

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032919\
 Data File : VN054773.D
 Acq On : 29 Mar 2019 16:40
 Operator : JC/SP
 Sample : K2163-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Mar 30 03:09:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	548816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	873395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	723480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	248020	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	354756	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
35) Dibromofluoromethane	7.59	113	276981	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	10.09	98	1040455	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	310523	43.13	ug/l	0.00
Spiked Amount			Recovery	=	86.26%	

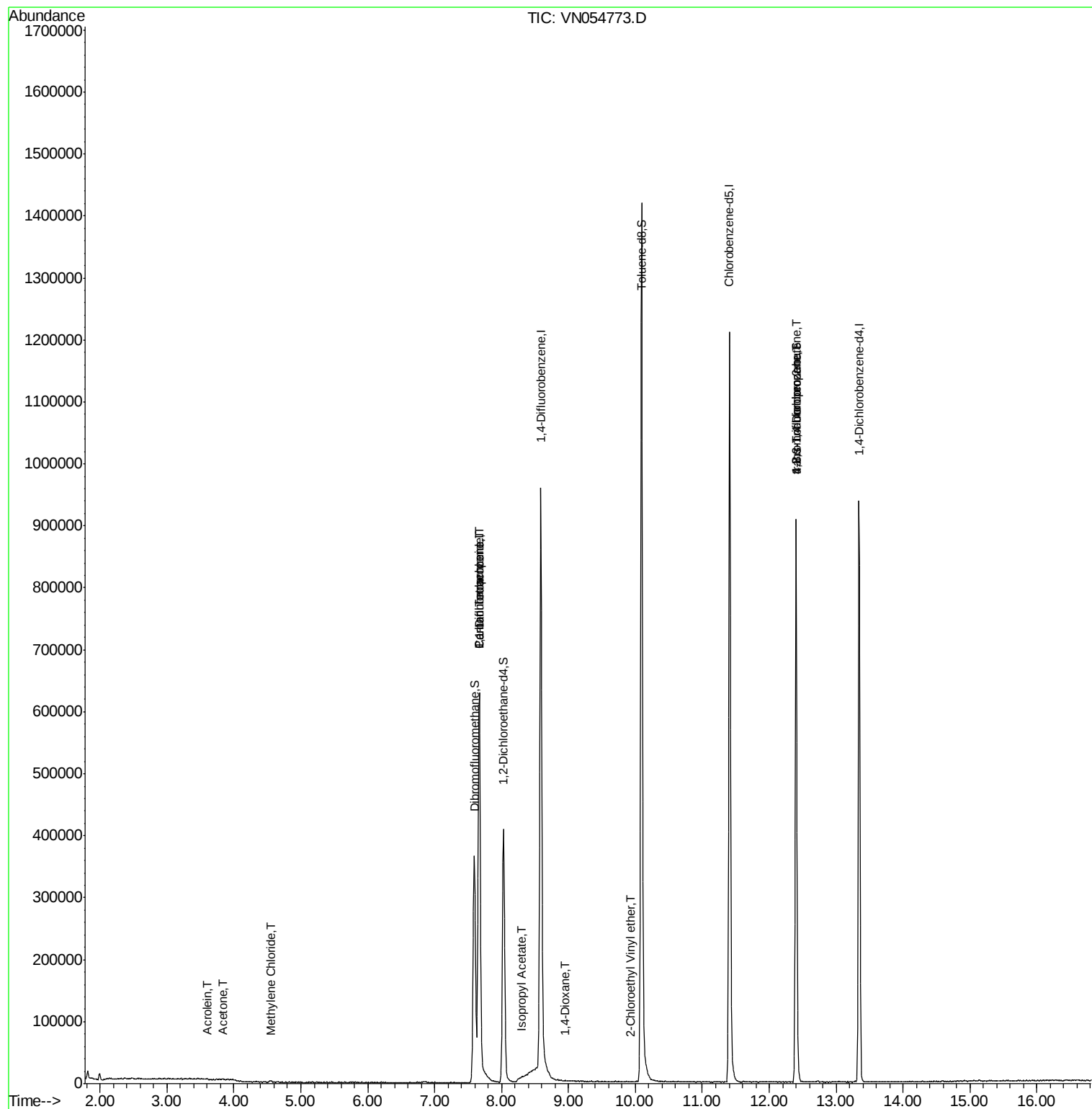
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	96	Below Cal		98
13) Acrolein	3.62	56	527	1.529	ug/l	95
16) Acetone	3.83	43	1698	0.962	ug/l #	75
18) Methyl Acetate	4.34	43	1105	Below Cal	#	85
20) Methylene Chloride	4.55	84	1263	0.203	ug/l #	74
31) Cyclohexane	7.67	56	11766	Below Cal	#	23
36) 1,1-Dichloropropene	7.66	75	41534	5.103	ug/l #	47
38) Carbon Tetrachloride	7.67	117	50586	6.400	ug/l #	16
43) Isopropyl Acetate	8.31	43	14820	1.528	ug/l #	60
49) 1,4-Dioxane	8.96	88	30	0.575	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.92	63	64	10.376	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.39	83	193	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	161379	37.454	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	161379	145.688	ug/l #	11
83) tert-Butylbenzene	12.99	119	295	Below Cal	#	61
94) Hexachlorobutadiene	15.01	225	151	Below Cal	#	19

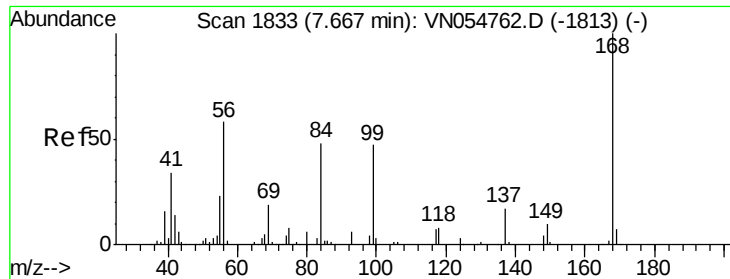
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN032919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

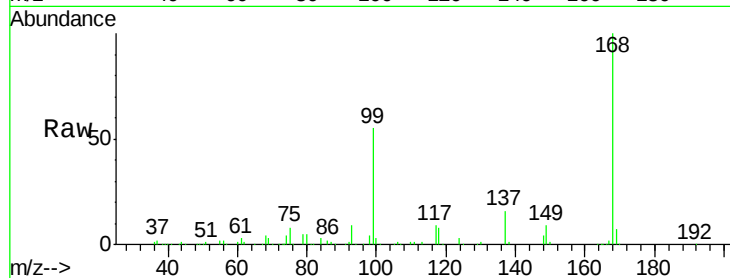
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 548816

Ion Ratio Lower Upper

168 100

99 55.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

250000

200000

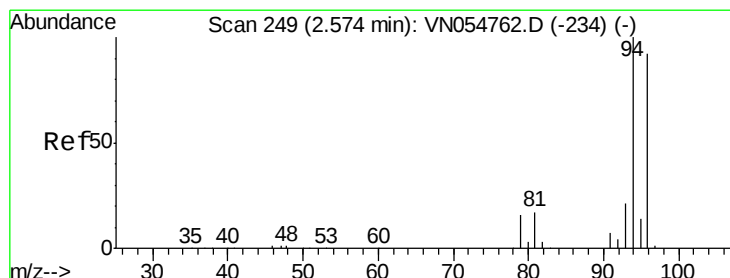
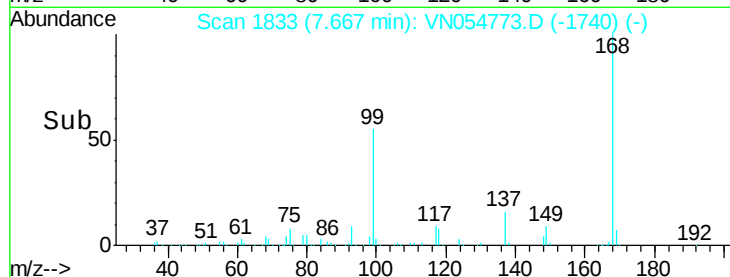
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054773.D

