

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054314.D
 Acq On : 15 Mar 2019 17:20
 Operator : JC/SP
 Sample : K1899-02 DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2ADL

Quant Time: Mar 16 03:21:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1325795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2226069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2404288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1178785	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	700452	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
35) Dibromofluoromethane	7.59	113	676990	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	10.09	98	2790509	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.40	95	1135516	61.20	ug/l	0.00
Spiked Amount			Recovery	=	122.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	863	1.539	ug/l	94
11) Tert butyl alcohol	4.83	59	311	0.322	ug/l	96
13) Acrolein	3.59	56	433	0.473	ug/l #	42
16) Acetone	3.83	43	4141	1.027	ug/l #	68
18) Methyl Acetate	4.33	43	2441	0.299	ug/l	95
20) Methylene Chloride	4.55	84	4035	0.305	ug/l	95
29) Tetrahydrofuran	7.23	42	3379	1.111	ug/l #	59
31) Cyclohexane	7.66	56	19962	Below Cal	#	12
36) 1,1-Dichloropropene	7.66	75	77701	3.790	ug/l #	47
38) Carbon Tetrachloride	7.66	117	106165	4.938	ug/l #	15
40) Benzene	8.04	78	47130	0.803	ug/l	98
49) 1,4-Dioxane	9.22	88	32	0.216	ug/l #	1
52) Toluene	10.16	92	29205	0.785	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	340	2.000	ug/l #	1
67) Ethyl Benzene	11.51	91	253406	2.896	ug/l	98
68) m/p-Xylenes	11.62	106	129691	3.792	ug/l	99
69) o-Xylene	11.95	106	99387	2.981	ug/l	98
71) Bromoform	12.41	173	7054	2.810	ug/l #	1
73) Isopropylbenzene	12.25	105	116152	1.232	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	535819	30.910	ug/l #	100
78) n-propylbenzene	12.59	91	59649	0.583	ug/l	98
79) 2-Chlorotoluene	12.65	91	41878	0.681	ug/l #	51
80) 1,3,5-Trimethylbenzene	12.73	105	356017	4.538	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	535819	105.666	ug/l #	11
82) 4-Chlorotoluene	12.73	91	36333	0.591	ug/l #	39
83) tert-Butylbenzene	13.04	119	122849	1.701	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.04	105	961712	12.496	ug/l	99
85) sec-Butylbenzene	13.04	105	961712	10.270	ug/l #	55
86) p-Isopropyltoluene	13.29	119	243493	2.964	ug/l	98
89) n-Butylbenzene	13.54	91	635315	10.178	ug/l #	42
90) Hexachloroethane	13.89	117	24928	1.833	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18435	5.929	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	2015	2.594	ug/l #	82
95) Naphthalene	15.13	128	15288556	278.656	ug/l	99

