

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060877.D
 Acq On : 7 Apr 2020 15:18
 Operator : JC/MD
 Sample : L2167-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Apr 08 02:41:16 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	197777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	333595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136464	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	129105	47.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.10%	
35) Dibromofluoromethane	7.56	113	100049	49.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.20%	
50) Toluene-d8	10.08	98	409612	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.40	95	150594	49.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.74%	

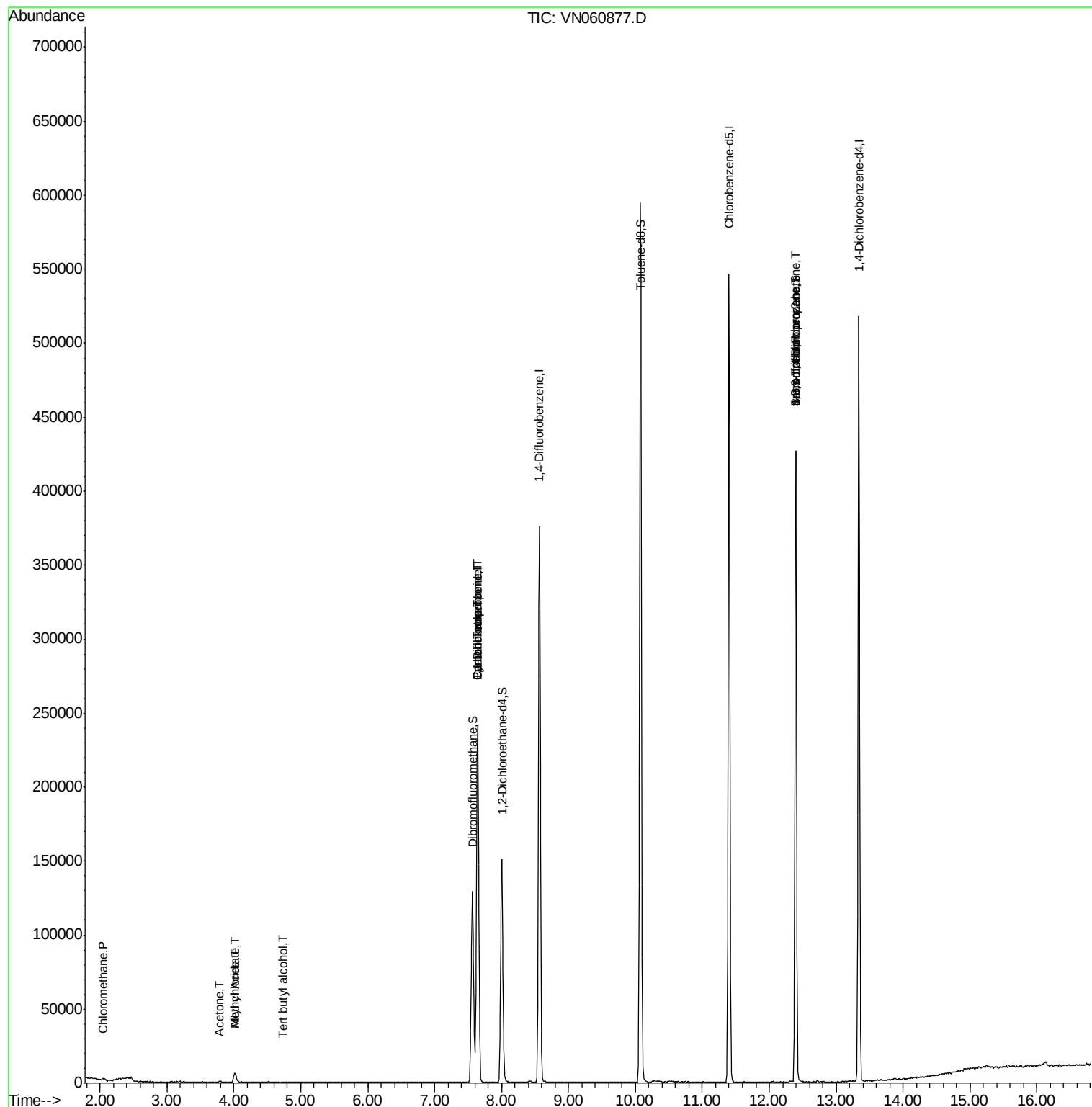
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	738	0.206	ug/l	94
11) Tert butyl alcohol	4.73	59	94	0.235	ug/l #	72
14) Allyl chloride	4.01	41	839	0.223	ug/l #	90
16) Acetone	3.78	43	722	0.751	ug/l #	88
18) Methyl Acetate	4.01	43	2413	0.891	ug/l #	54
31) Cyclohexane	7.64	56	4013	0.918	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15369	4.758	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18985	6.558	ug/l #	16
71) Bromoform	12.39	173	750	2.071	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	76038	25.823	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76038	66.321	ug/l #	13

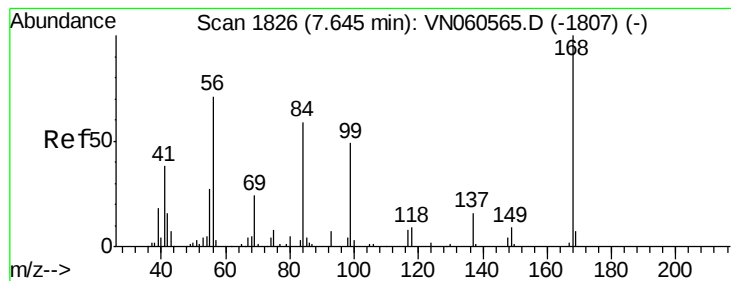
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060877.D

