

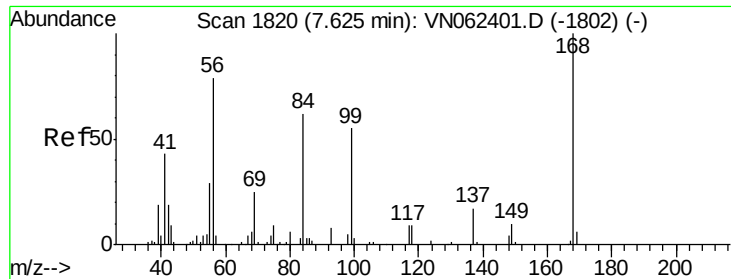
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062413.D
 Acq On : 8 Jul 2020 17:50
 Operator : JC/MD
 Sample : L3229-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

Quant Time: Jul 09 02:22:59 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	178179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	319490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	305417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	109697	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	139499	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
35) Dibromofluoromethane	7.55	113	104195	52.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.52%	
50) Toluene-d8	10.06	98	415931	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.38	95	147720	51.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.70%	
Target Compounds						
3) Chloromethane	2.04	50	1066	0.366	ug/l	94
16) Acetone	3.77	43	437	0.376	ug/l #	45
31) Cyclohexane	7.62	56	4311	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	15739	4.890	ug/l #	51
38) Carbon Tetrachloride	7.63	117	18048	6.237	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	2076	0.585	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	78098	29.016	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	78098	77.663	ug/l #	10
95) Naphthalene	15.11	128	530	Below Cal	#	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062413.D

Acq: 8 Jul 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

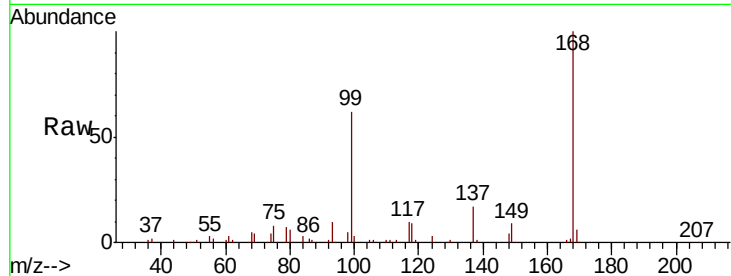
STORAGE-BLANK-SOIL-REF-5

Tot Ion:168 Resp: 178179

Ion Ratio Lower Upper

168 100

99 62.0 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): VN062401.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062401.D (-1802) (-)

7.63

80000

60000

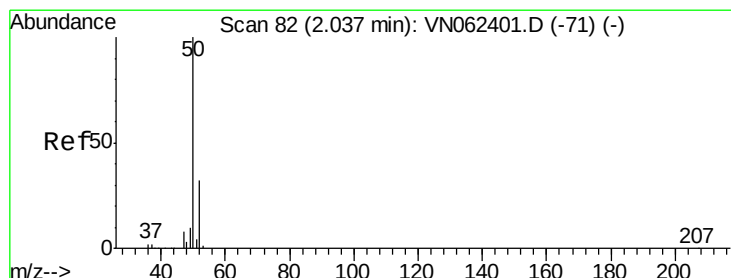
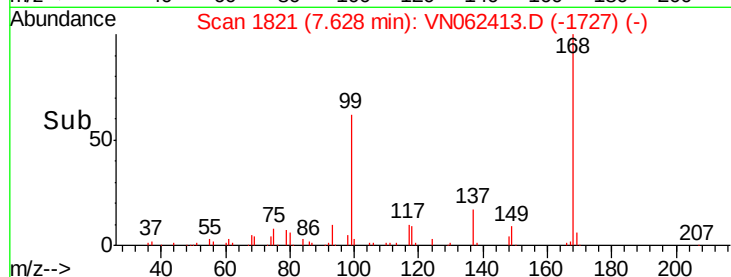
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.366 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062413.D

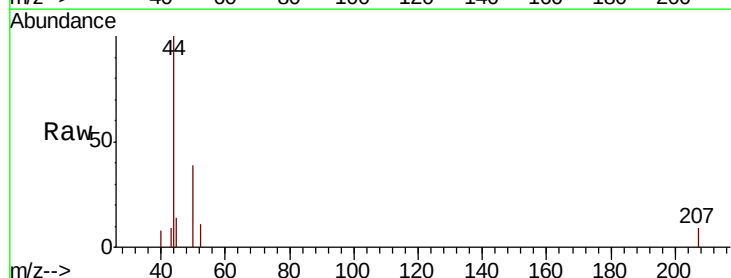
Acq: 8 Jul 2020 17:50

Tgt Ion: 50 Resp: 1066

Ion Ratio Lower Upper

50 100

52 28.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN062401.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN062401.D (-71) (-)

