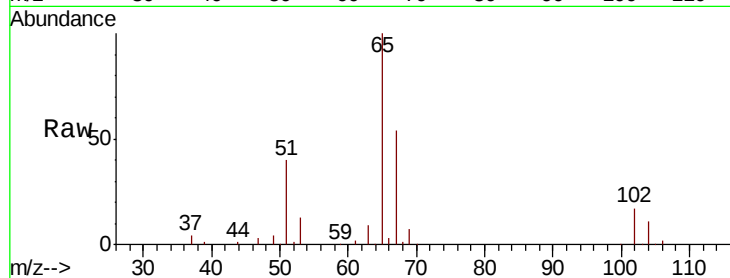
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 136812

Ion Ratio Lower Upper

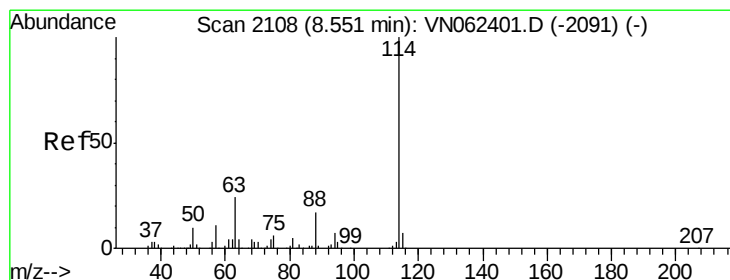
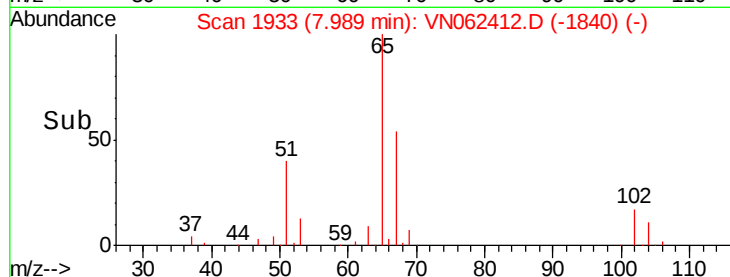
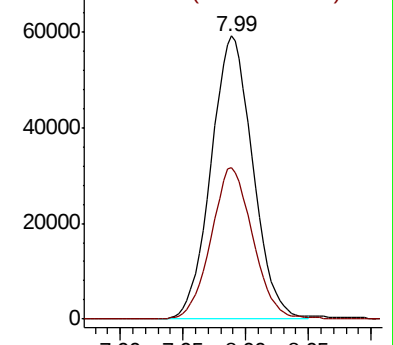
65 100

67 53.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062412.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062412.D (-1915) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062412.D

Acq: 8 Jul 2020 17:26

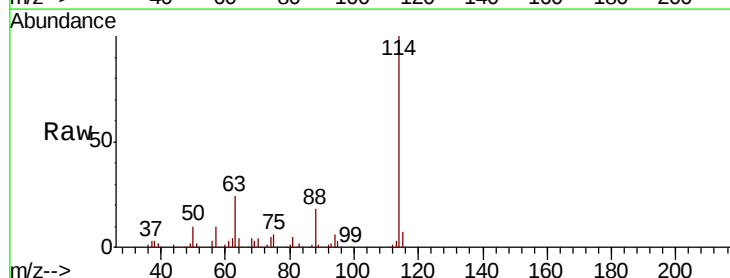
Tgt Ion: 114 Resp: 312479

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.4

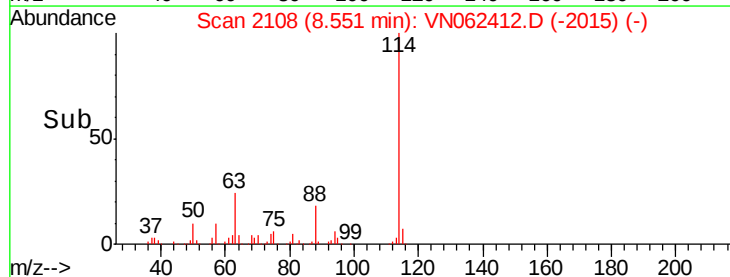
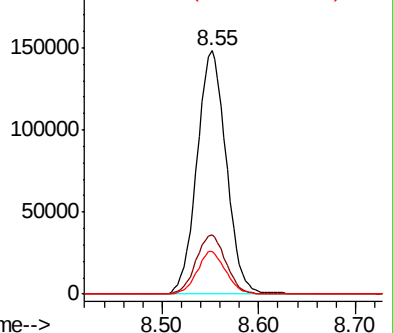
88 17.7 0.0 33.8

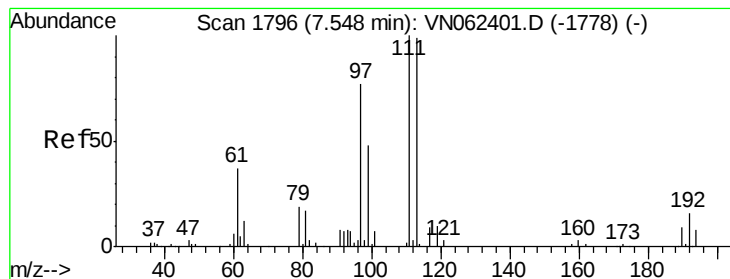


Abundance Ion 113.90 (113.60 to 114.60): VN062412.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062412.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062412.D (-2091) (-)





