

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054950.D
 Acq On : 4 Apr 2019 16:26
 Operator : JC/SP
 Sample : K2258-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STONE

Quant Time: Apr 05 03:18:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	542181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	872028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	762579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	280936	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	348152	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.59	113	280014	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.09	98	1053609	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.40	95	329904	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	

Target Compounds					Qvalue
13) Acrolein	3.62	56	376	4.824 ug/l	84
16) Acetone	3.82	43	12829	Below Cal #	87
17) Carbon Disulfide	4.04	76	3568	0.235 ug/l	96
18) Methyl Acetate	4.33	43	1045	Below Cal #	86
20) Methylene Chloride	4.55	84	215704	32.512 ug/l	99
25) 2-Butanone	6.87	43	2820	1.051 ug/l	92
29) Tetrahydrofuran	7.23	42	1360	0.773 ug/l #	54
31) Cyclohexane	7.66	56	12040	Below Cal #	1
36) 1,1-Dichloropropene	7.67	75	39810	4.607 ug/l #	51
38) Carbon Tetrachloride	7.67	117	49795	5.968 ug/l #	18
43) Isopropyl Acetate	8.17	43	16508	1.652 ug/l #	93
48) Methyl methacrylate	9.19	41	9672	1.912 ug/l #	28
51) 4-Methyl-2-Pentanone	9.99	43	7502	1.346 ug/l	99
52) Toluene	10.16	92	3151	0.215 ug/l	89
53) t-1,3-Dichloropropene	10.38	75	207	2.051 ug/l #	85
54) cis-1,3-Dichloropropene	9.90	75	60369	6.501 ug/l #	67
57) 1,3-Dichloropropane	10.76	76	8658	0.933 ug/l #	42
59) 2-Hexanone	10.77	43	152931	43.918 ug/l #	55
68) m/p-Xylenes	11.62	106	3549	0.346 ug/l	86
71) Bromoform	12.39	173	1072	0.313 ug/l #	29
74) N-amyl acetate	12.07	43	1767	0.268 ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.49	83	103	Below Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	170535	38.596 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6285	0.322 ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	170535	140.217 ug/l #	4
82) 4-Chlorotoluene	12.67	91	3116	0.203 ug/l	78
84) 1,2,4-Trimethylbenzene	13.04	105	9813	0.520 ug/l	94
89) n-Butylbenzene	13.62	91	4447	0.301 ug/l	88
93) 1,2,4-Trichlorobenzene	14.91	180	2158	2.872 ug/l	84
94) Hexachlorobutadiene	15.02	225	930	0.296 ug/l	82
95) Naphthalene	15.13	128	27411	5.298 ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	2783	0.646 ug/l	84

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QLast Update : Fri Apr 05 02:23:47 2019
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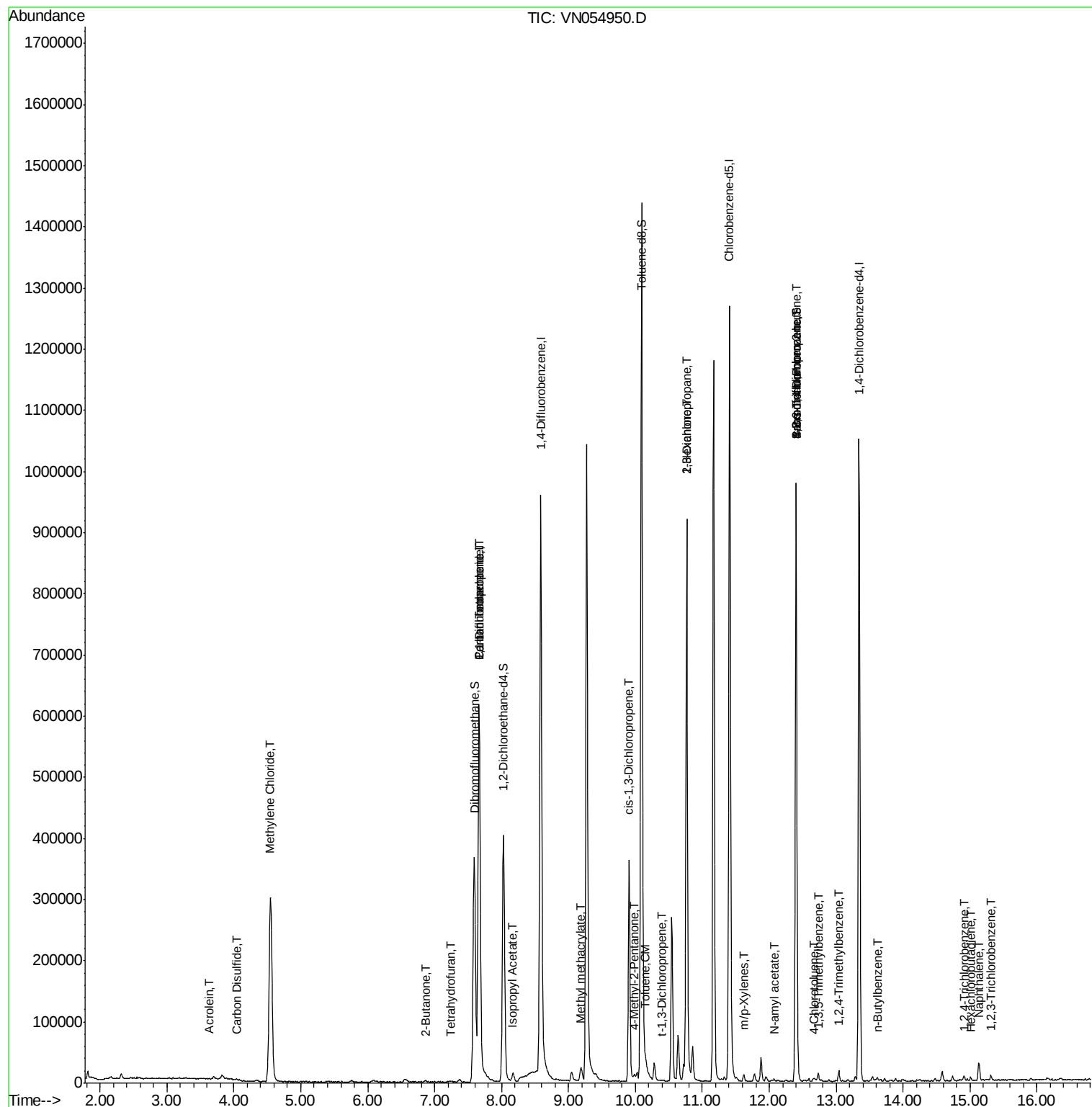
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

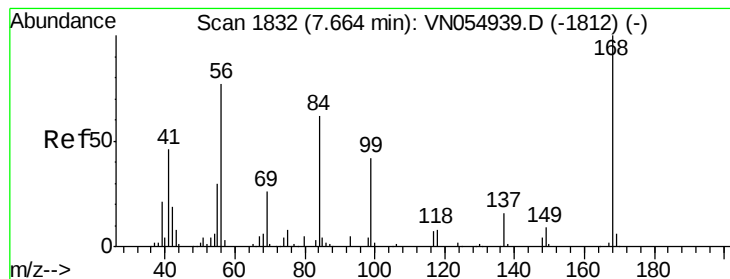
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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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: VN054950.D

Acq: 4 Apr 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

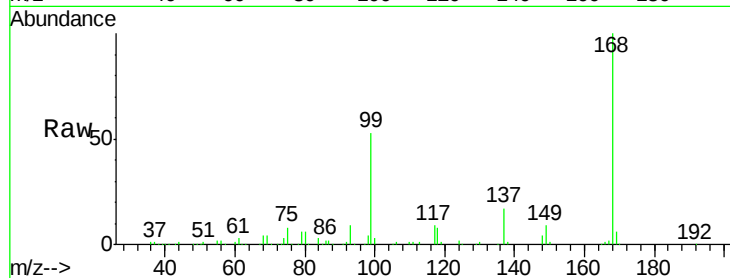
STONE

Tgt Ion:168 Resp: 542181

Ion Ratio Lower Upper

168 100

99 53.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VN054950.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054950.D (-1739) (-)

7.67

250000

200000

150000

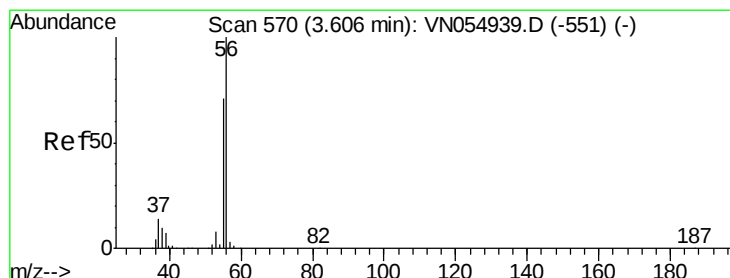
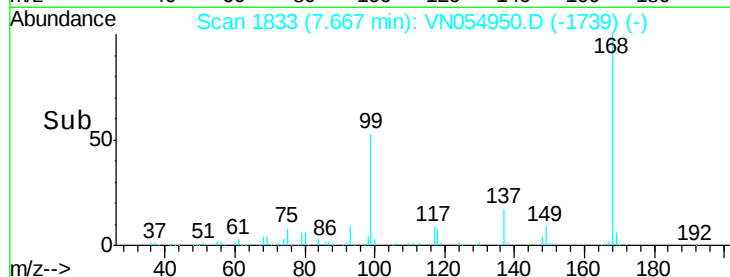
100000

50000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 4.824 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054950.D

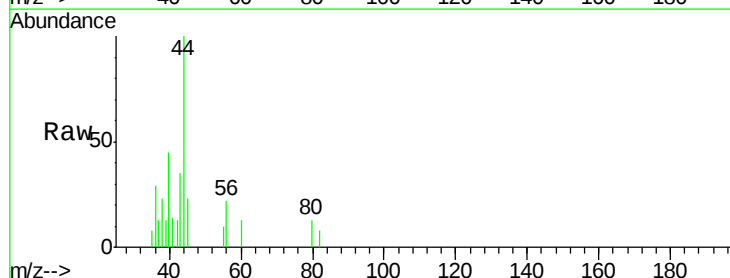
Acq: 4 Apr 2019 16:26

Tgt Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

55 86.4 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VN054950.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054950.D (-477) (-)

3.62

500

400

300

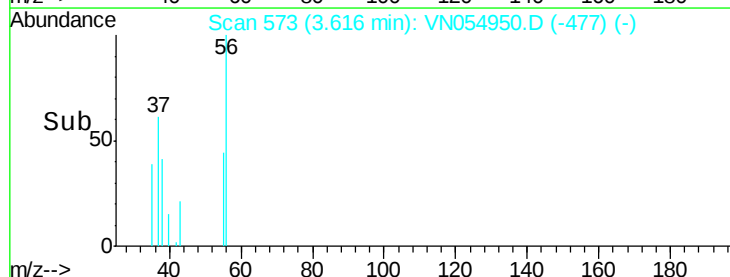
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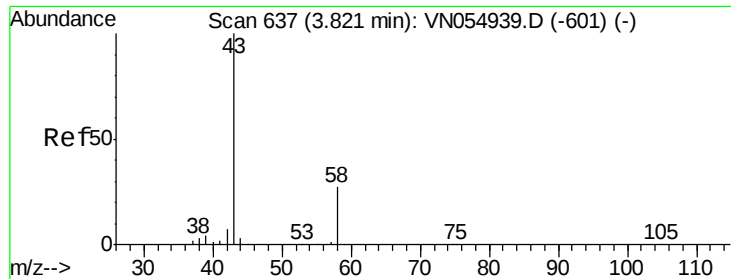
100

0

3.60 3.61 3.62 3.63 3.64

Time-->

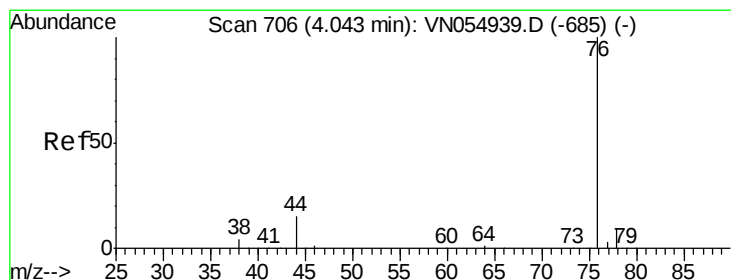
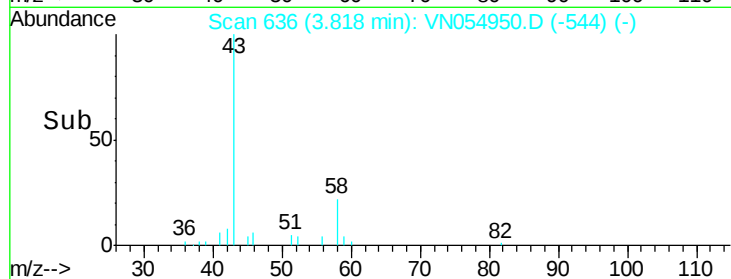
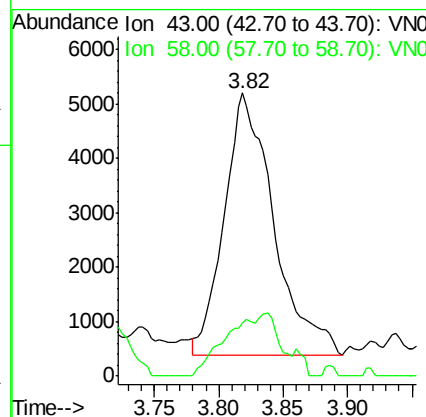
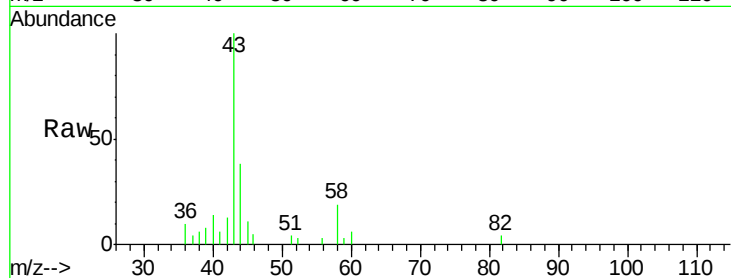