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QLast Update : Wed Mar 13 03:33:31 2019
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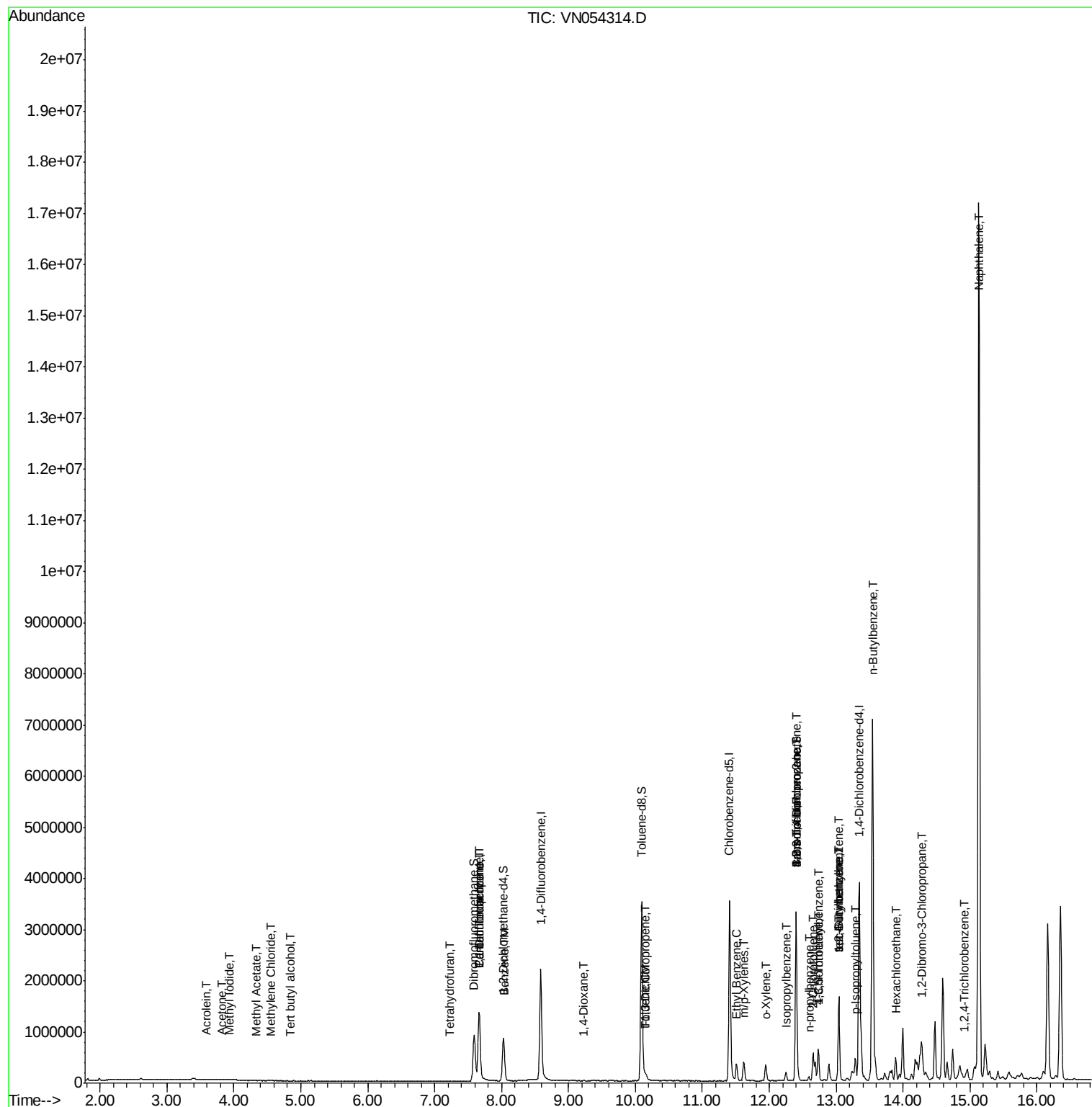
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

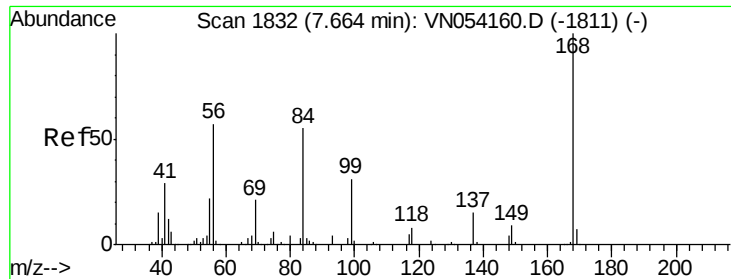
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