#35

Dibromofluoromethane

Concen: 52.816 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN062412.D

Acq: 8 Jul 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

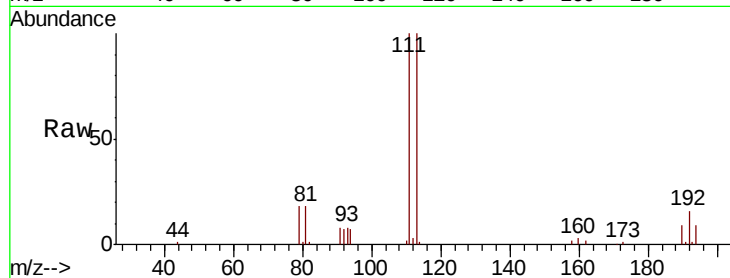
Tot Ion:113 Resp: 102016

Ion Ratio Lower Upper

113 100

111 101.7 83.1 124.7

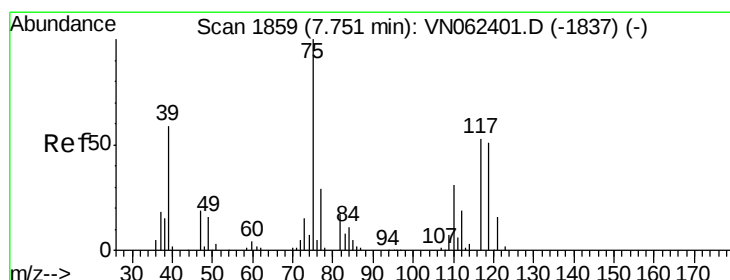
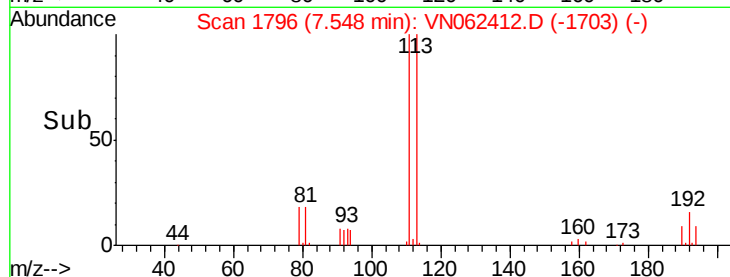
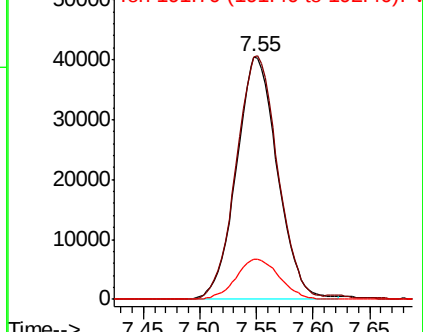
192 17.6 14.1 21.1



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: 4.981 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.12 min

Lab File: VN062412.D

Acq: 8 Jul 2020 17:26

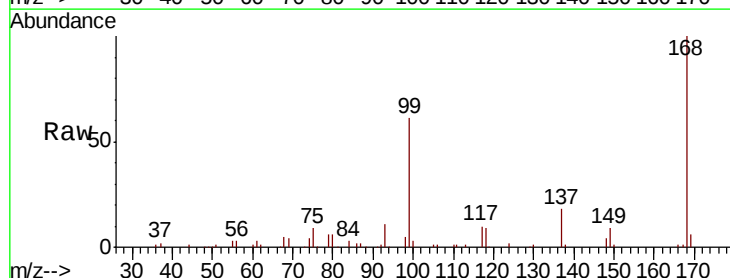
Tgt Ion: 75 Resp: 15682

Ion Ratio Lower Upper

75 100

110 6.3 15.4 46.2#

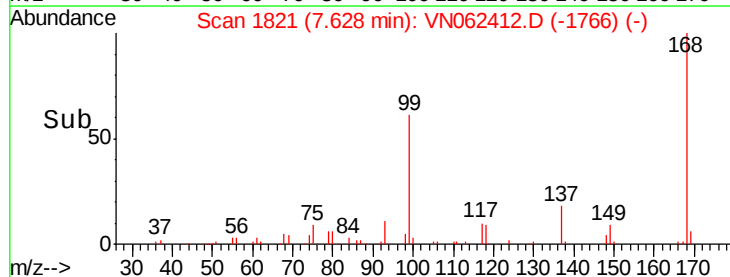
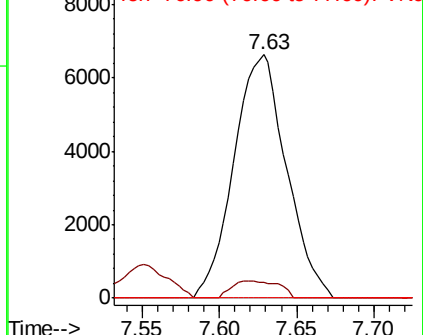
77 0.0 24.1 36.1#