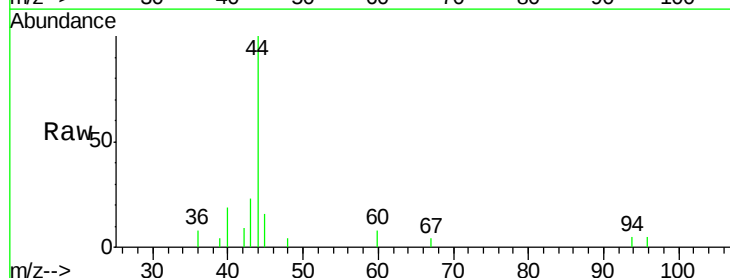
Acq: 29 Mar 2019 16:40

Tgt Ion: 94 Resp: 96

Ion Ratio Lower Upper

94 100

96 98.4 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN054762.D (-234) (-)

250

200

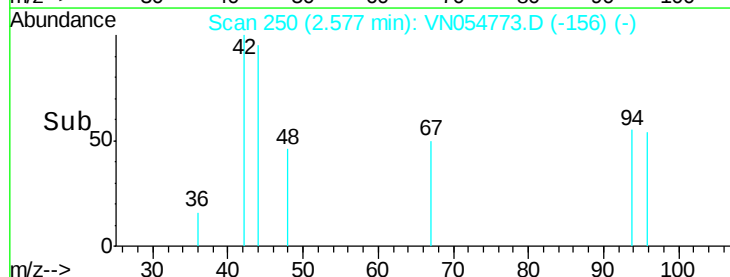
150

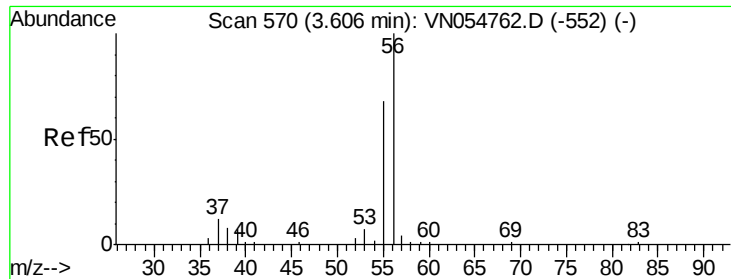
100

50

0

Time-->





#13

Acrolein

Concen: 1.529 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

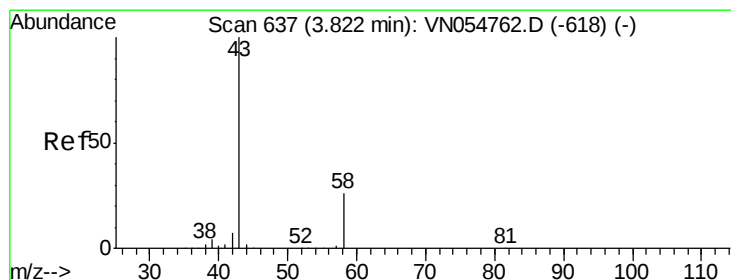
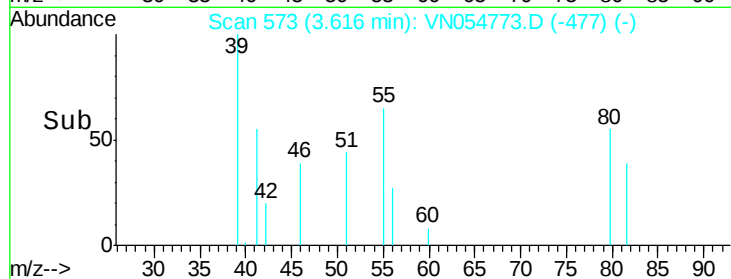
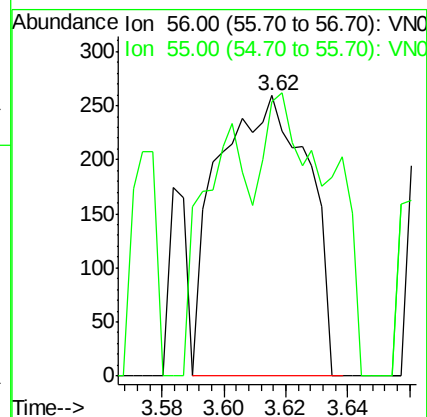
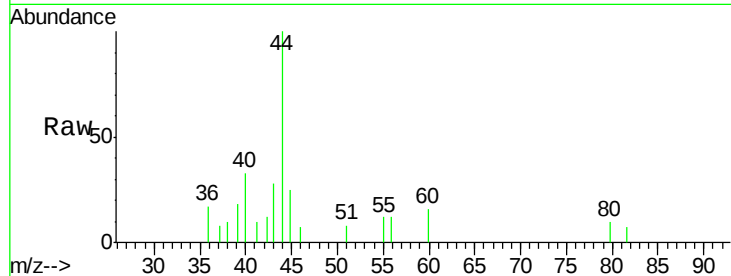
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 56 Resp: 527

Ion Ratio Lower Upper

56 100

55 75.0 56.7 85.1



#16

Acetone

Concen: 0.962 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054773.D

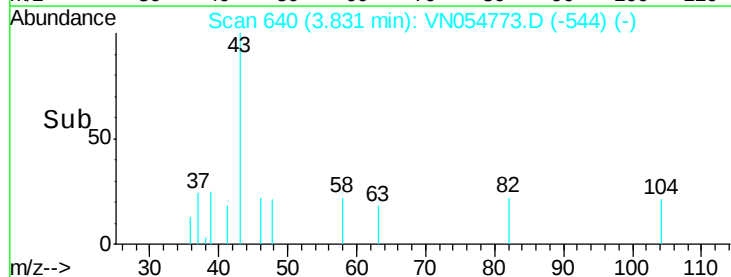
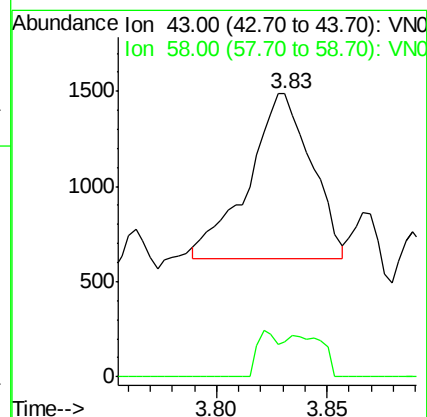
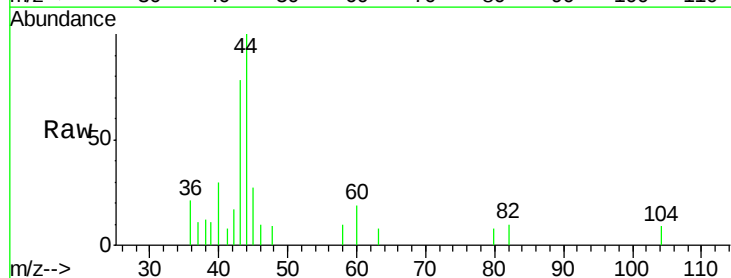
Acq: 29 Mar 2019 16:40