Acq: 7 Apr 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

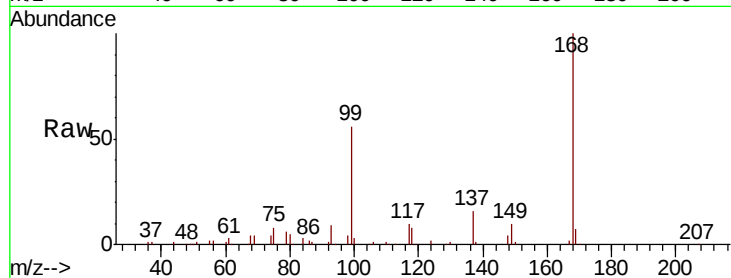
STORAGE-BLANK-SOIL-REF-5

Tot Ion:168 Resp: 197777

Ion Ratio Lower Upper

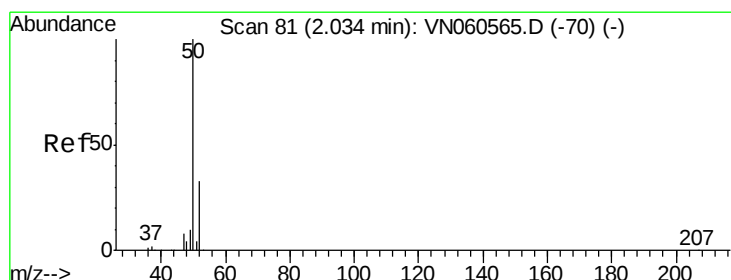
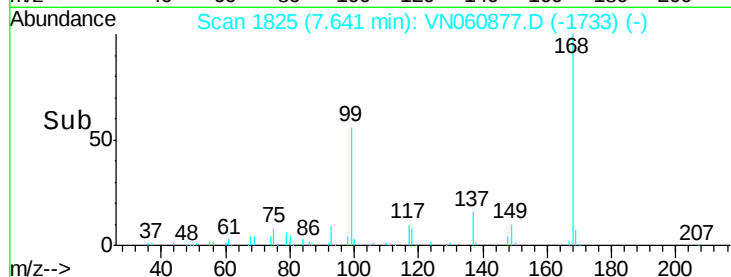
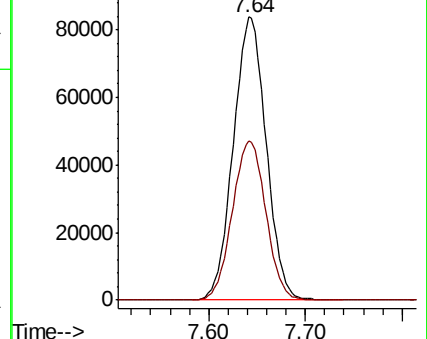
168 100

99 56.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.206 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060877.D

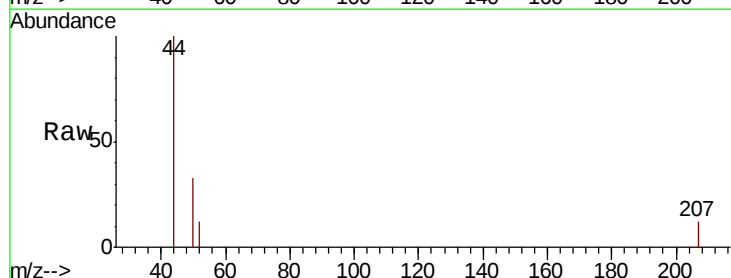
Acq: 7 Apr 2020 15:18

Tgt Ion: 50 Resp: 738

Ion Ratio Lower Upper

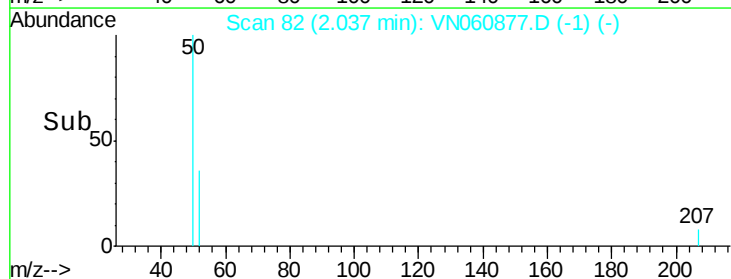
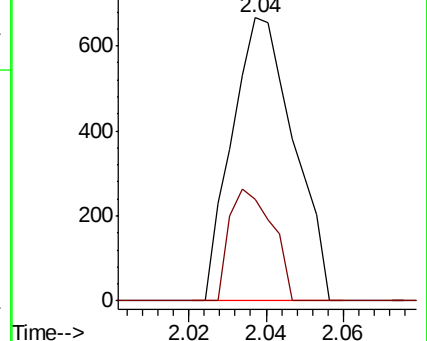
50 100

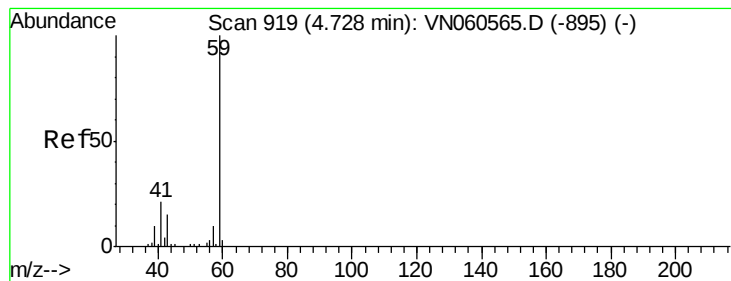
52 35.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#11

Tert butyl alcohol

Concen: 0.235 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN060877.D

Acq: 7 Apr 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

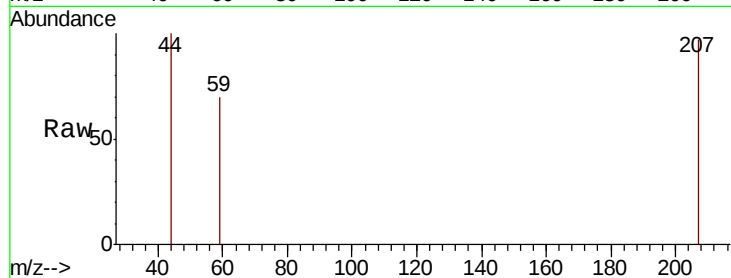
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 59 Resp: 94

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

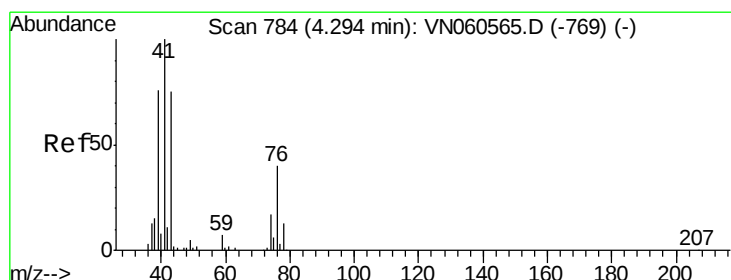
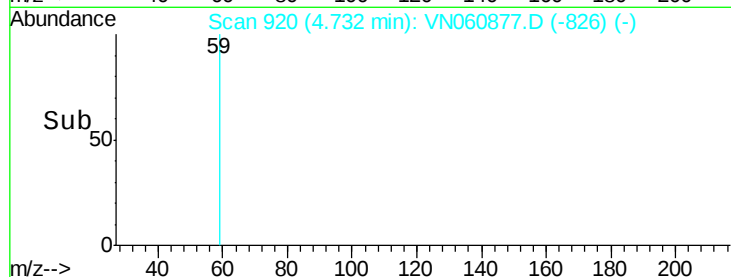
150