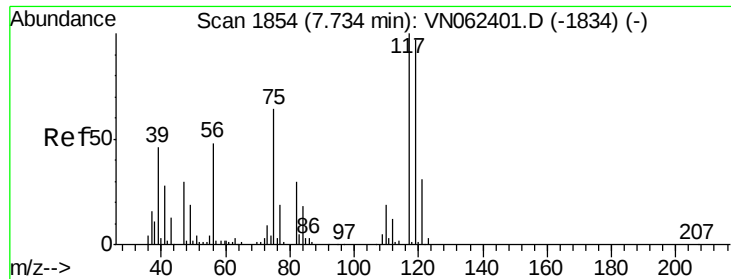


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

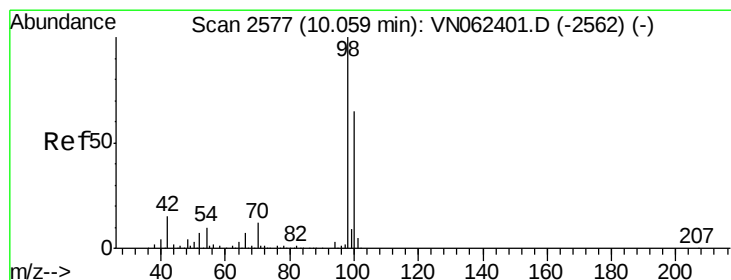
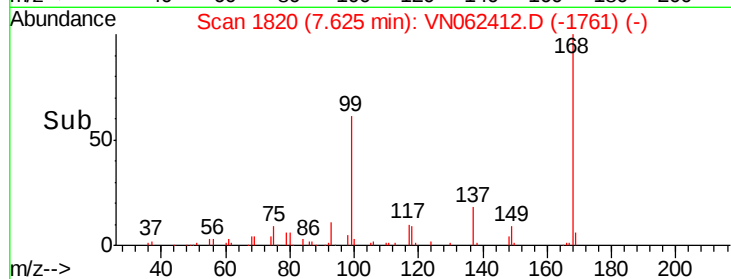
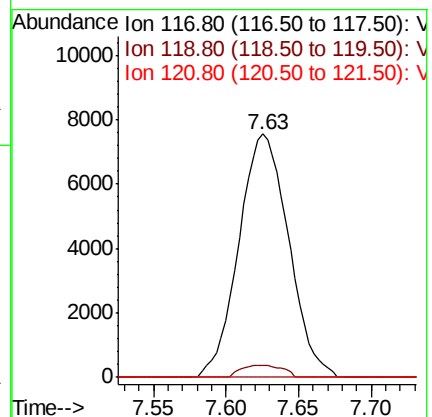
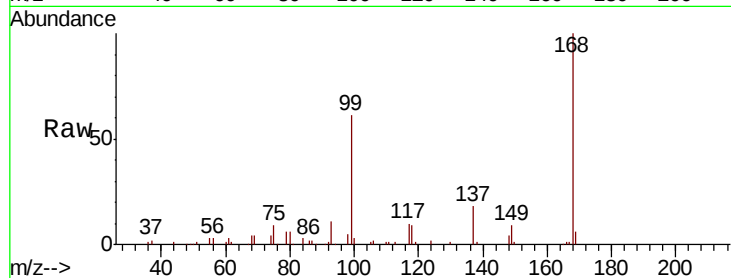




#38
Carbon Tetrachloride
Concen: 6.380 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062412.D
Acq: 8 Jul 2020 17:26

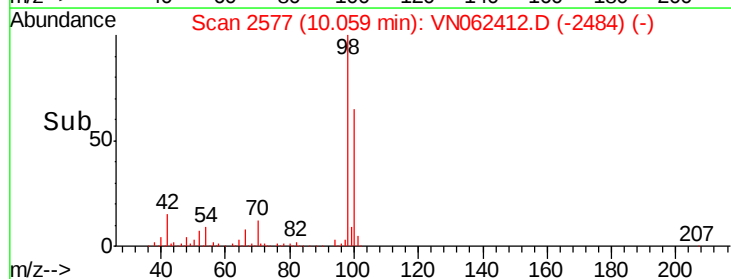
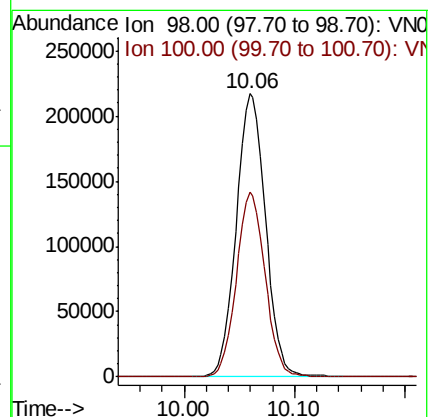
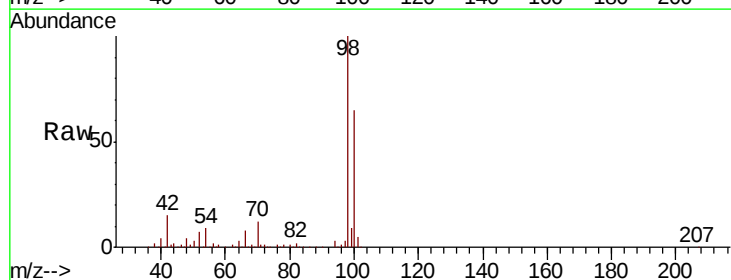
Instrument :
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STORAGE-BLANK-SOIL-REF-6