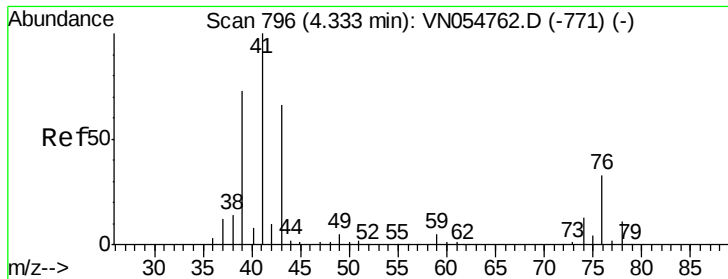
Tgt Ion: 43 Resp: 1698

Ion Ratio Lower Upper

43 100

58 22.5 29.9 44.9#

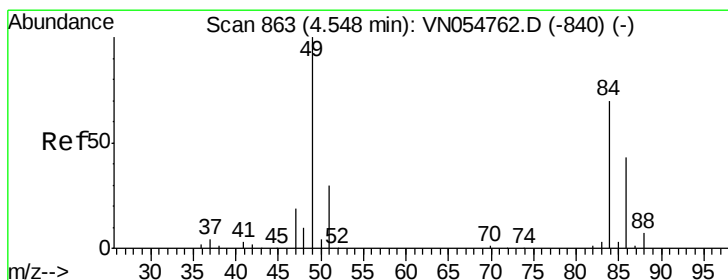
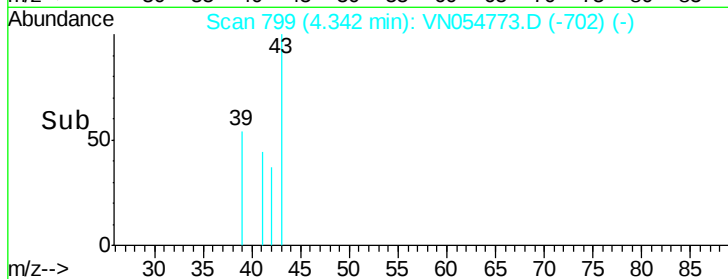
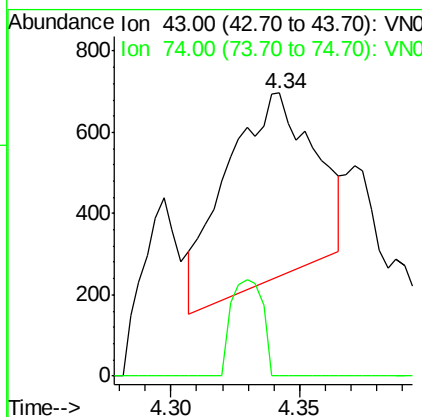
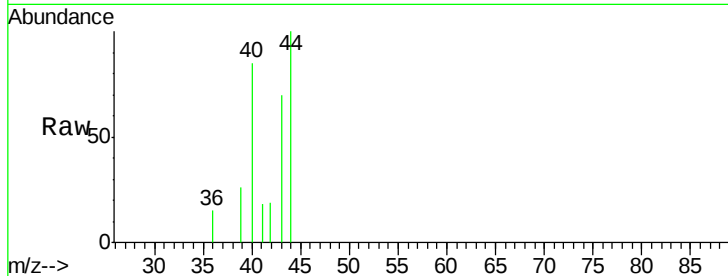




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.01 min
Lab File: VN054773.D
Acq: 29 Mar 2019 16:40

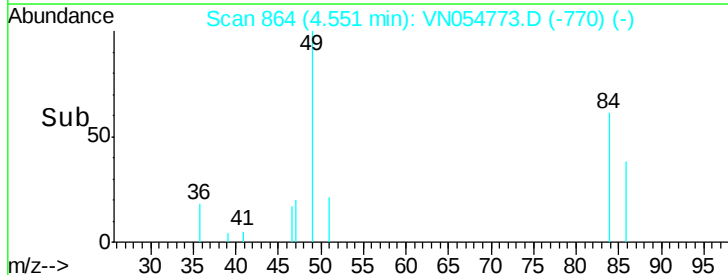
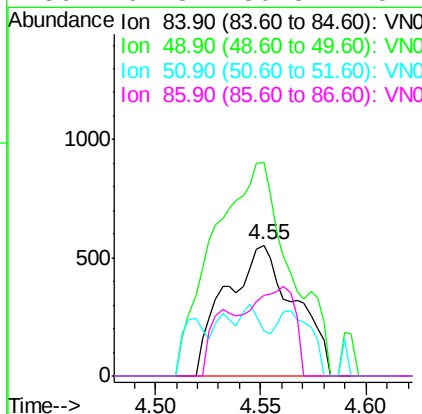
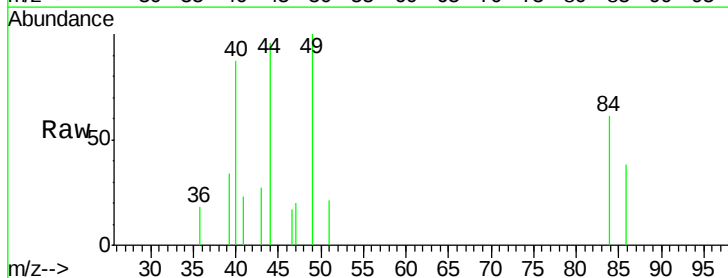
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

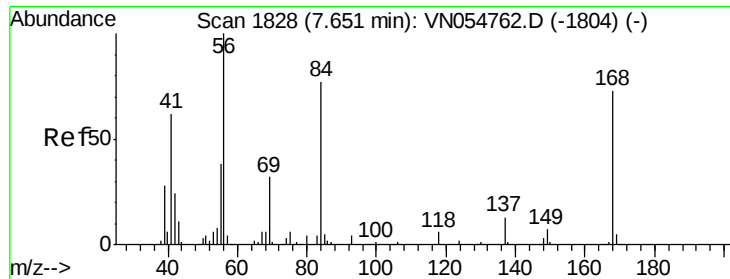
Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
74 18.4 20.8 31.2#



#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054773.D
Acq: 29 Mar 2019 16:40

Tgt Ion: 84 Resp: 1263
Ion Ratio Lower Upper
84 100
49 163.5 89.7 134.5#
51 34.7 28.2 42.4
86 61.8 50.8 76.2

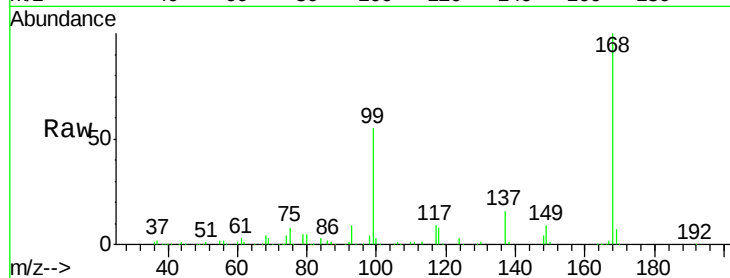




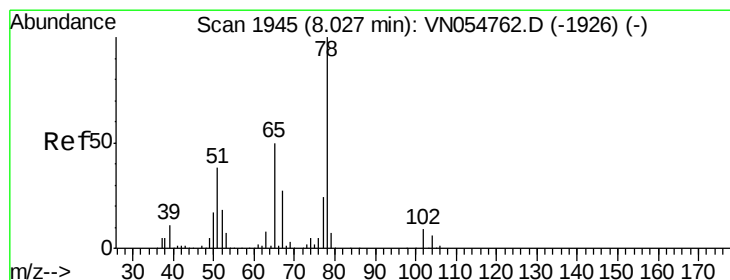
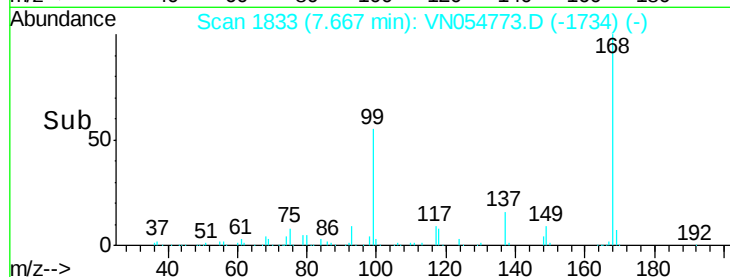
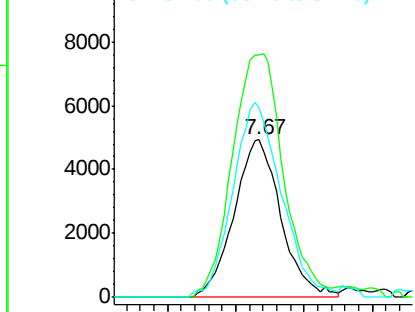
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054773.D
Acq: 29 Mar 2019 16:40

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

Tgt Ion: 56 Resp: 11766
Ion Ratio Lower Upper
56 100
69 154.1 27.8 41.6#
84 120.6 74.6 111.8#