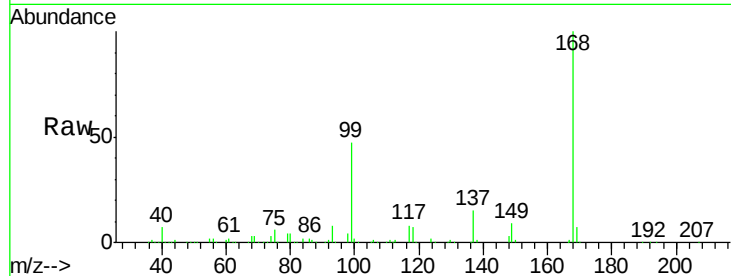
MW-2ADL

Tot Ion:168 Resp: 1325795

Ion Ratio Lower Upper

168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

600000

500000

400000

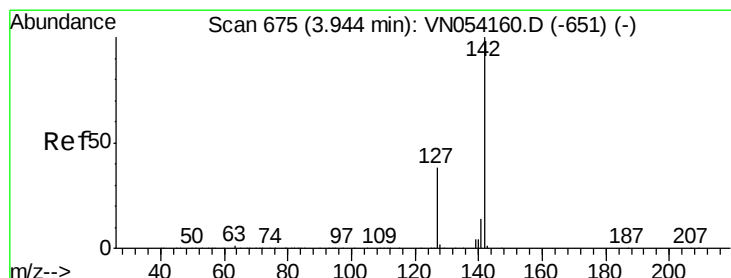
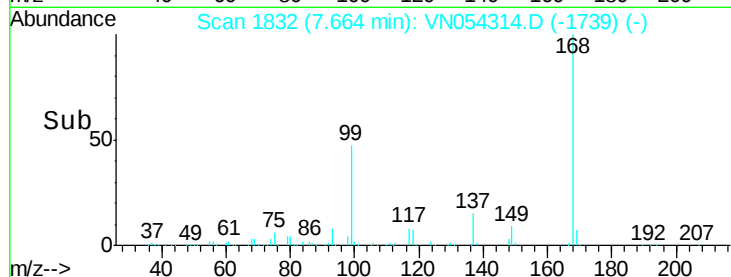
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.539 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

