

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062414.D
 Acq On : 8 Jul 2020 18:14
 Operator : JC/MD
 Sample : L3229-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-4

Quant Time: Jul 09 02:23:09 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	177041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	320327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	307829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	111959	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	142486	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.64%	
35) Dibromofluoromethane	7.55	113	103135	52.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.18%	
50) Toluene-d8	10.06	98	413119	52.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.38	95	146804	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	

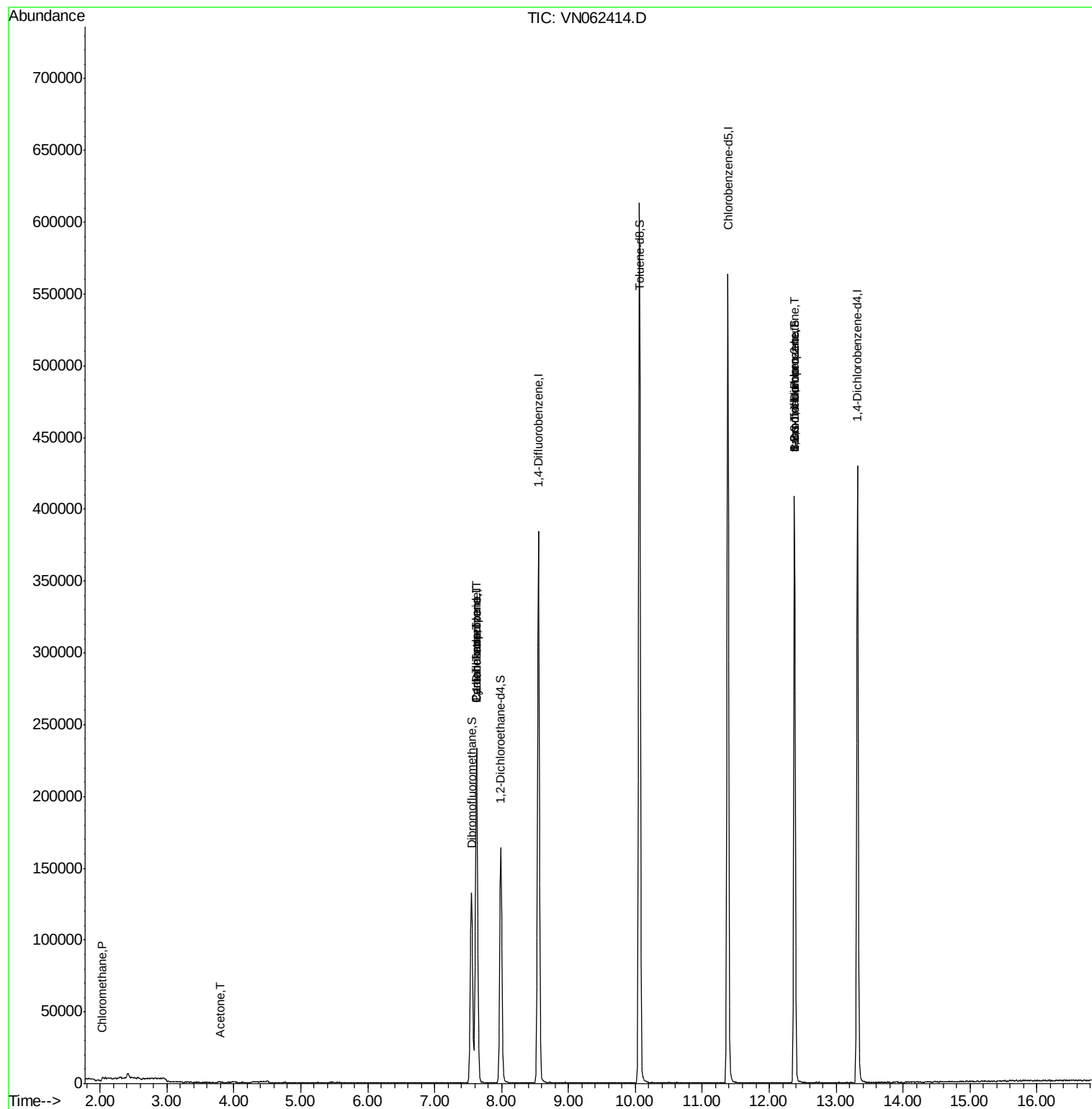
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1148	0.397	ug/l	96
16) Acetone	3.78	43	309	0.267	ug/l #	45
31) Cyclohexane	7.62	56	4310	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15945	4.941	ug/l #	51
38) Carbon Tetrachloride	7.63	117	18545	6.392	ug/l #	17
71) Bromoform	12.38	173	509	0.315	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	78214	28.472	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	78214	76.207	ug/l #	10
95) Naphthalene	15.11	128	113	Below Cal	#	70

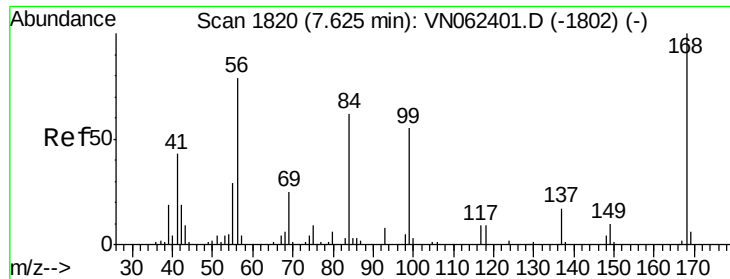
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 2020
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: VN062414.D