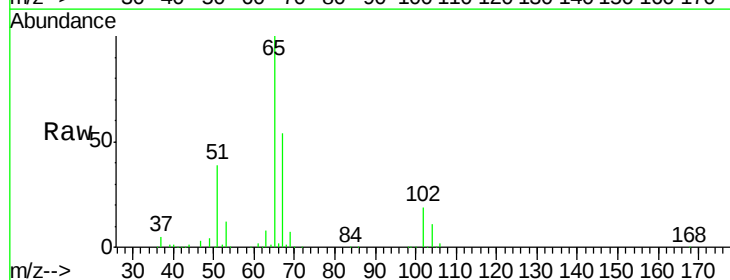


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

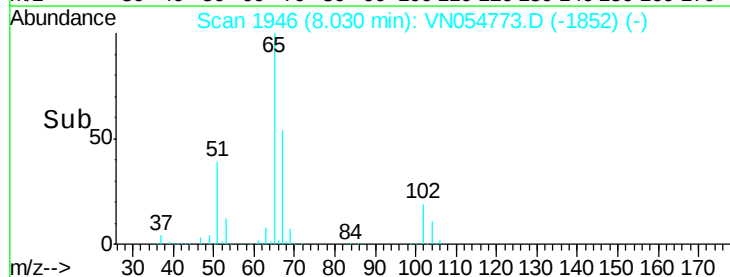
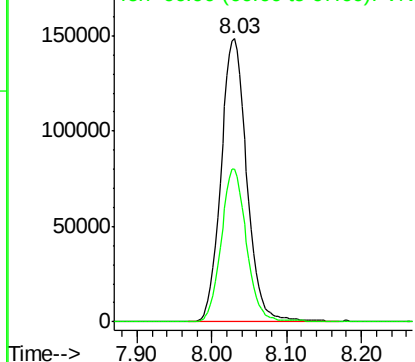


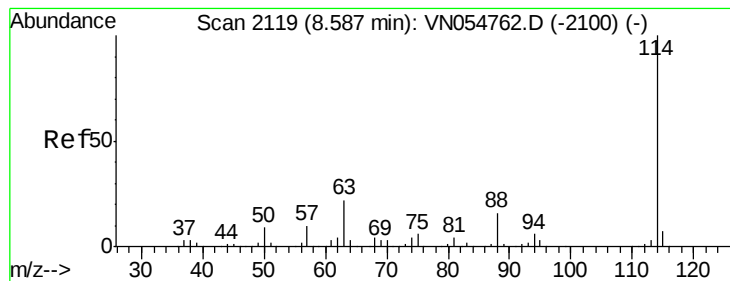
#33
1,2-Dichloroethane-d4
Concen: 47.952 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054773.D
Acq: 29 Mar 2019 16:40

Tgt Ion: 65 Resp: 354756
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

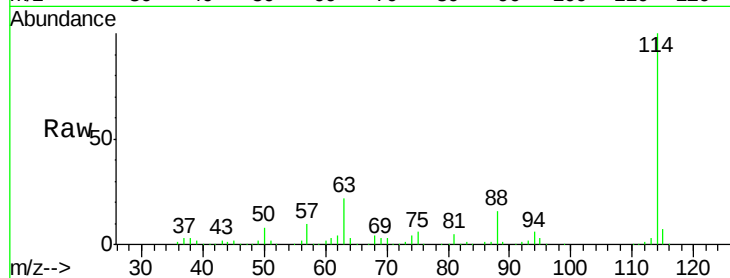
Tgt Ion:114 Resp: 873395

Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

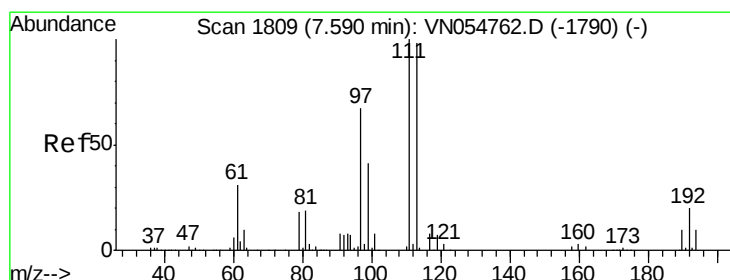
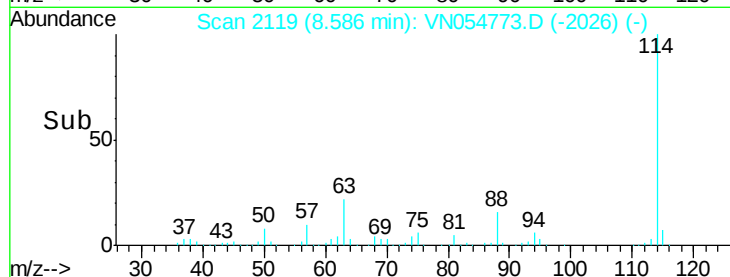
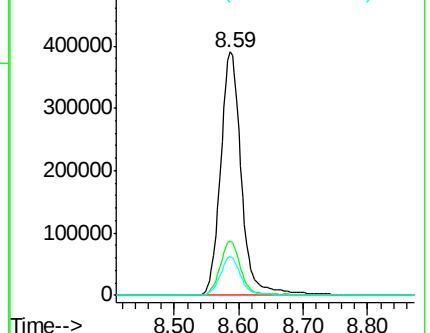
88 15.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.568 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

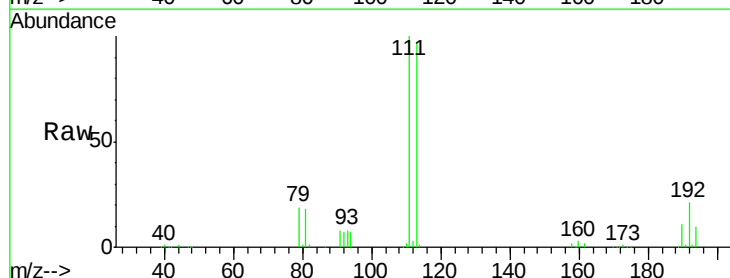
Tgt Ion:113 Resp: 276981

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

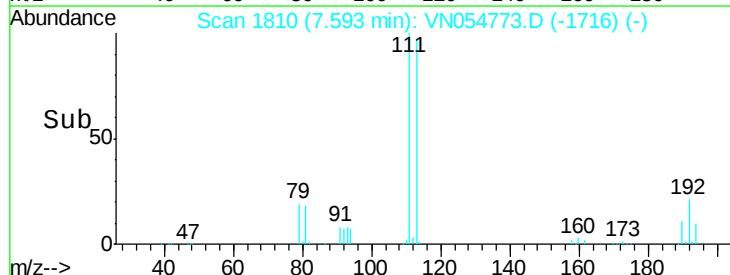
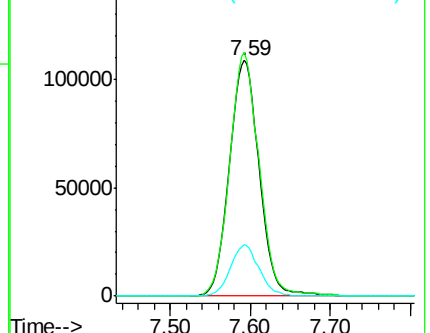
192 20.9 19.2 28.8