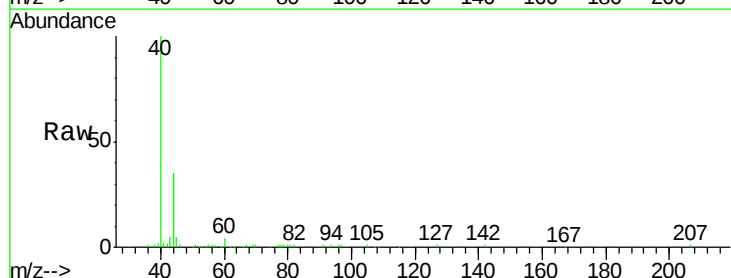
Tgt Ion:142 Resp: 863

Ion Ratio Lower Upper

142 100

127 33.0 30.3 45.5

141 14.7 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

600

500

400

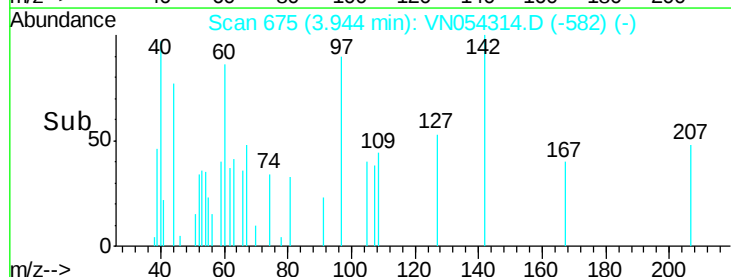
300

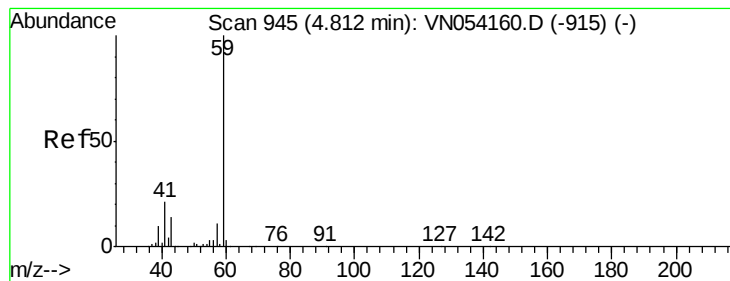
200

100

0

Time-->



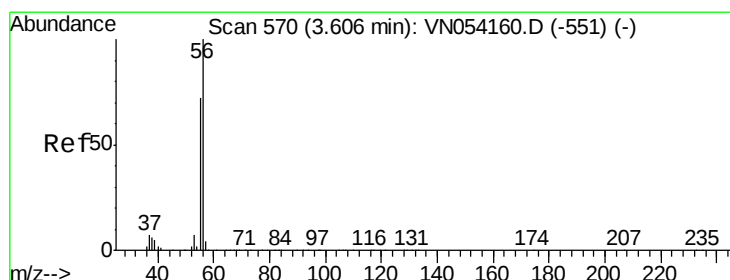
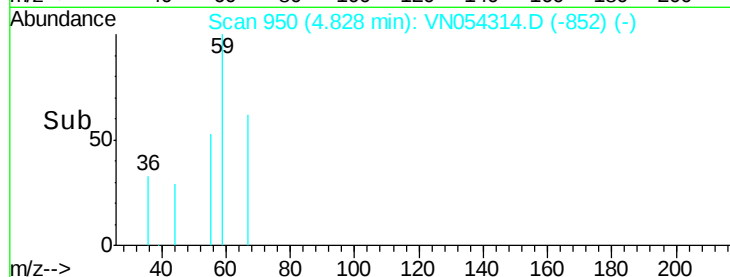
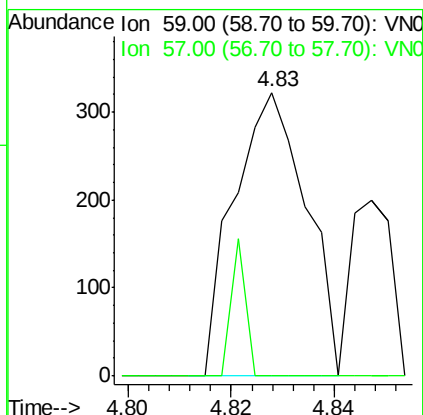
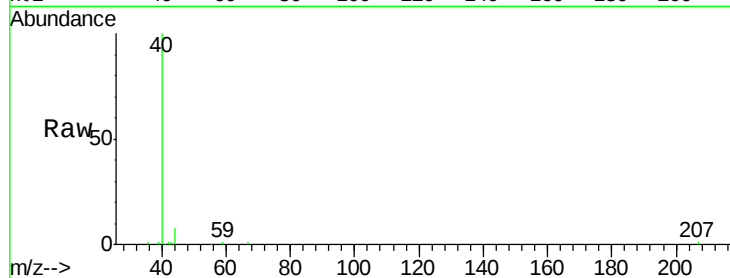


#11

Tert butyl alcohol
 Concen: 0.322 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.02 min
 Lab File: VN054314.D
 Acq: 15 Mar 2019 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2ADL

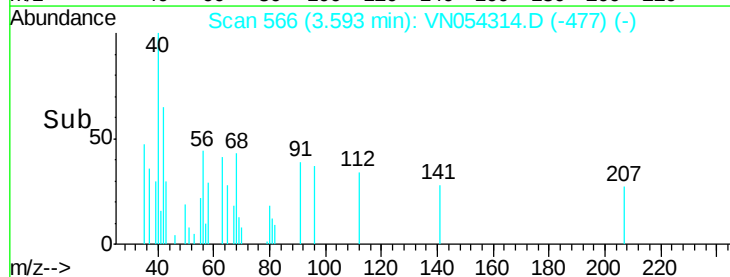
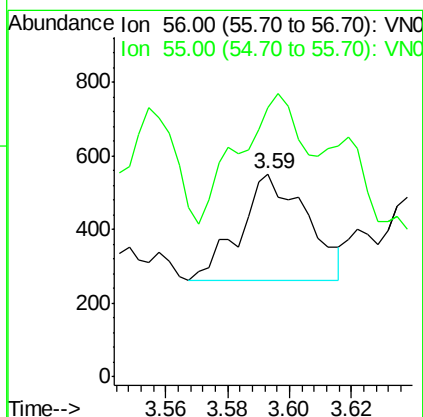
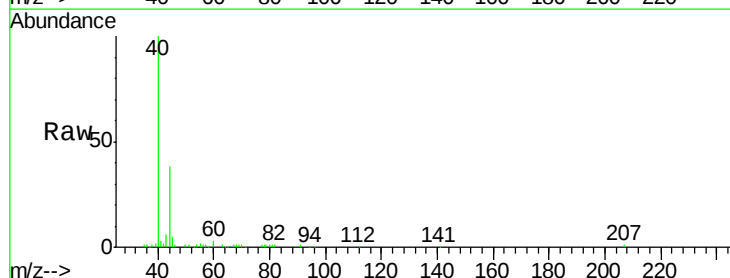
Tot Ion: 59 Resp: 311
 Ion Ratio Lower Upper
 59 100
 57 9.6 9.0 13.6