100

50

0

Time-->



#14

Allyl chloride

Concen: 0.223 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.28 min

Lab File: VN060877.D

Acq: 7 Apr 2020 15:18

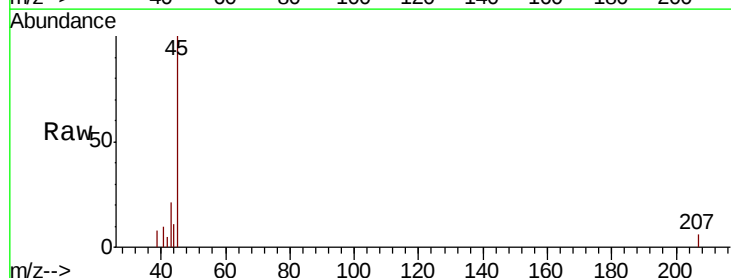
Tgt Ion: 41 Resp: 839

Ion Ratio Lower Upper

41 100

39 75.8 57.8 86.8

76 23.6 28.6 43.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.01

500

400

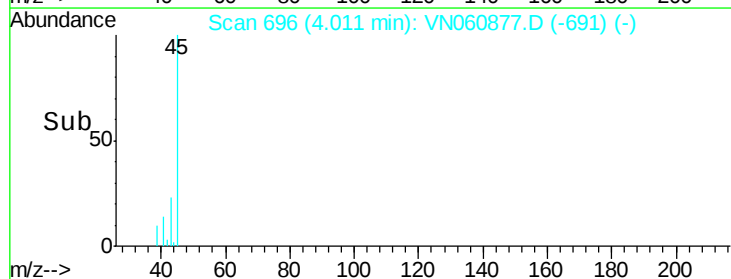
300

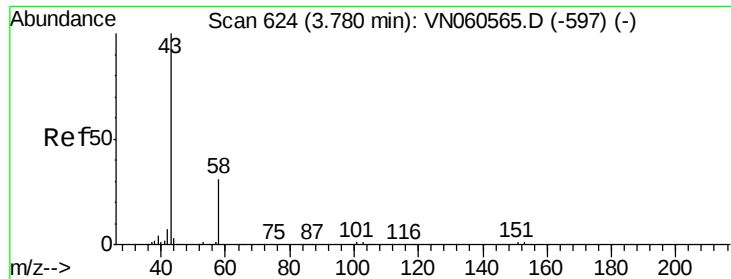
200

100

0

Time-->





#16

Acetone

Concen: 0.751 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060877.D

Acq: 7 Apr 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

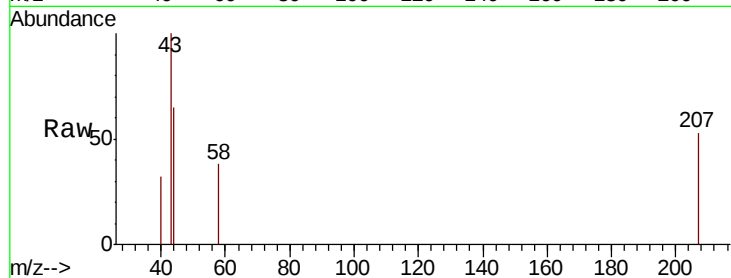
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 43 Resp: 722

Ion Ratio Lower Upper

43 100

58 38.2 25.1 37.7#

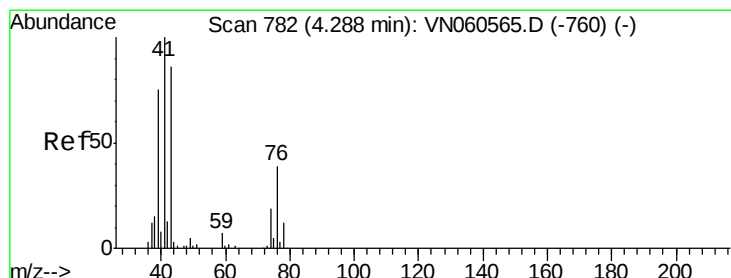
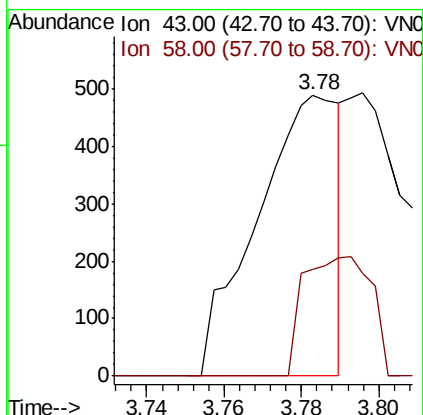
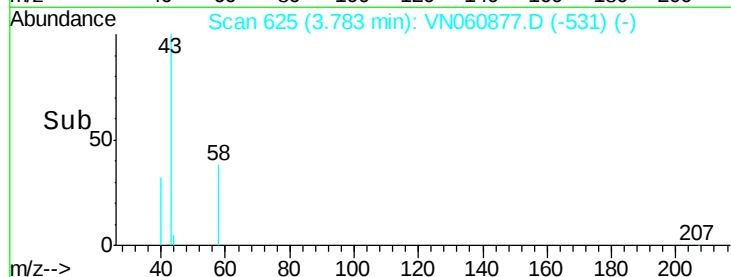


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

Time-->



#18

Methyl Acetate

Concen: 0.891 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.28 min

Lab File: VN060877.D

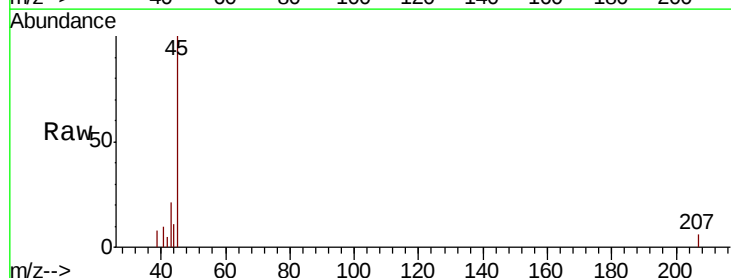
Acq: 7 Apr 2020 15:18

Tgt Ion: 43 Resp: 2413

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#

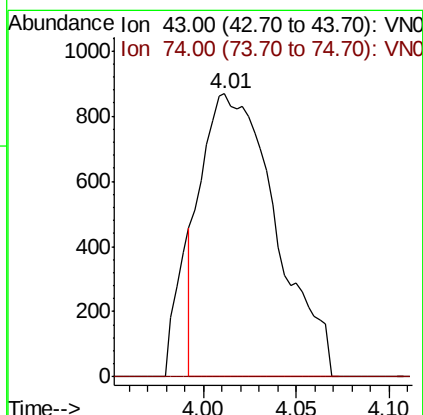
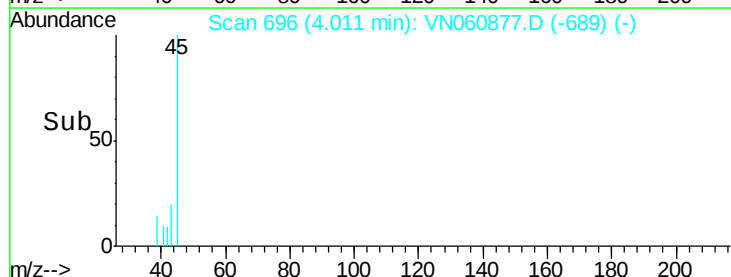