2.04

1000

800

600

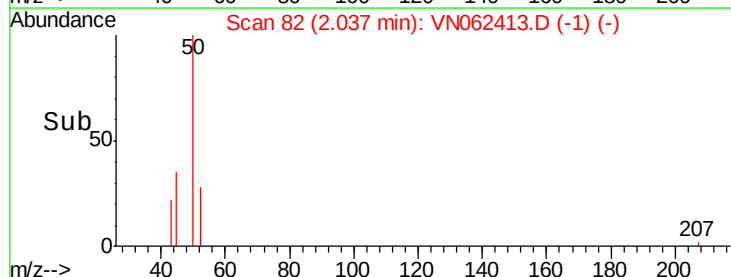
400

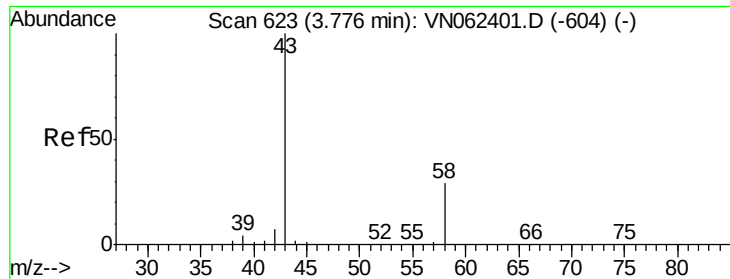
200

0

2.00 2.02 2.04 2.06

Time-->

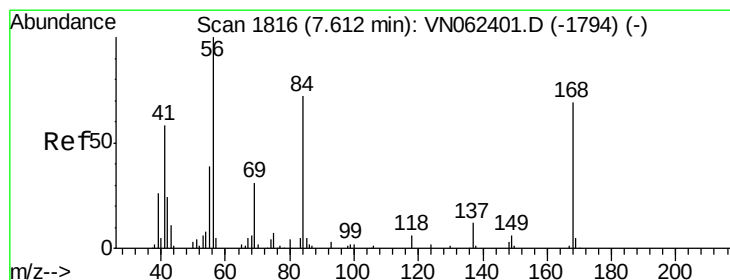
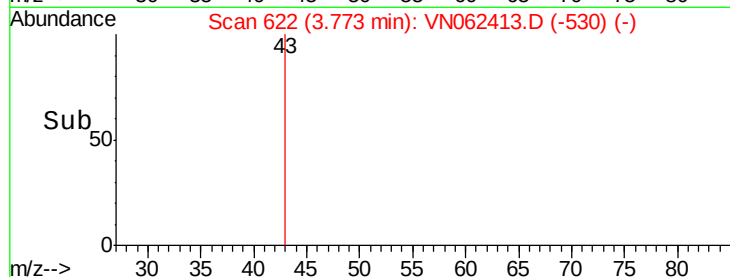
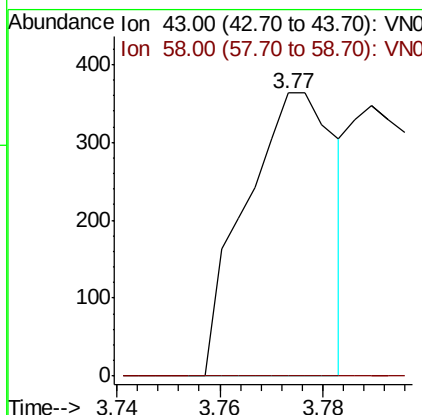
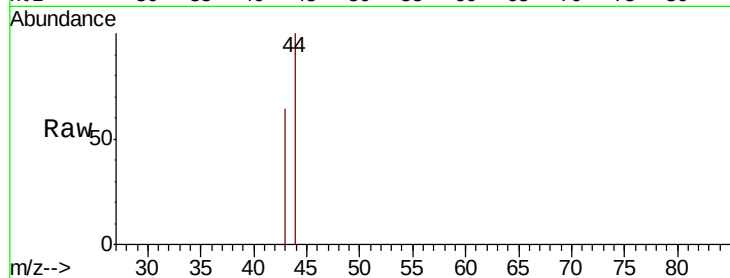




#16
Acetone
Concen: 0.376 ug/l
RT: 3.77 min Scan# 622
Delta R.T. -0.00 min
Lab File: VN062413.D
Acq: 8 Jul 2020 17:50

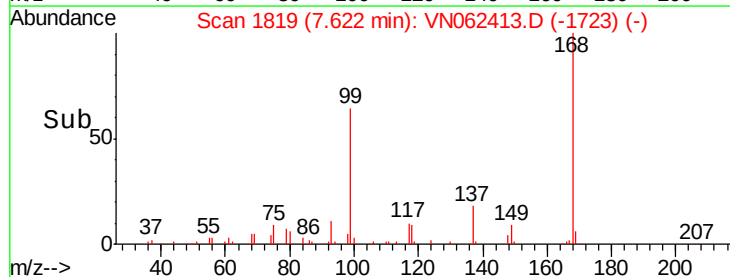
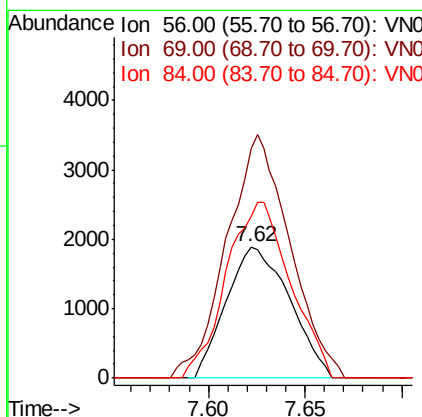
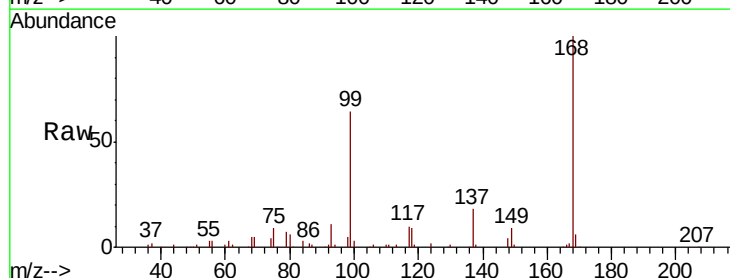
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