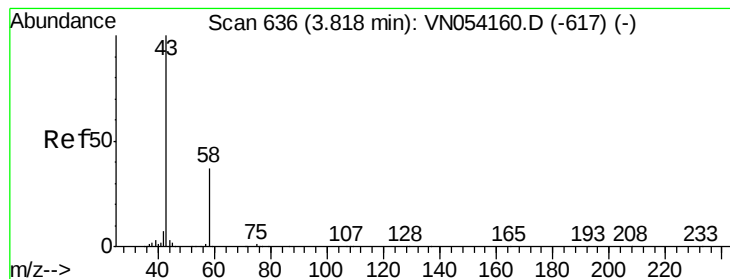


#13

Acrolein
 Concen: 0.473 ug/l
 RT: 3.59 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VN054314.D
 Acq: 15 Mar 2019 17:20

Tgt Ion: 56 Resp: 433
 Ion Ratio Lower Upper
 56 100
 55 118.5 56.7 85.1#





#16

Acetone

Concen: 1.027 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

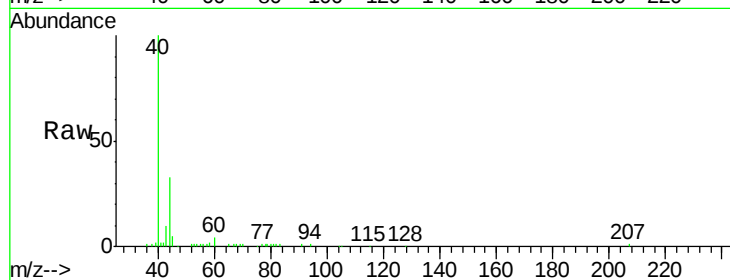
MW-2ADL

Tot Ion: 43 Resp: 4141

Ion Ratio Lower Upper

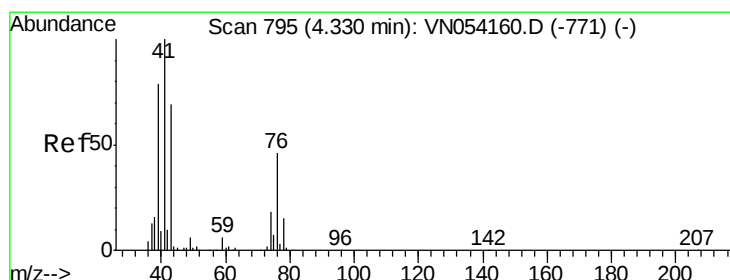
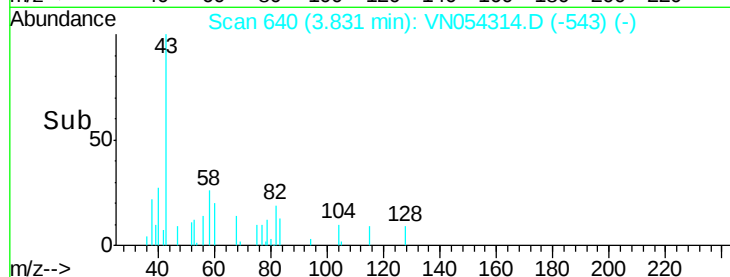
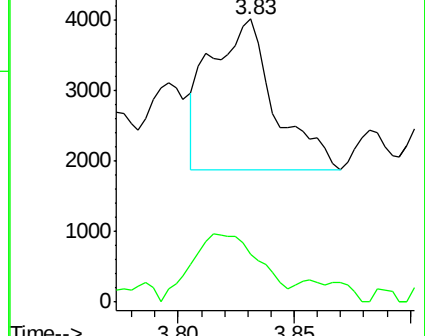
43 100