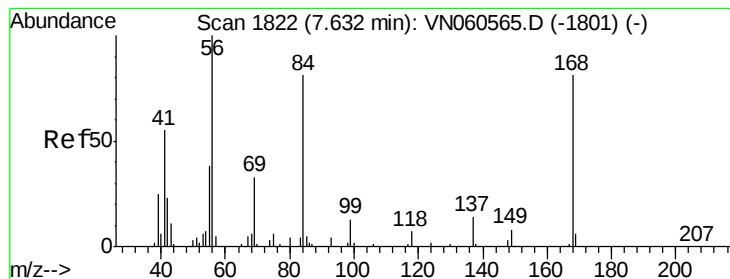
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.01

Time-->





#31

Cyclohexane

Concen: 0.918 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060877.D

Acq: 7 Apr 2020 15:18

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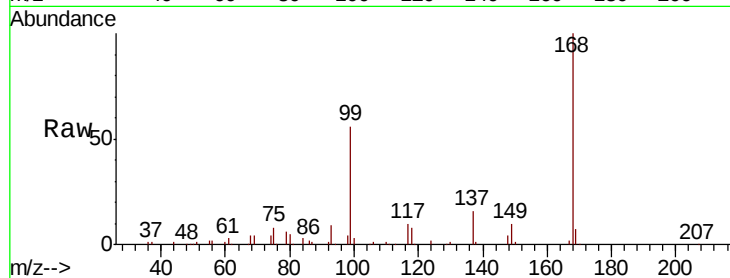
Tot Ion: 56 Resp: 4013

Ion Ratio Lower Upper

56 100

69 171.7 26.6 40.0#

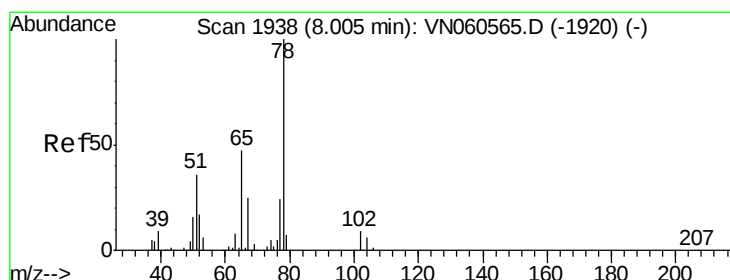
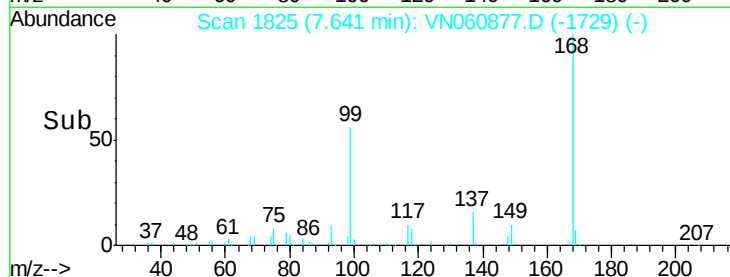
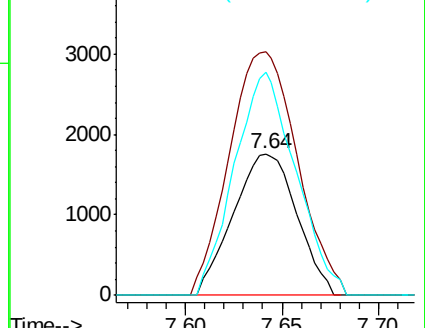
84 157.0 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.552 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060877.D

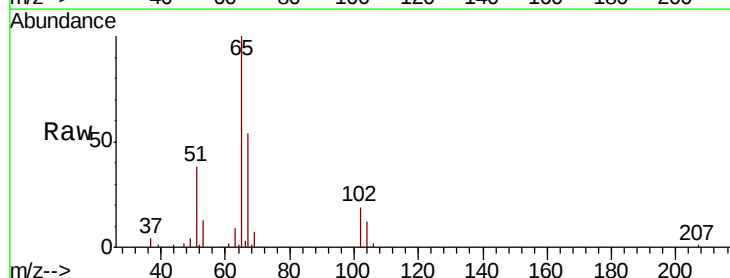
Acq: 7 Apr 2020 15:18

Tgt Ion: 65 Resp: 129105

Ion Ratio Lower Upper

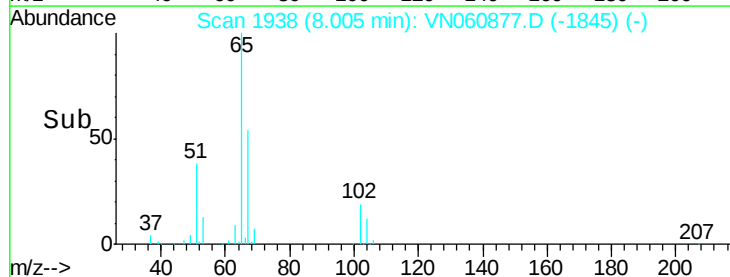
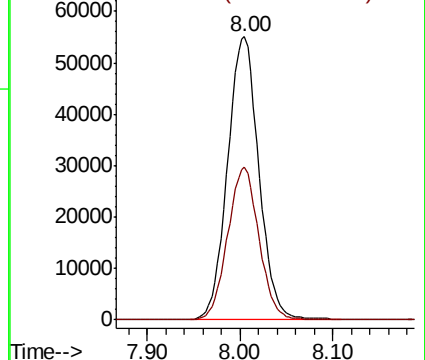
65 100

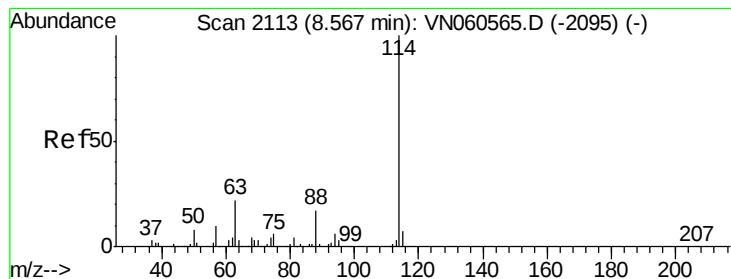
67 53.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060877.D

