

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060876.D
 Acq On : 7 Apr 2020 14:56
 Operator : JC/MD
 Sample : L2167-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Apr 08 02:41:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	339677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135623	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	129939	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
35) Dibromofluoromethane	7.56	113	99517	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	10.08	98	418081	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	151688	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	

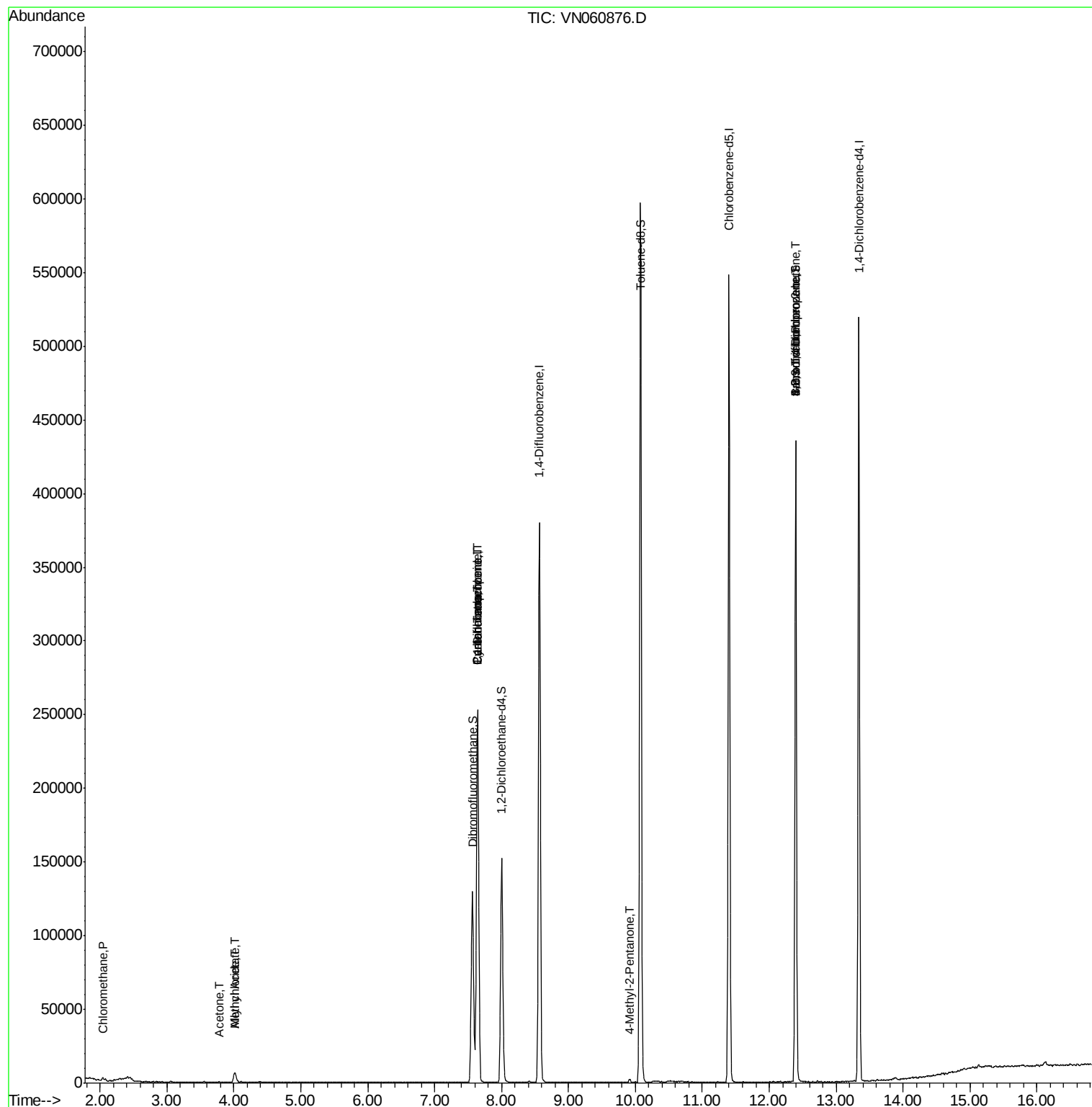
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1254	0.336	ug/l	98
14) Allyl chloride	4.01	41	911	0.232	ug/l #	22
16) Acetone	3.78	43	923	0.919	ug/l #	43
18) Methyl Acetate	4.01	43	1453	0.514	ug/l #	54
31) Cyclohexane	7.64	56	4235	0.928	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15886	4.830	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19385	6.576	ug/l #	16
51) 4-Methyl-2-Pentanone	9.91	43	1232	0.369	ug/l #	37
71) Bromoform	12.39	173	199	1.784	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	77103	26.347	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77103	67.666	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060876.D

Acq: 7 Apr 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

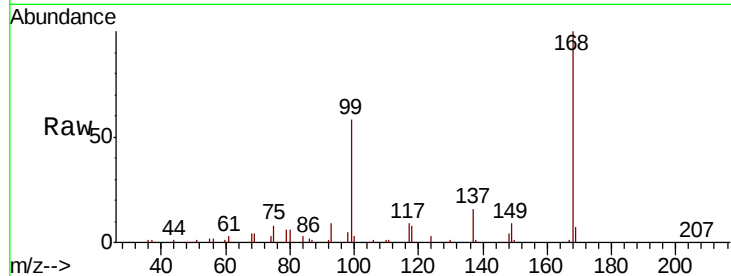
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 206454

Ion Ratio Lower Upper

168 100

99 57.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

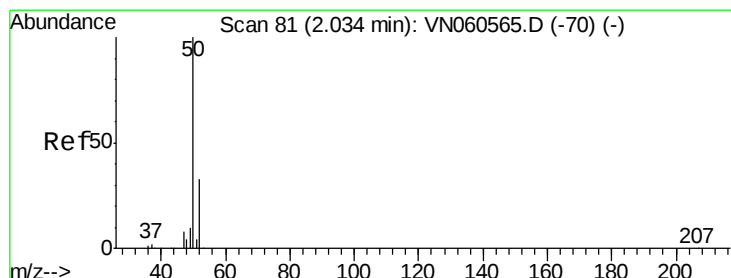
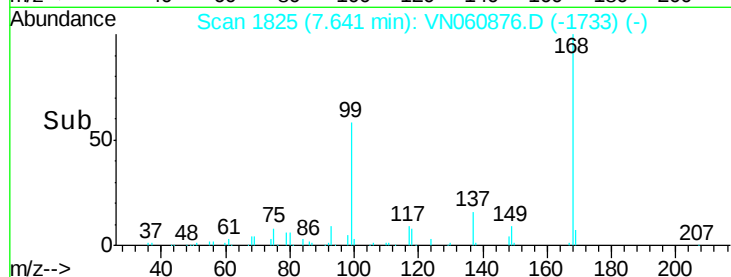
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.336 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN060876.D