Acq: 8 Jul 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

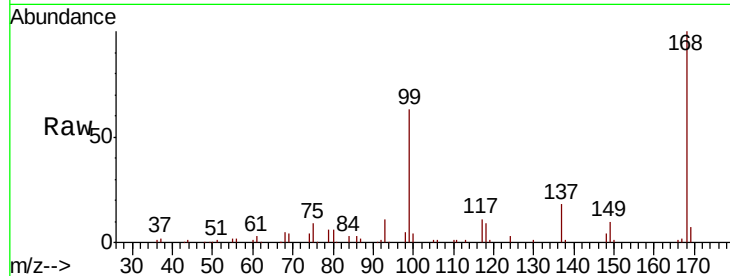
STORAGE-BLANK-SOIL-REF-4

Tot Ion:168 Resp: 177041

Ion Ratio Lower Upper

168 100

99 62.6 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

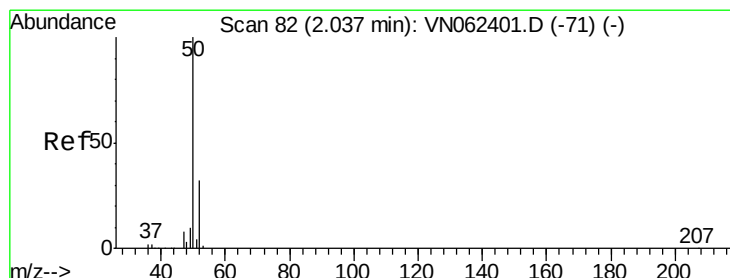
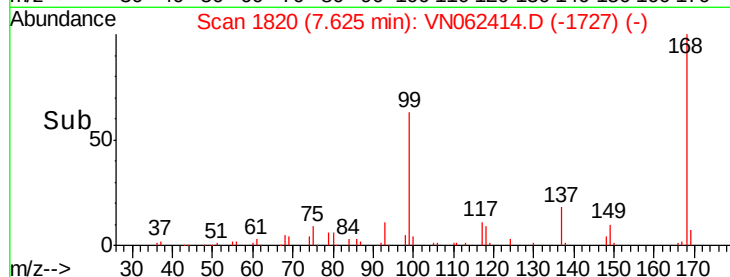
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.397 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062414.D

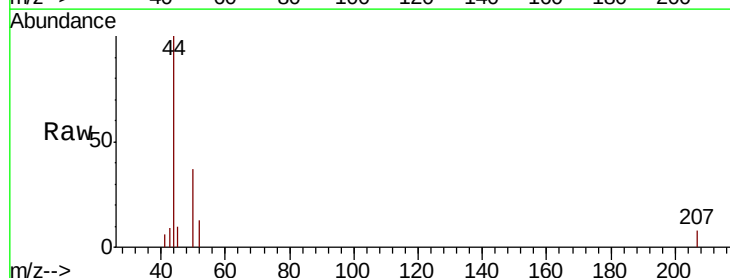
Acq: 8 Jul 2020 18:14

Tgt Ion: 50 Resp: 1148

Ion Ratio Lower Upper

50 100

52 34.3 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1000

800

600

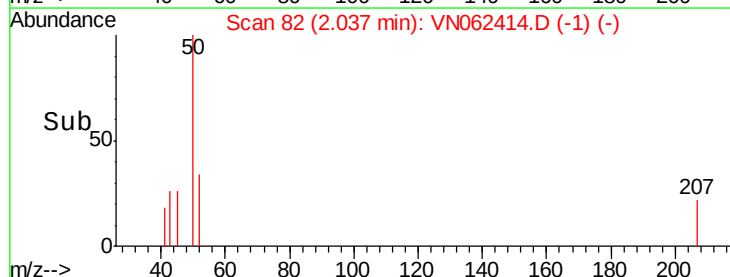
400

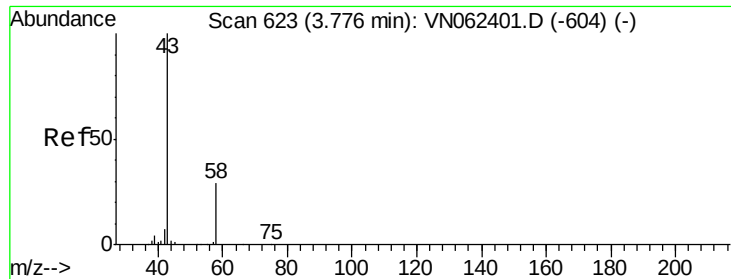
200

0

2.00 2.02 2.04 2.06 2.08

Time-->

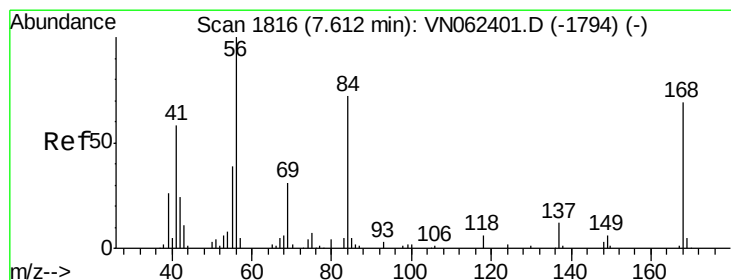
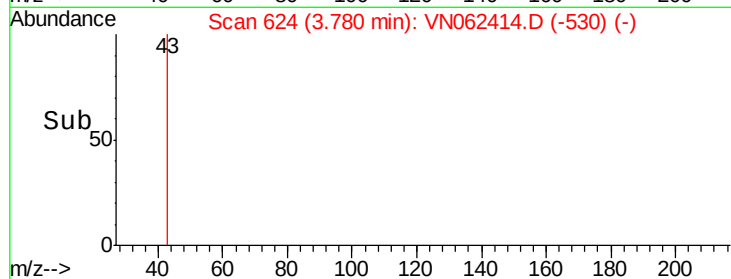
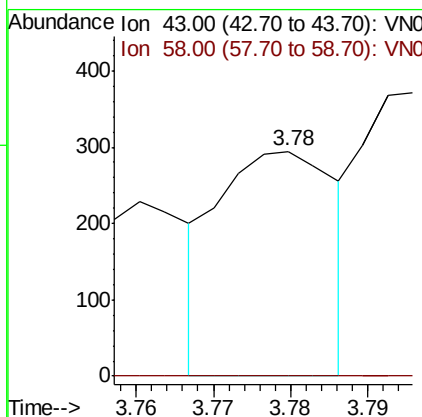
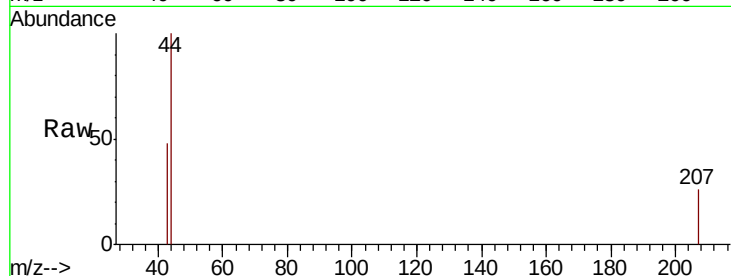