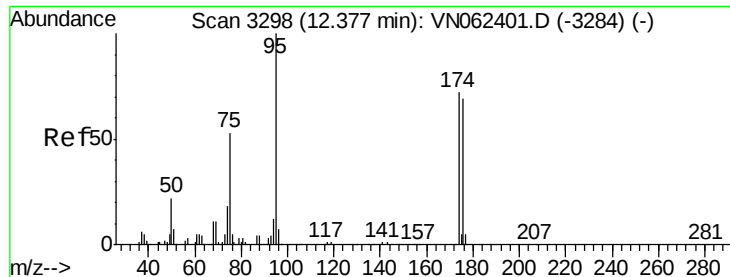
Tot Ion:117 Resp: 18057
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.427 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062412.D
Acq: 8 Jul 2020 17:26

Tgt Ion: 98 Resp: 399765
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 48.619 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062412.D

Acq: 8 Jul 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

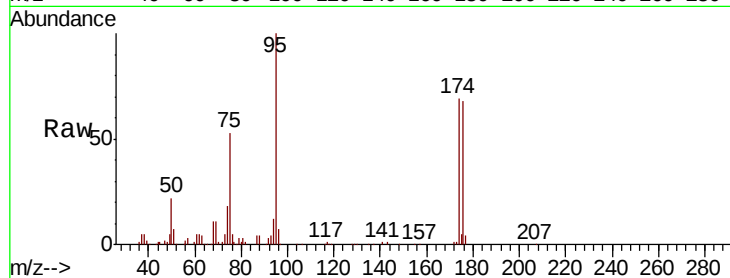
Tot Ion: 95 Resp: 135475

Ion Ratio Lower Upper

95 100

174 70.8 0.0 141.6

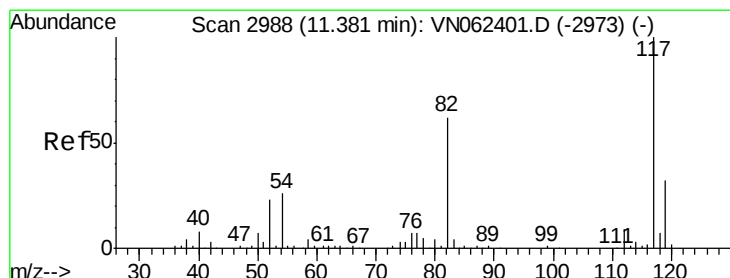
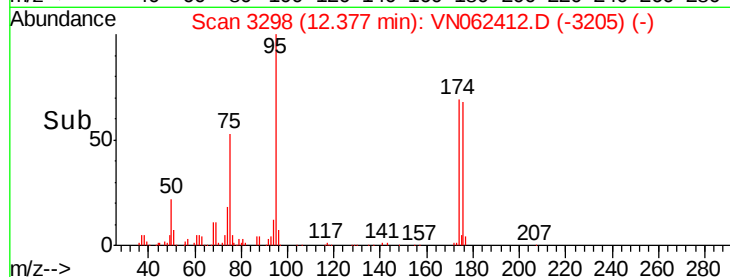
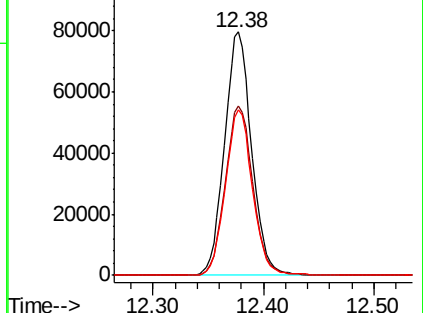
176 68.0 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062412.D (-2895) (-)

Ion 173.80 (173.50 to 174.50): VN062412.D (-2895) (-)

Ion 175.80 (175.50 to 176.50): VN062412.D (-2895) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062412.D