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

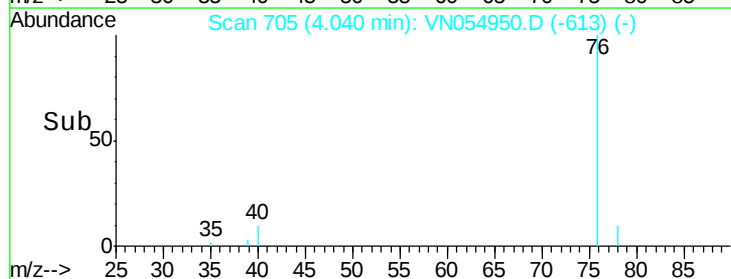
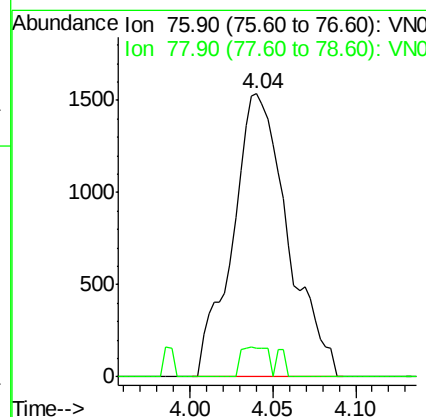
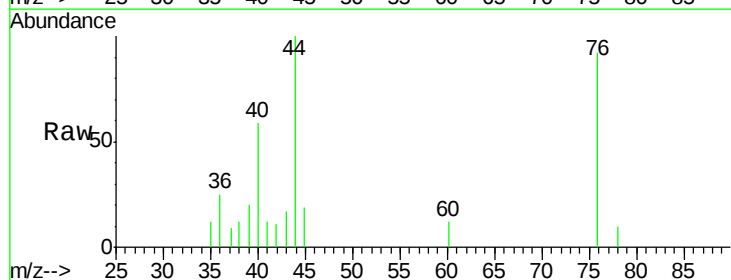
Instrument :
MSVOA_N
ClientSampleId :
STONE

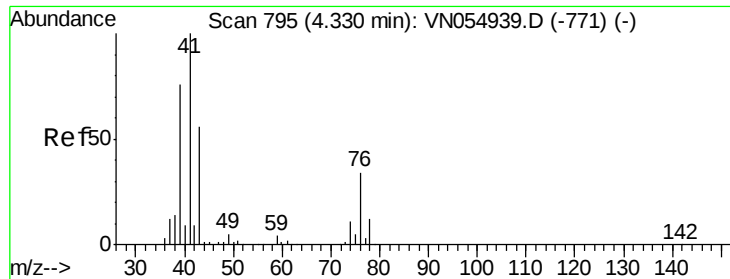
Tgt Ion: 43 Resp: 12829
Ion Ratio Lower Upper
43 100
58 20.3 21.7 32.5#



#17
Carbon Disulfide
Concen: 0.235 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

Tgt Ion: 76 Resp: 3568
Ion Ratio Lower Upper
76 100
78 10.4 7.1 10.7

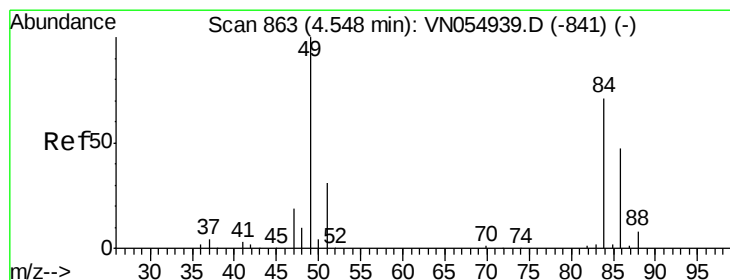
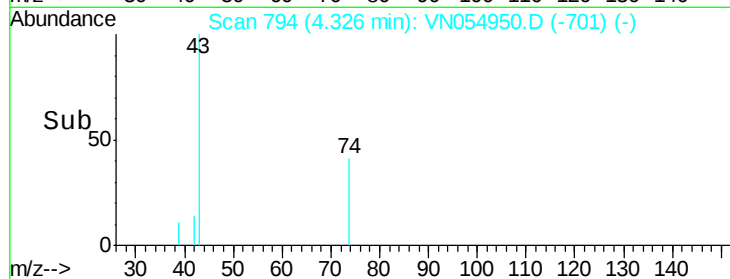
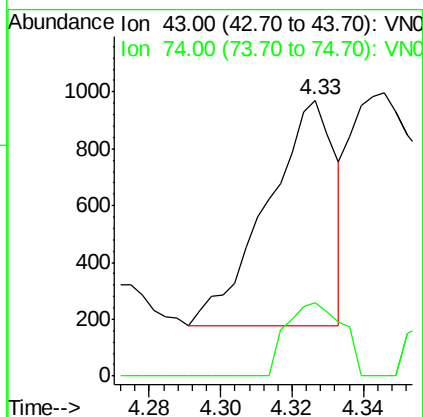
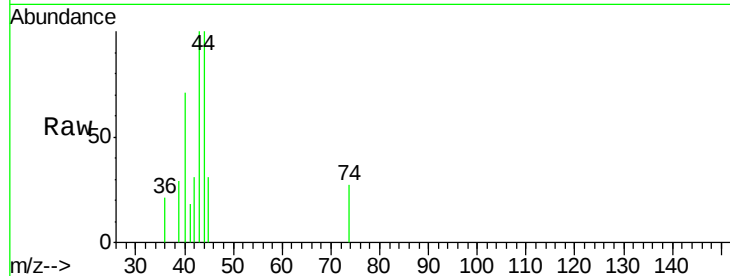




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

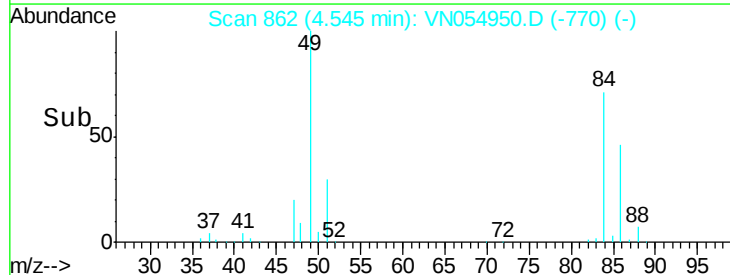
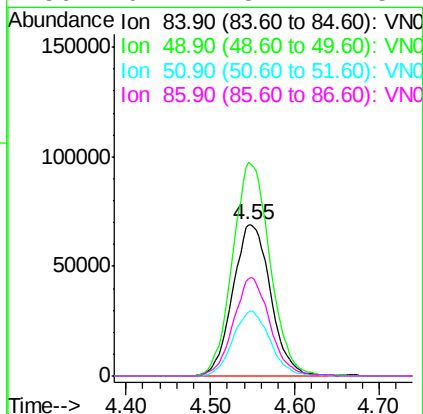
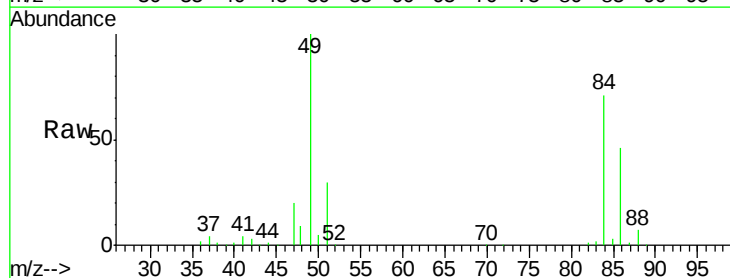
Instrument :
MSVOA_N
ClientSampled :
STONE

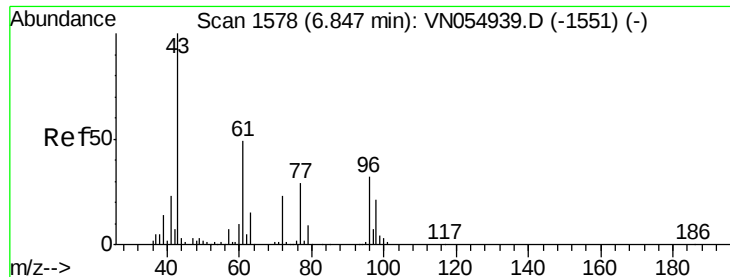
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
74 27.0 16.4 24.6#



#20
Methylene Chloride
Concen: 32.512 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

Tgt Ion: 84 Resp: 215704
Ion Ratio Lower Upper
84 100
49 141.0 112.1 168.1
51 42.3 34.5 51.7
86 64.4 52.2 78.4

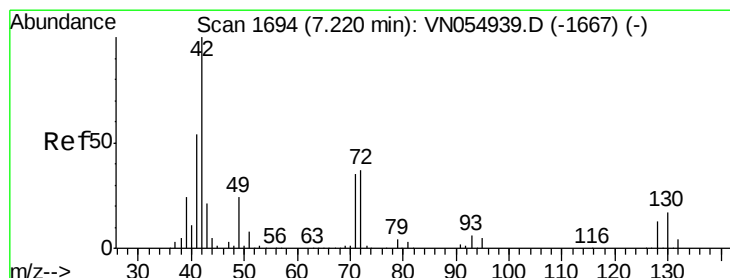
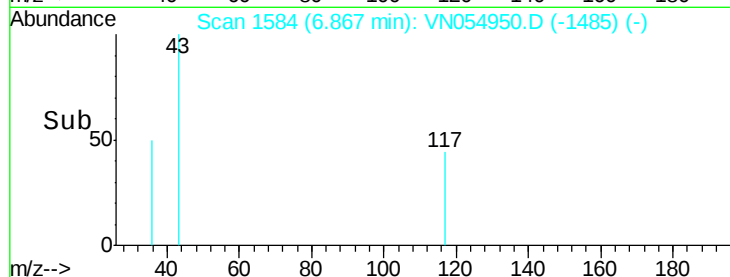
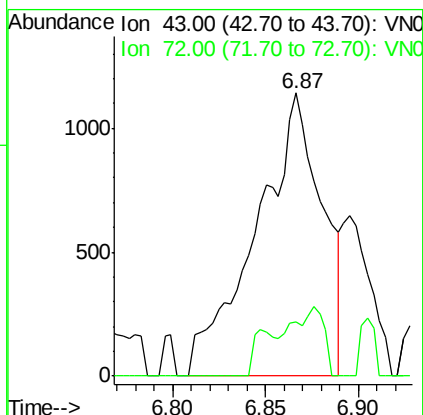
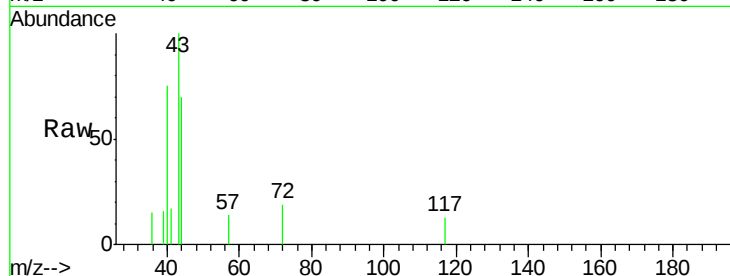




#25
 2-Butanone
 Concen: 1.051 ug/l
 RT: 6.87 min Scan# 1584
 Delta R.T. 0.02 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

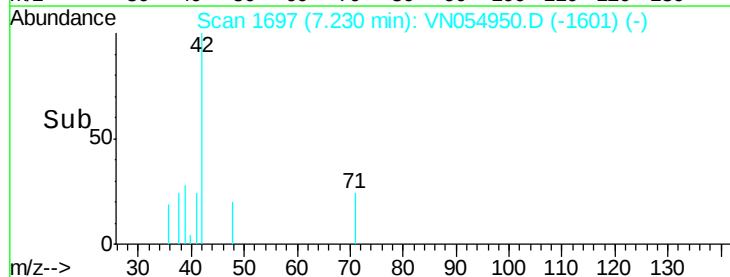
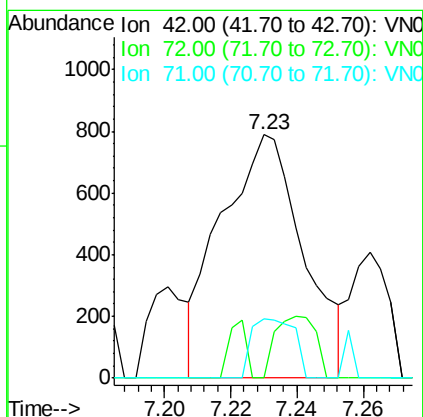
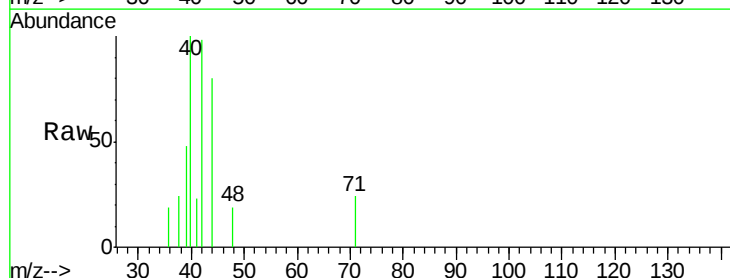
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 ClientSampled :
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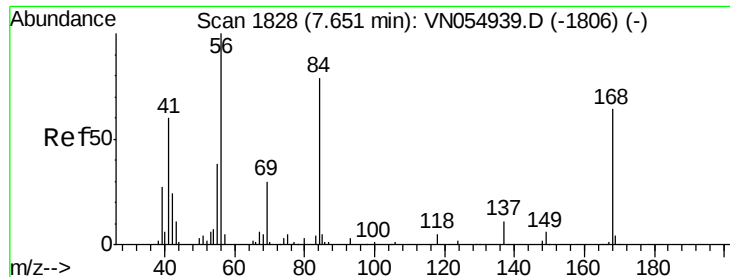
Tgt Ion: 43 Resp: 2820
 Ion Ratio Lower Upper
 43 100
 72 19.3 18.3 27.5