58 18.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#18

Methyl Acetate

Concen: 0.299 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054314.D

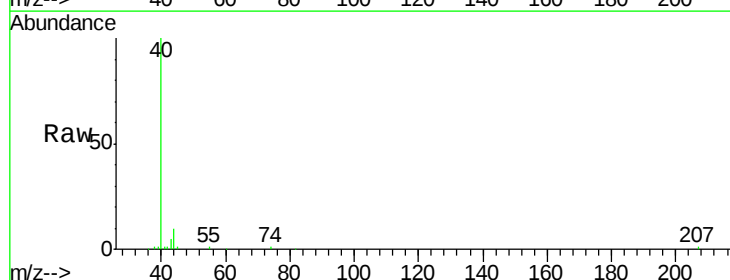
Acq: 15 Mar 2019 17:20

Tgt Ion: 43 Resp: 2441

Ion Ratio Lower Upper

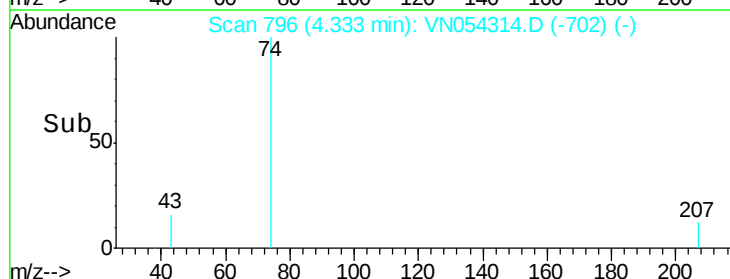
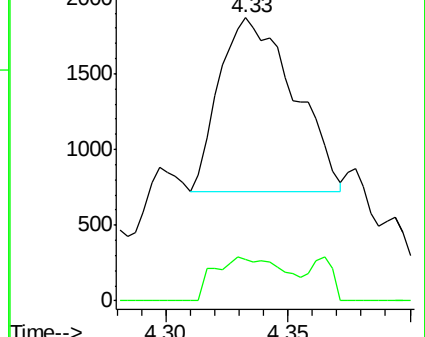
43 100

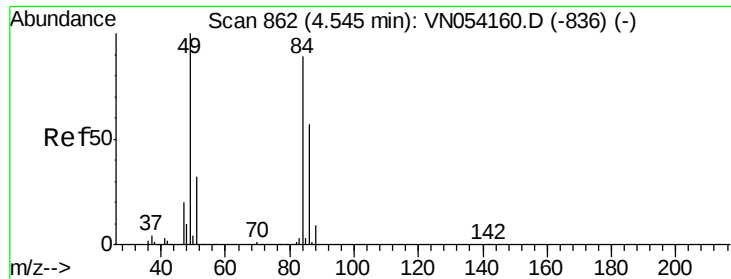
74 23.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#20

Methylene Chloride

Concen: 0.305 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

MW-2ADL

Tot Ion: 84 Resp: 4035

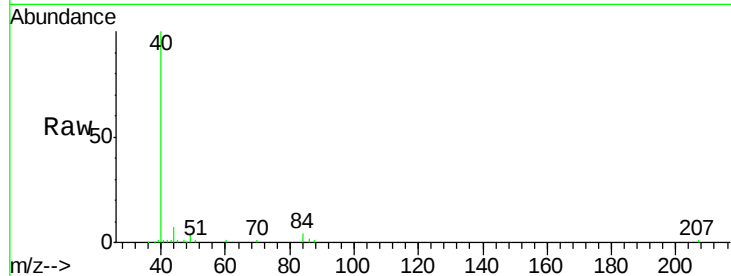
Ion Ratio Lower Upper

84 100

49 109.8 89.7 134.5

51 28.4 28.2 42.4

86 58.2 50.8 76.2

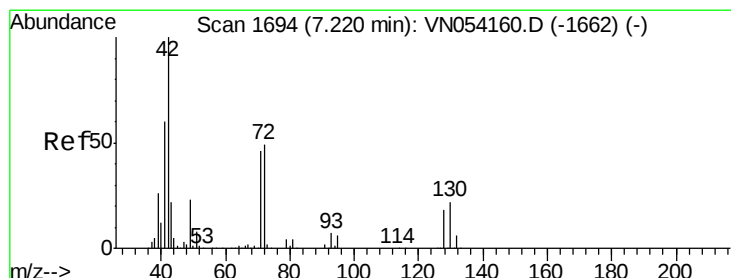
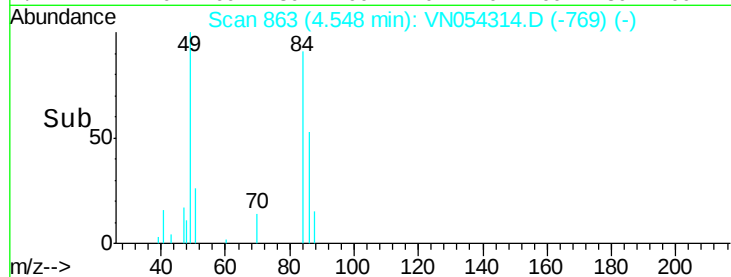
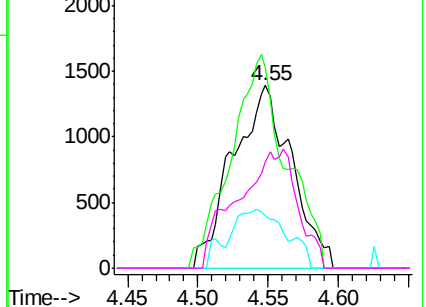