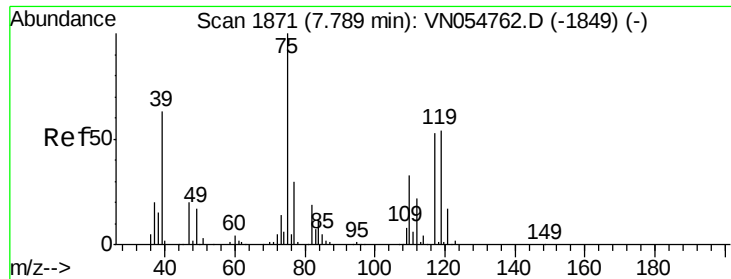


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

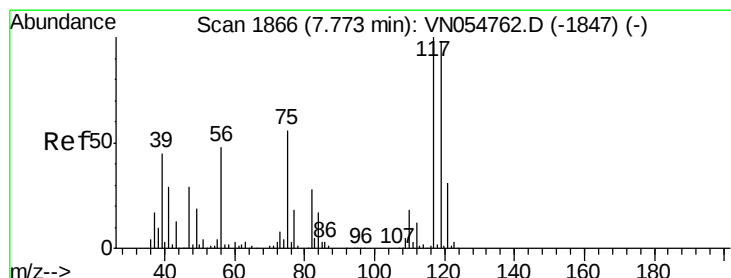
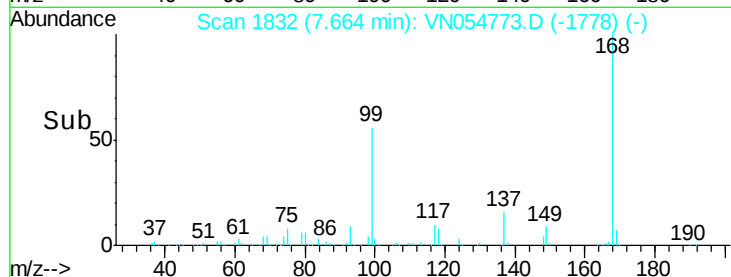
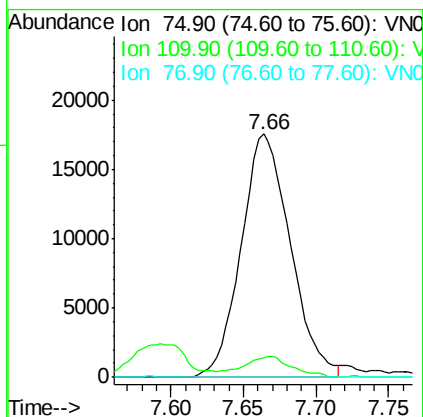
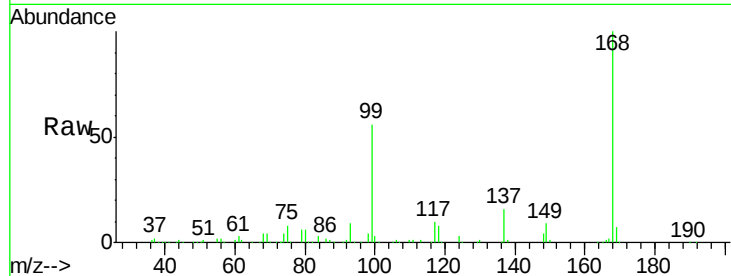




#36
 1,1-Dichloropropene
 Concen: 5.103 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054773.D
 Acq: 29 Mar 2019 16:40

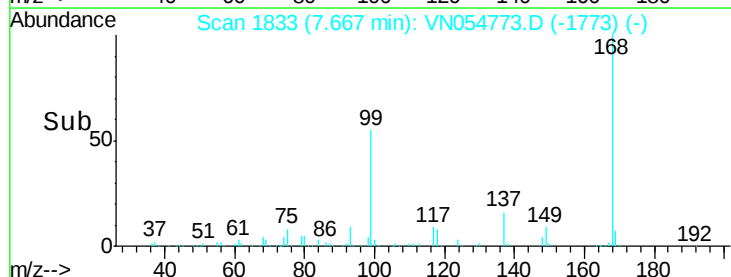
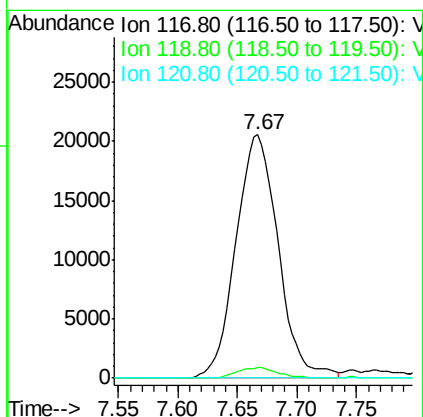
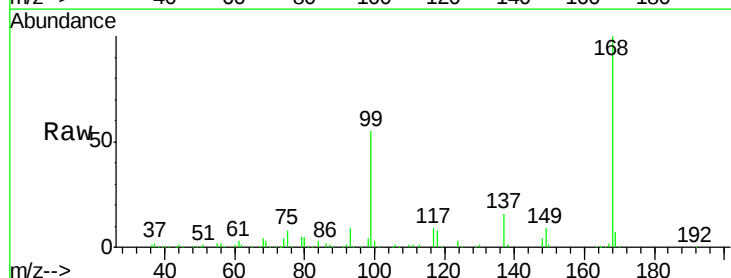
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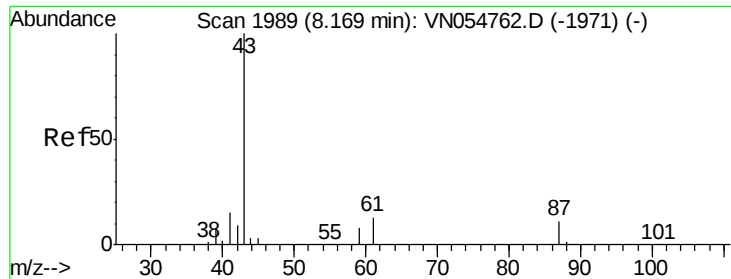
Tgt Ion: 75 Resp: 41534
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.400 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054773.D
 Acq: 29 Mar 2019 16:40

Tgt Ion: 117 Resp: 50586
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.3 114.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 1.528 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.14 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

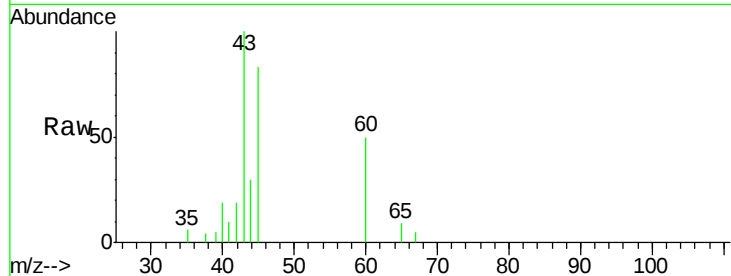
Tgt Ion: 43 Resp: 14820

Ion Ratio Lower Upper

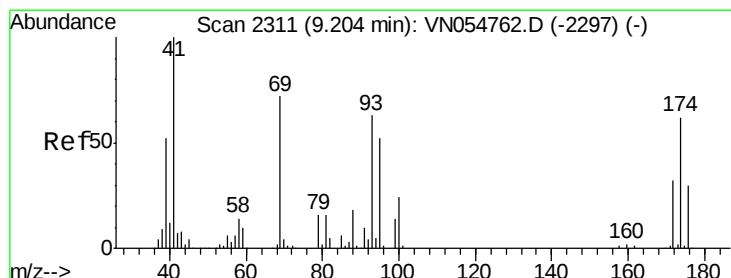
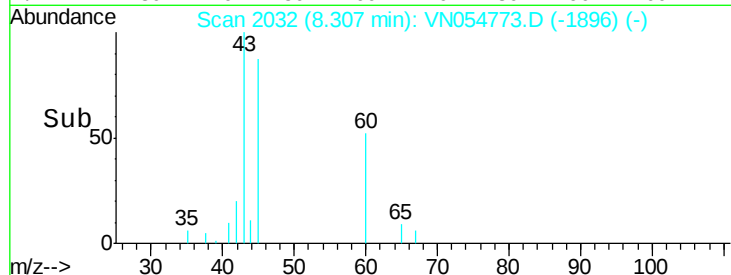
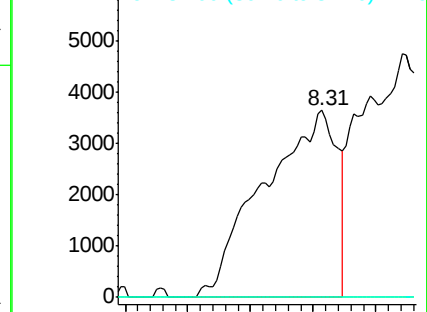
43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 0.575 ug/l

RT: 8.96 min Scan# 2236

Delta R.T. -0.24 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

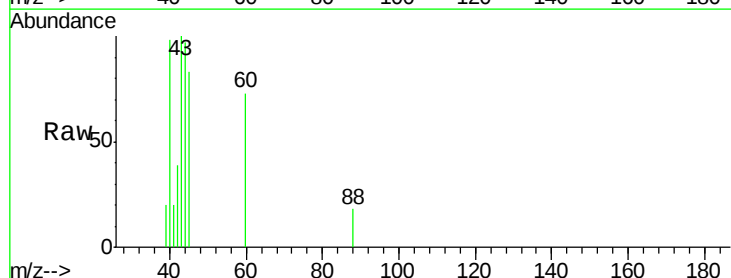
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