#16
Acetone
Concen: 0.267 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.00 min
Lab File: VN062414.D
Acq: 8 Jul 2020 18:14

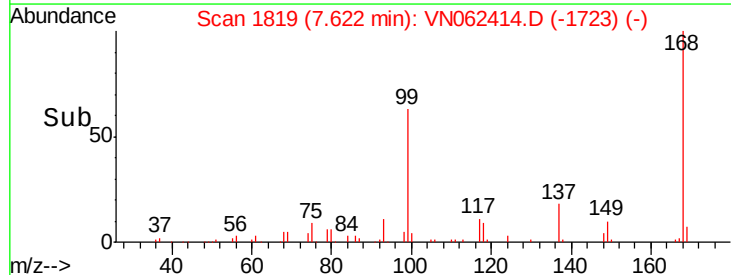
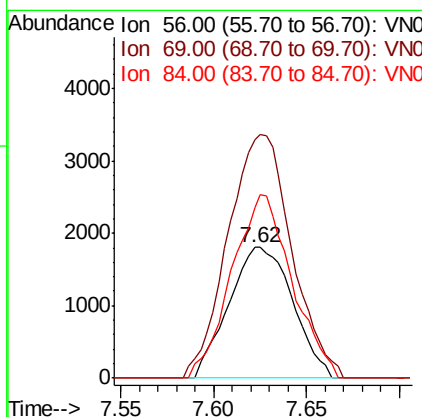
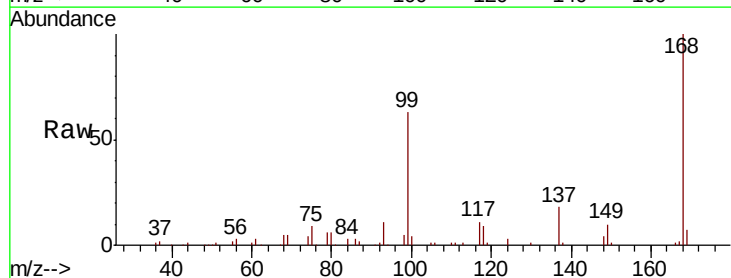
Instrument :
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STORAGE-BLANK-SOIL-REF-4

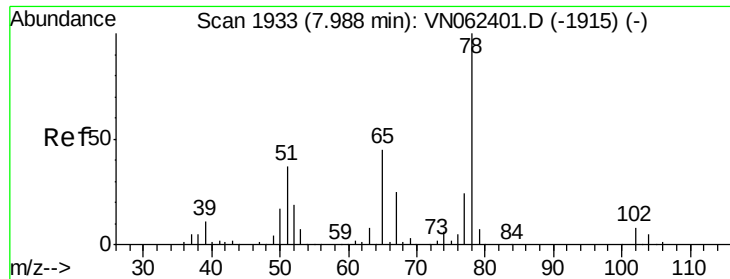
Tot Ion: 43 Resp: 309
Ion Ratio Lower Upper
43 100
58 0.0 23.5 35.3#



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062414.D
Acq: 8 Jul 2020 18:14

Tgt Ion: 56 Resp: 4310
Ion Ratio Lower Upper
56 100
69 174.5 24.5 36.7#
84 130.8 57.4 86.2#

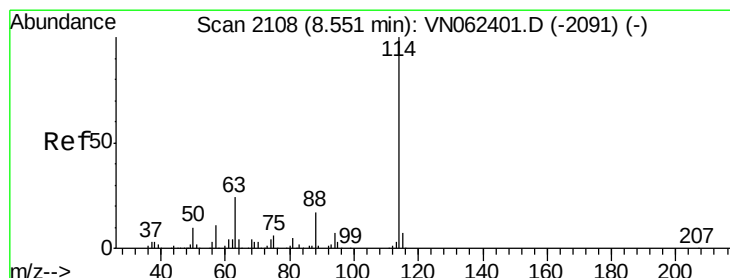
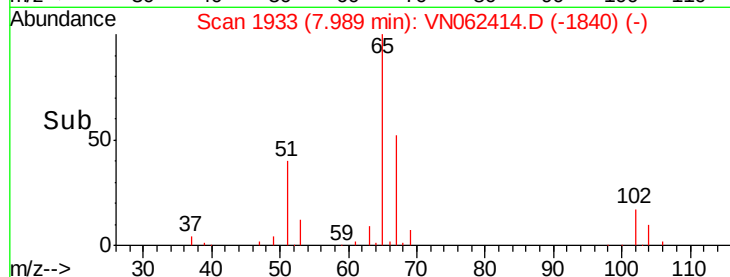
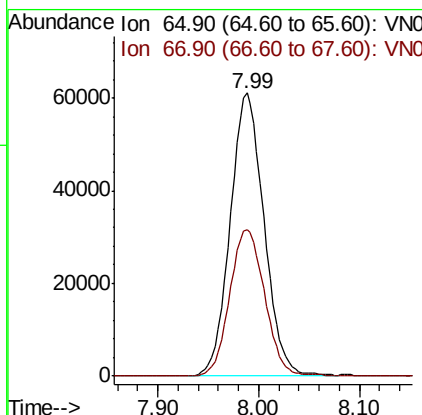
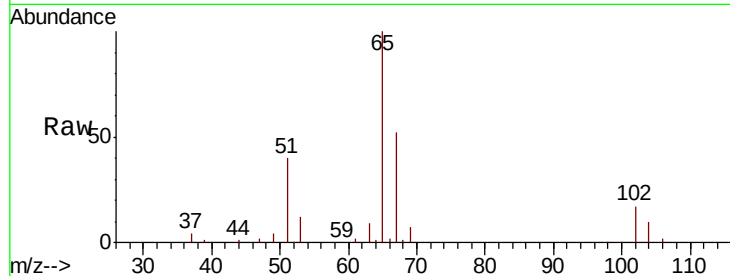




#33
 1,2-Dichloroethane-d4
 Concen: 52.325 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062414.D
 Acq: 8 Jul 2020 18:14