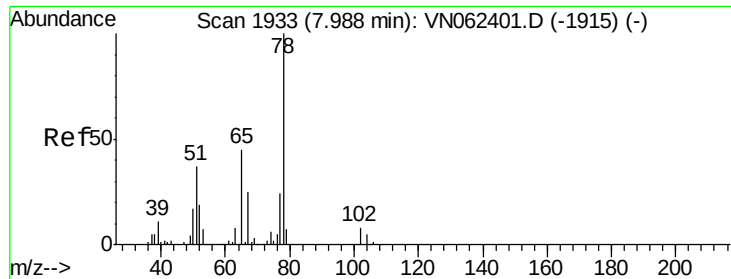
Tot Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
58 0.0 23.5 35.3#



#31
Cyclohexane
Concen: 1.036 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062413.D
Acq: 8 Jul 2020 17:50

Tgt Ion: 56 Resp: 4311
Ion Ratio Lower Upper
56 100
69 166.0 24.5 36.7#
84 122.8 57.4 86.2#

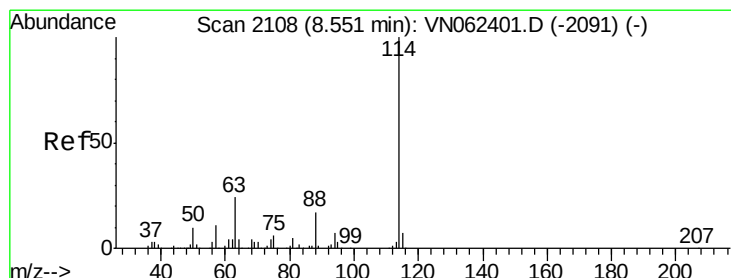
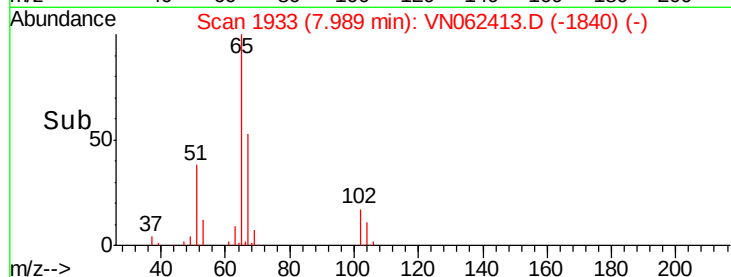
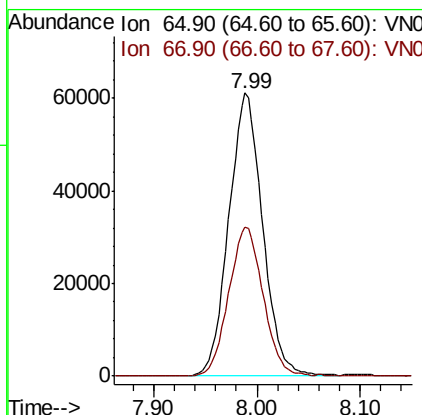
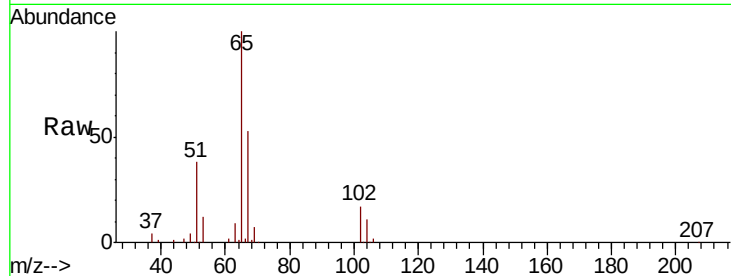




#33
 1,2-Dichloroethane-d4
 Concen: 50.901 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062413.D
 Acq: 8 Jul 2020 17:50

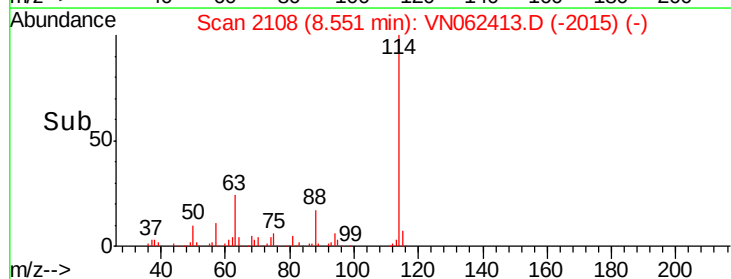
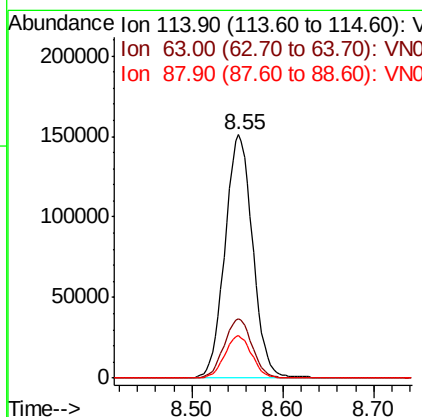
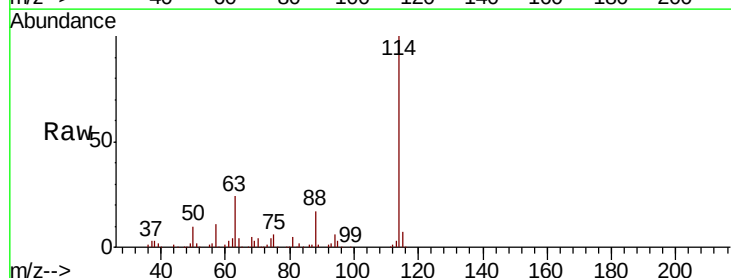
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