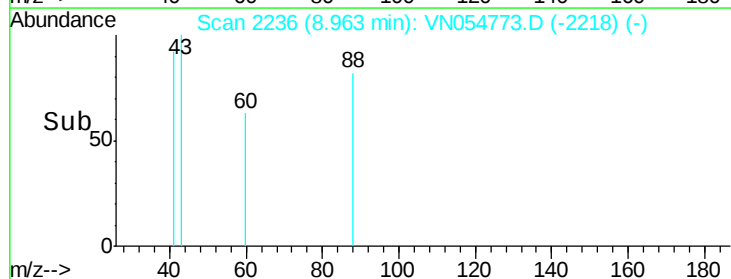
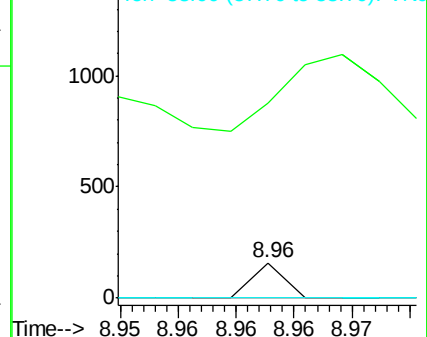
88 100

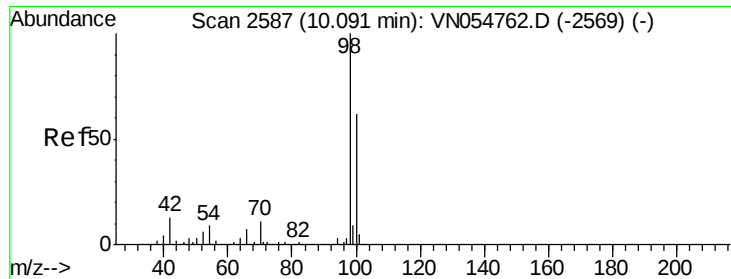
43 1023.3 24.1 36.1#

58 0.0 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

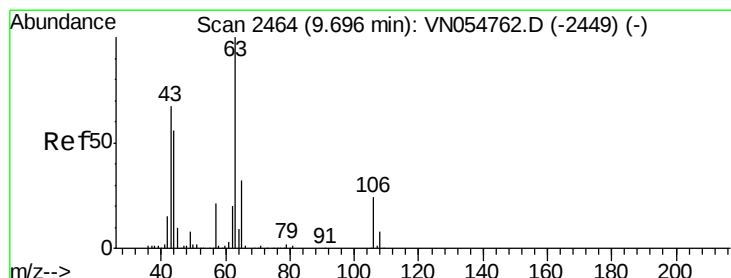
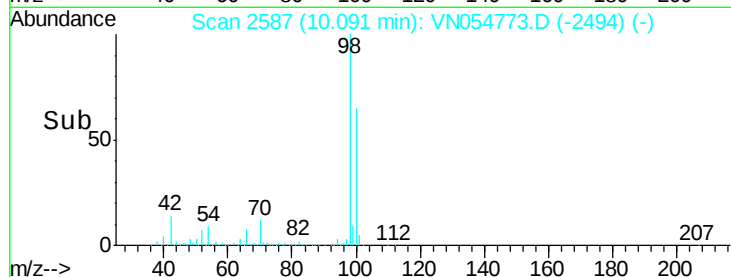
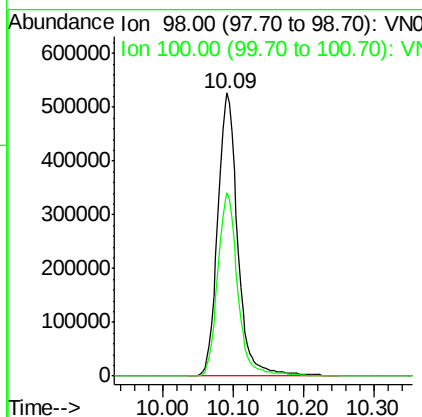
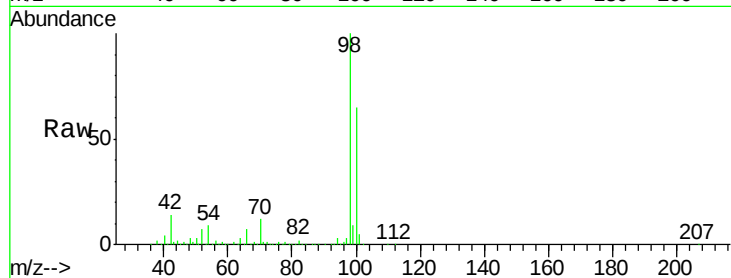




#50
Toluene-d8
Concen: 48.062 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054773.D
Acq: 29 Mar 2019 16:40

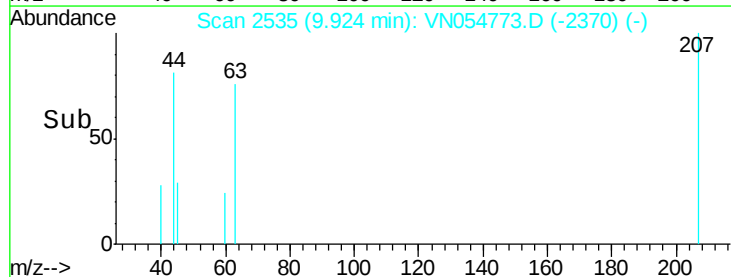
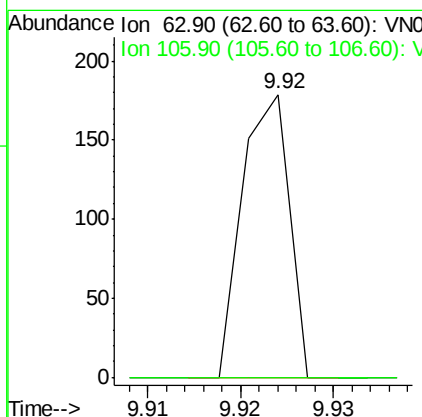
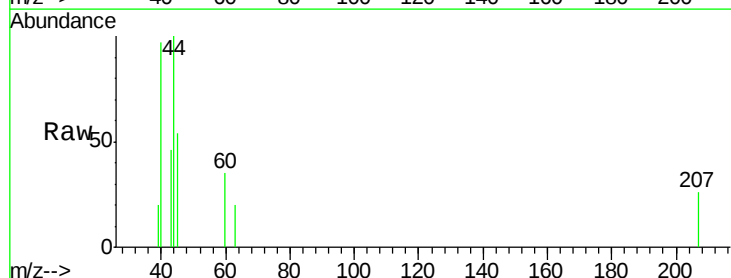
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

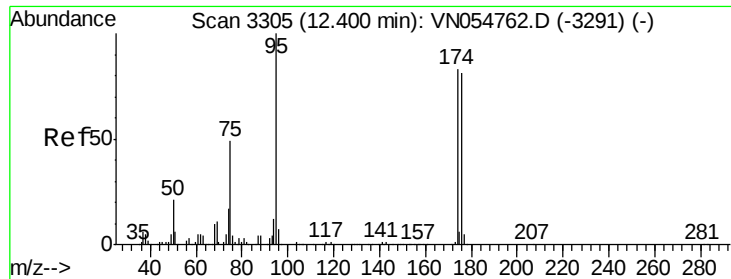
Tgt Ion: 98 Resp: 1040455
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



#58
2-Chloroethyl Vinyl ether
Concen: 10.376 ug/l
RT: 9.92 min Scan# 2535
Delta R.T. 0.23 min
Lab File: VN054773.D
Acq: 29 Mar 2019 16:40

Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 24.4 36.6#





#62

4-Bromofluorobenzene

Concen: 43.130 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

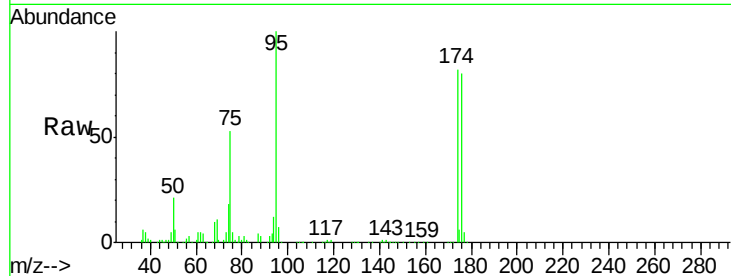
Tgt Ion: 95 Resp: 310523

Ion Ratio Lower Upper

95 100

174 84.8 0.0 191.0

176 81.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054773.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054773.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054773.D (-2903) (-)