Acq: 7 Apr 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

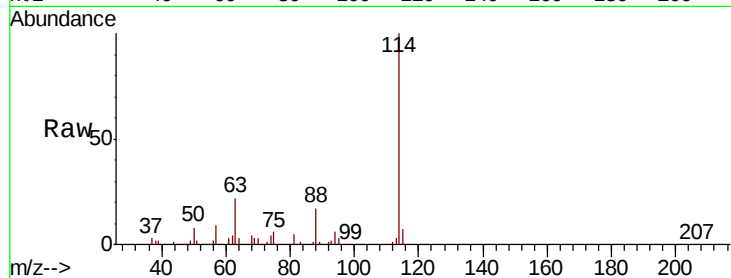
Tot Ion:114 Resp: 333595

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

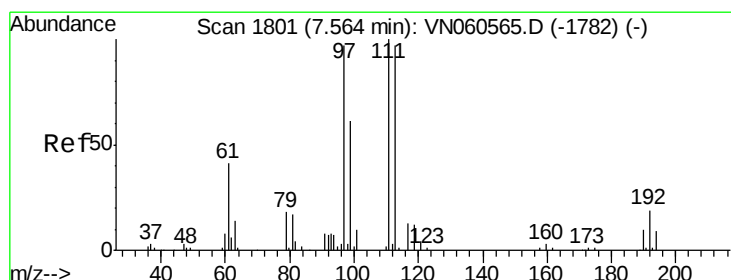
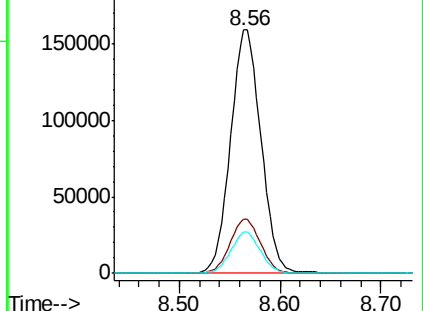
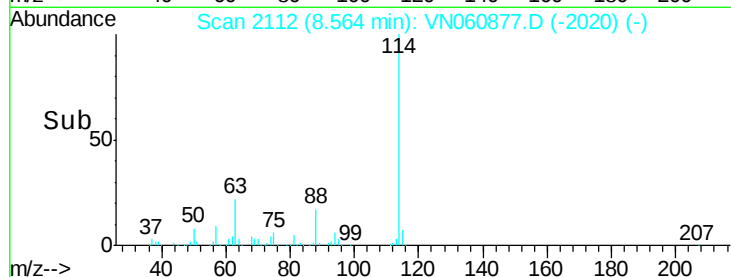
88 16.8 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.599 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060877.D

Acq: 7 Apr 2020 15:18

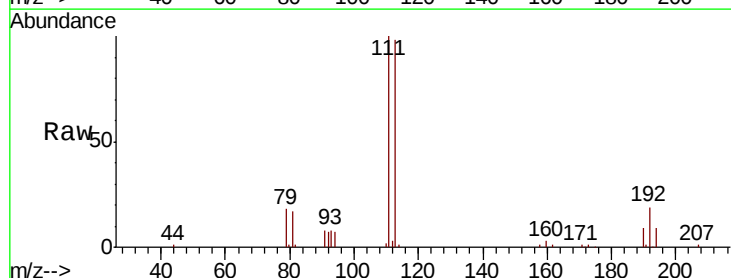
Tgt Ion:113 Resp: 100049

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

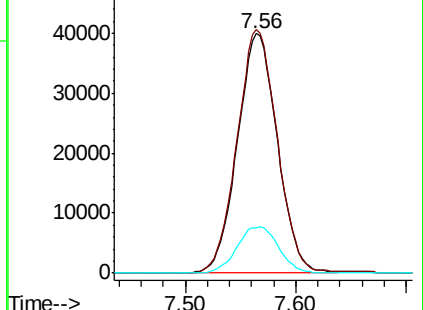
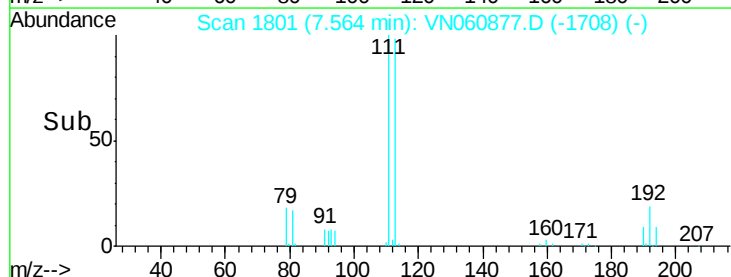
192 20.0 15.8 23.8

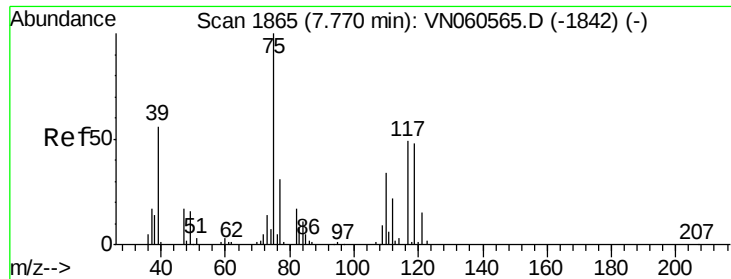


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

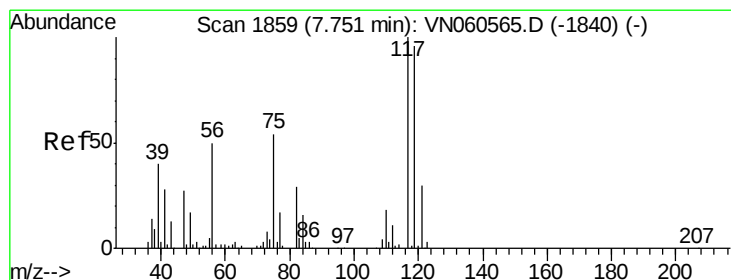
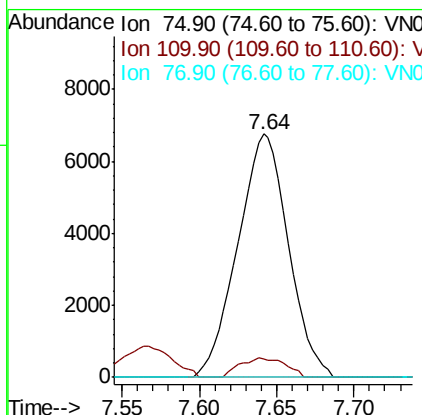
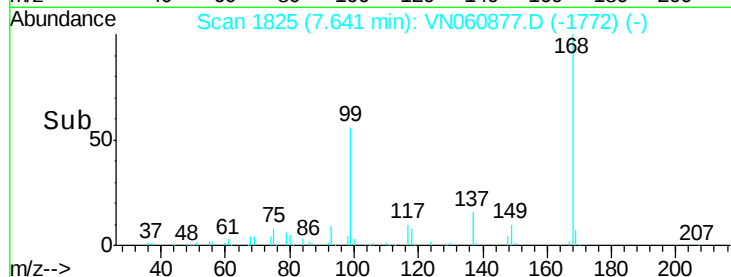
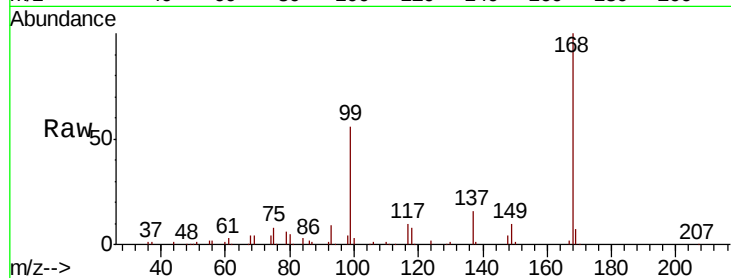