#29
 Tetrahydrofuran
 Concen: 0.773 ug/l
 RT: 7.23 min Scan# 1697
 Delta R.T. 0.01 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

Tgt Ion: 42 Resp: 1360
 Ion Ratio Lower Upper
 42 100
 72 5.0 29.3 43.9#
 71 12.6 27.8 41.6#

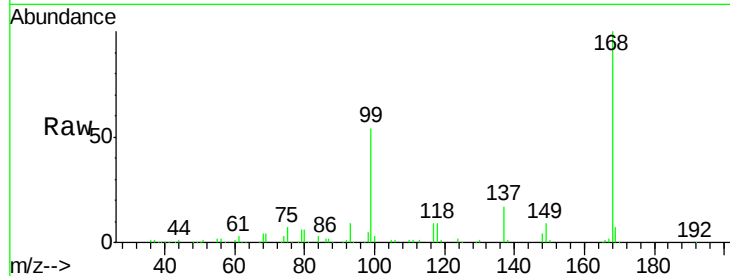




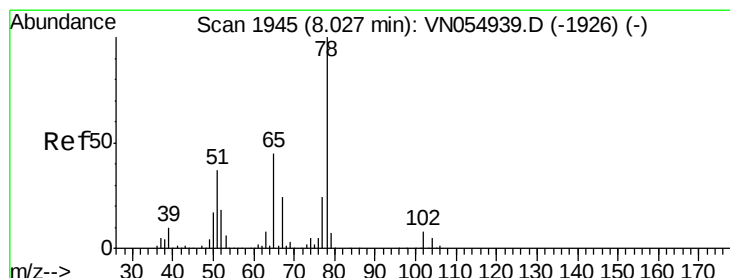
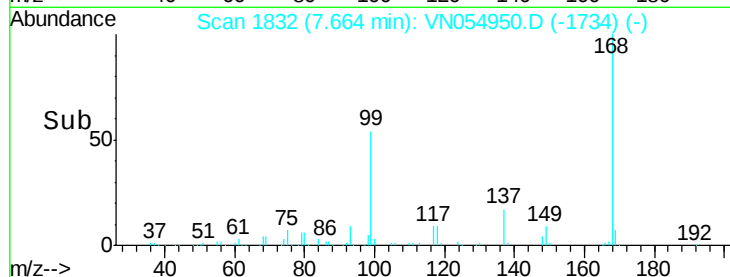
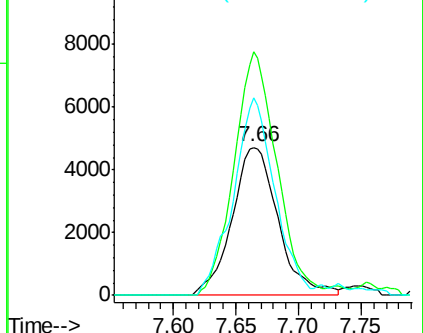
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

Instrument :
MSVOA_N
ClientSampled :
STONE

Tgt Ion: 56 Resp: 12040
Ion Ratio Lower Upper
56 100
69 164.9 23.8 35.6#
84 134.0 61.8 92.8#

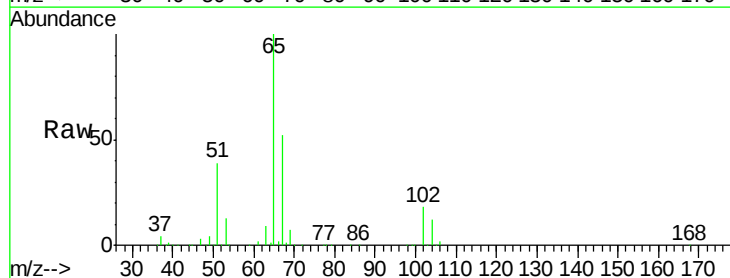


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

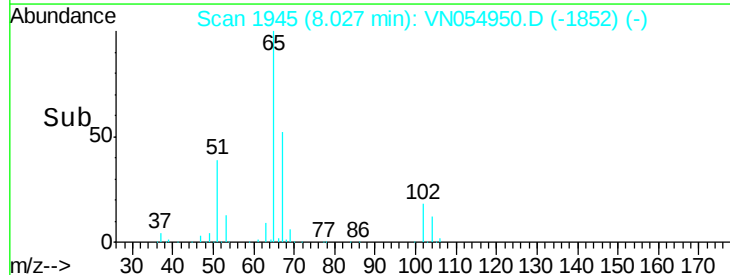
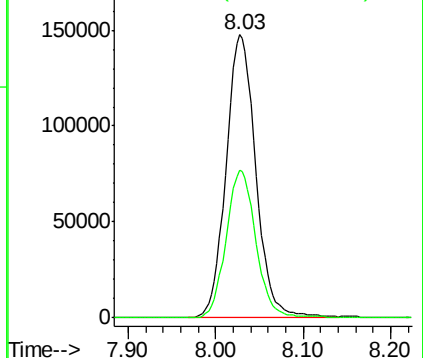


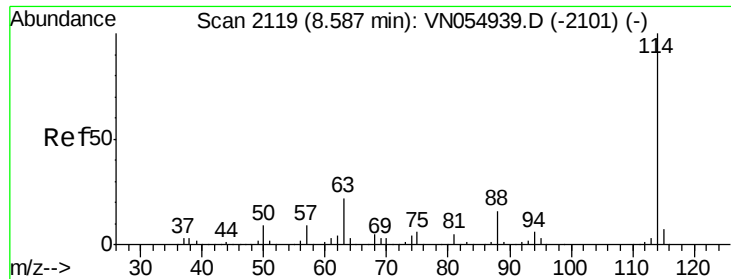
#33
1,2-Dichloroethane-d4
Concen: 48.703 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

Tgt Ion: 65 Resp: 348152
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

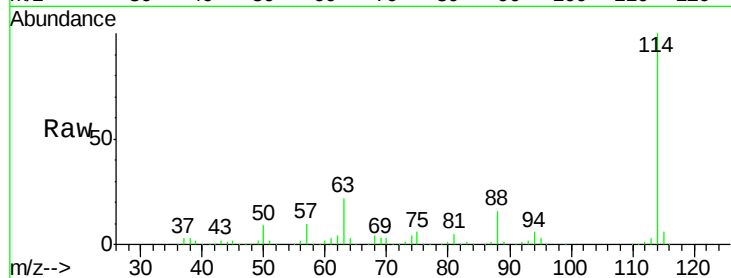




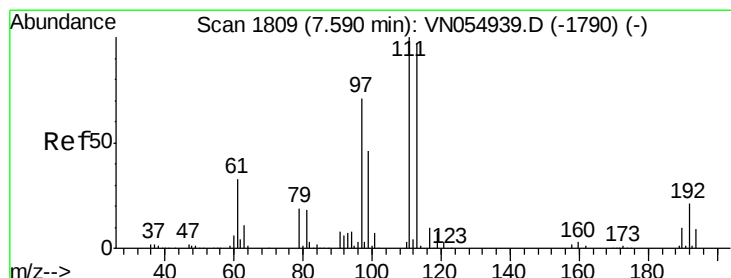
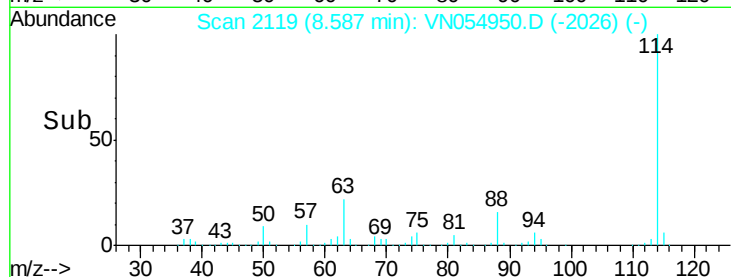
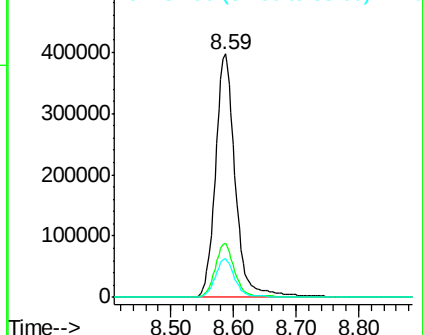
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

Instrument :
 MSVOA_N
 ClientSampled :
 STONE

Tgt Ion:114 Resp: 872028
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.6
 88 15.7 0.0 32.0

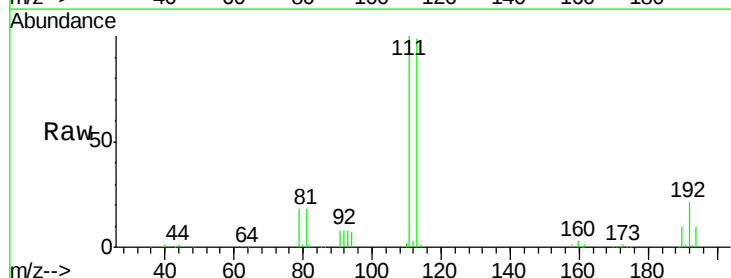


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

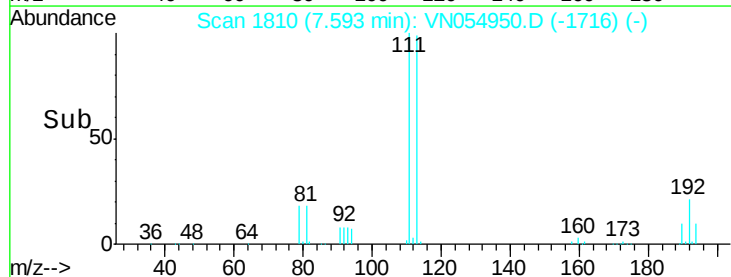
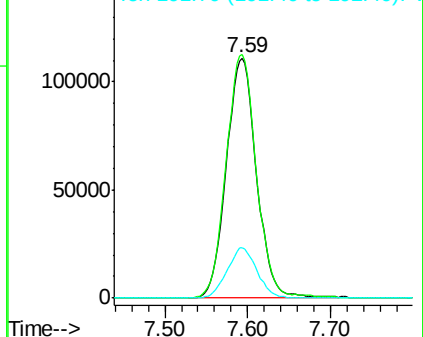


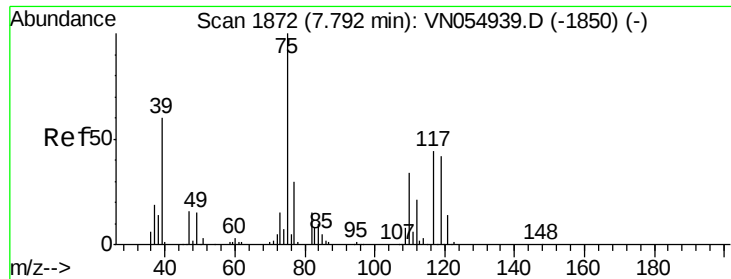
#35
 Dibromofluoromethane
 Concen: 49.328 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

Tgt Ion:113 Resp: 280014
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.0 121.4
 192 20.7 16.5 24.7



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

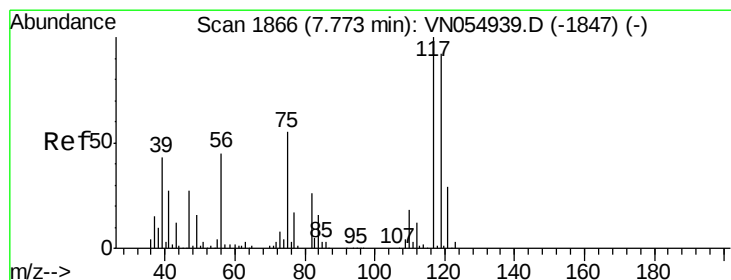
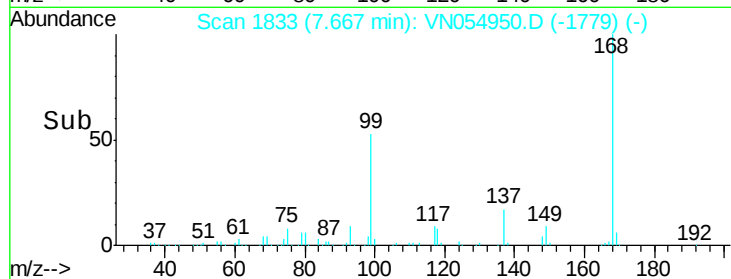
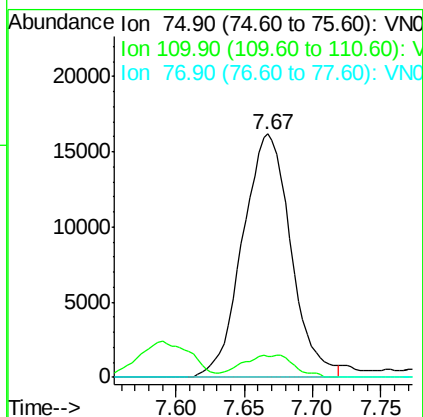
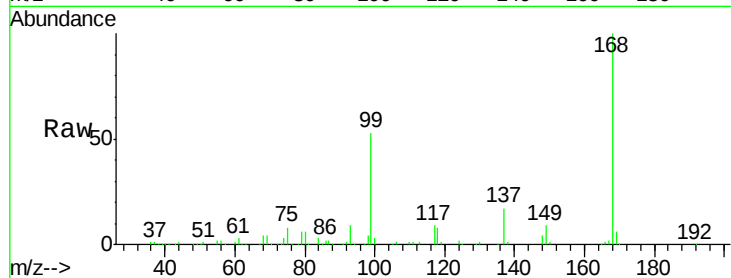




#36
 1,1-Dichloropropene
 Concen: 4.607 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