12.40

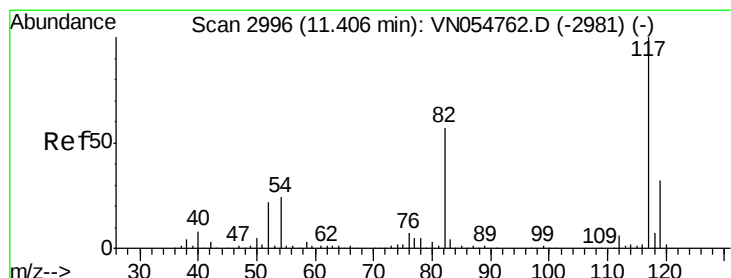
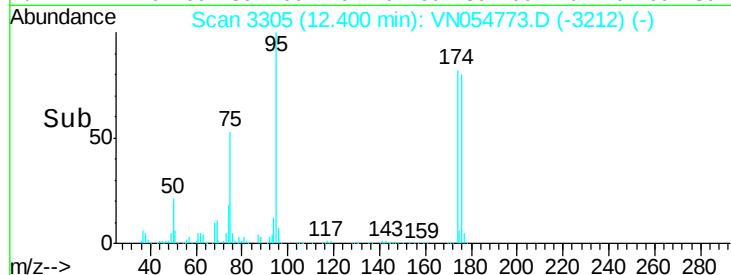
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

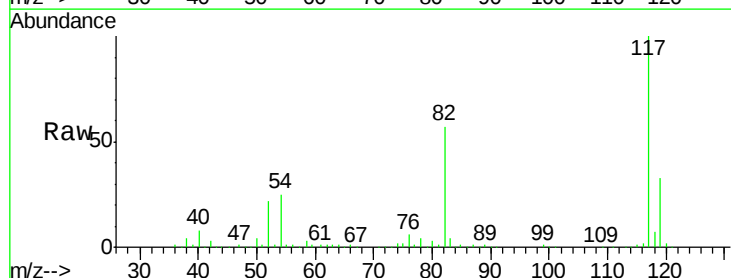
Tgt Ion: 117 Resp: 723480

Ion Ratio Lower Upper

117 100

82 56.7 40.0 60.0

119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN054773.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054773.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054773.D (-2903) (-)

11.41

500000

400000

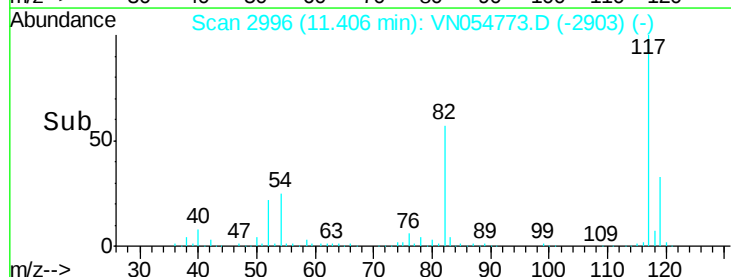
300000

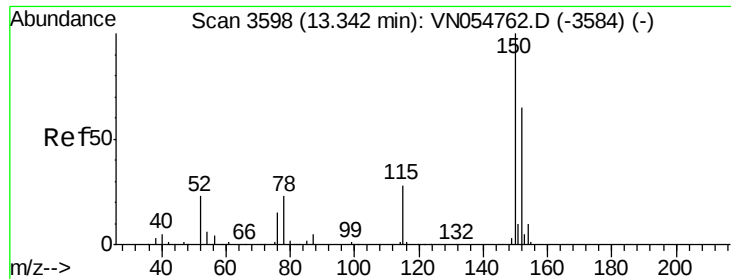
200000

100000

0

Time--> 11.30 11.40 11.50 11.60





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

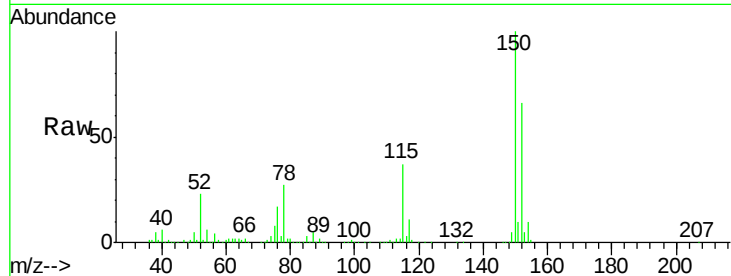
Tgt Ion:152 Resp: 248020

Ion Ratio Lower Upper

152 100

115 58.1 27.2 81.6

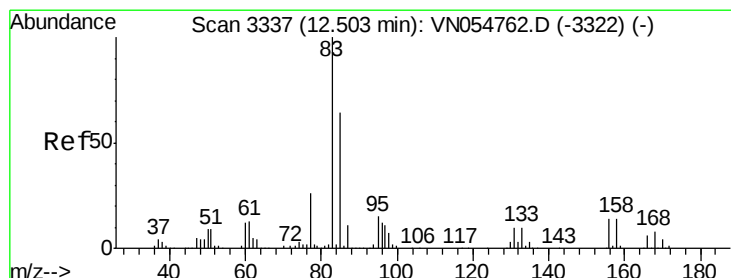
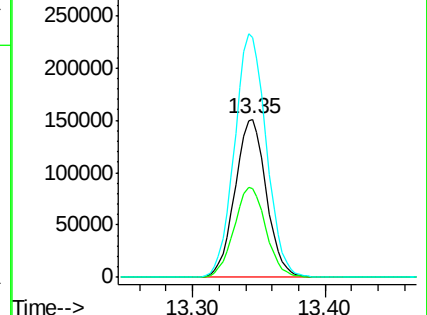
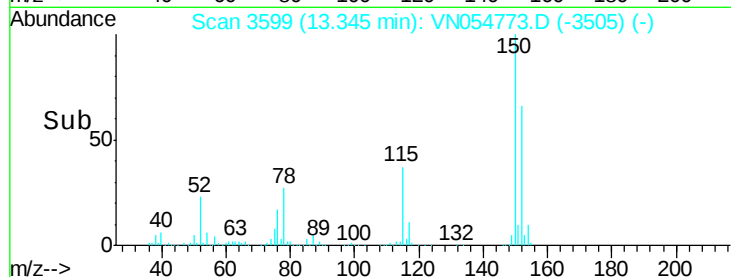
150 156.5 0.0 349.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.39 min Scan# 3303

Delta R.T. -0.11 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

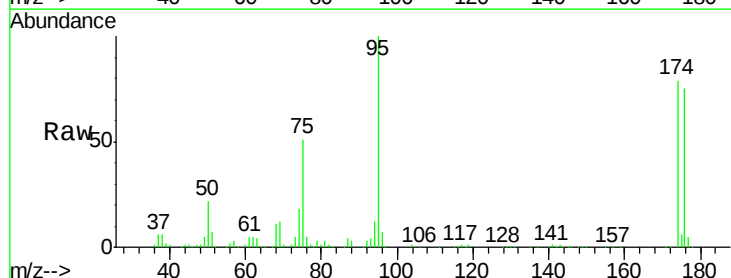
Tgt Ion: 83 Resp: 193

Ion Ratio Lower Upper

83 100

131 105.2 5.8 17.4#

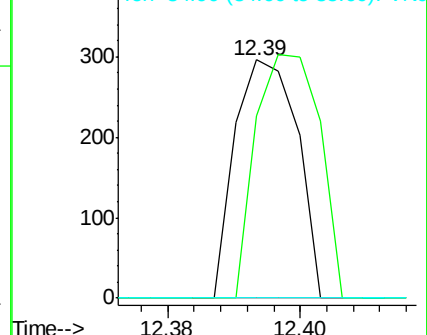
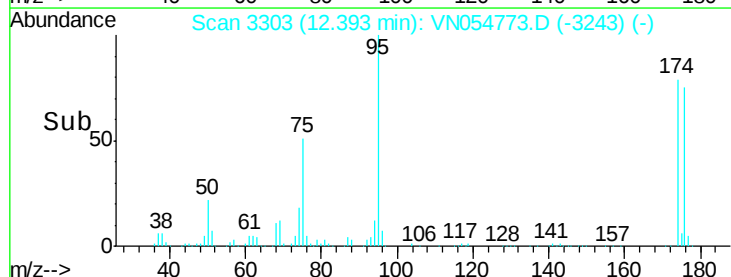
85 0.0 32.2 96.6#