Acq: 8 Jul 2020 17:26

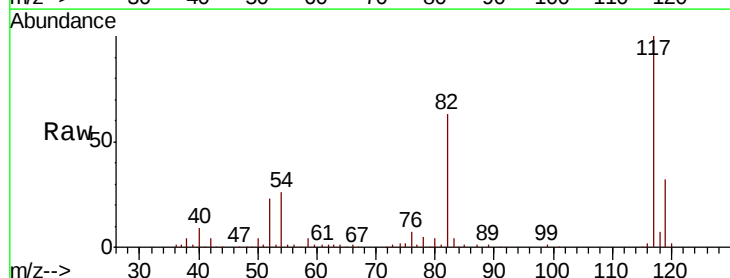
Tgt Ion: 117 Resp: 286753

Ion Ratio Lower Upper

117 100

82 62.5 49.6 74.4

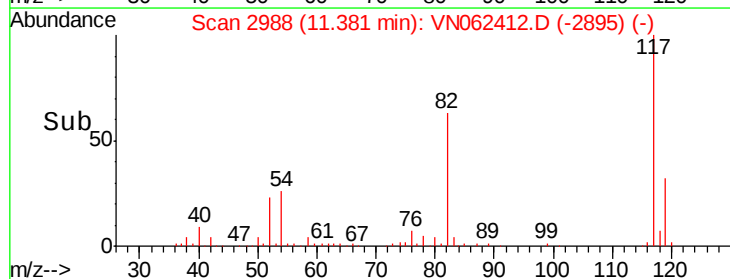
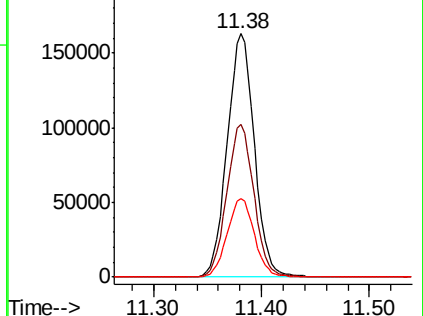
119 32.4 25.4 38.0

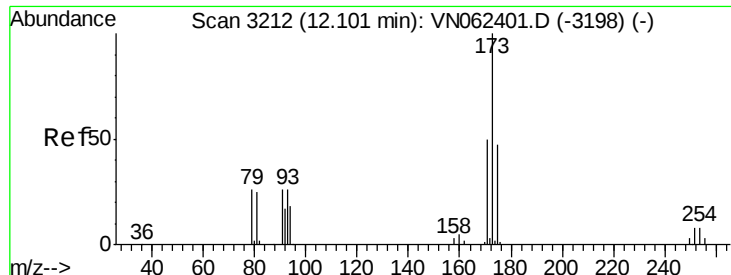


Abundance Ion 116.90 (116.60 to 117.60): VN062412.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062412.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062412.D (-2895) (-)





#71

Bromoform

Concen: 0.455 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062412.D

Acq: 8 Jul 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

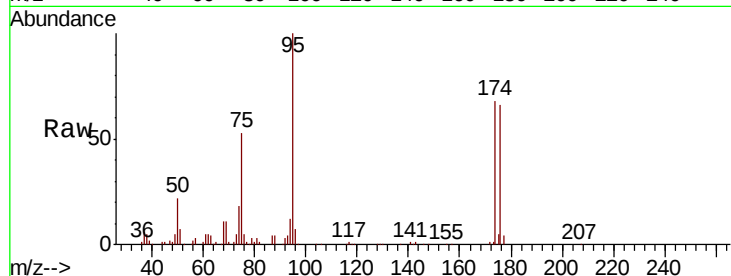
Tot Ion:173 Resp: 685

Ion Ratio Lower Upper

173 100

175 886.1 23.7 71.1#

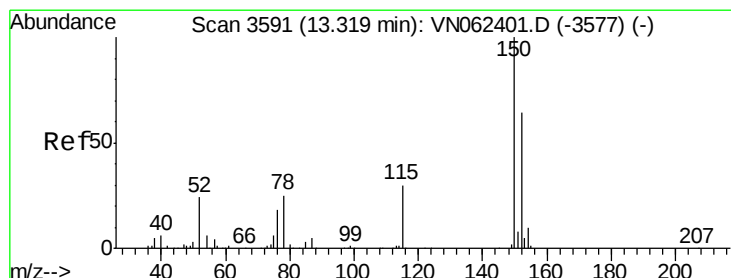
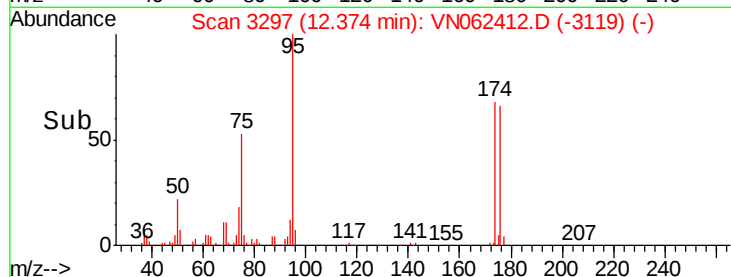
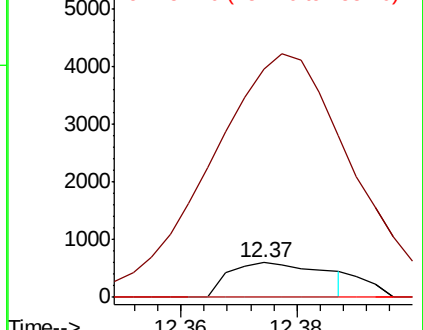
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN062412.D