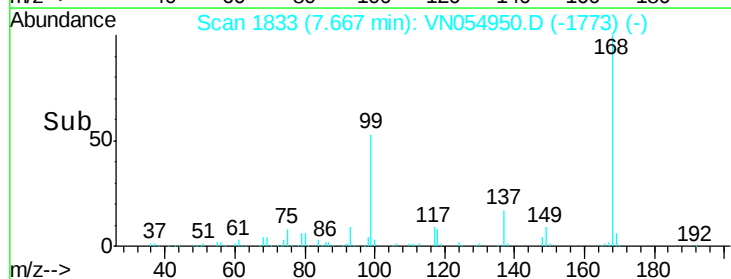
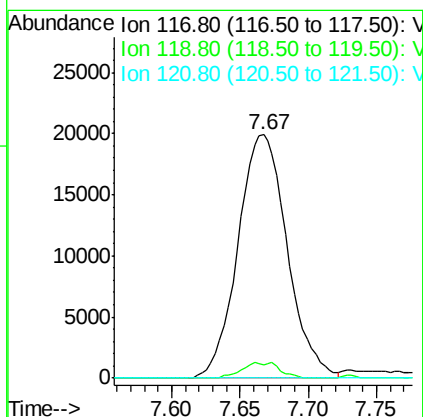
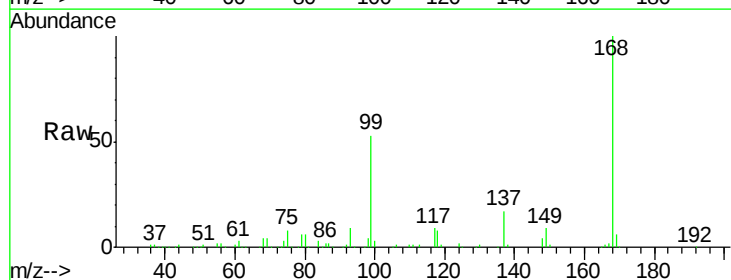
Instrument :
 MSVOA_N
 ClientSampleId :
 STONE

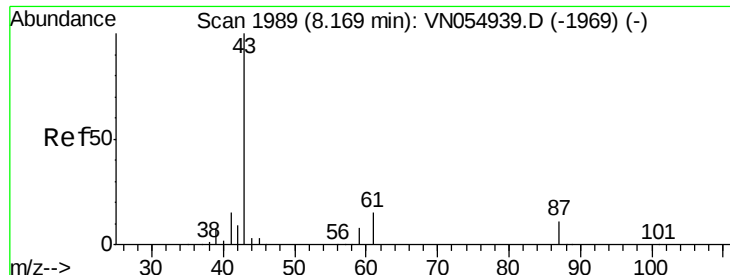
Tgt Ion: 75 Resp: 39810
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.0 50.9#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.968 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

Tgt Ion: 117 Resp: 49795
 Ion Ratio Lower Upper
 117 100
 119 5.6 73.6 110.4#
 121 0.0 23.4 35.0#





#43

Isopropyl Acetate

Concen: 1.652 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

STONE

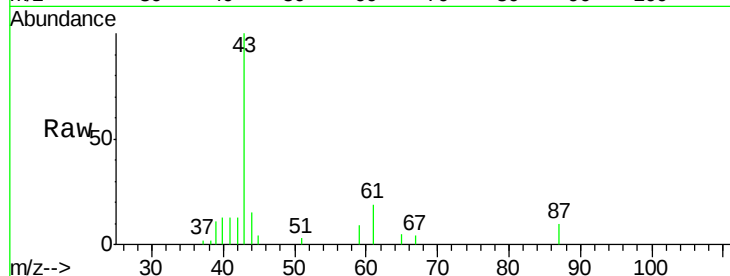
Tgt Ion: 43 Resp: 16508

Ion Ratio Lower Upper

43 100

61 19.6 14.4 21.6

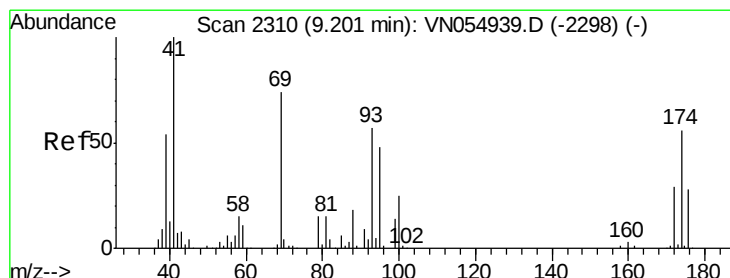
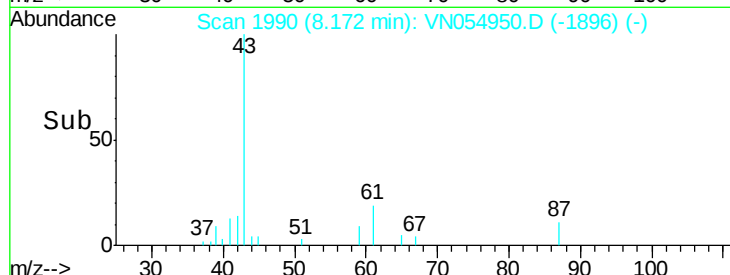
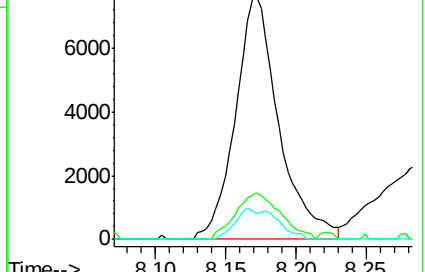
87 6.4 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.912 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

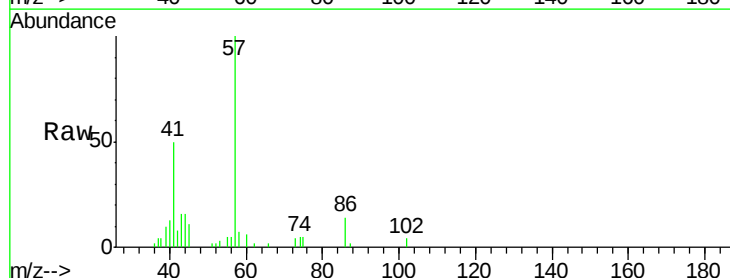
Tgt Ion: 41 Resp: 9672

Ion Ratio Lower Upper

41 100

69 0.0 58.9 88.3#

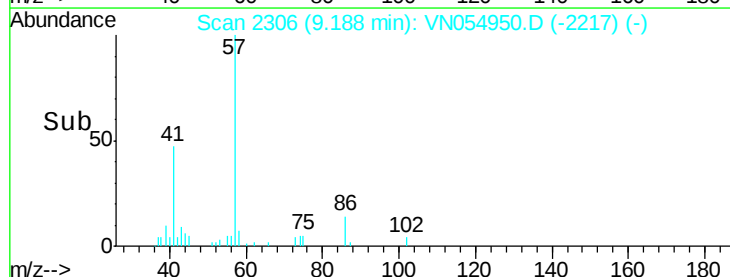
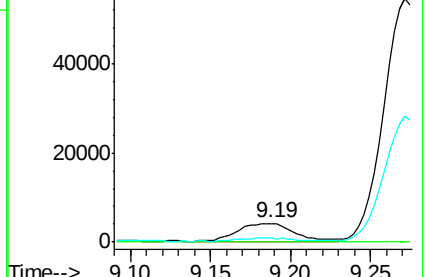
39 17.1 44.2 66.4#

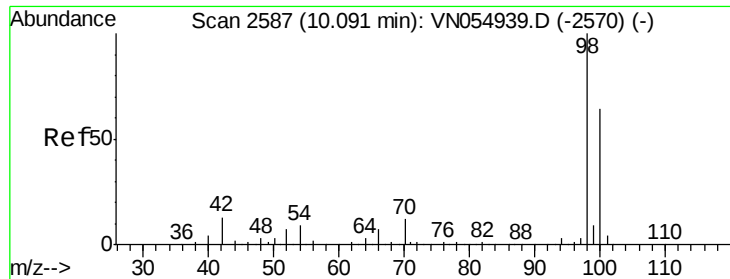


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 48.916 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

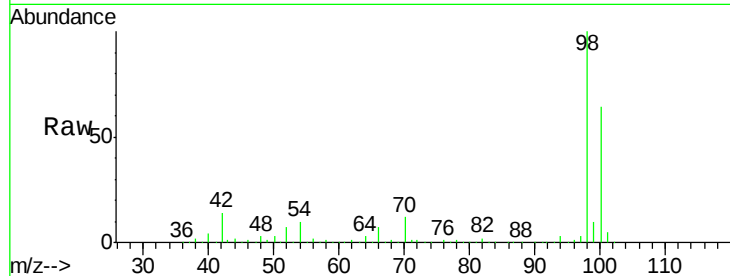
STONE

Tgt Ion: 98 Resp: 1053609

Ion Ratio Lower Upper

98 100

100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN054939.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054939.D (-2570) (-)

10.09

500000

400000

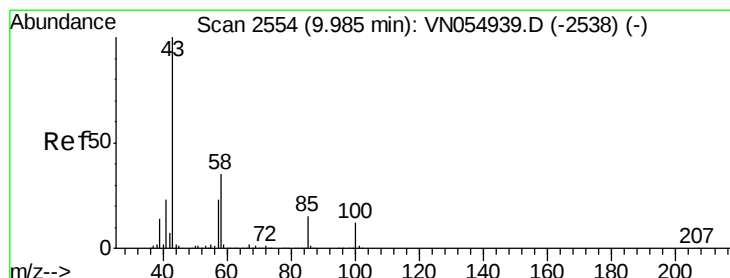
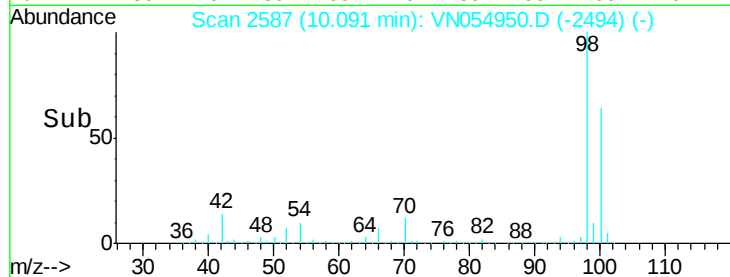
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.346 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054950.D

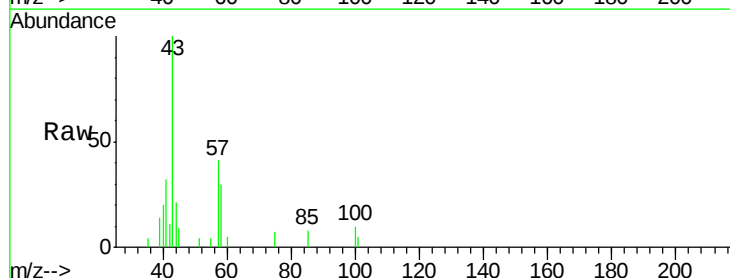
Acq: 4 Apr 2019 16:26

Tgt Ion: 43 Resp: 7502

Ion Ratio Lower Upper

43 100

58 35.0 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054939.D (-2538) (-)

9.99

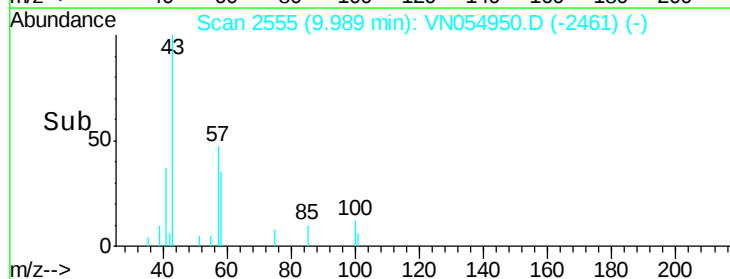
6000

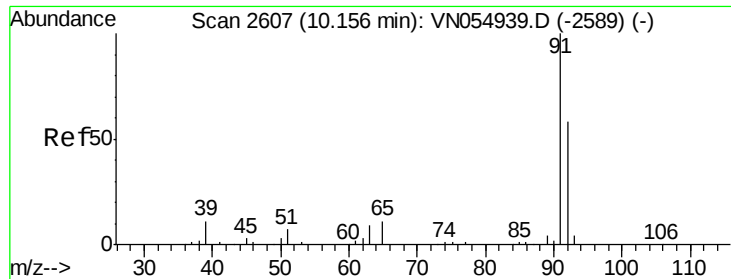
4000

2000

0

Time-->





#52

Toluene

Concen: 0.215 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

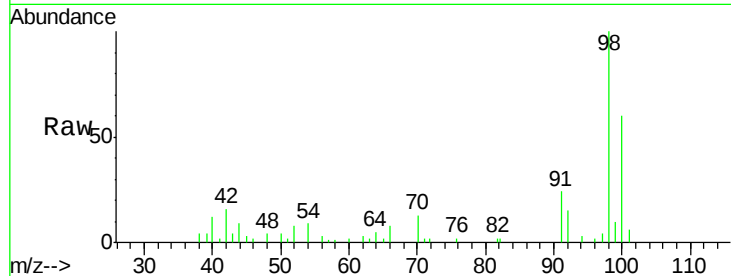
STONE

Tgt Ion: 92 Resp: 3151

Ion Ratio Lower Upper

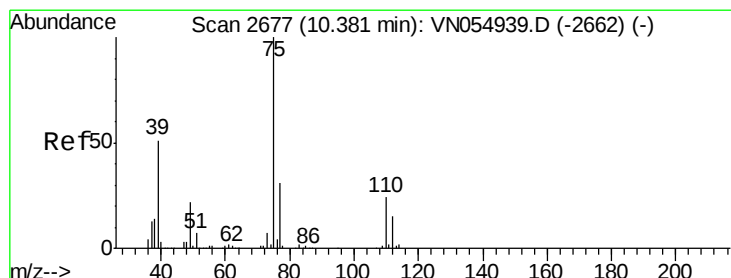
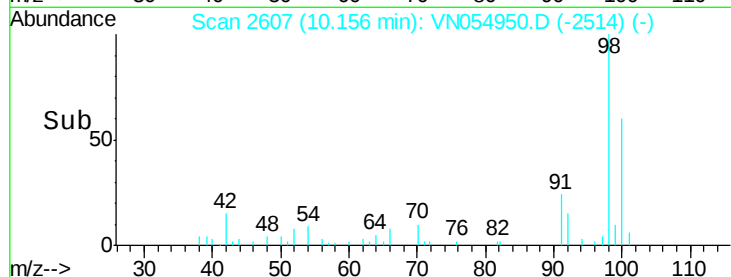
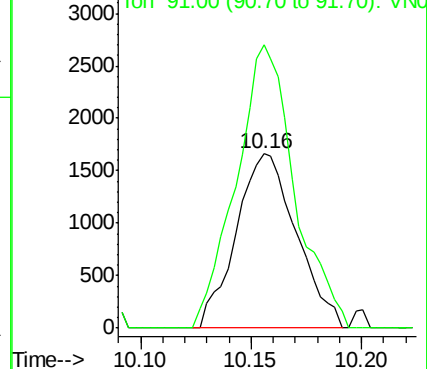
92 100