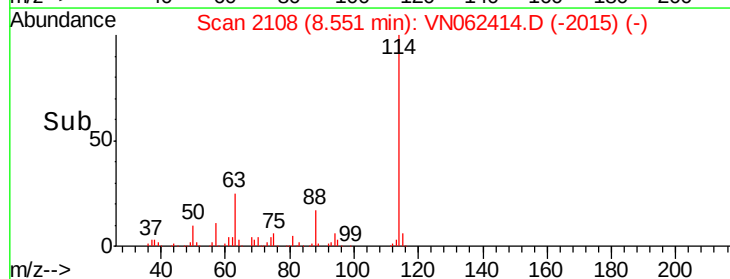
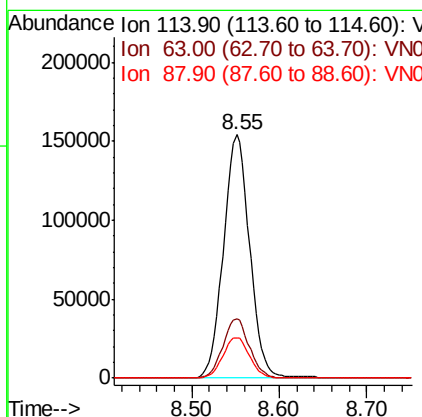
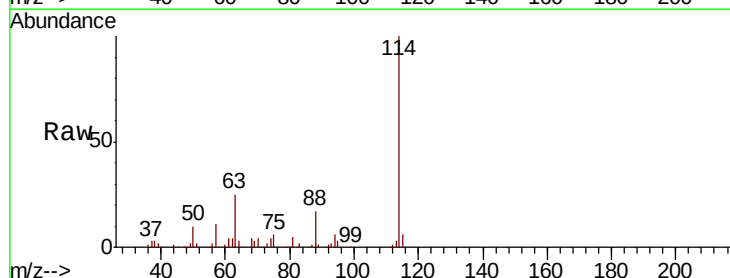
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-4

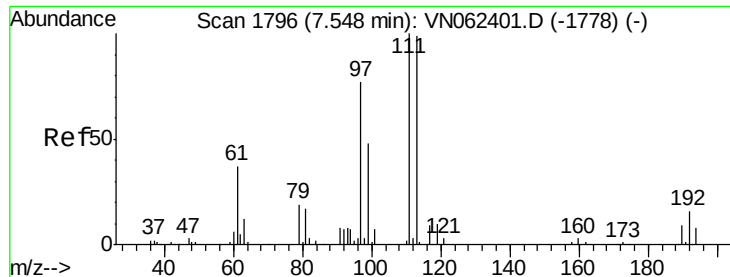
Tot Ion: 65 Resp: 142486
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062414.D
 Acq: 8 Jul 2020 18:14

Tgt Ion: 114 Resp: 320327
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.4
 88 16.7 0.0 33.8

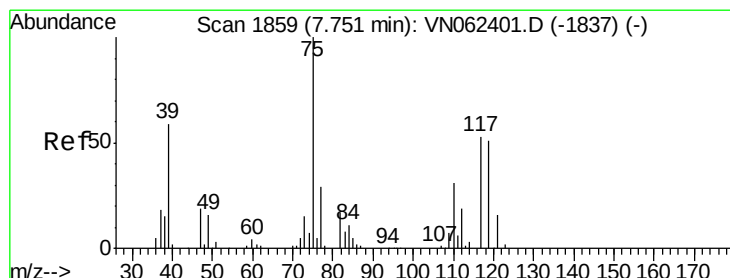
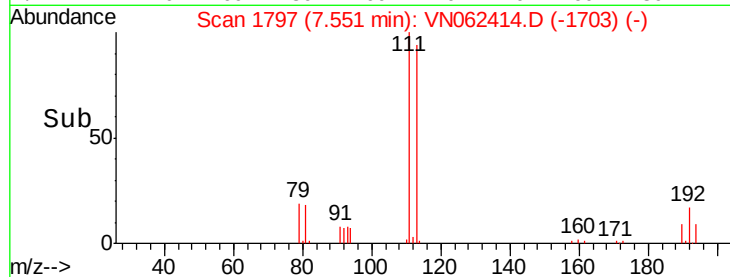
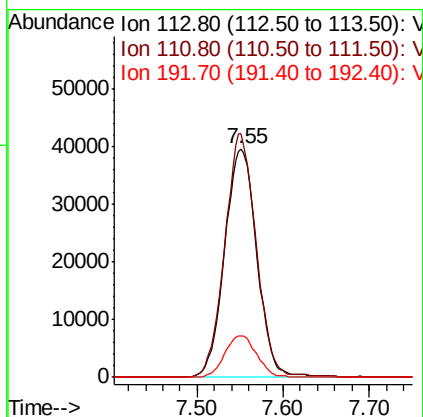
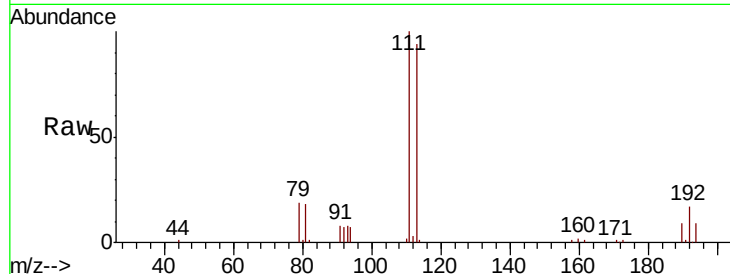




#35
 Dibromofluoromethane
 Concen: 52.087 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062414.D
 Acq: 8 Jul 2020 18:14