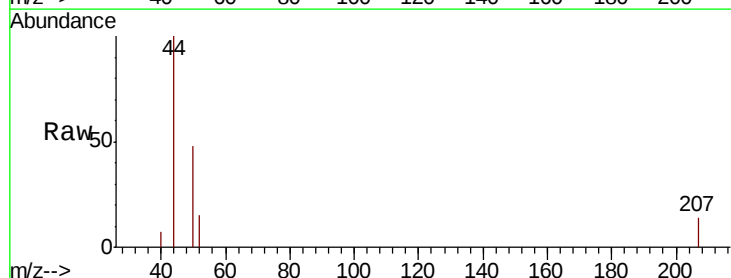
Acq: 7 Apr 2020 14:56

Tgt Ion: 50 Resp: 1254

Ion Ratio Lower Upper

50 100

52 31.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1200

1000

800

600

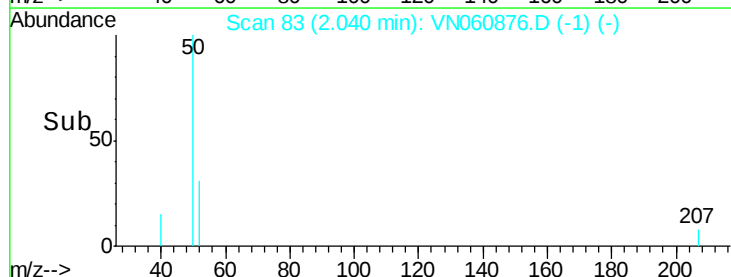
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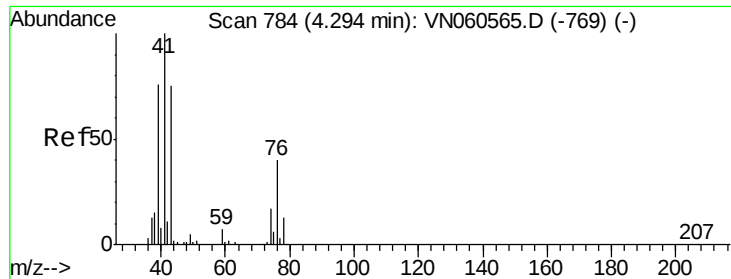
200

0

2.00 2.02 2.04 2.06 2.08

Time-->





#14

Allvl chloride

Concen: 0.232 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.29 min

Lab File: VN060876.D

Acq: 7 Apr 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

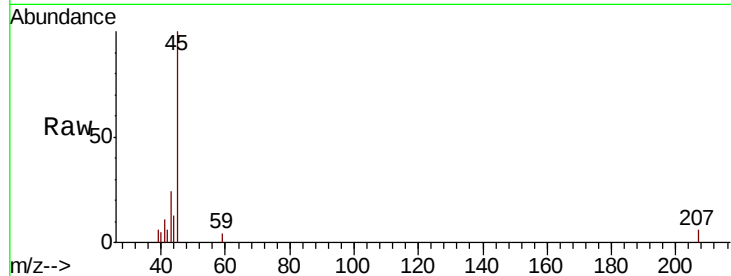
Tot Ion: 41 Resp: 911

Ion Ratio Lower Upper

41 100

39 0.0 57.8 86.8#

76 0.0 28.6 43.0#

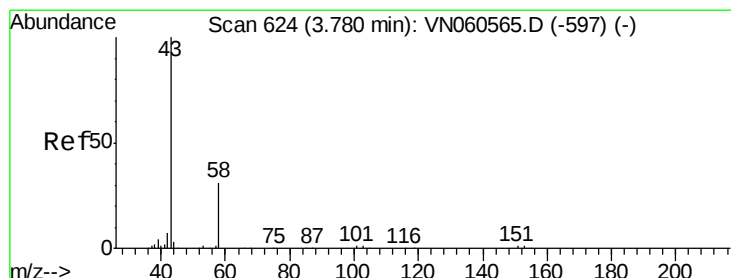
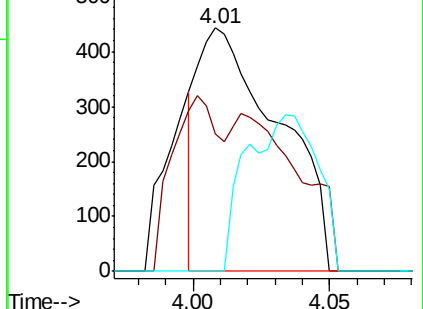
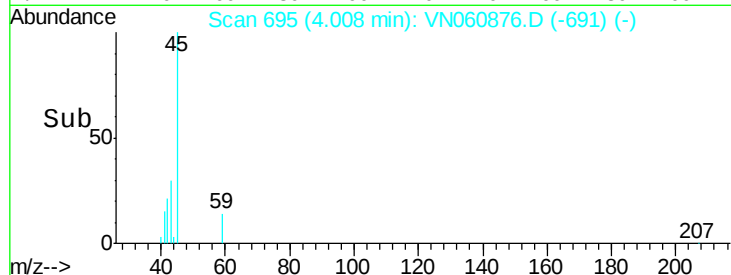


Abundance Ion 41.00 (40.70 to 41.70): VN060876.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060876.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060876.D (-691) (-)