Acq: 8 Jul 2020 17:26

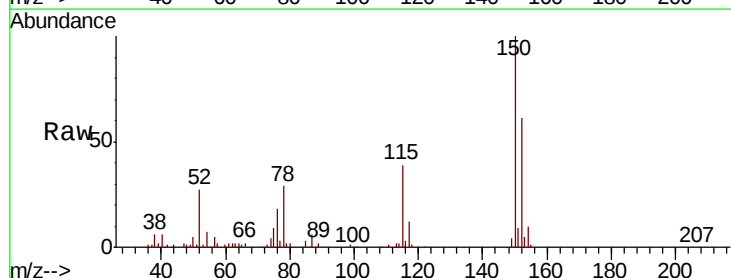
Tgt Ion:152 Resp: 95573

Ion Ratio Lower Upper

152 100

115 64.3 31.4 94.2

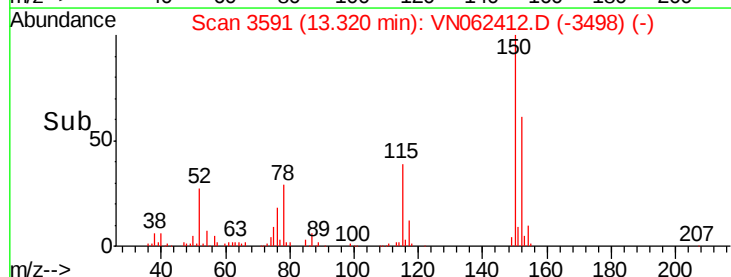
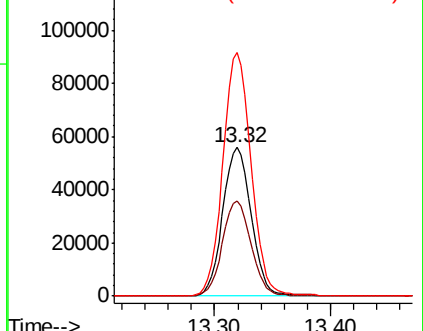
150 161.2 0.0 347.4

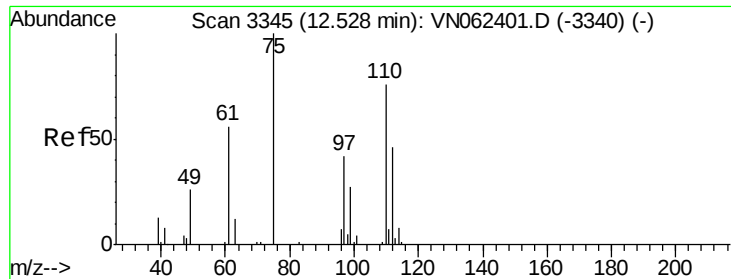


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

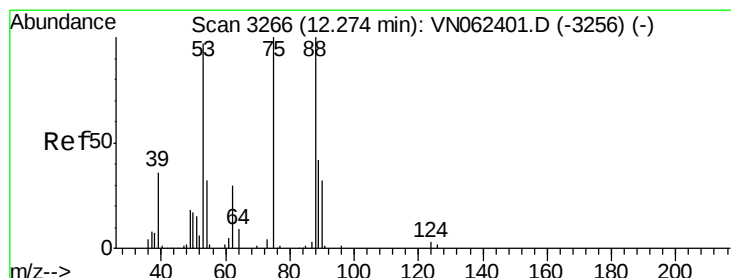
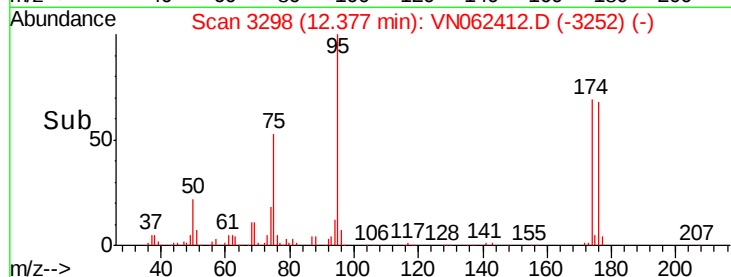
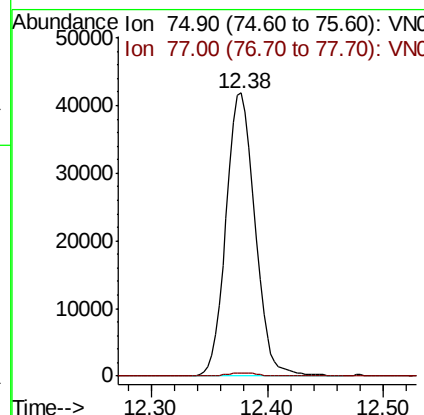
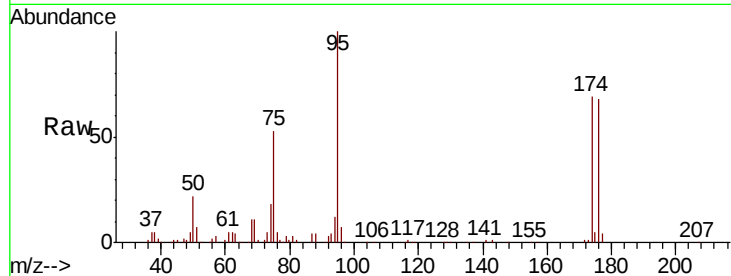