#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060877.D
 Acq: 7 Apr 2020 15:18

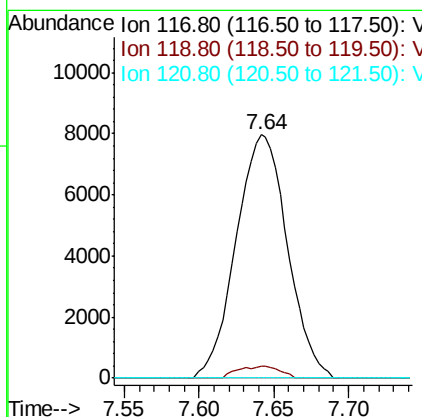
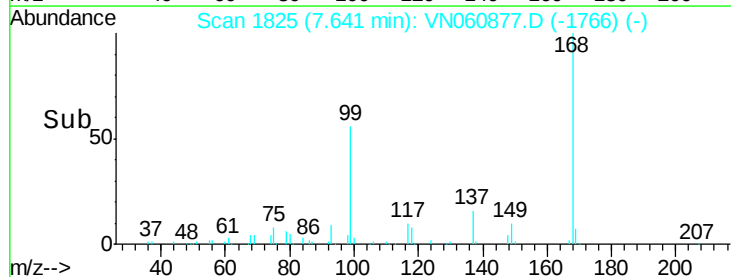
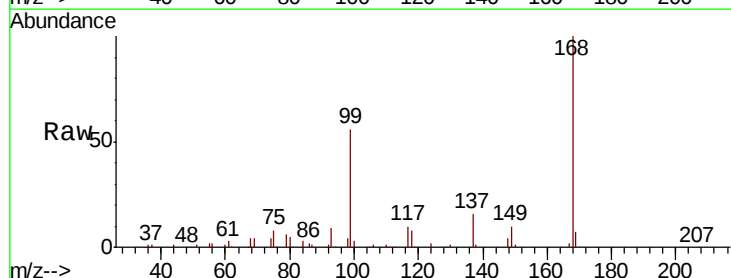
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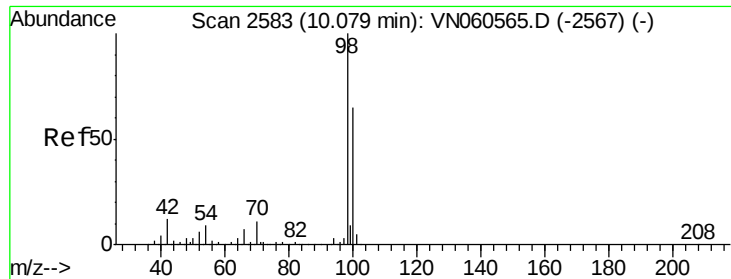
Tot Ion: 75 Resp: 15369
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.9 50.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.558 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060877.D
 Acq: 7 Apr 2020 15:18

Tgt Ion: 117 Resp: 18985
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.2 114.2#
 121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 49.715 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060877.D

Acq: 7 Apr 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

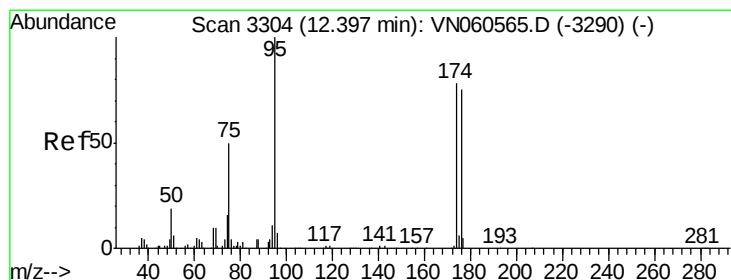
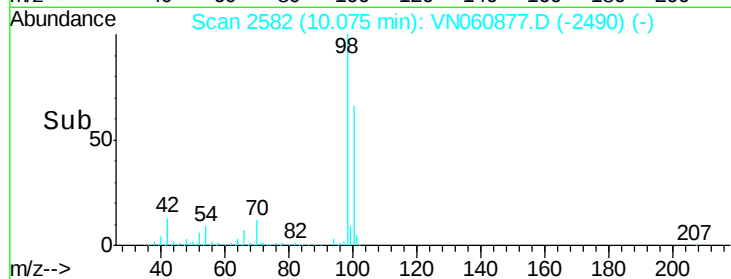
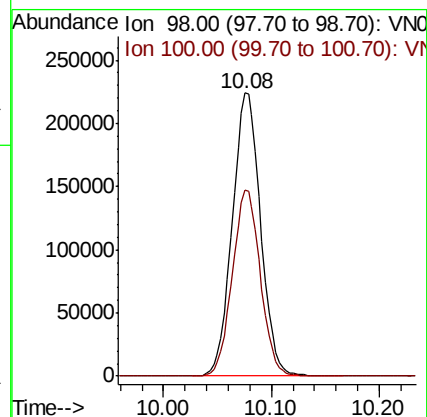
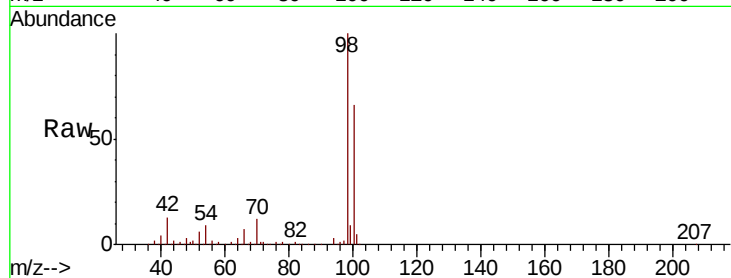
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 98 Resp: 409612

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 49.873 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060877.D