Time-->



#16

Acetone

Concen: 0.919 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060876.D

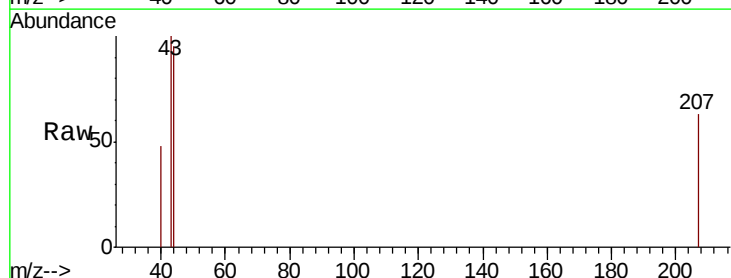
Acq: 7 Apr 2020 14:56

Tgt Ion: 43 Resp: 923

Ion Ratio Lower Upper

43 100

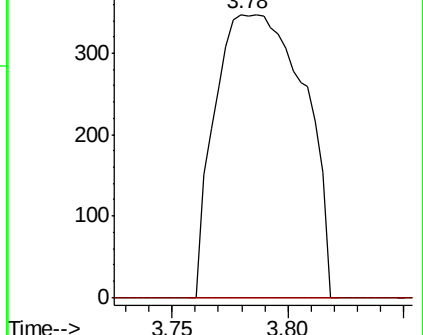
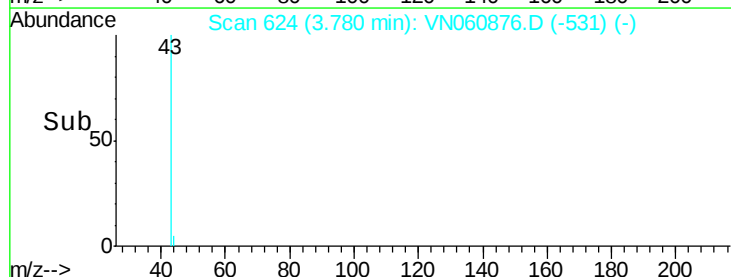
58 0.0 25.1 37.7#

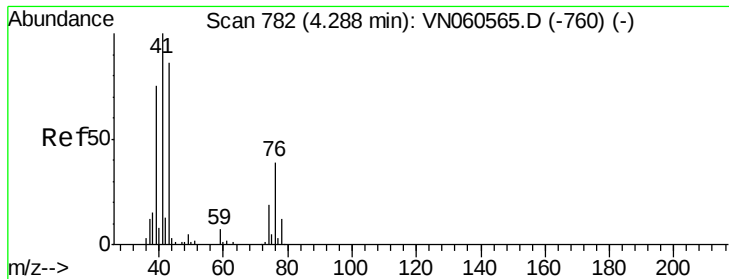


Abundance Ion 43.00 (42.70 to 43.70): VN060876.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060876.D (-531) (-)

Time-->

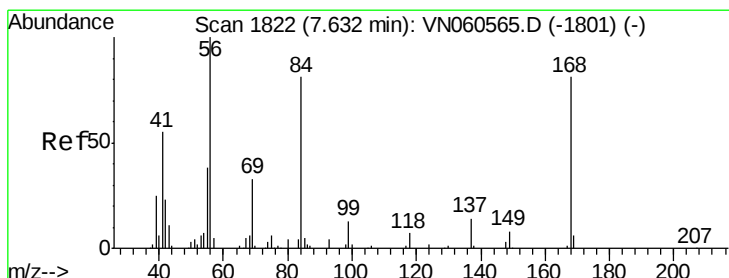
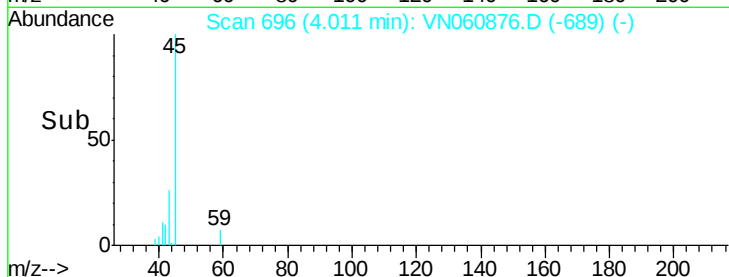
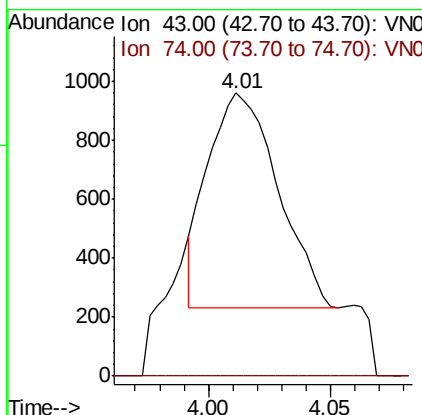
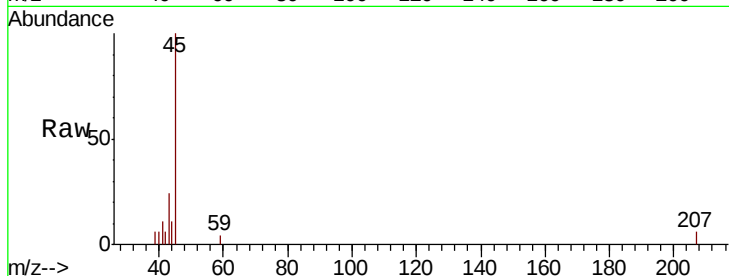




#18
Methvl Acetate
Concen: 0.514 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.28 min
Lab File: VN060876.D
Acq: 7 Apr 2020 14:56

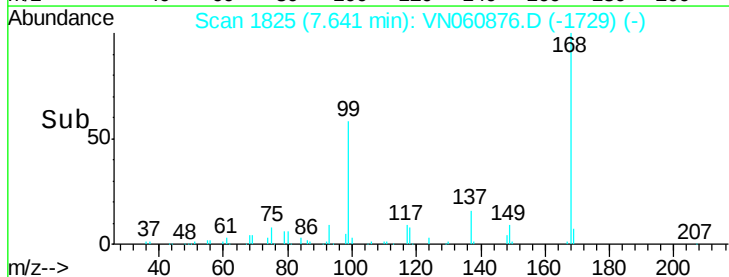
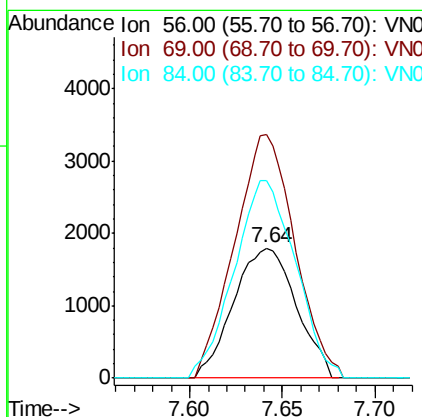
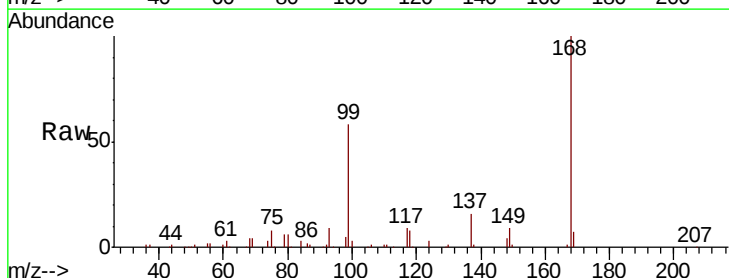
Instrument :
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STORAGE-BLANK-SOIL-REF-6