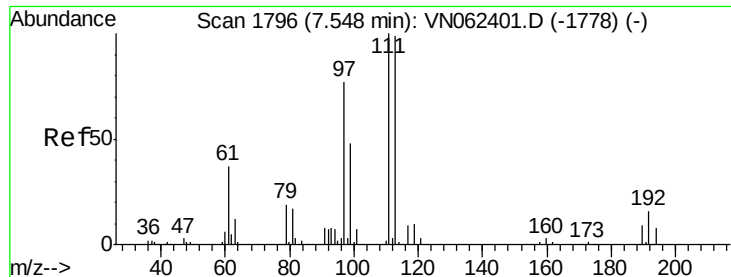
Tot Ion: 65 Resp: 139499
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062413.D
 Acq: 8 Jul 2020 17:50

Tgt Ion: 114 Resp: 319490
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.4
 88 17.3 0.0 33.8

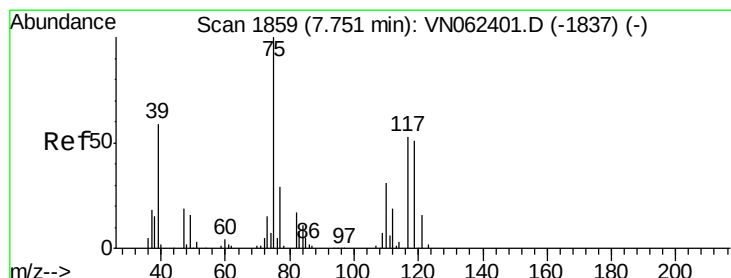
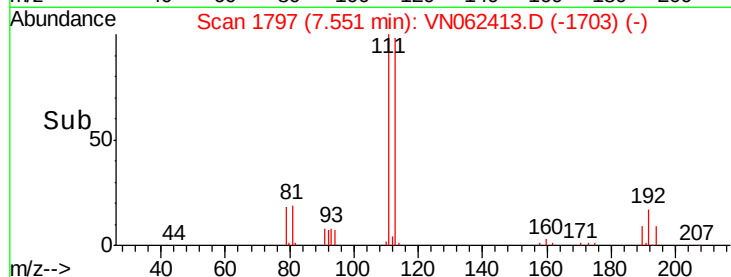
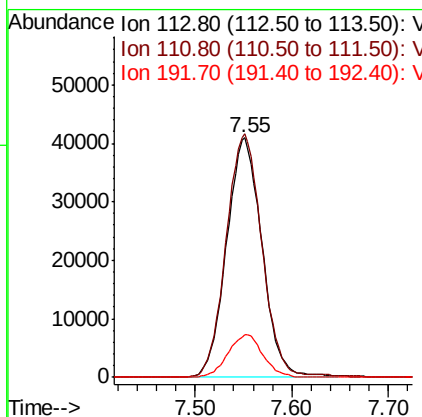
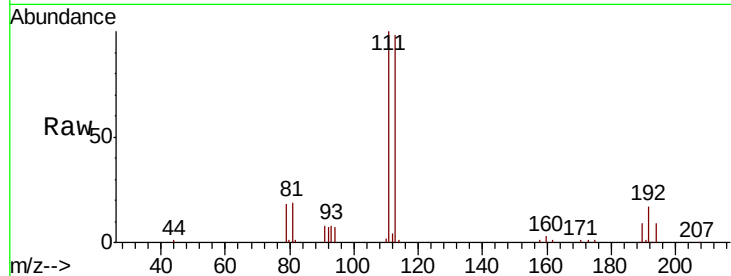




#35
 Dibromofluoromethane
 Concen: 52.760 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062413.D
 Acq: 8 Jul 2020 17:50

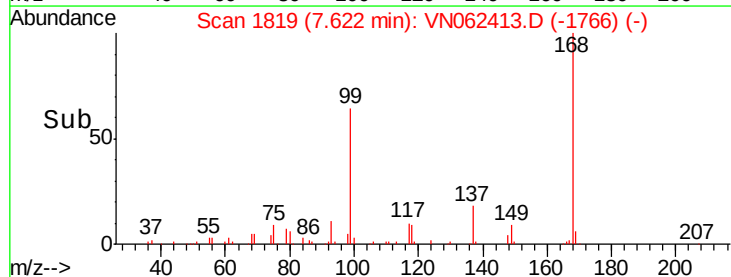
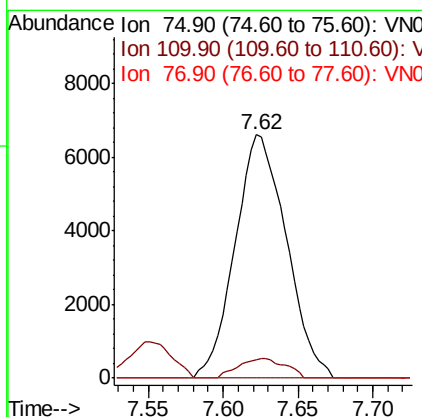
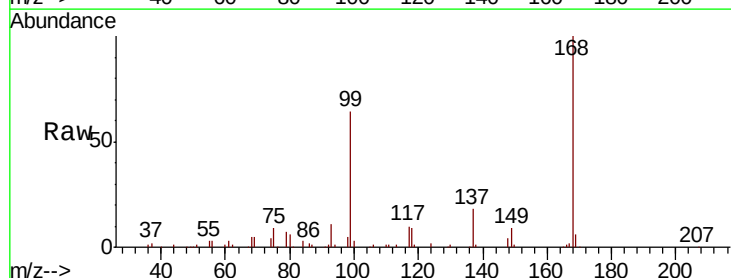
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