Acq: 7 Apr 2020 15:18

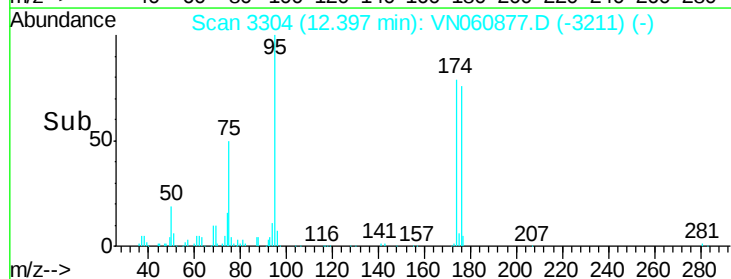
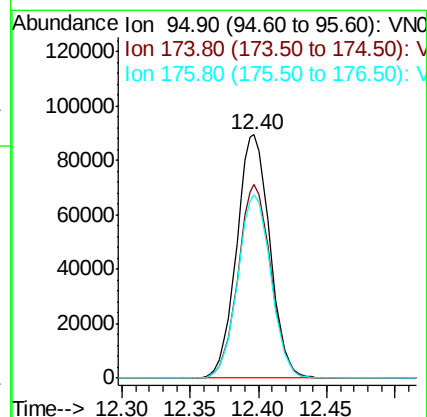
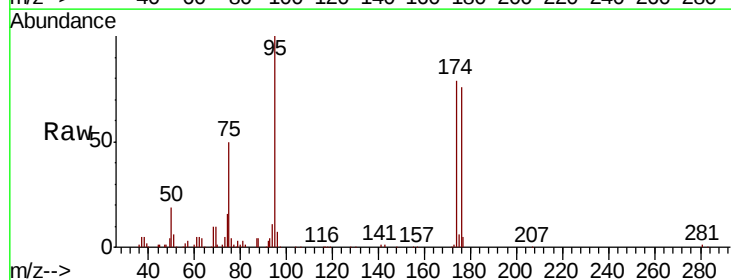
Tgt Ion: 95 Resp: 150594

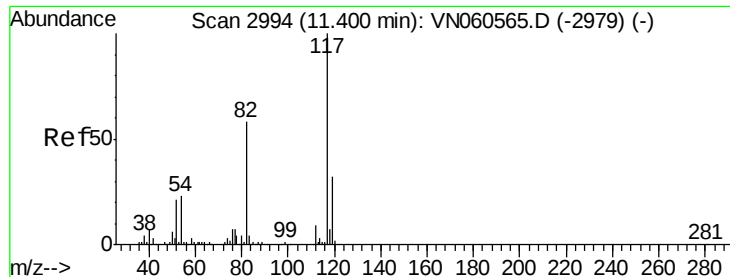
Ion Ratio Lower Upper

95 100

174 78.7 0.0 157.6

176 75.5 0.0 150.6

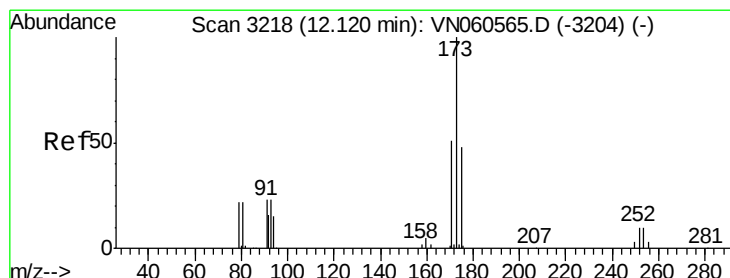
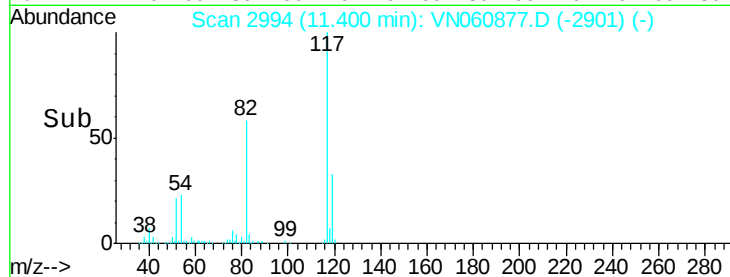
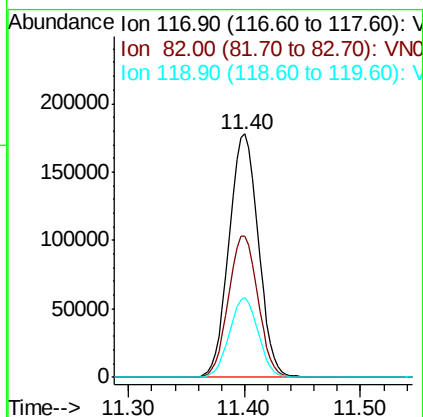
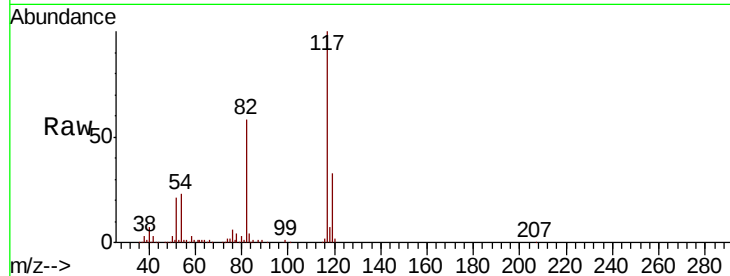




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060877.D
Acq: 7 Apr 2020 15:18

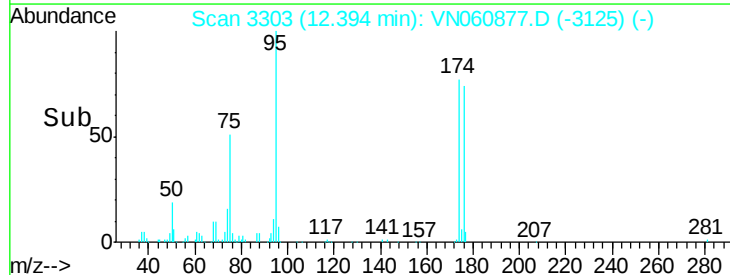
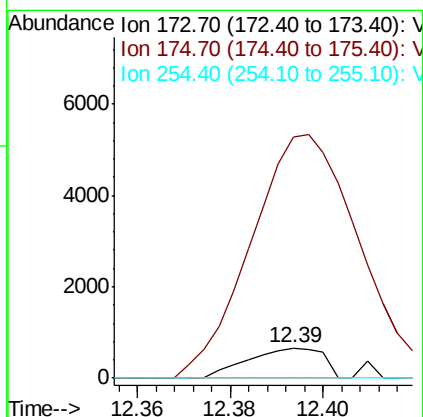
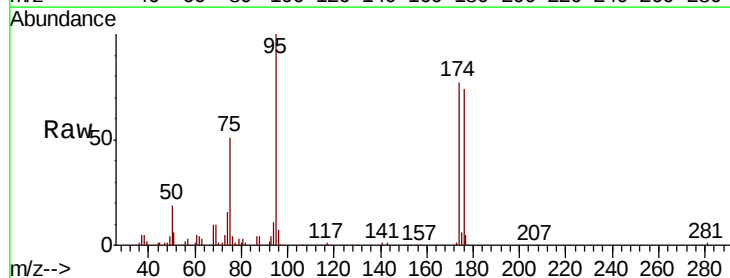
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