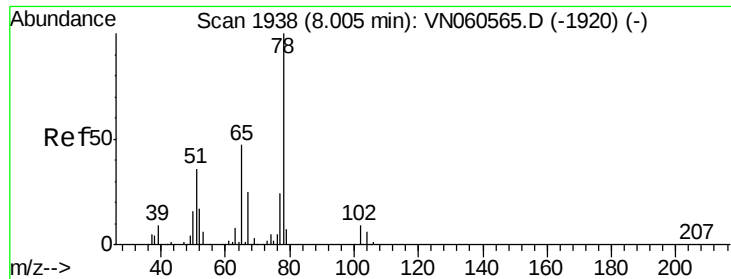
Tot Ion: 43 Resp: 1453
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#31
Cyclohexane
Concen: 0.928 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060876.D
Acq: 7 Apr 2020 14:56

Tgt Ion: 56 Resp: 4235
Ion Ratio Lower Upper
56 100
69 187.6 26.6 40.0#
84 152.1 64.3 96.5#

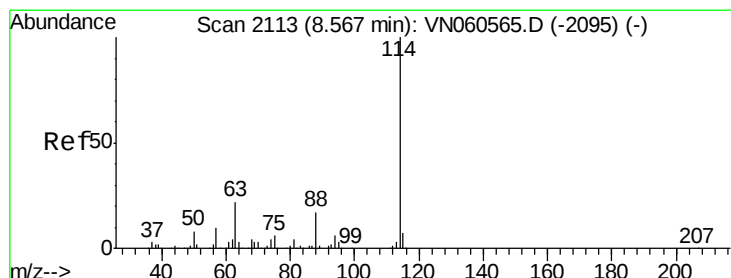
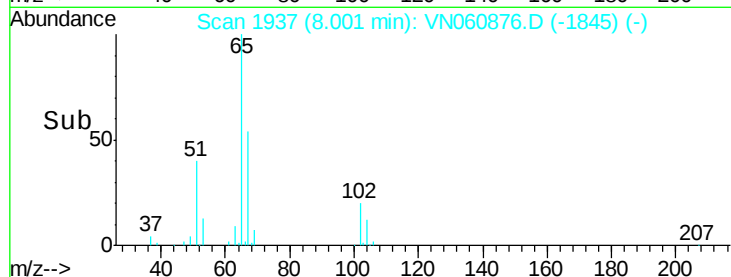
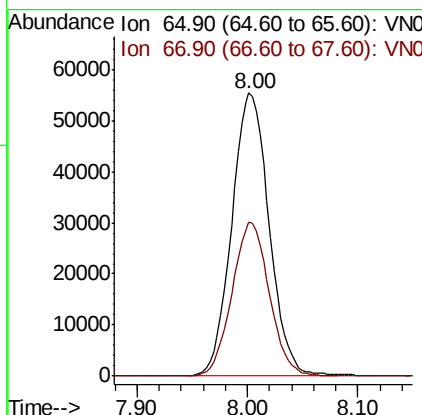
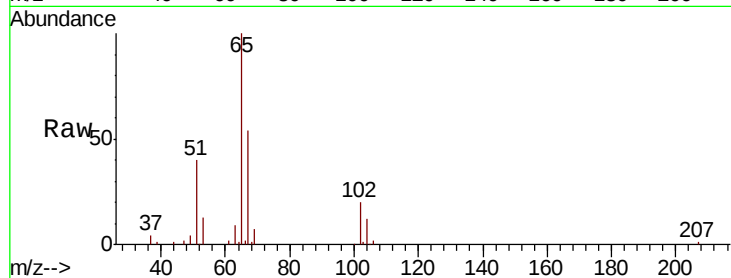




#33
 1,2-Dichloroethane-d4
 Concen: 45.848 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060876.D
 Acq: 7 Apr 2020 14:56

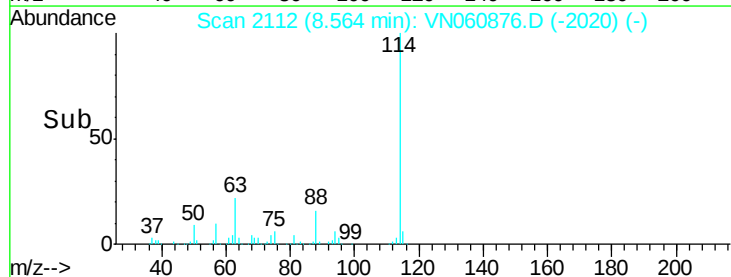
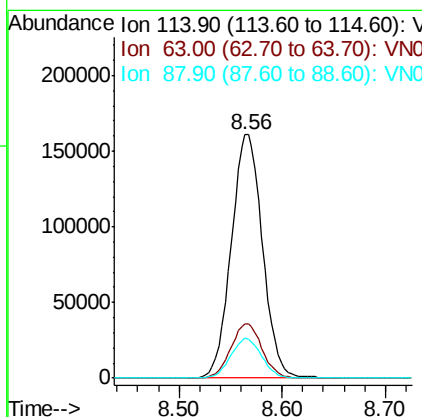
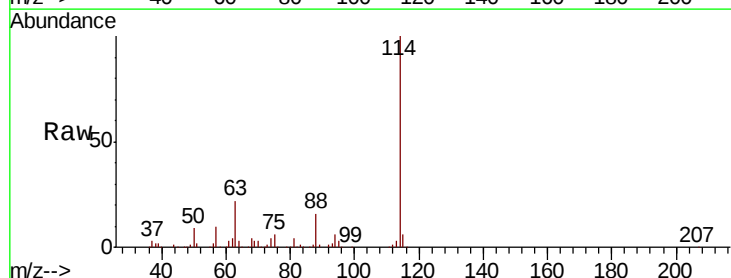
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 129939
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060876.D
 Acq: 7 Apr 2020 14:56

Tgt Ion: 114 Resp: 339677
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.452 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060876.D