#76
 1,2,3-Trichloropropane
 Concen: 30.906 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062412.D
 Acq: 8 Jul 2020 17:26

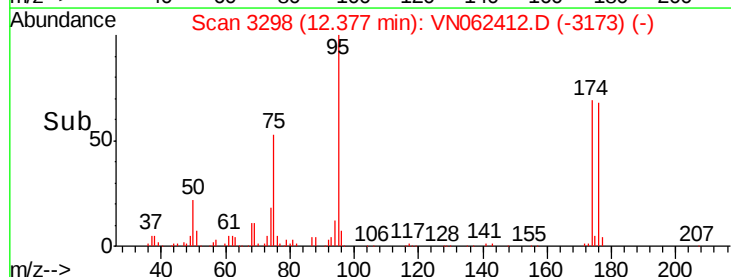
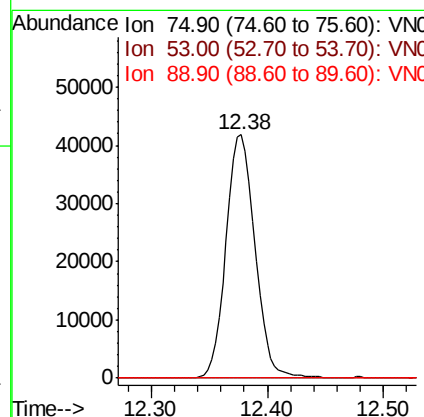
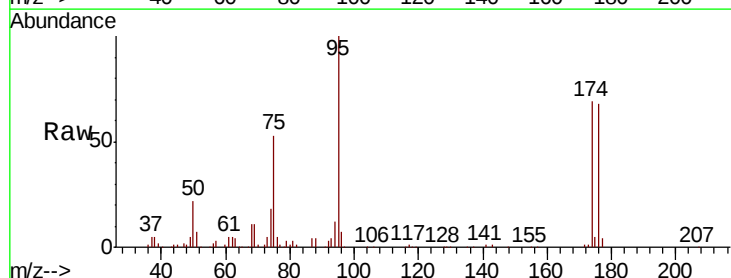
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

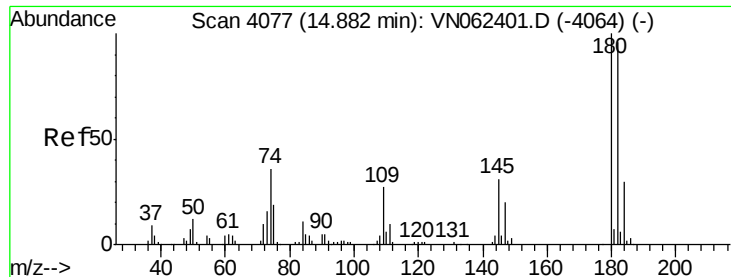
Tot Ion: 75 Resp: 72476
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.723 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062412.D
 Acq: 8 Jul 2020 17:26

Tgt Ion: 75 Resp: 72476
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 34.6 52.0#