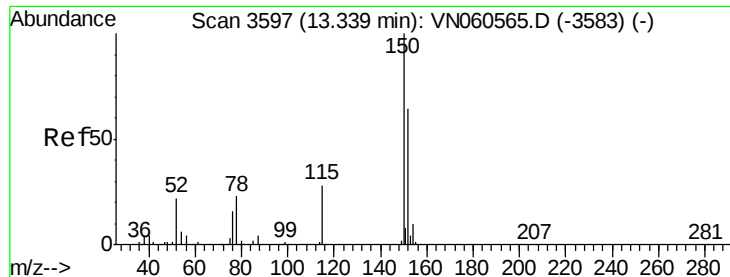
Tot Ion:117 Resp: 310791
Ion Ratio Lower Upper
117 100
82 58.2 46.7 70.1
119 32.6 25.5 38.3



#71
Bromoform
Concen: 2.071 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060877.D
Acq: 7 Apr 2020 15:18

Tgt Ion:173 Resp: 750
Ion Ratio Lower Upper
173 100
175 991.2 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: VN060877.D

Acq: 7 Apr 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

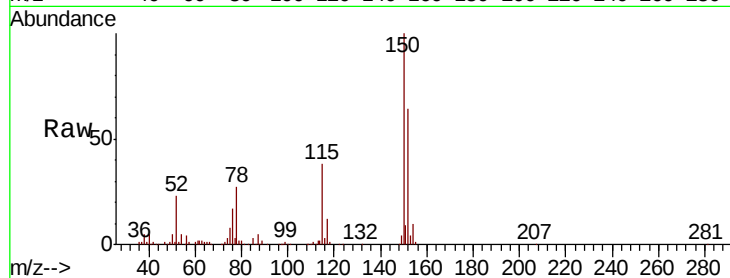
Tot Ion:152 Resp: 136464

Ion Ratio Lower Upper

152 100

115 60.1 30.2 90.6

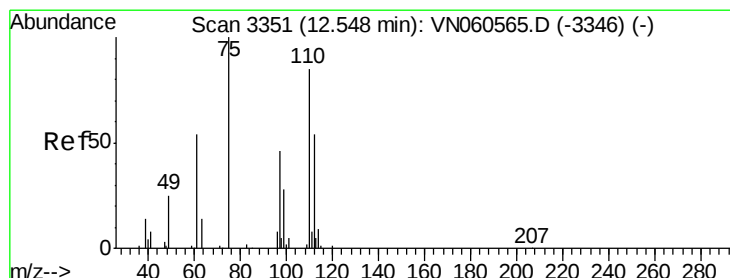
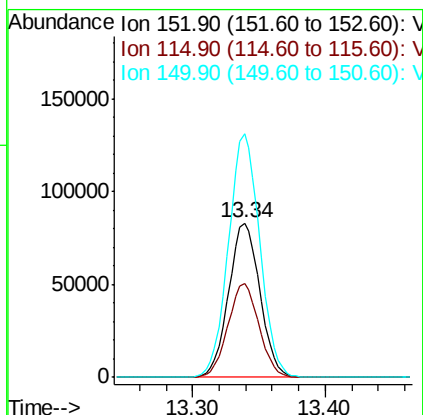
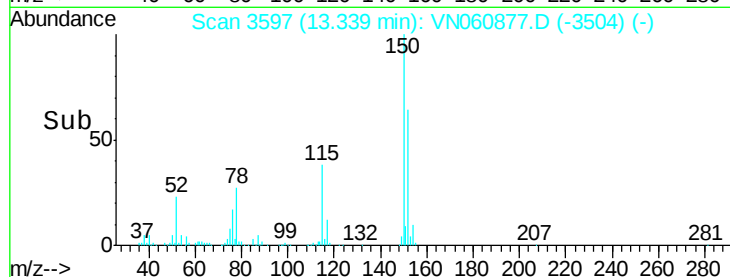
150 157.5 0.0 350.2



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: 25.823 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060877.D

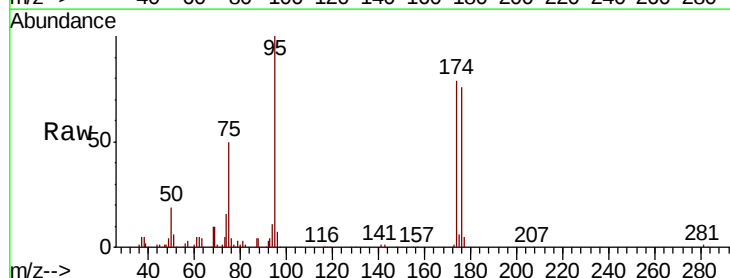
Acq: 7 Apr 2020 15:18

Tgt Ion: 75 Resp: 76038

Ion Ratio Lower Upper

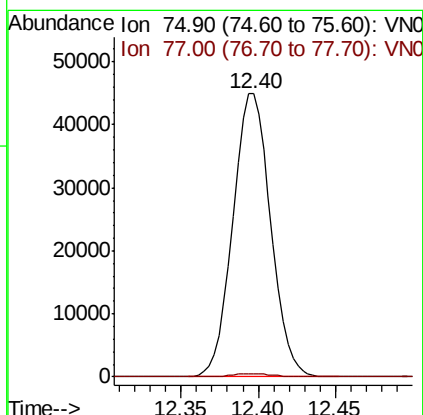
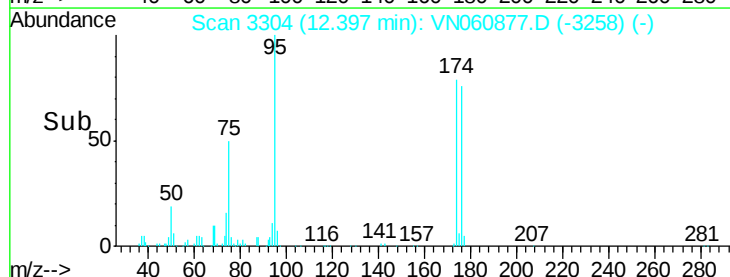
75 100

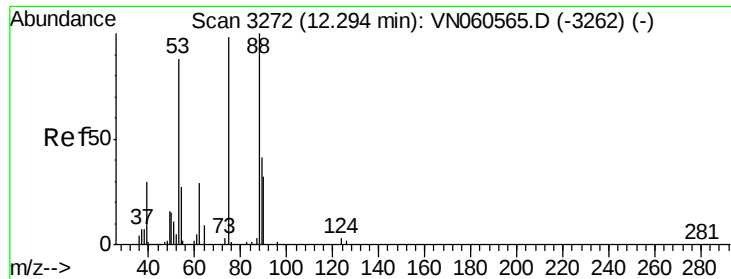
77 1.1 0.0 0.0#



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: 66.321 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060877.D
 Acq: 7 Apr 2020 15:18

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

Tot Ion: 75 Resp: 76038
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