Acq: 7 Apr 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

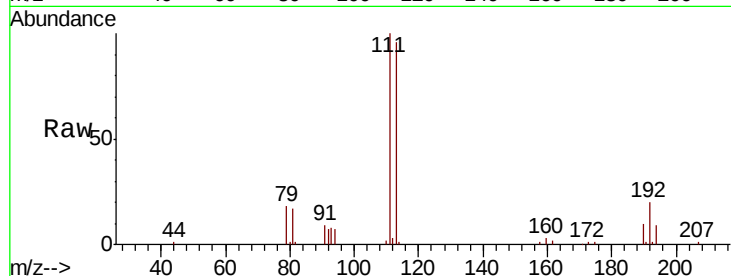
Tot Ion:113 Resp: 99517

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

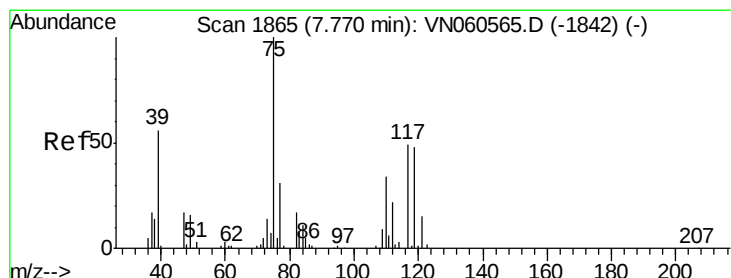
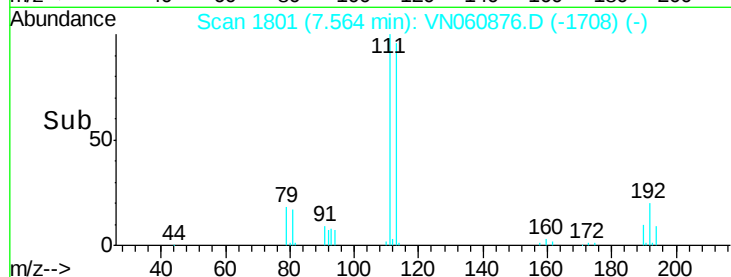
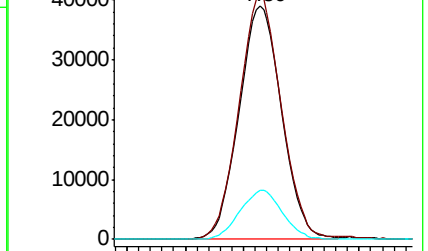
192 21.0 15.8 23.8



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: 4.830 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060876.D

Acq: 7 Apr 2020 14:56

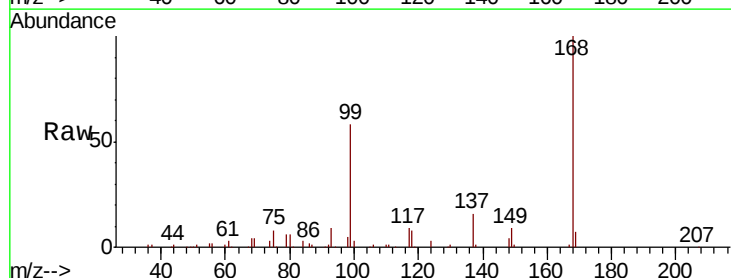
Tgt Ion: 75 Resp: 15886

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.6#

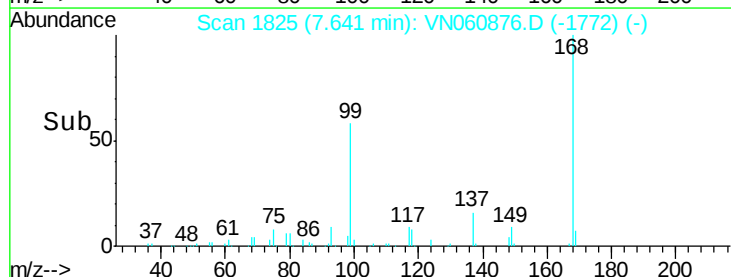
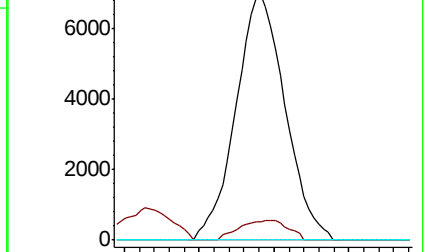
77 0.0 24.6 36.8#

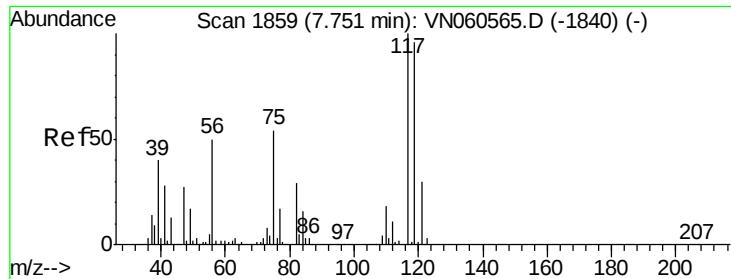


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

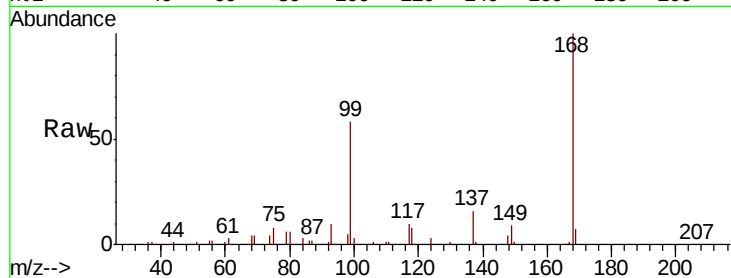




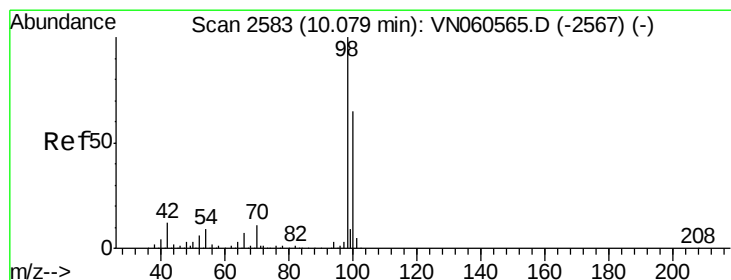
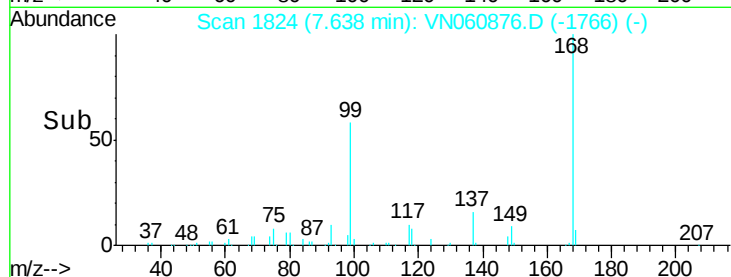
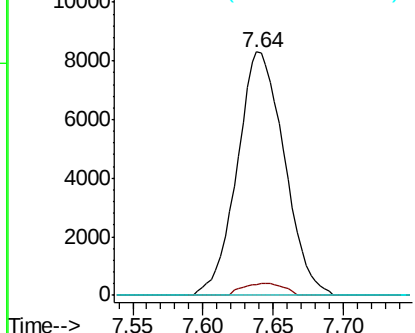
#38
Carbon Tetrachloride
Concen: 6.576 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060876.D
Acq: 7 Apr 2020 14:56