91 158.0 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.051 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054950.D

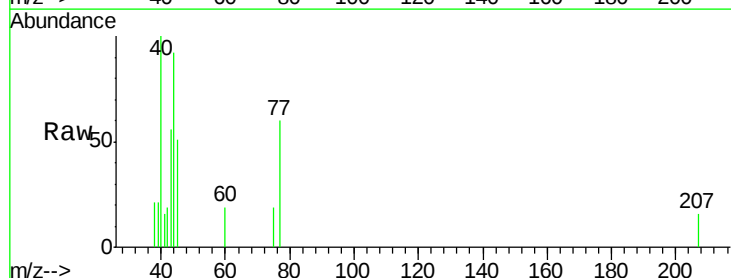
Acq: 4 Apr 2019 16:26

Tgt Ion: 75 Resp: 207

Ion Ratio Lower Upper

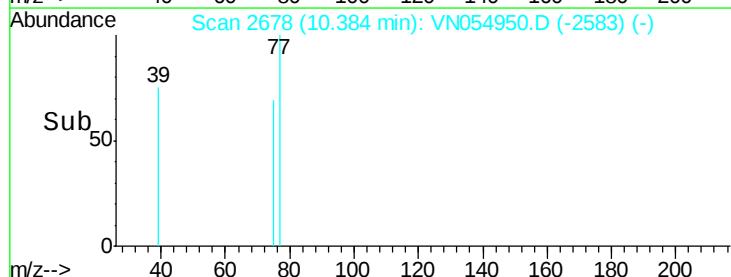
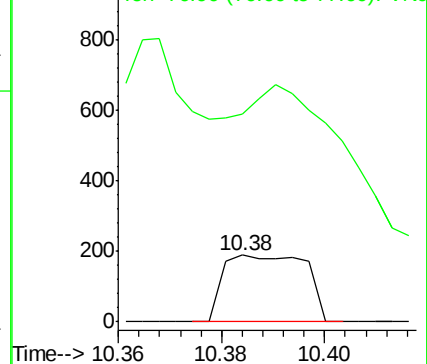
75 100

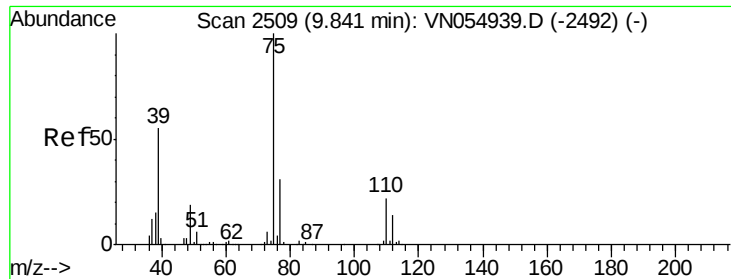
77 39.2 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 6.501 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

STONE

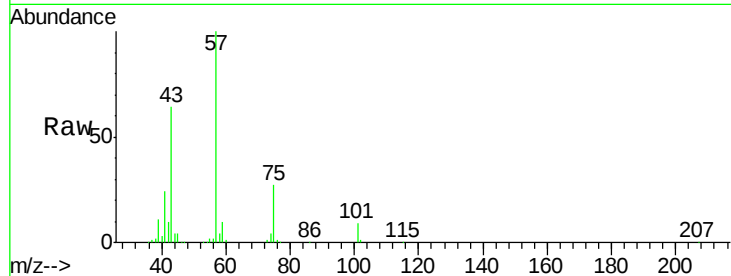
Tgt Ion: 75 Resp: 60369

Ion Ratio Lower Upper

75 100

77 0.8 25.0 37.4#

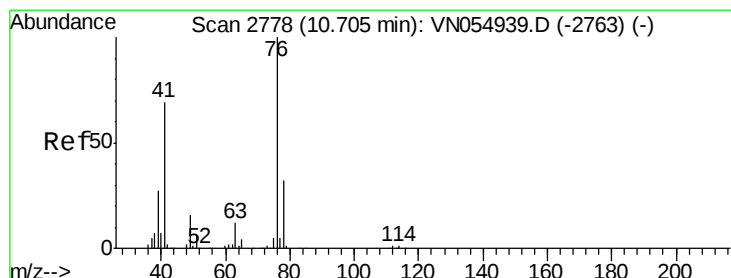
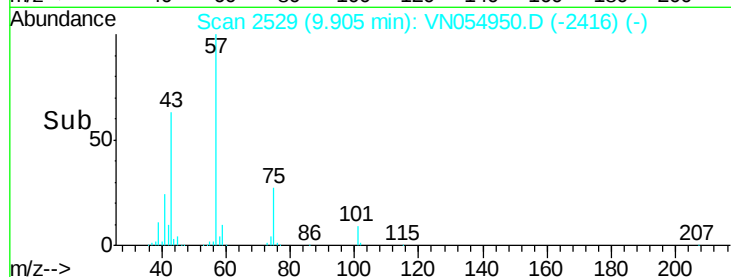
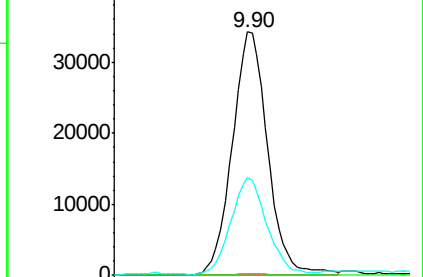
39 40.1 43.9 65.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.933 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN054950.D

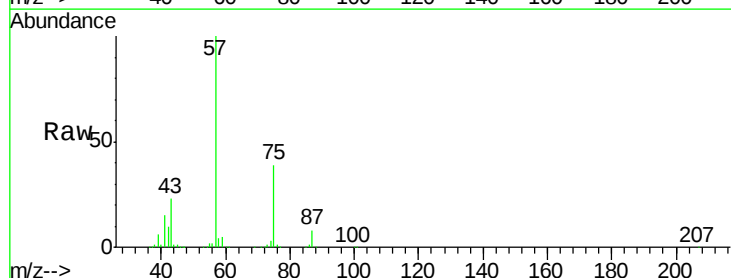
Acq: 4 Apr 2019 16:26

Tgt Ion: 76 Resp: 8658

Ion Ratio Lower Upper

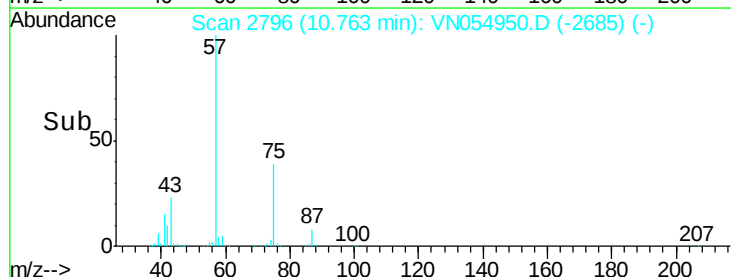
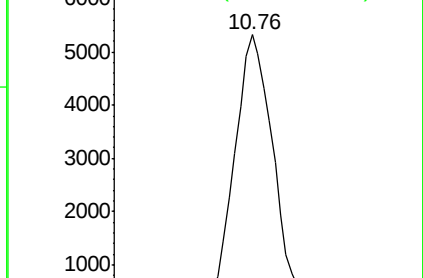
76 100

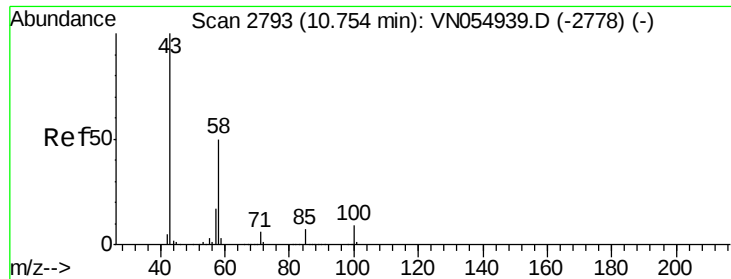
78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 43.918 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

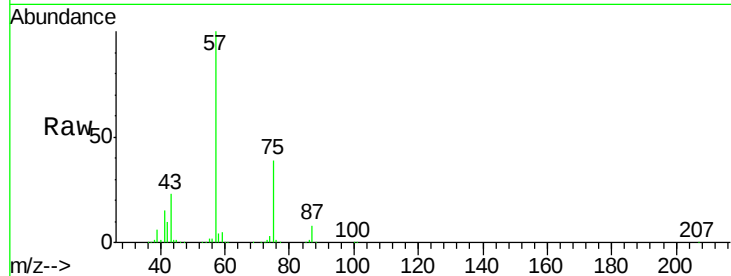
STONE

Tgt Ion: 43 Resp: 152931

Ion Ratio Lower Upper

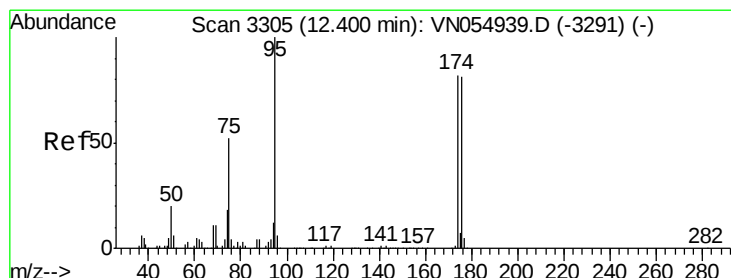
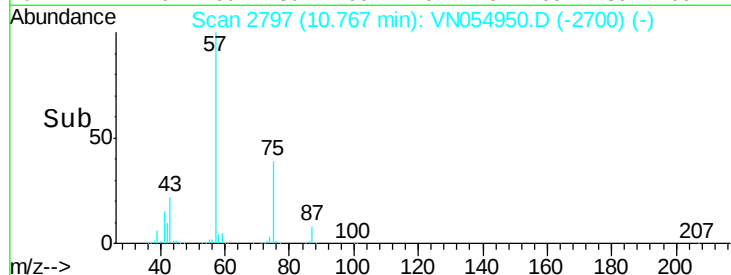
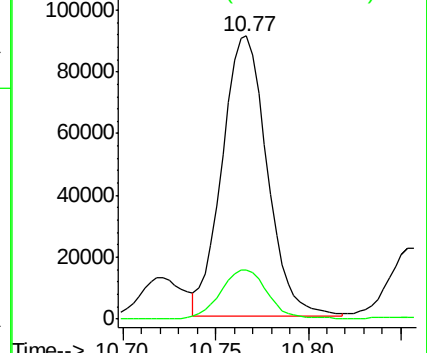
43 100

58 18.6 24.6 73.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 45.896 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

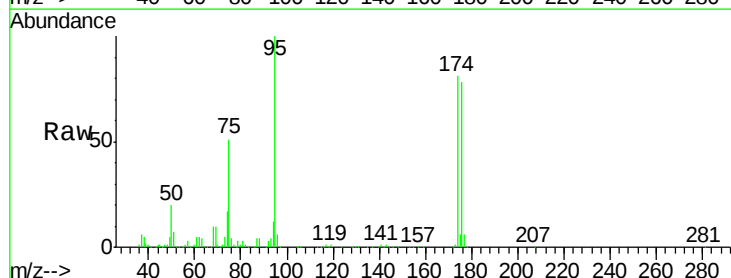
Tgt Ion: 95 Resp: 329904

Ion Ratio Lower Upper

95 100

174 84.1 0.0 166.2

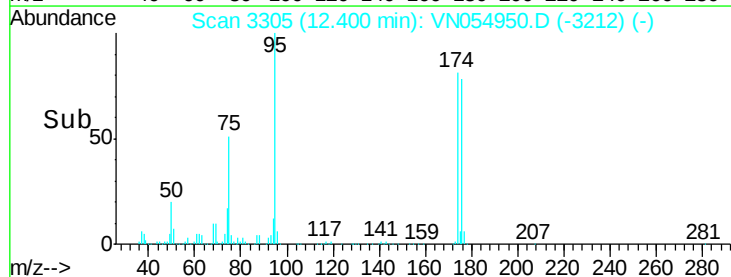
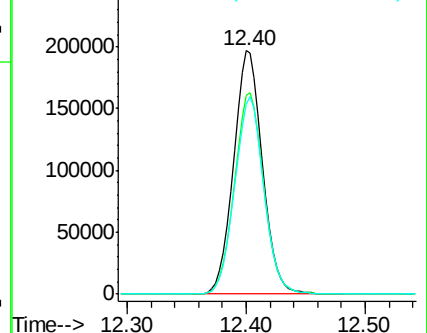
176 82.0 0.0 163.2