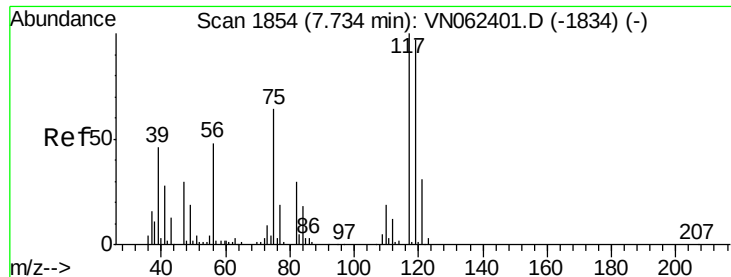
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	17.4	14.1	21.1



#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062413.D
 Acq: 8 Jul 2020 17:50

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: 6.237 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062413.D

Acq: 8 Jul 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

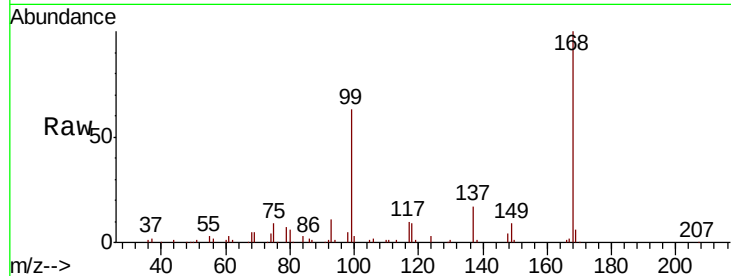
Tot Ion:117 Resp: 18048

Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

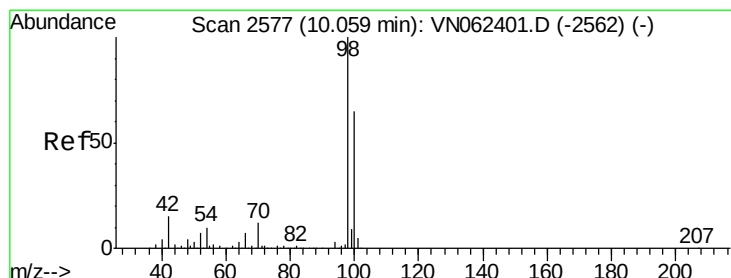
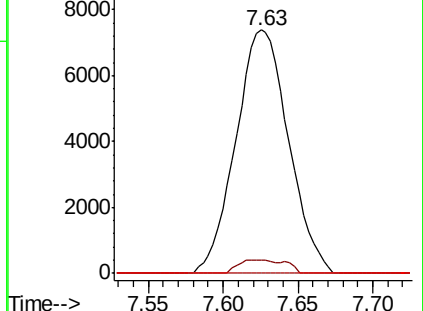
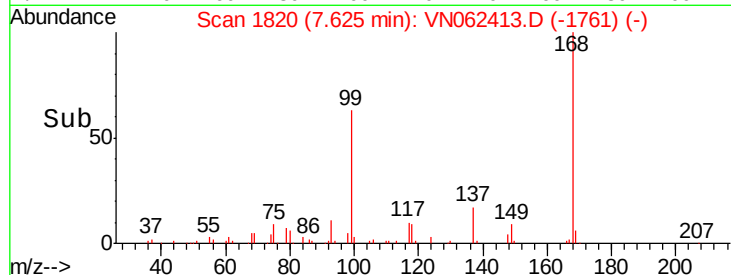
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 53.350 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062413.D

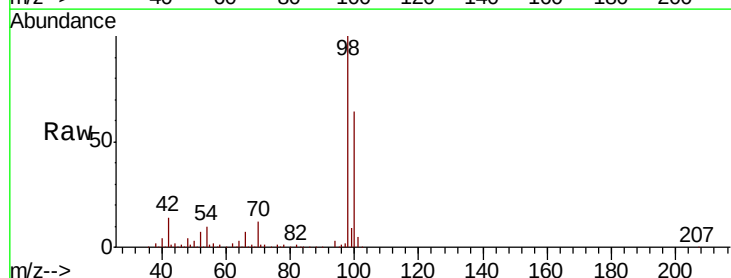
Acq: 8 Jul 2020 17:50

Tgt Ion: 98 Resp: 415931

Ion Ratio Lower Upper

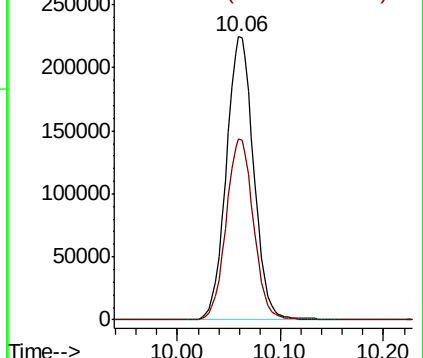
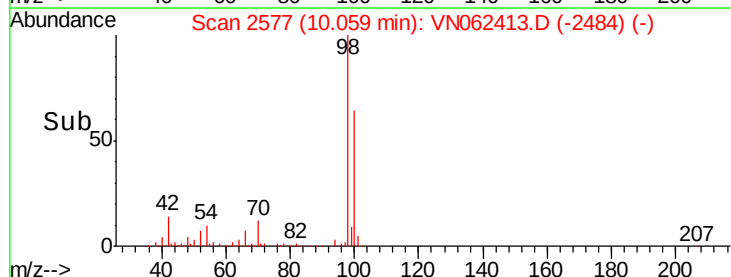
98 100