Instrument :
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STORAGE-BLANK-SOIL-REF-6

Tot Ion:117 Resp: 19385
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 23.7 35.5#

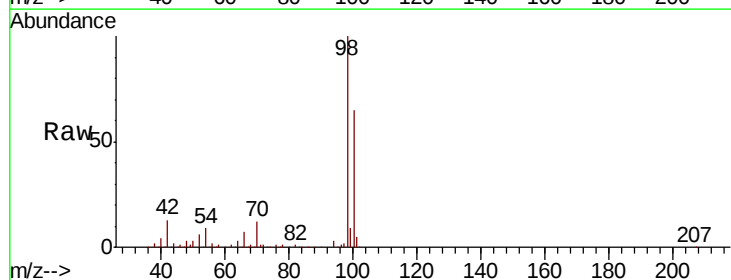


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

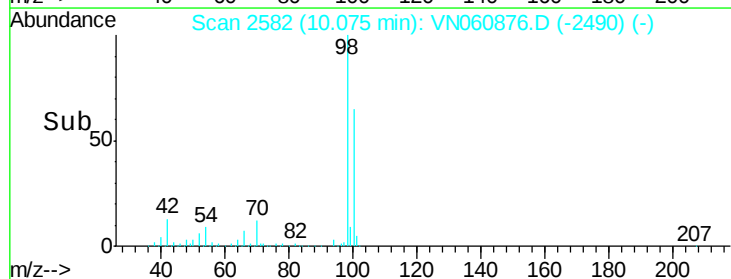
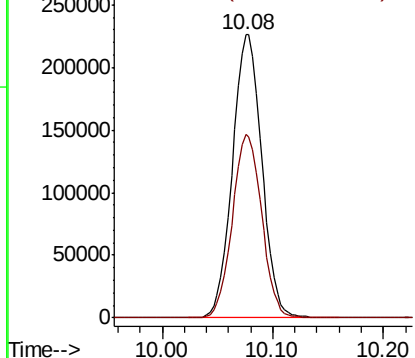


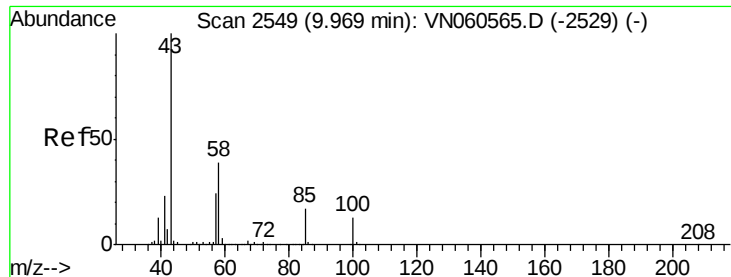
#50
Toluene-d8
Concen: 49.834 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060876.D
Acq: 7 Apr 2020 14:56

Tgt Ion: 98 Resp: 418081
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.369 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. -0.06 min

Lab File: VN060876.D

Acq: 7 Apr 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

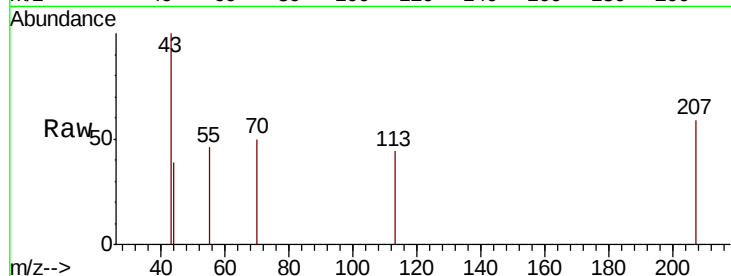
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 1232

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.91

800

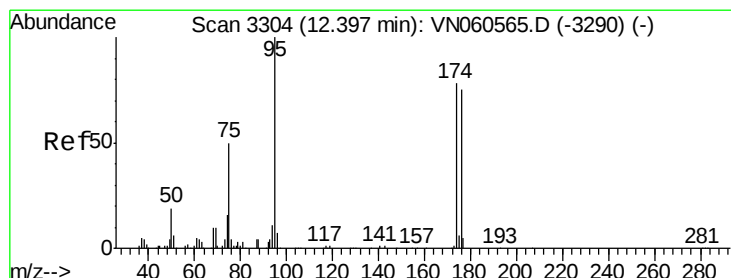
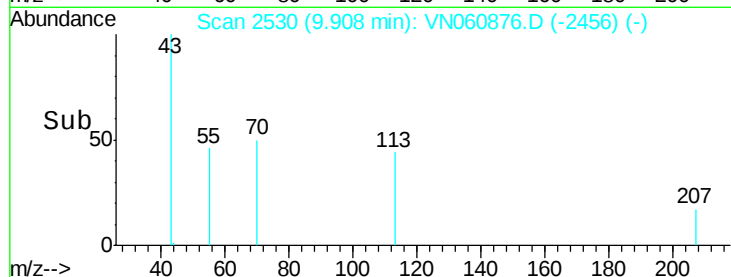
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.336 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060876.D