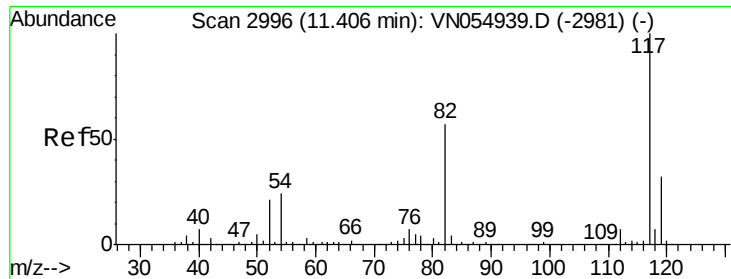


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

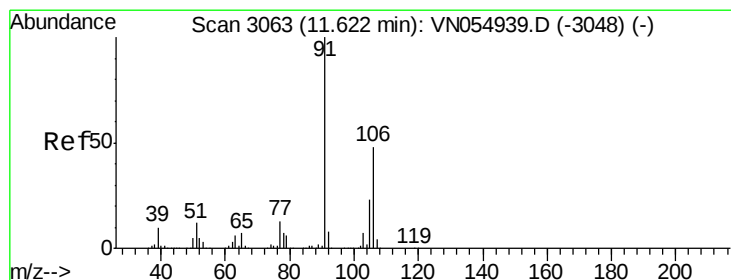
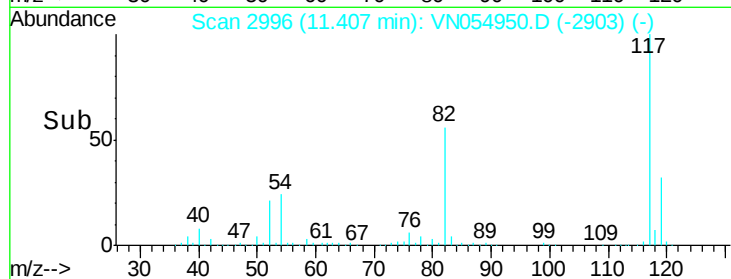
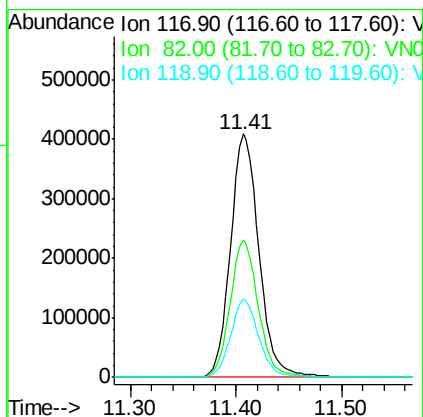
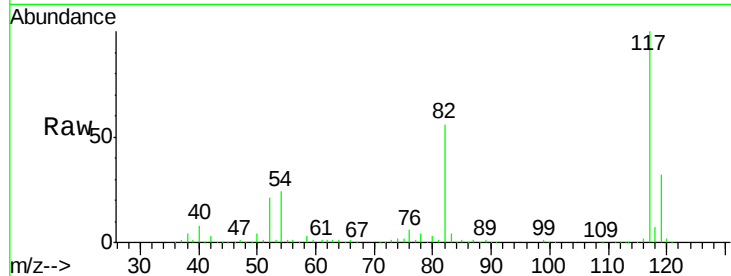




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

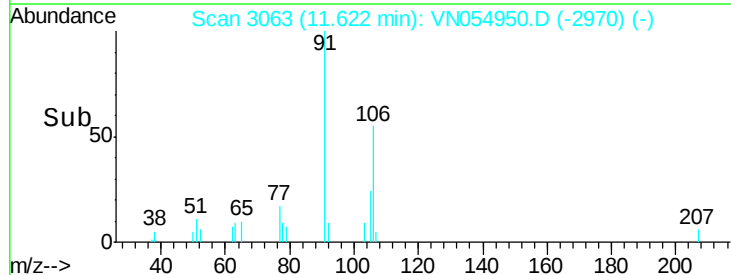
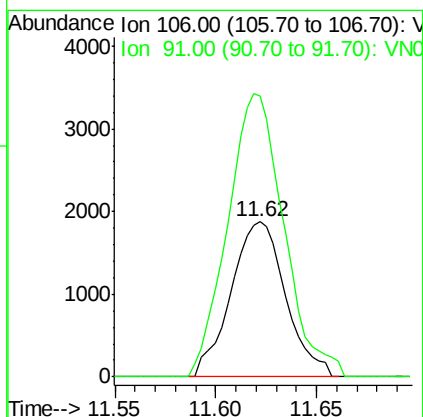
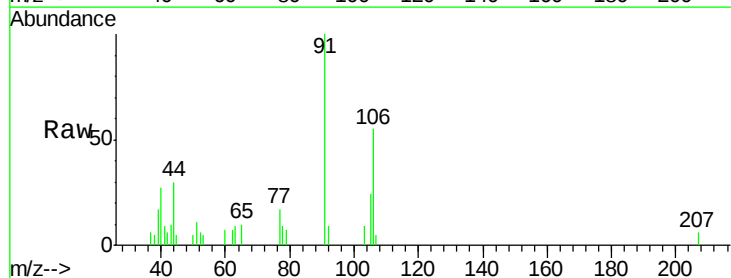
Instrument :
MSVOA_N
ClientSampled :
STONE

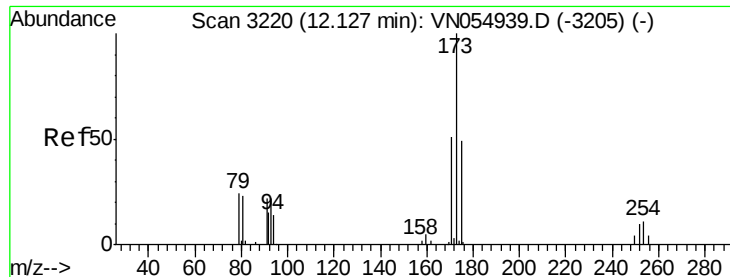
Tgt Ion:117 Resp: 762579
Ion Ratio Lower Upper
117 100
82 56.4 45.3 67.9
119 32.0 25.8 38.6



#68
m/p-Xylenes
Concen: 0.346 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

Tgt Ion:106 Resp: 3549
Ion Ratio Lower Upper
106 100
91 187.4 167.4 251.2

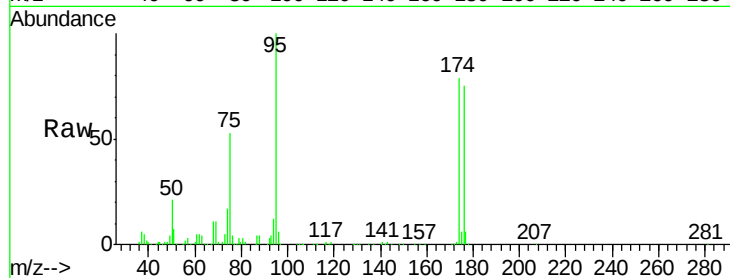




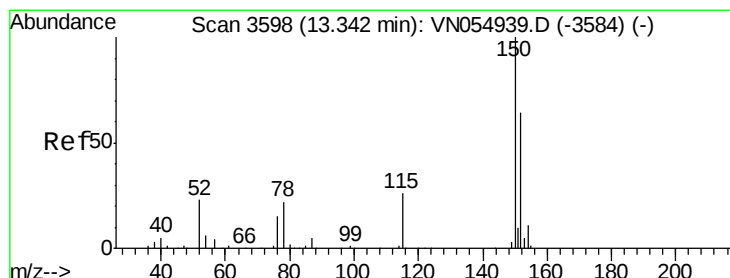
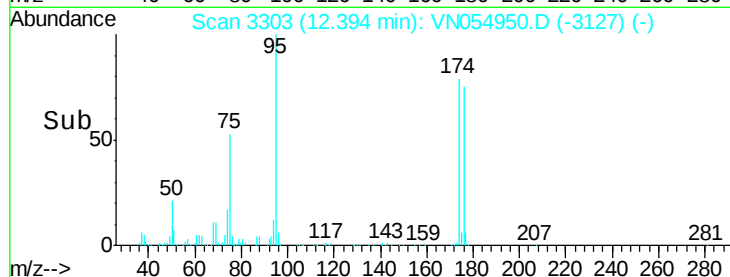
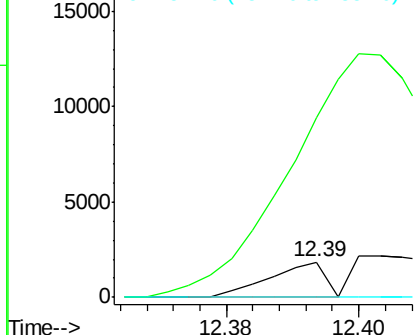
#71
Bromoform
Concen: 0.313 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
STONE

Tgt Ion:173 Resp: 1072
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0

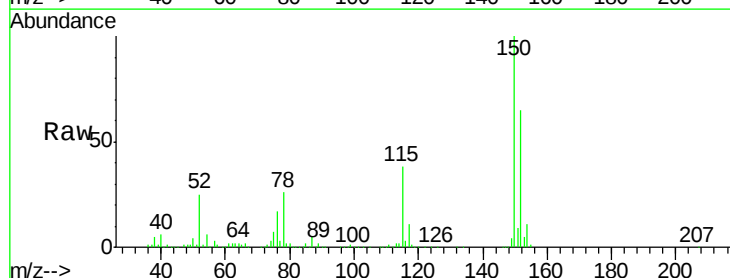


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

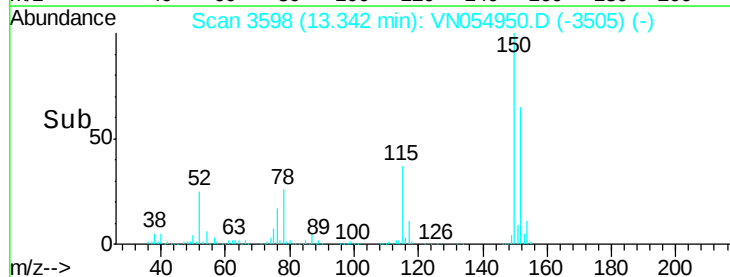
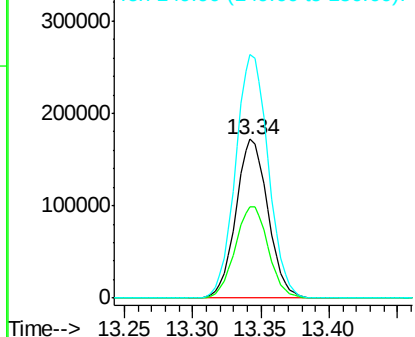


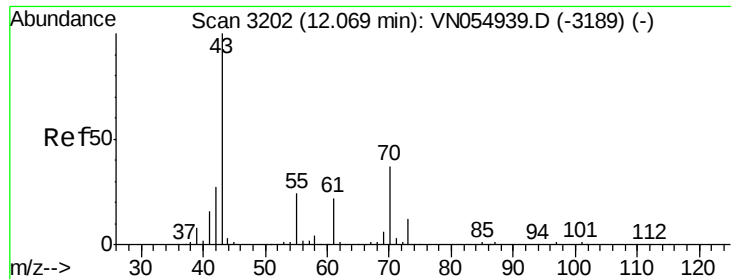
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

Tgt Ion:152 Resp: 280936
Ion Ratio Lower Upper
152 100
115 59.1 28.9 86.8
150 156.7 0.0 345.4



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

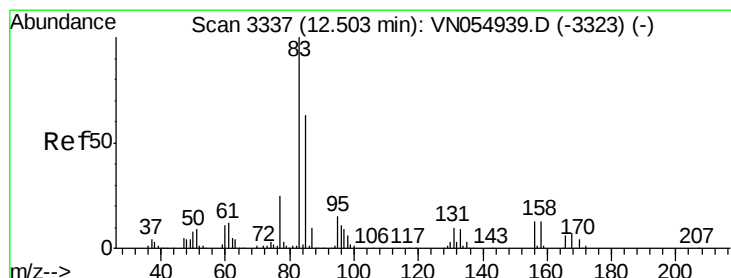
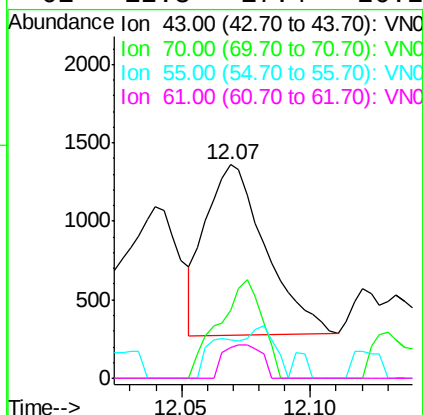
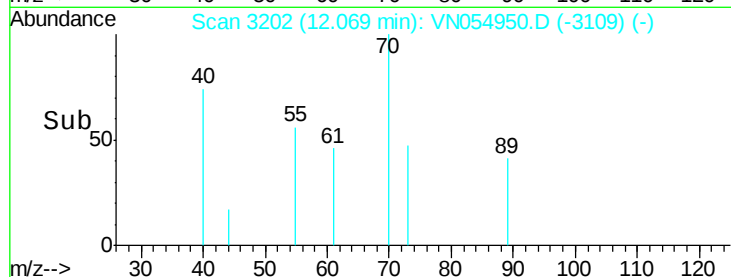
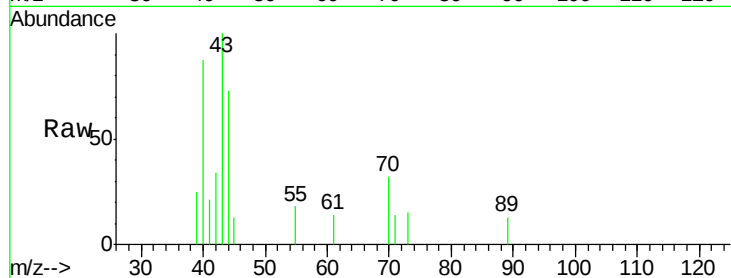




#74
N-amyI acetate
Concen: 0.268 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