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29

Tetrahydrofuran

Concen: 1.111 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

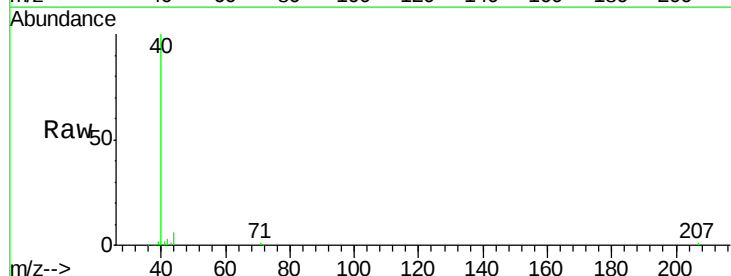
Tgt Ion: 42 Resp: 3379

Ion Ratio Lower Upper

42 100

72 14.9 37.8 56.6#

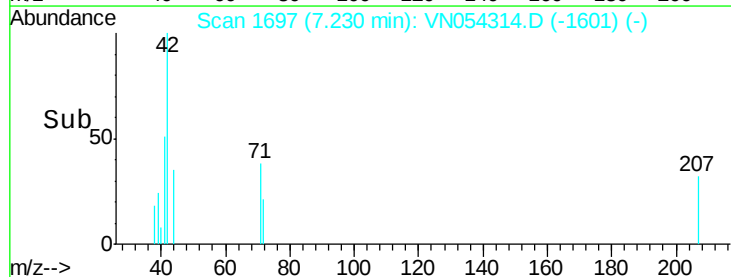
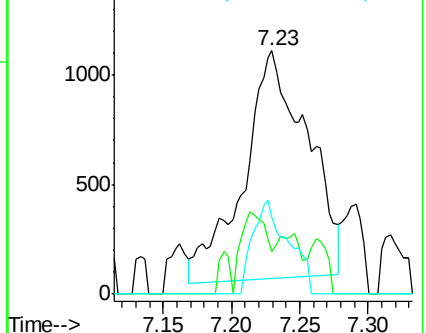
71 22.9 36.2 54.2#