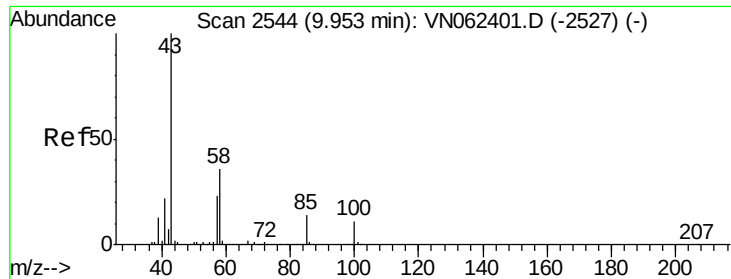
100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.585 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062413.D

Acq: 8 Jul 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

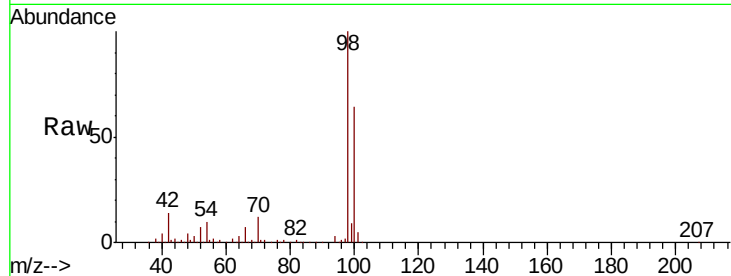
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 43 Resp: 2076

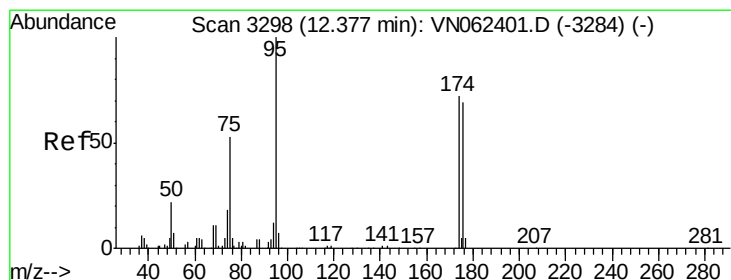
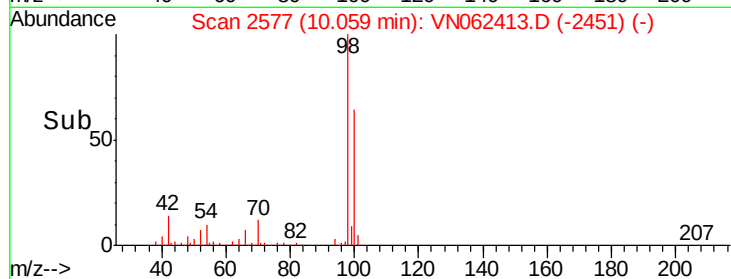
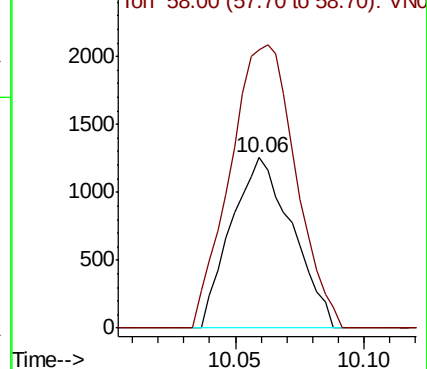
Ion Ratio Lower Upper

43 100

58 178.1 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-2527) (-)



#62

4-Bromofluorobenzene

Concen: 51.850 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062413.D

Acq: 8 Jul 2020 17:50

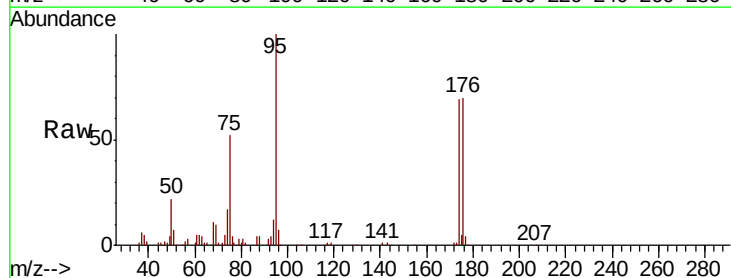
Tgt Ion: 95 Resp: 147720

Ion Ratio Lower Upper

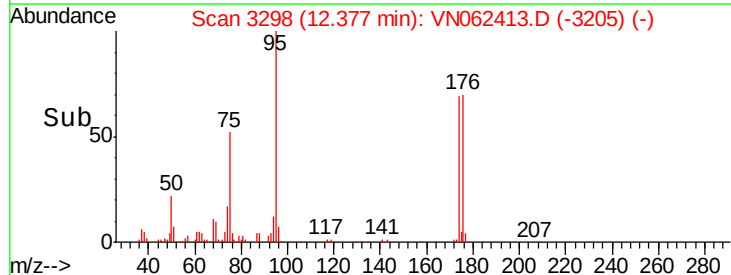
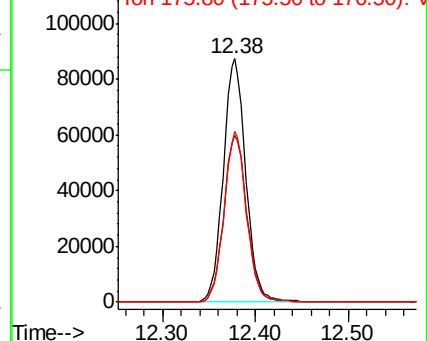
95 100