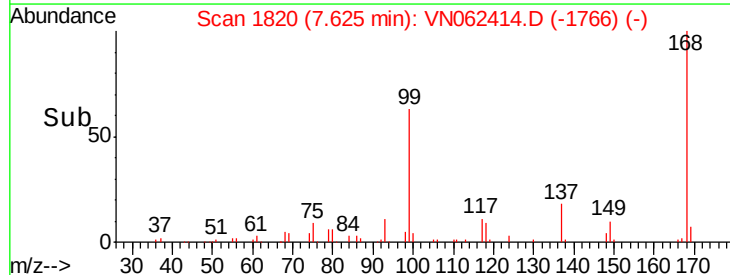
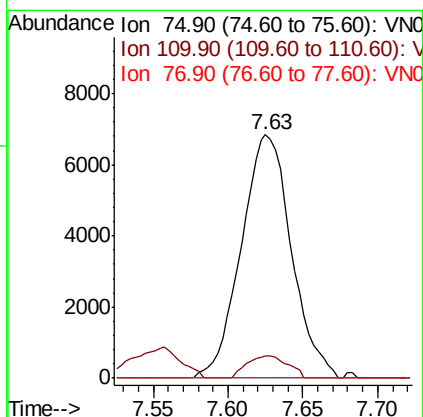
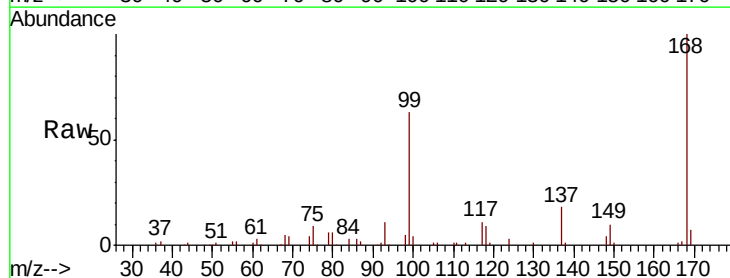
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-4

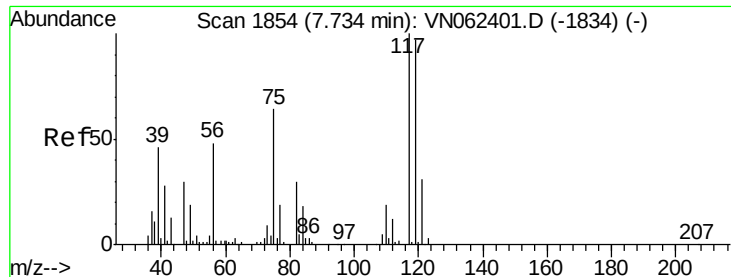
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.1	124.7
192	18.0	14.1	21.1



#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062414.D
 Acq: 8 Jul 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	15.4	46.2#
77	0.0	24.1	36.1#

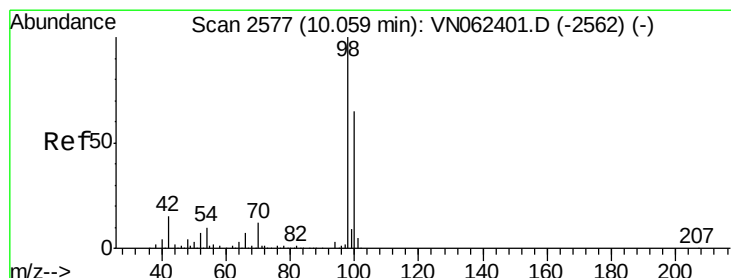
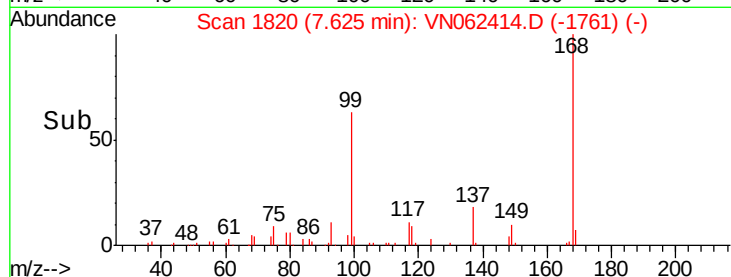
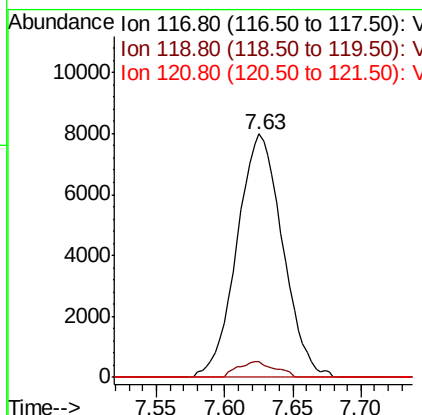
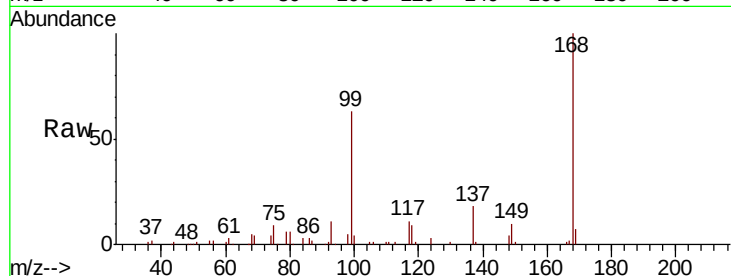




#38
Carbon Tetrachloride
Concen: 6.392 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062414.D
Acq: 8 Jul 2020 18:14

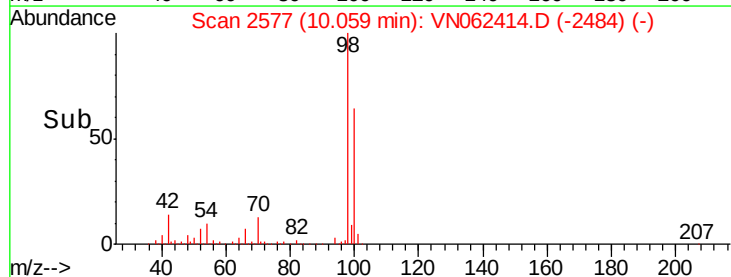
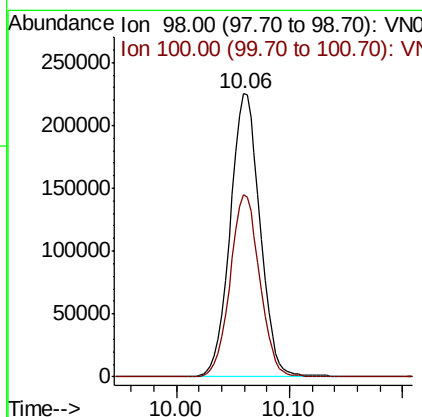
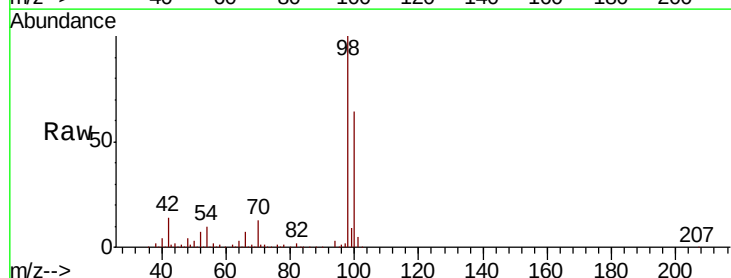
Instrument :
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ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