Acq: 7 Apr 2020 14:56

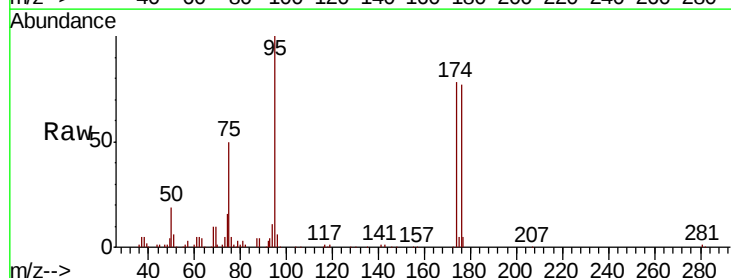
Tgt Ion: 95 Resp: 151688

Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.6

176 76.1 0.0 150.6



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

120000

100000

80000

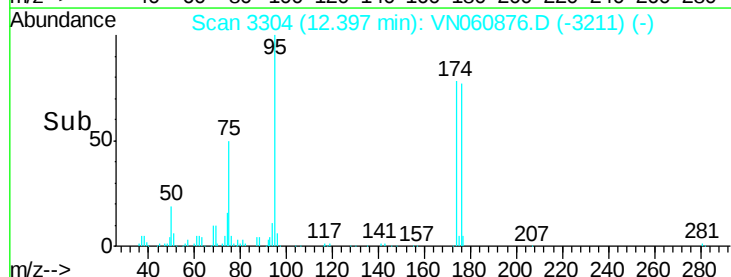
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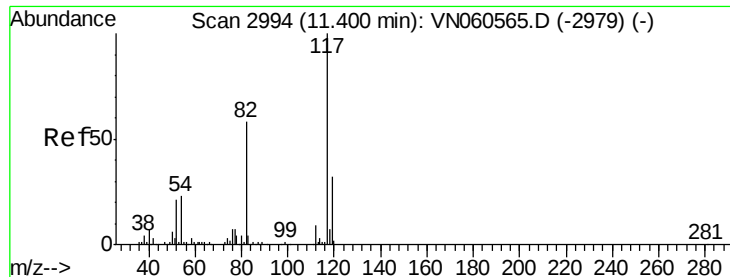
40000

20000

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Time-->

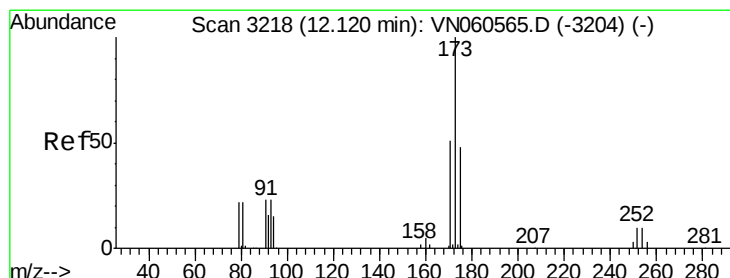
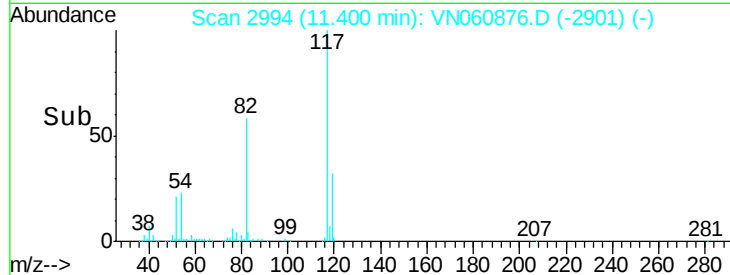
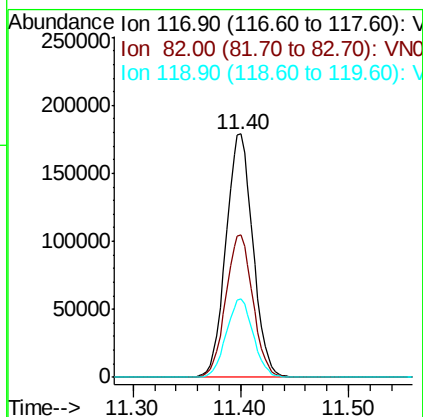
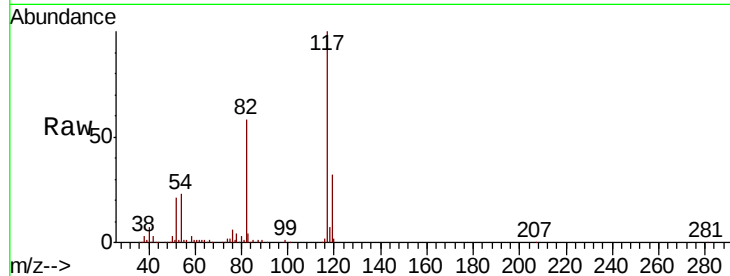




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060876.D
Acq: 7 Apr 2020 14:56

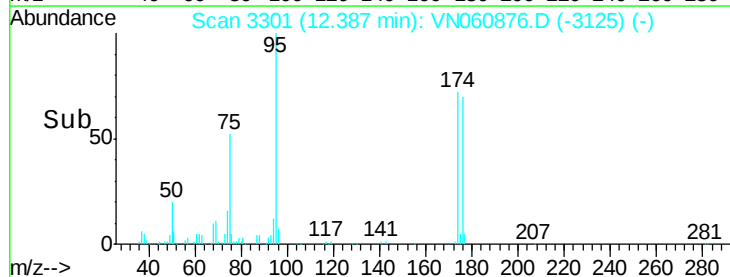
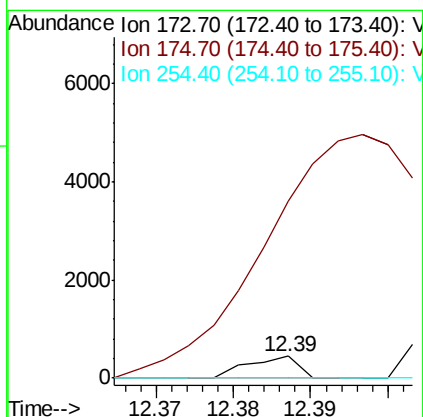
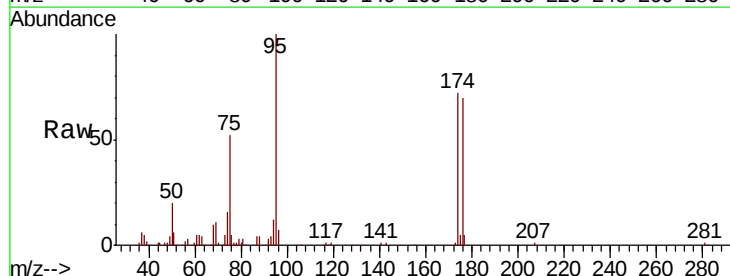
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