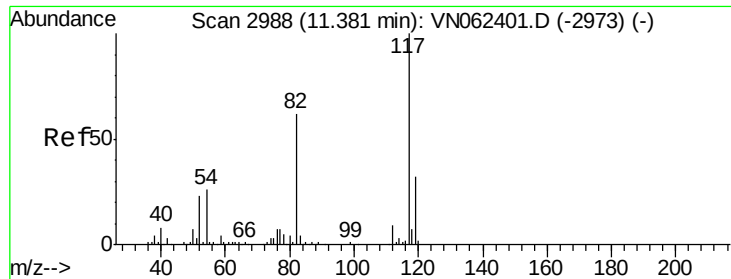
174 69.9 0.0 141.6

176 69.2 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)

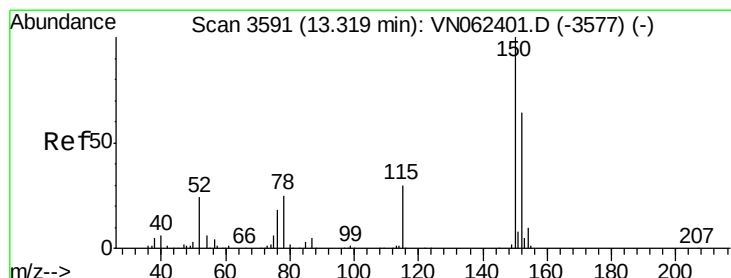
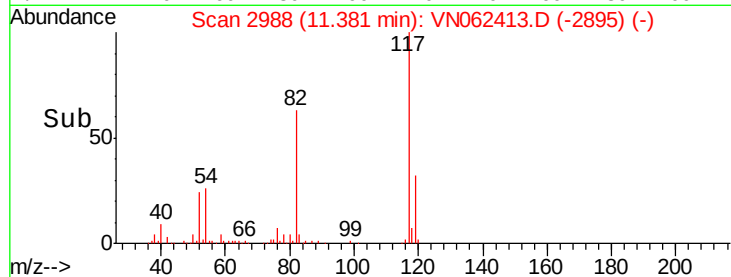
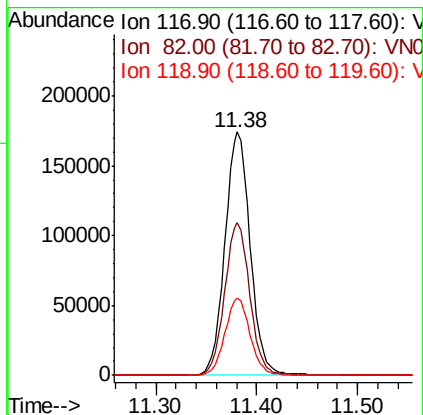
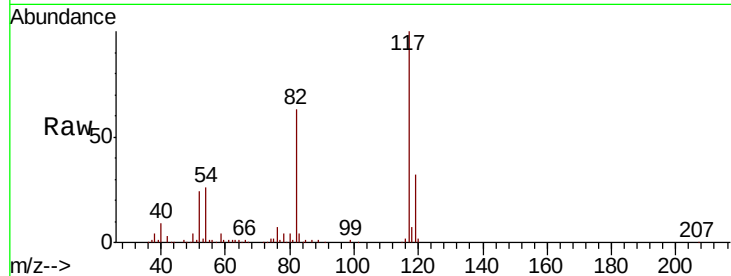




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062413.D
Acq: 8 Jul 2020 17:50

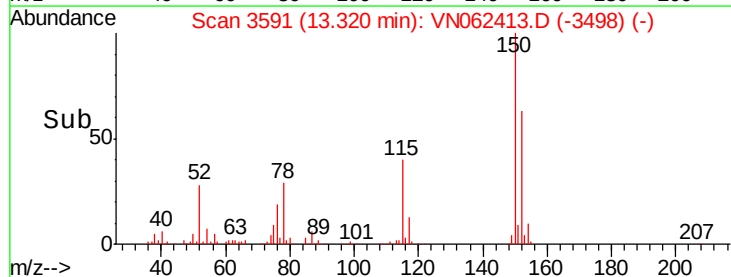
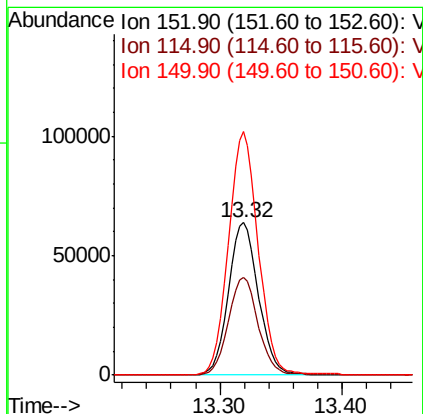
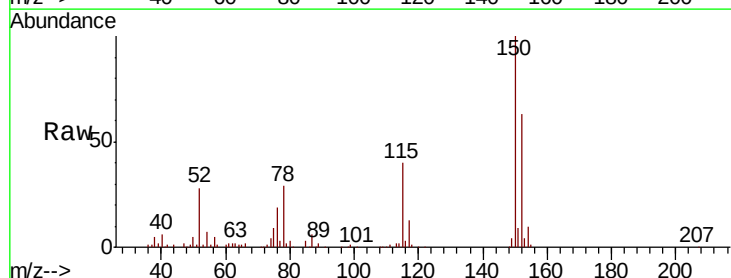
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

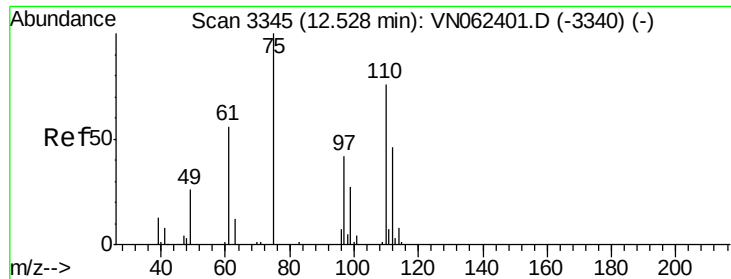
Tot Ion:117 Resp: 305417
Ion Ratio Lower Upper
117 100
82 62.8 49.6 74.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062413.D
Acq: 8 Jul 2020 17:50