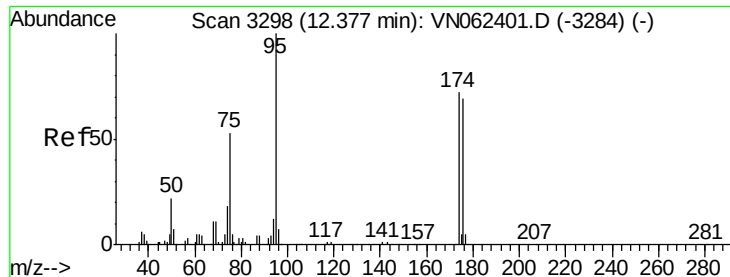
Tot Ion:117 Resp: 18545
Ion Ratio Lower Upper
117 100
119 6.2 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.851 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062414.D
Acq: 8 Jul 2020 18:14

Tgt Ion: 98 Resp: 413119
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 51.394 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062414.D

Acq: 8 Jul 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

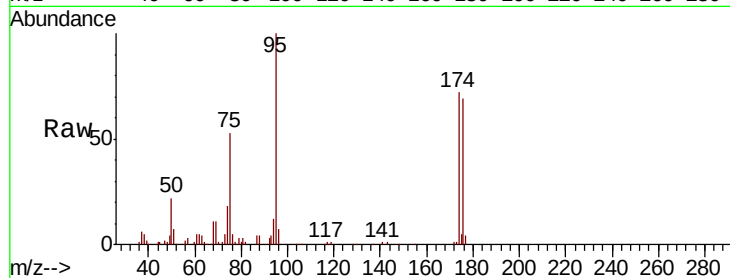
Tot Ion: 95 Resp: 146804

Ion Ratio Lower Upper

95 100

174 71.8 0.0 141.6

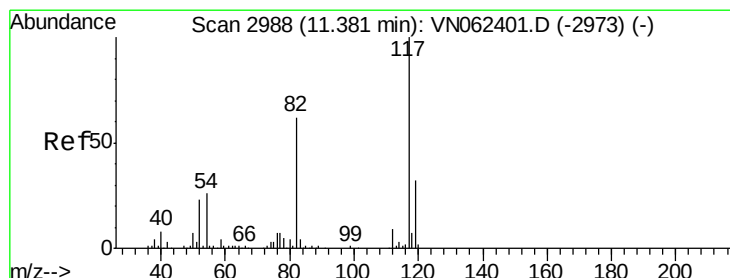
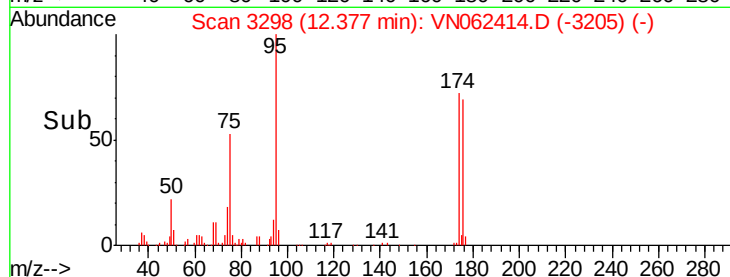
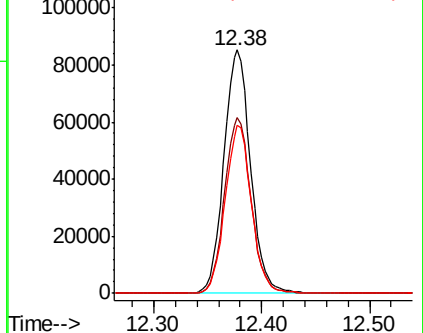
176 68.3 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062414.D (-3298) (-)

Ion 173.80 (173.50 to 174.50): VN062414.D (-3298) (-)

Ion 175.80 (175.50 to 176.50): VN062414.D (-3298) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062414.D

Acq: 8 Jul 2020 18:14

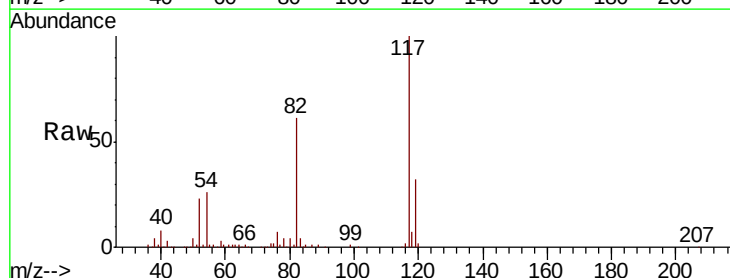
Tgt Ion: 117 Resp: 307829

Ion Ratio Lower Upper

117 100

82 60.5 49.6 74.4

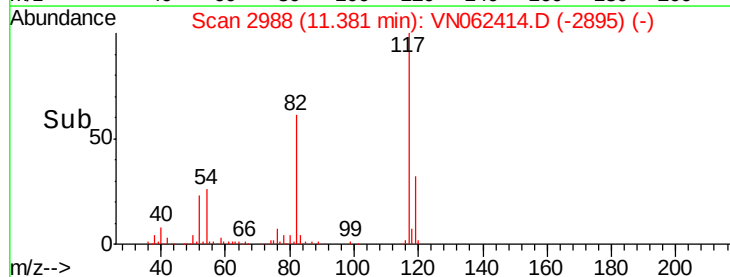
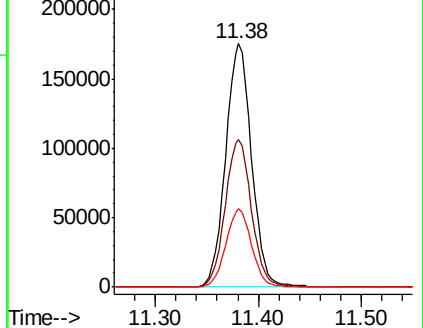
119 32.2 25.4 38.0