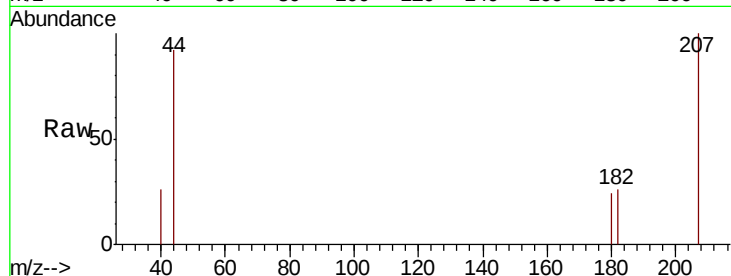




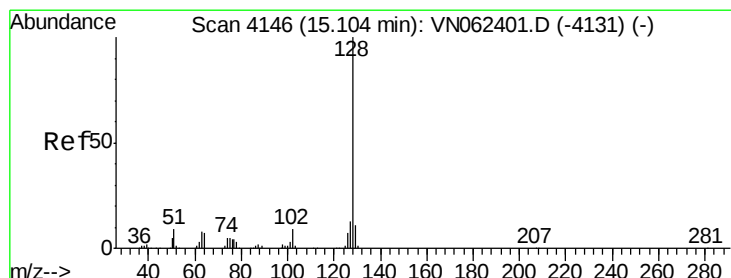
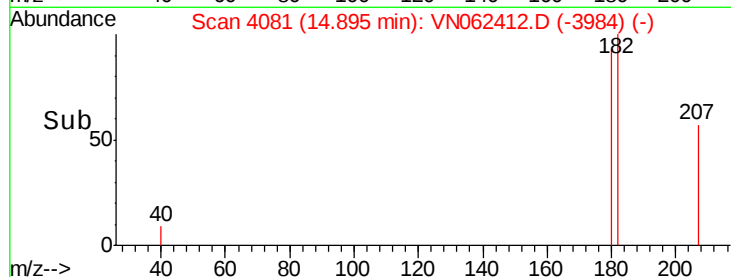
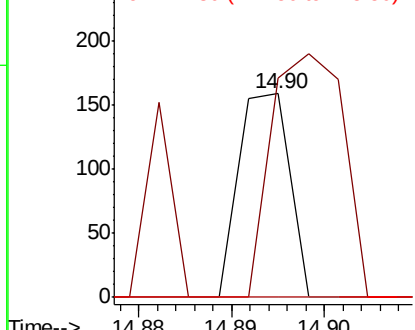
#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.90 min Scan# 4081
 Delta R.T. 0.01 min
 Lab File: VN062412.D
 Acq: 8 Jul 2020 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion:180 Resp: 61
 Ion Ratio Lower Upper
 180 100
 182 167.2 48.4 145.2#
 145 0.0 15.5 46.5#

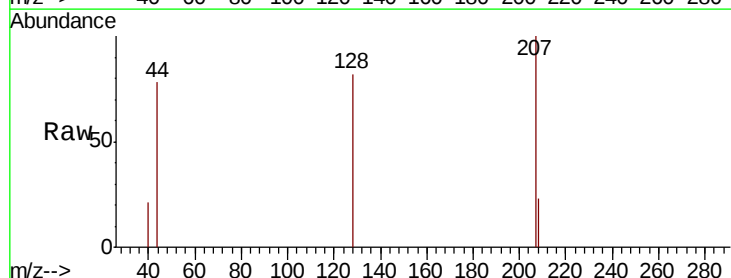


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

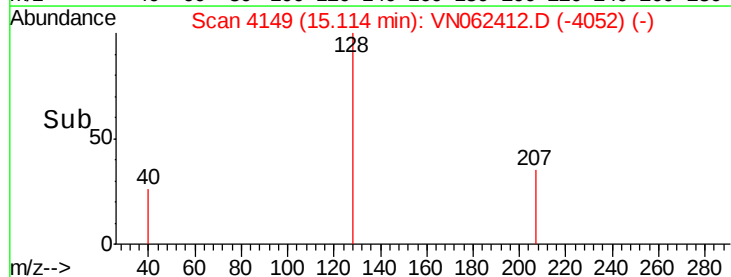
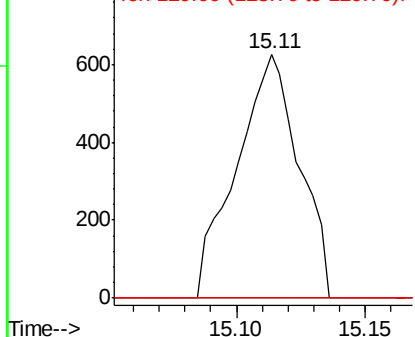


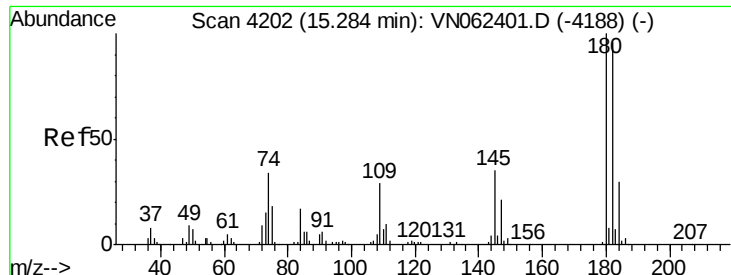
#95
 Naphthalene
 Concen: Below Cal
 RT: 15.11 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: VN062412.D
 Acq: 8 Jul 2020 17:26

Tgt Ion:128 Resp: 1059
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

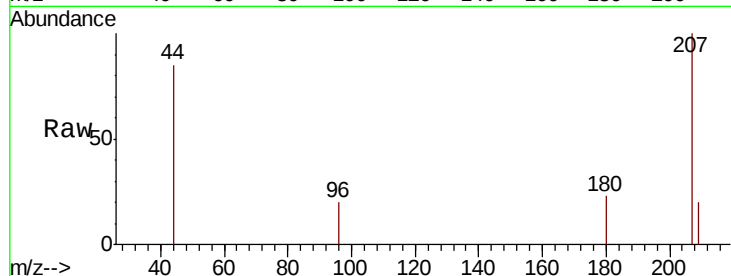




#96
 1,2,3-Trichlorobenzene
 Concen: 3.327 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.01 min
 Lab File: VN062412.D
 Acq: 8 Jul 2020 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion	Ratio	Lower	Upper
180	100		
182	17.4	47.8	143.4#
145	0.0	17.0	50.9#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