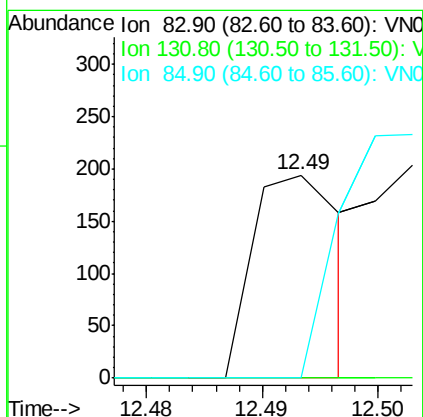
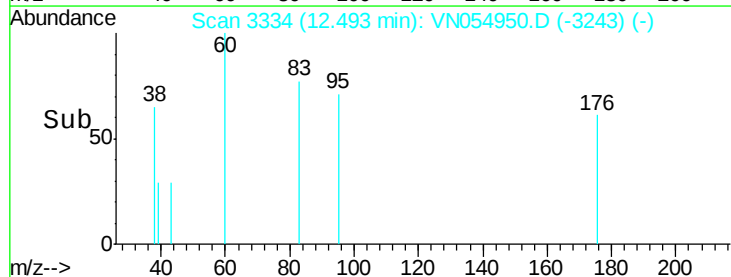
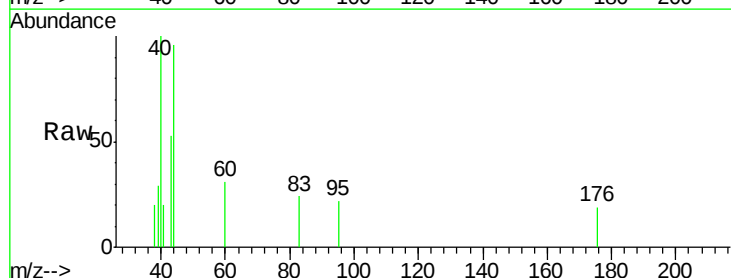
Instrument :
MSVOA_N
ClientSampleId :
STONE

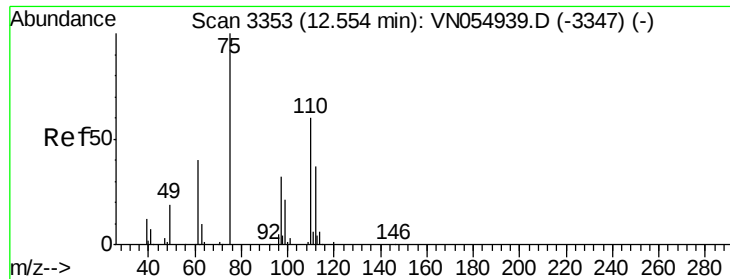
Tgt Ion: 43 Resp: 1767
Ion Ratio Lower Upper
43 100
70 41.8 29.3 43.9
55 12.8 19.2 28.8#
61 12.3 17.4 26.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.49 min Scan# 3334
Delta R.T. -0.01 min
Lab File: VN054950.D
Acq: 4 Apr 2019 16:26

Tgt Ion: 83 Resp: 103
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 221.4 31.4 94.0#





#76

1,2,3-Trichloropropane

Concen: 38.596 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

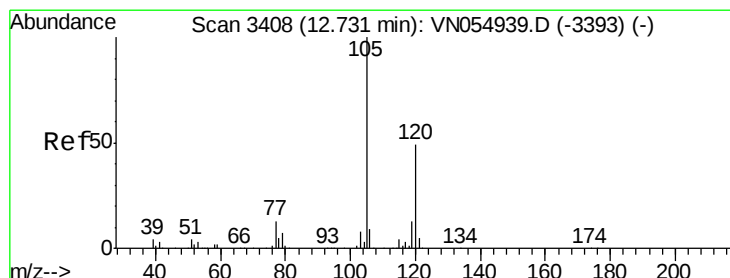
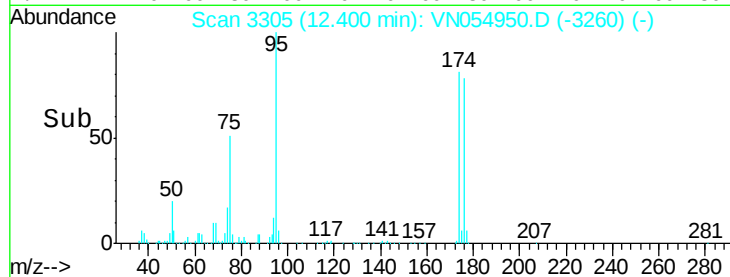
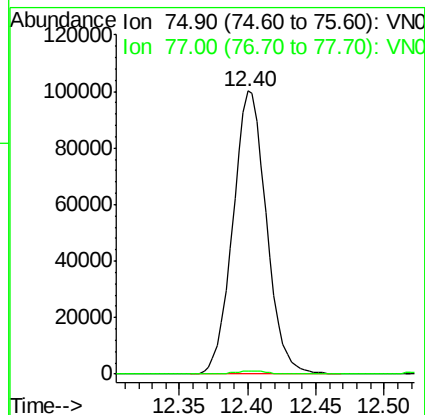
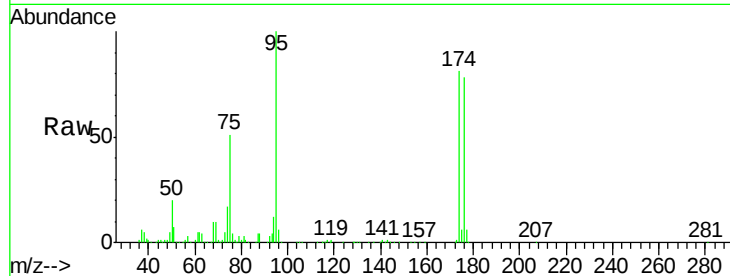
STONE

Tgt Ion: 75 Resp: 170535

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.322 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054950.D

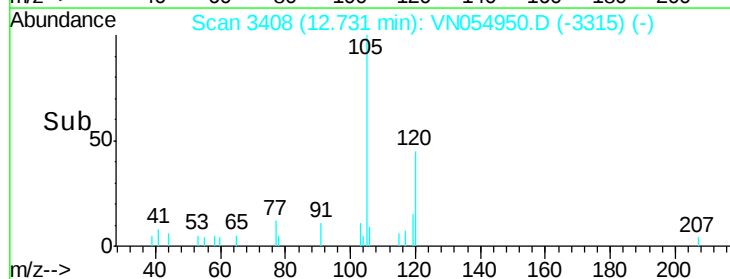
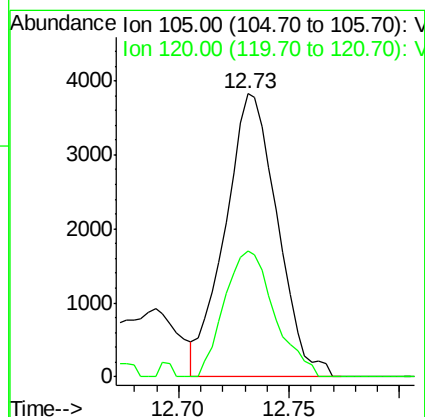
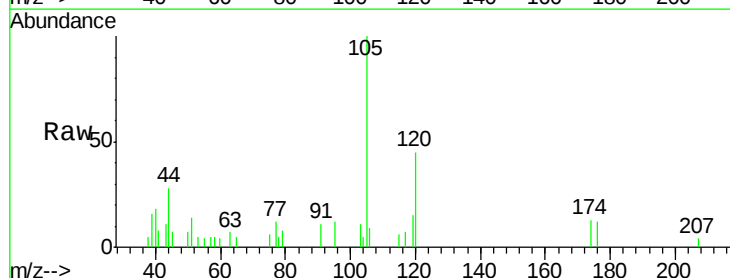
Acq: 4 Apr 2019 16:26

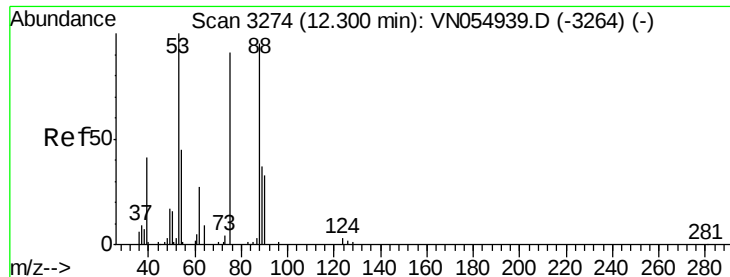
Tgt Ion: 105 Resp: 6285

Ion Ratio Lower Upper

105 100

120 42.6 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 140.217 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

STONE

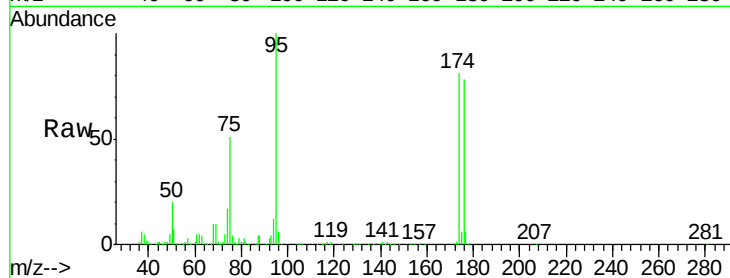
Tgt Ion: 75 Resp: 170535

Ion Ratio Lower Upper

75 100

53 0.0 92.8 139.2#

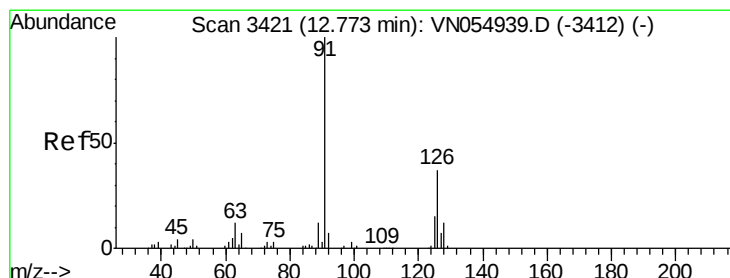
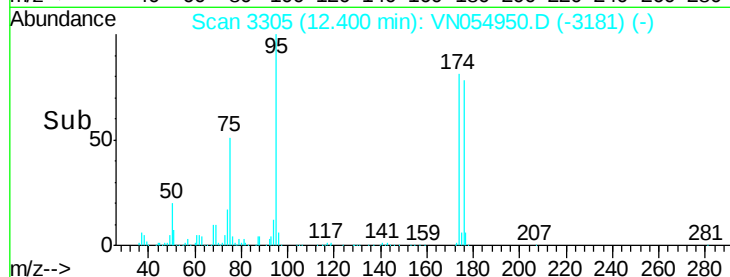
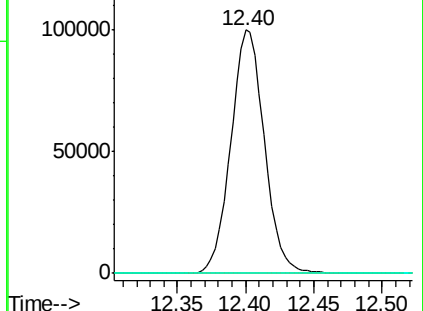
89 0.0 36.7 55.1#



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



#82

4-Chlorotoluene

Concen: 0.203 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.10 min

Lab File: VN054950.D

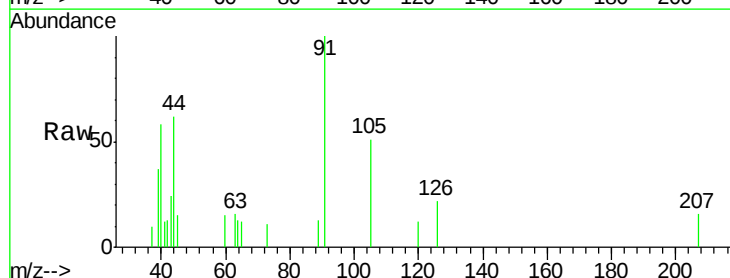
Acq: 4 Apr 2019 16:26

Tgt Ion: 91 Resp: 3116

Ion Ratio Lower Upper

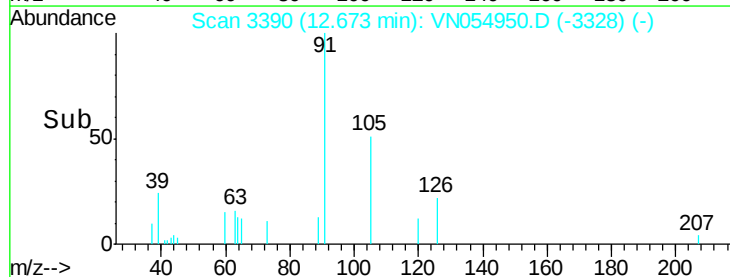
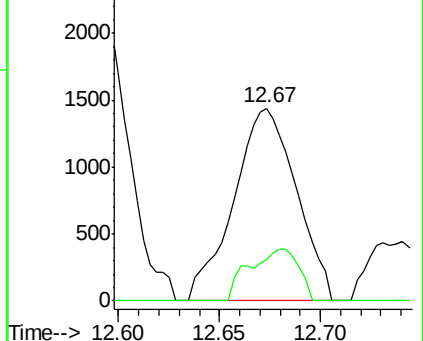
91 100

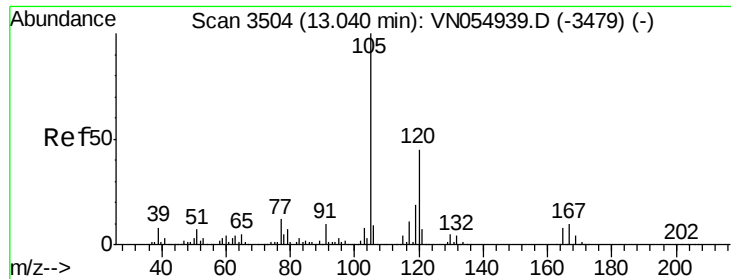
126 21.4 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