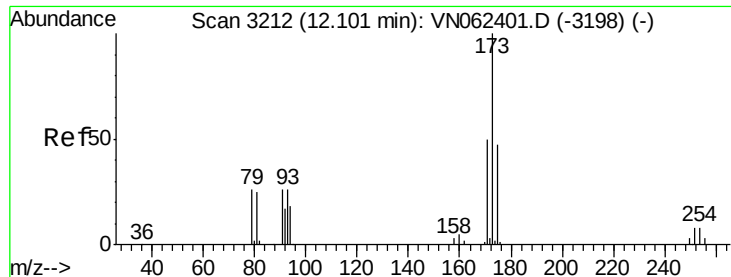


Abundance Ion 116.90 (116.60 to 117.60): VN062414.D (-2988) (-)

Ion 82.00 (81.70 to 82.70): VN062414.D (-2988) (-)

Ion 118.90 (118.60 to 119.60): VN062414.D (-2988) (-)





#71

Bromoform

Concen: 0.315 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062414.D

Acq: 8 Jul 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

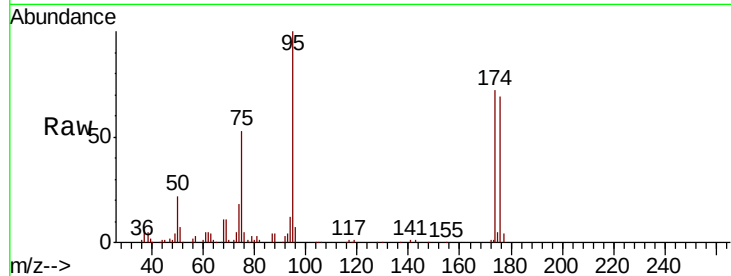
Tot Ion:173 Resp: 509

Ion Ratio Lower Upper

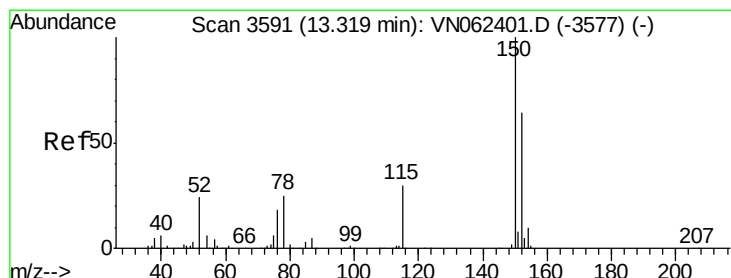
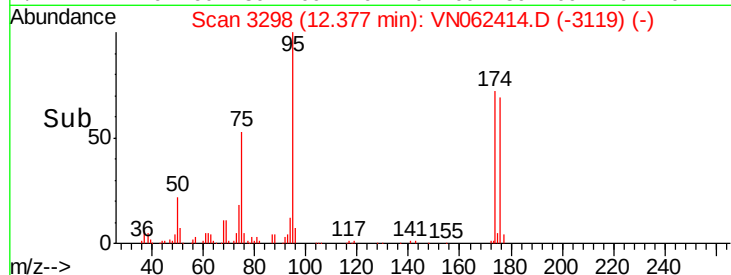
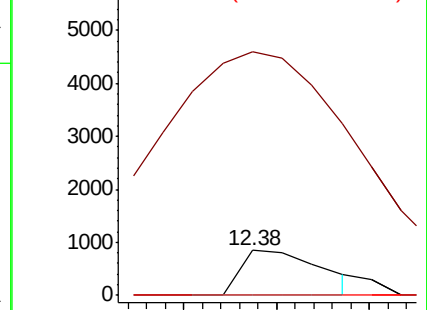
173 100

175 1251.1 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: VN062414.D

Acq: 8 Jul 2020 18:14

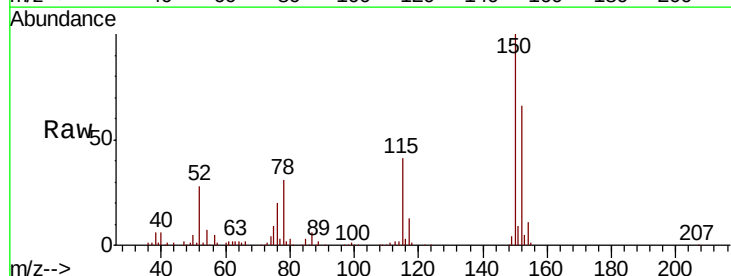
Tgt Ion:152 Resp: 111959

Ion Ratio Lower Upper

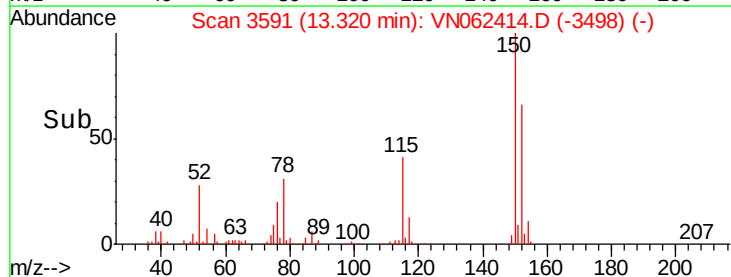
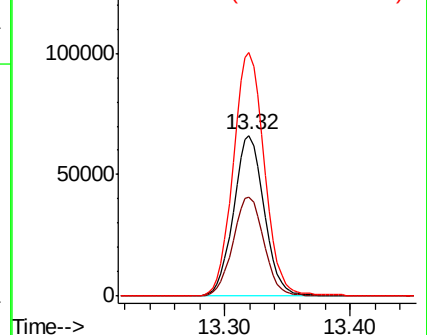
152 100