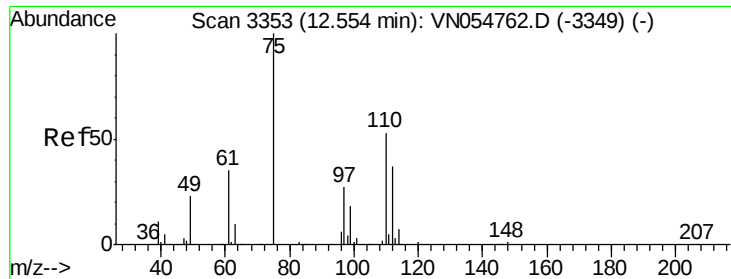


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.454 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

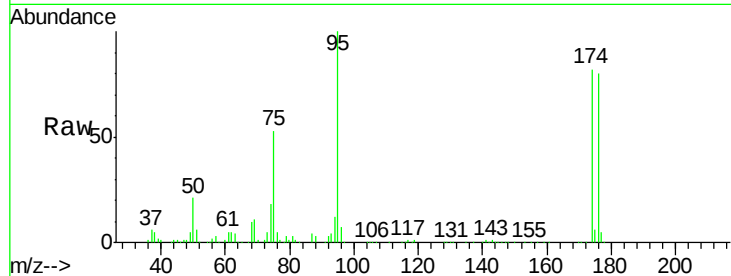
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 161379

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

100000

80000

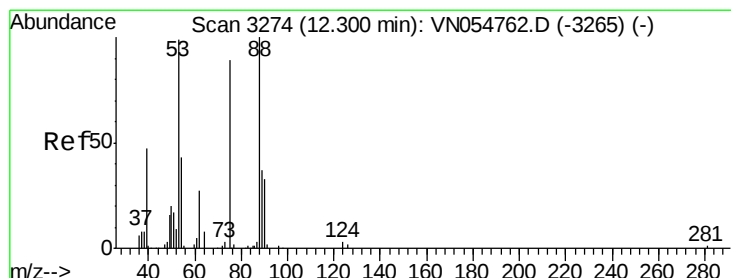
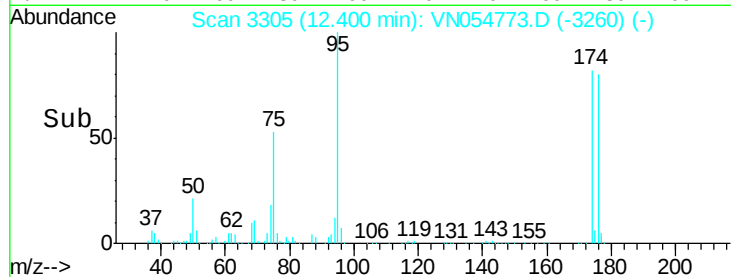
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 145.688 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054773.D

Acq: 29 Mar 2019 16:40

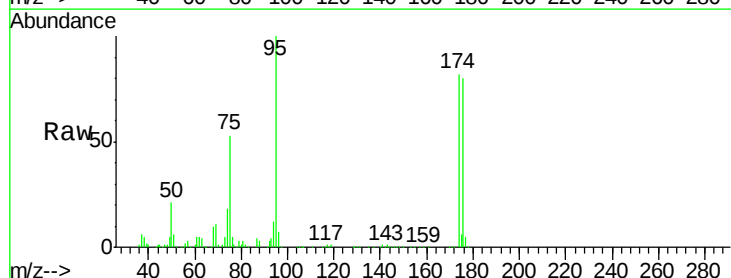
Tgt Ion: 75 Resp: 161379

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

120000

100000

80000

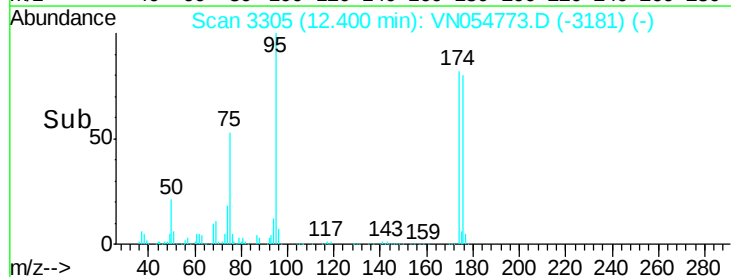
60000

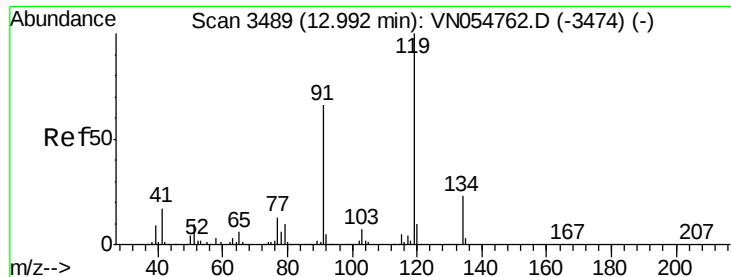
40000

20000

0

Time--> 12.30 12.40 12.50

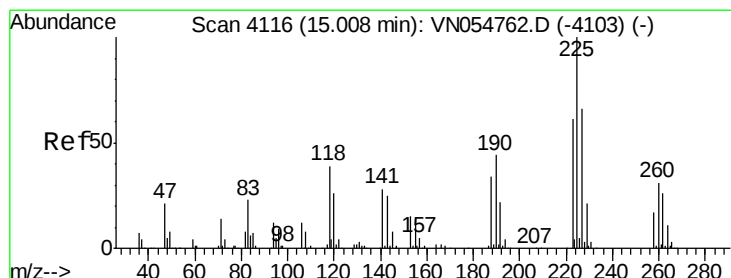
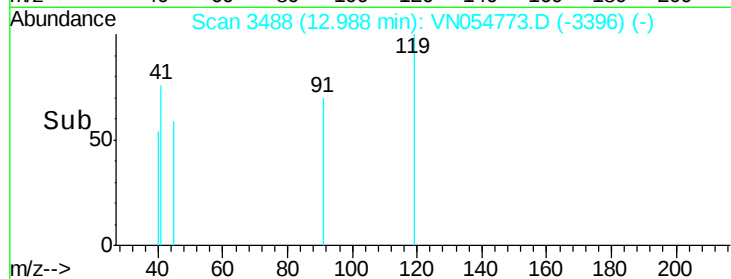
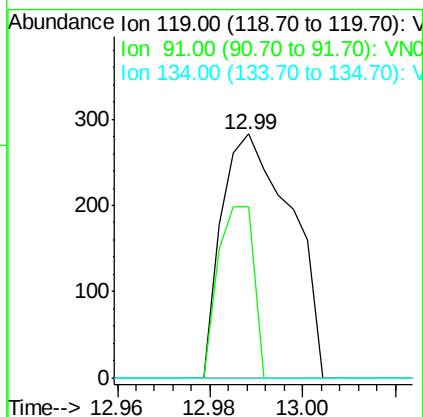
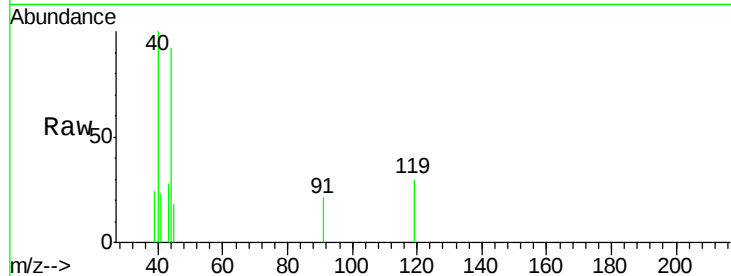




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN054773.D
 Acq: 29 Mar 2019 16:40

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

Tgt Ion:119 Resp: 295
 Ion Ratio Lower Upper
 119 100
 91 35.6 30.9 92.8
 134 0.0 13.2 39.6#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VN054773.D
 Acq: 29 Mar 2019 16:40

Tgt Ion:225 Resp: 151
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.5#
 227 0.0 31.9 95.9#