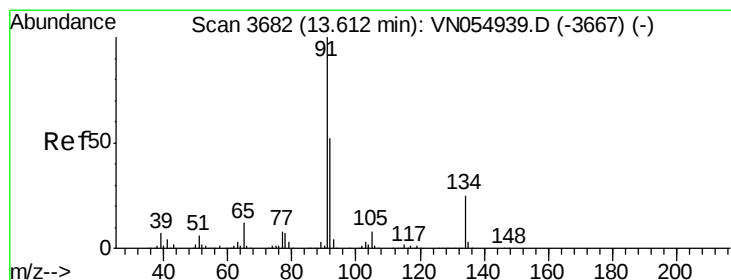
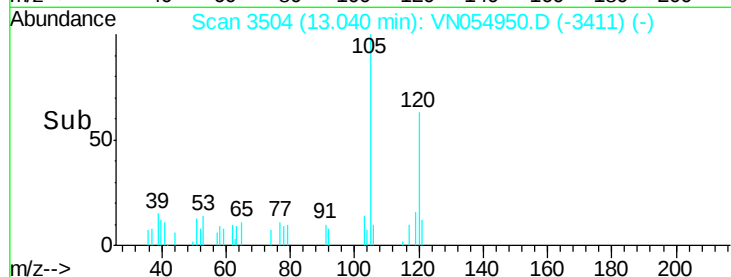
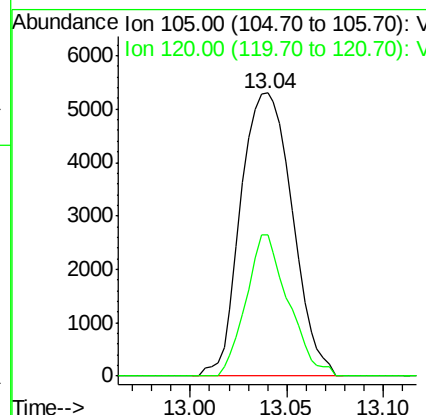
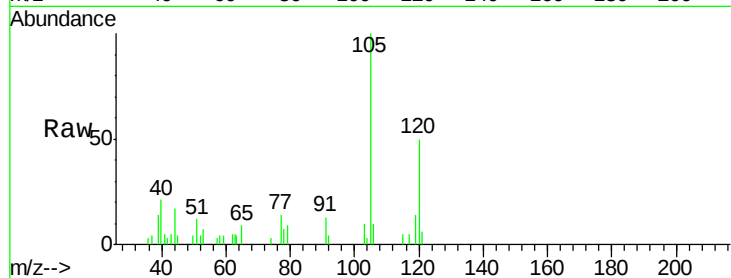




#84
 1,2,4-Trimethylbenzene
 Concen: 0.520 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

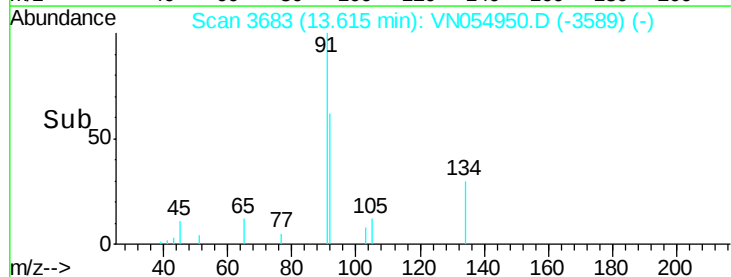
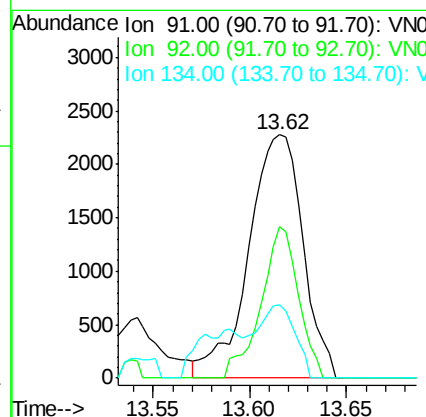
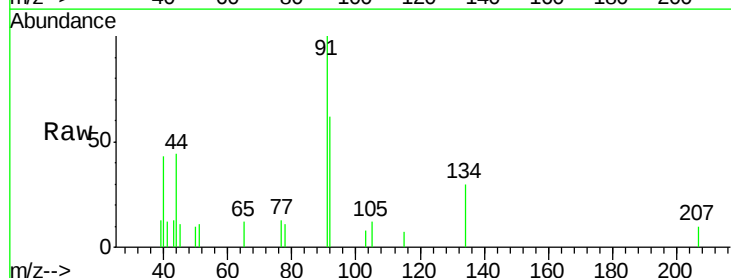
Instrument :
 MSVOA_N
 ClientSampled :
 STONE

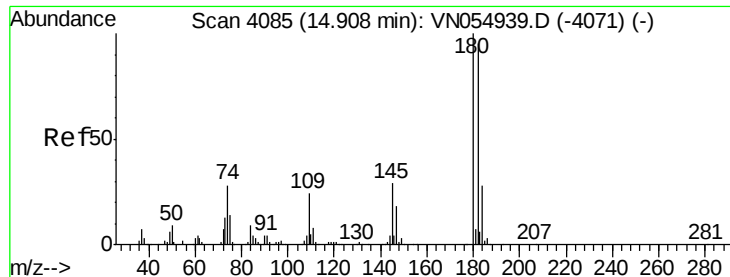
Tgt Ion: 105 Resp: 9813
 Ion Ratio Lower Upper
 105 100
 120 41.0 22.4 67.3



#89
 n-Butylbenzene
 Concen: 0.301 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

Tgt Ion: 91 Resp: 4447
 Ion Ratio Lower Upper
 91 100
 92 42.8 26.1 78.2
 134 19.8 12.6 37.8

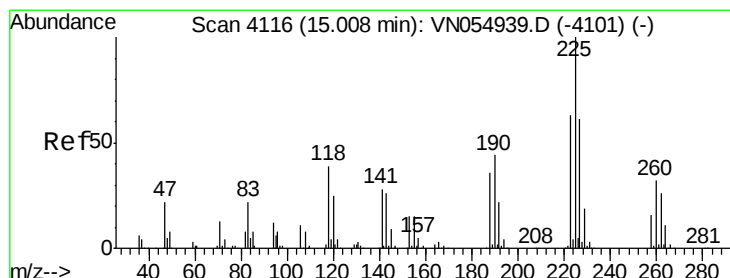
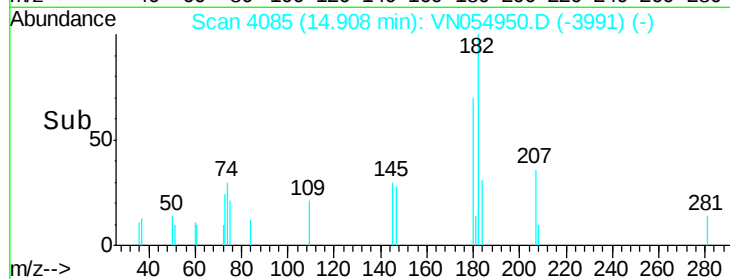
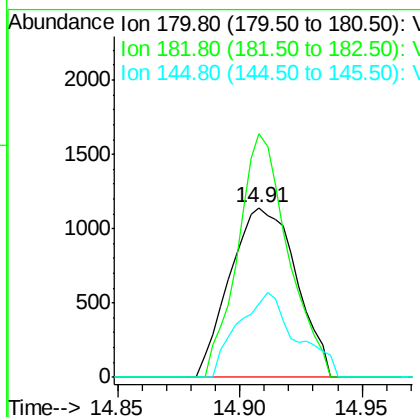
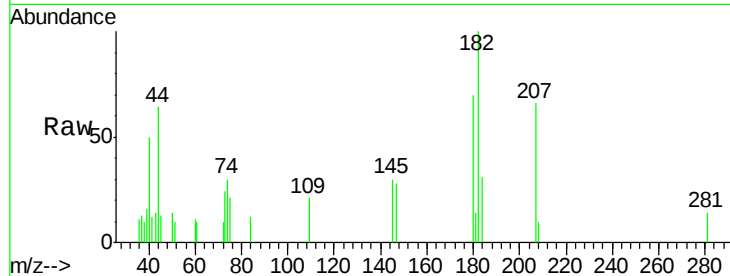




#93
 1,2,4-Trichlorobenzene
 Concen: 2.872 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

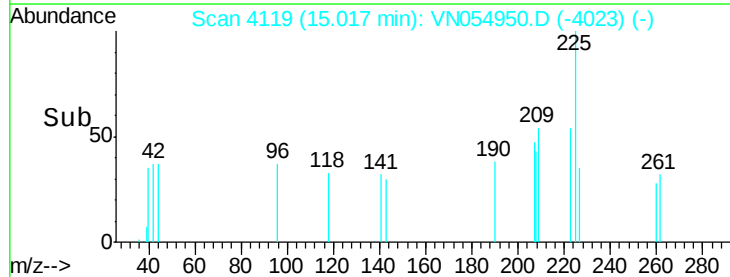
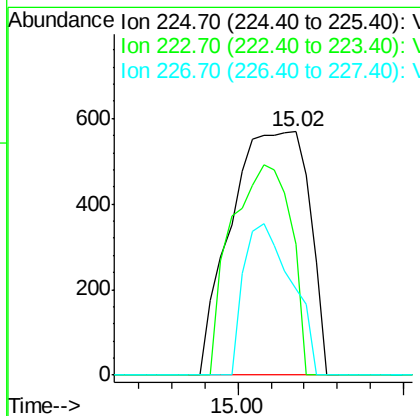
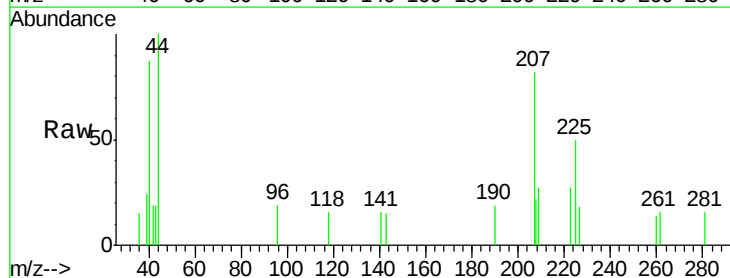
Instrument :
 MSVOA_N
 ClientSampled :
 STONE

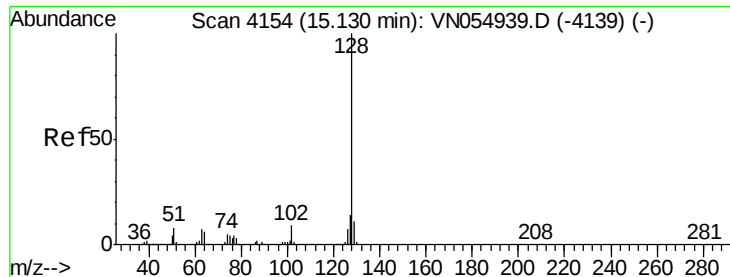
Tgt Ion:180 Resp: 2158
 Ion Ratio Lower Upper
 180 100
 182 107.9 47.5 142.6
 145 43.7 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 0.296 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN054950.D
 Acq: 4 Apr 2019 16:26

Tgt Ion:225 Resp: 930
 Ion Ratio Lower Upper
 225 100
 223 65.8 31.1 93.5
 227 38.2 30.9 92.5





#95

Naphthalene

Concen: 5.298 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

STONE

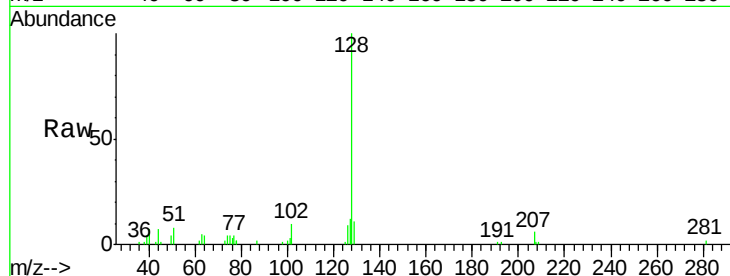
Tgt Ion:128 Resp: 27411

Ion Ratio Lower Upper

128 100

127 12.4 10.6 16.0

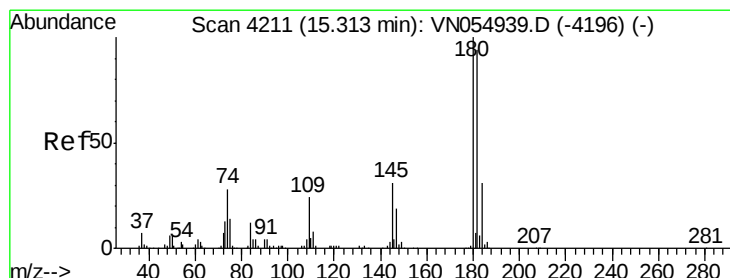
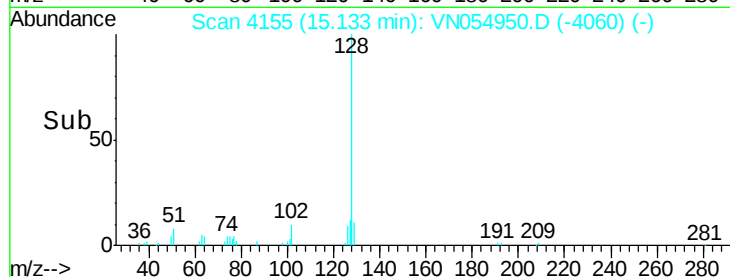
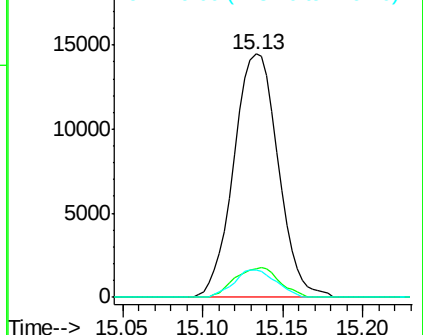
129 10.7 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.646 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054950.D

Acq: 4 Apr 2019 16:26

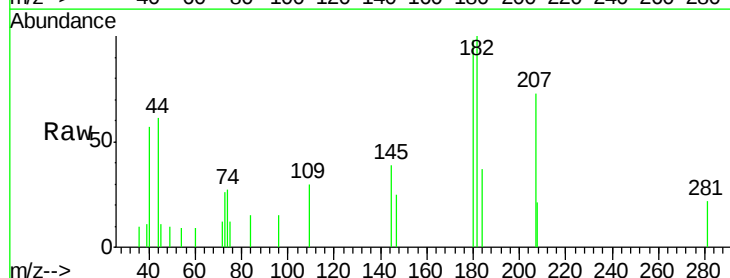
Tgt Ion:180 Resp: 2783

Ion Ratio Lower Upper

180 100

182 107.8 47.5 142.5

145 43.9 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