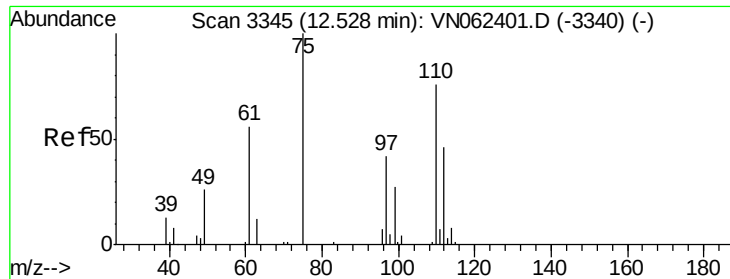
115 62.9 31.4 94.2

150 155.4 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: 28.472 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062414.D

Acq: 8 Jul 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

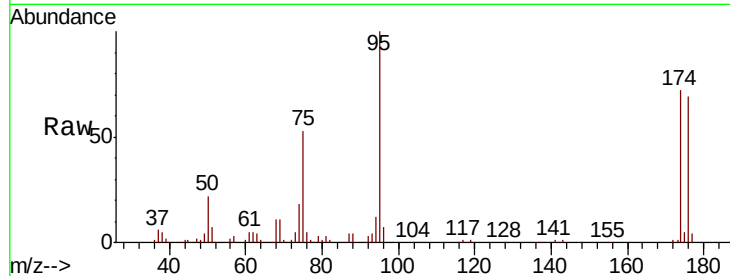
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 75 Resp: 78214

Ion Ratio Lower Upper

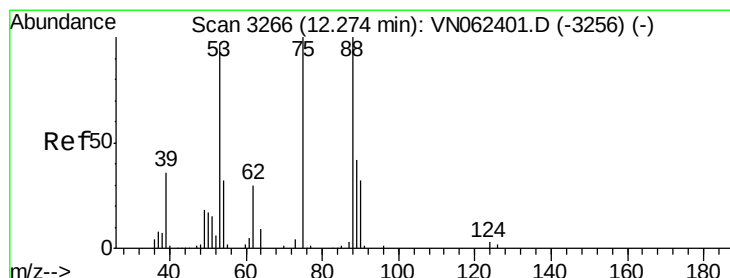
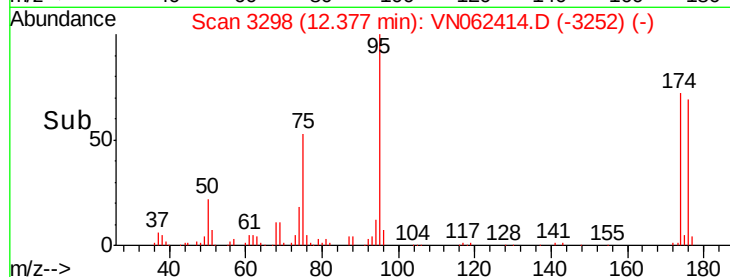
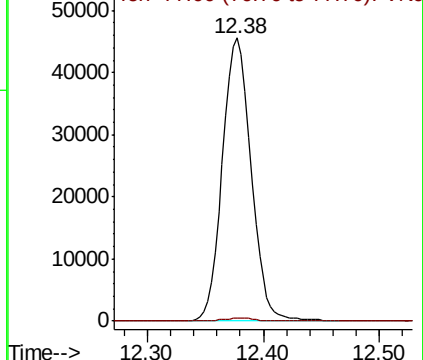
75 100

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: 76.207 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062414.D

Acq: 8 Jul 2020 18:14

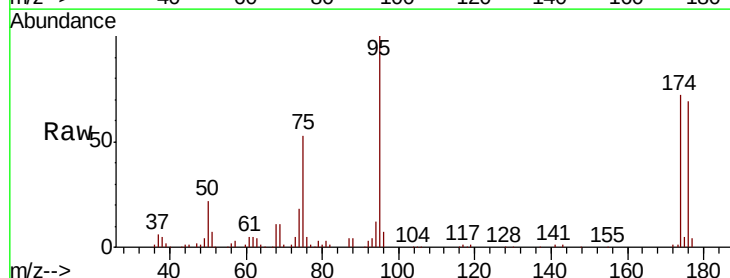
Tgt Ion: 75 Resp: 78214

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

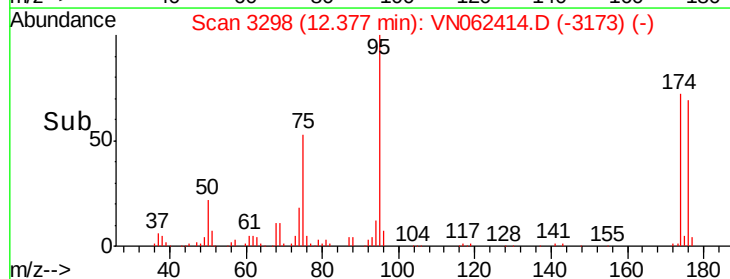
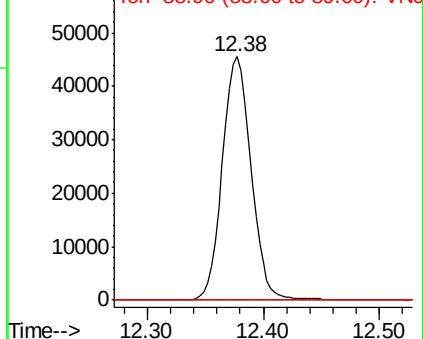
89 0.0 34.6 52.0#

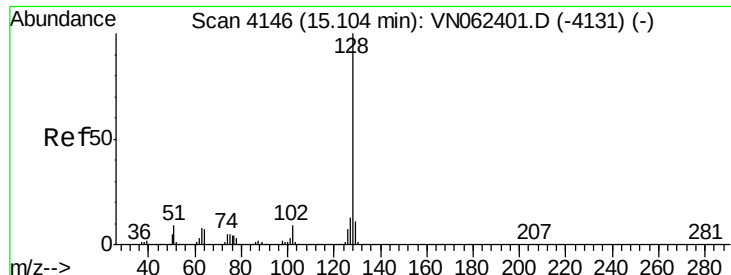


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95
Naphthalene
Concen: Below Cal
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062414.D
Acq: 8 Jul 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	12.8#