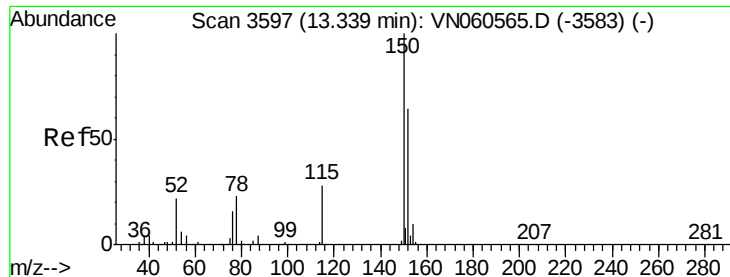
Tot Ion:117 Resp: 311772
Ion Ratio Lower Upper
117 100
82 58.3 46.7 70.1
119 32.0 25.5 38.3



#71
Bromoform
Concen: 1.784 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.27 min
Lab File: VN060876.D
Acq: 7 Apr 2020 14:56

Tgt Ion:173 Resp: 199
Ion Ratio Lower Upper
173 100
175 3544.2 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060876.D

Acq: 7 Apr 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

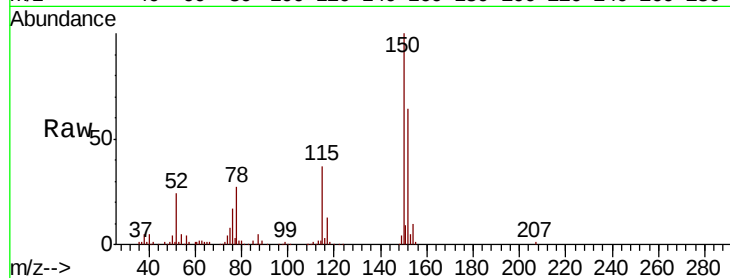
Tot Ion:152 Resp: 135623

Ion Ratio Lower Upper

152 100

115 59.2 30.2 90.6

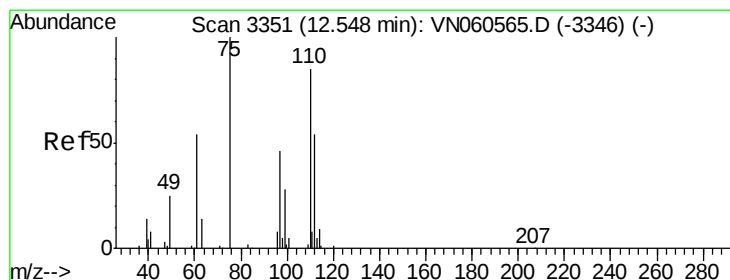
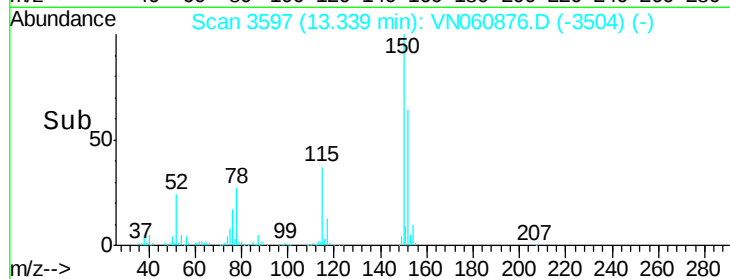
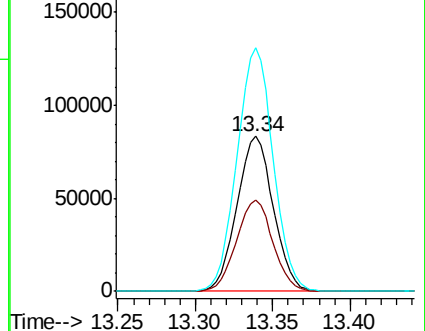
150 157.1 0.0 350.2



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: 26.347 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060876.D

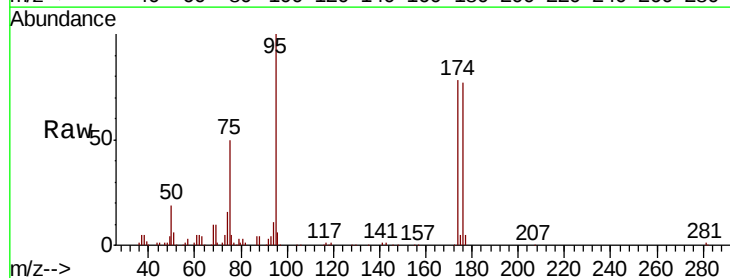
Acq: 7 Apr 2020 14:56

Tgt Ion: 75 Resp: 77103

Ion Ratio Lower Upper

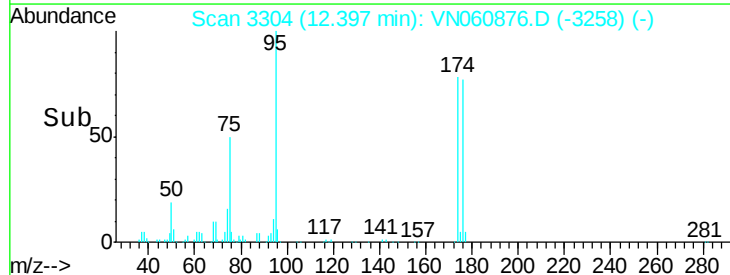
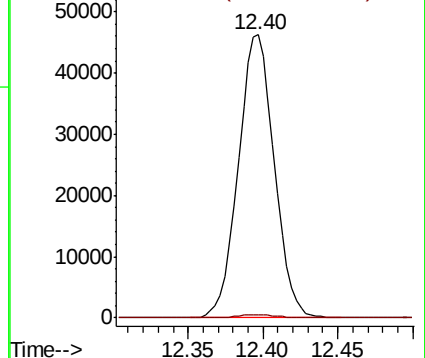
75 100

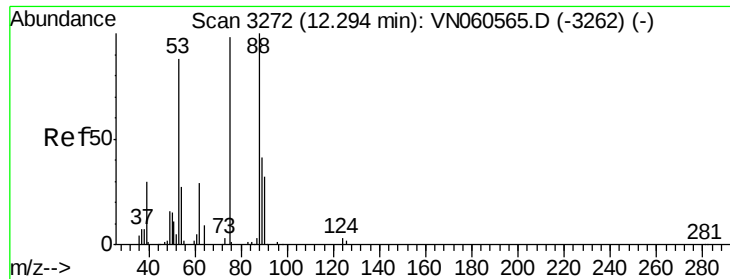
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 67.666 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060876.D

Acq: 7 Apr 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 77103

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