Tgt Ion:152 Resp: 109697
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.2
150 157.2 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 29.016 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062413.D

Acq: 8 Jul 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

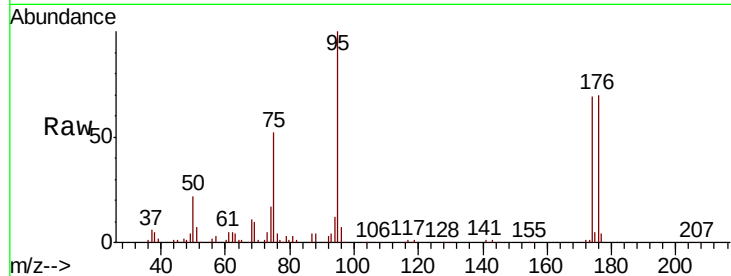
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 75 Resp: 78098

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

50000

40000

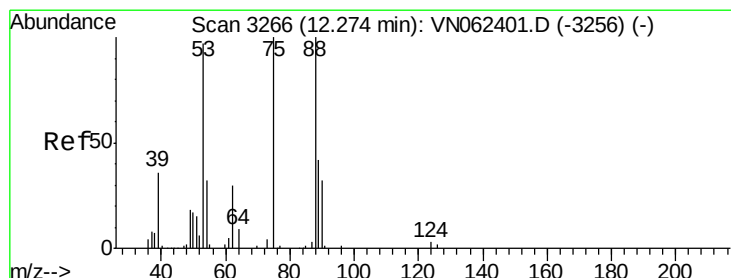
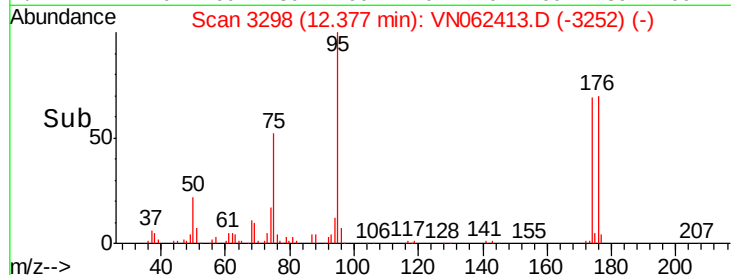
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 77.663 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062413.D

Acq: 8 Jul 2020 17:50

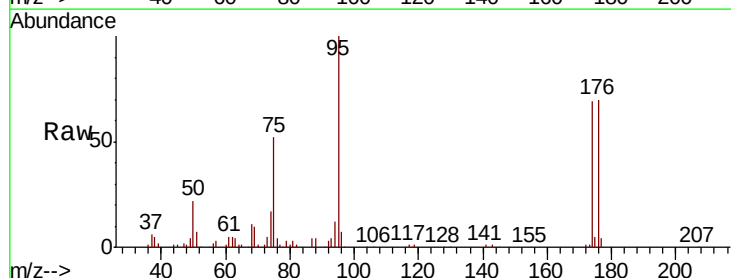
Tgt Ion: 75 Resp: 78098

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

60000

50000

40000

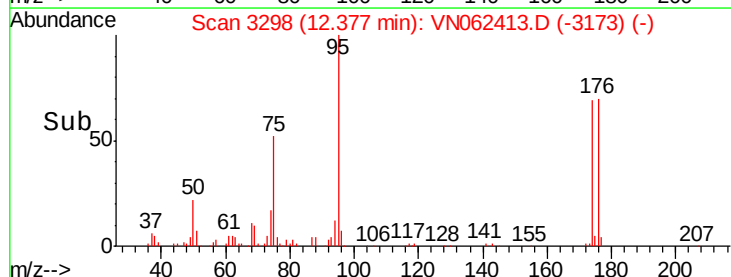
30000

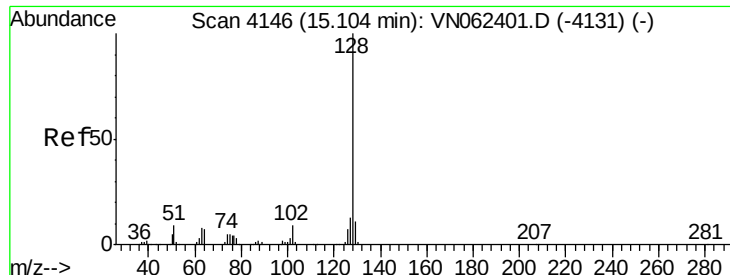
20000

10000

0

Time-->

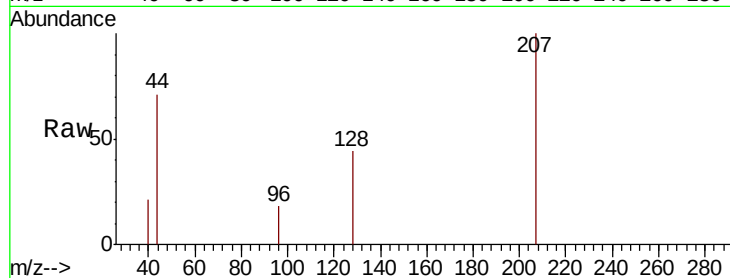




#95
Naphthalene
Concen: Below Cal
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062413.D
Acq: 8 Jul 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

Tot 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