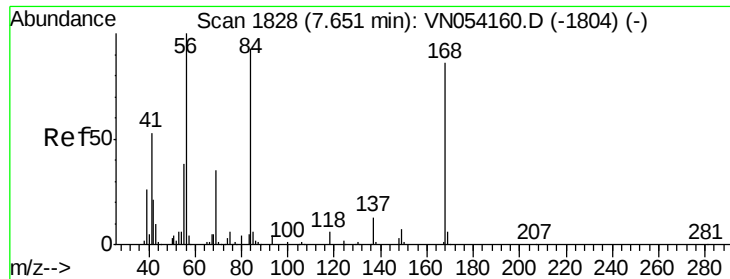


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

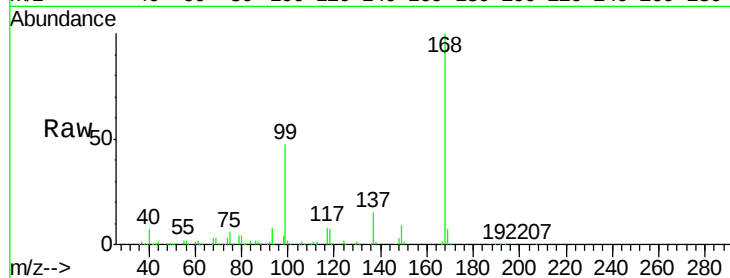




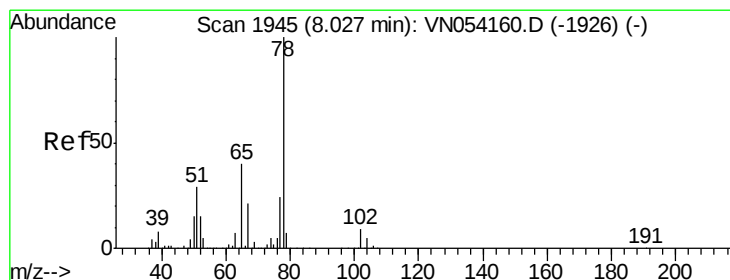
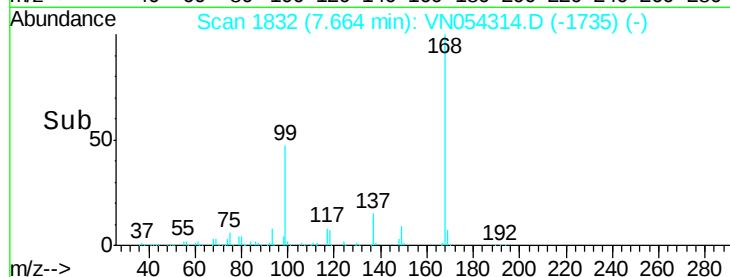
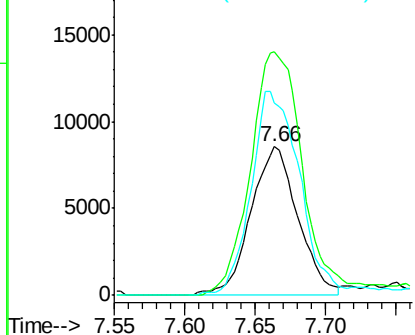
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054314.D
Acq: 15 Mar 2019 17:20

Instrument :
MSVOA_N
ClientSampleId :
MW-2ADL

Tot Ion: 56 Resp: 19962
Ion Ratio Lower Upper
56 100
69 163.8 27.8 41.6#
84 129.7 74.6 111.8#

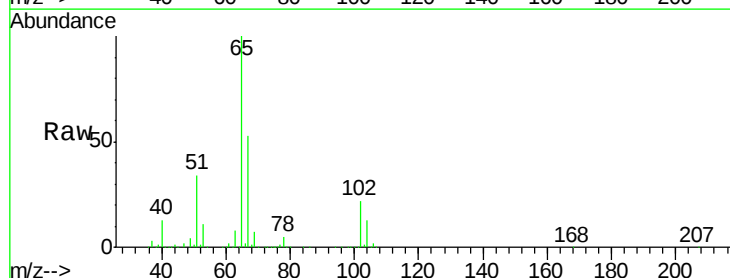


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

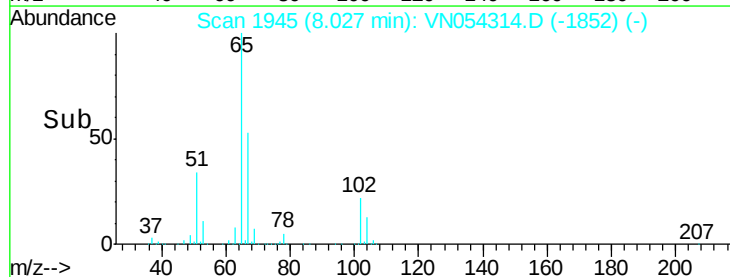
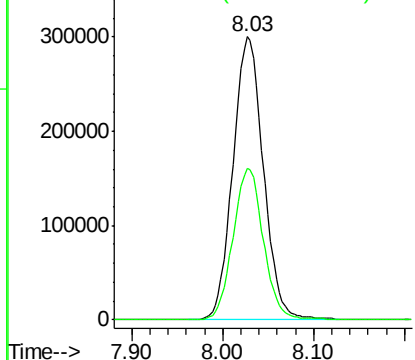


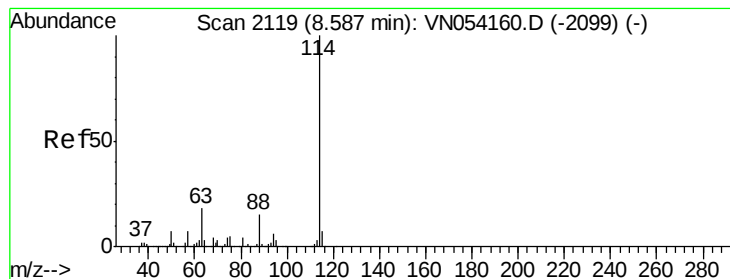
#33
1,2-Dichloroethane-d4
Concen: 49.748 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN054314.D
Acq: 15 Mar 2019 17:20

Tgt Ion: 65 Resp: 700452
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.6



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: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

MW-2ADL

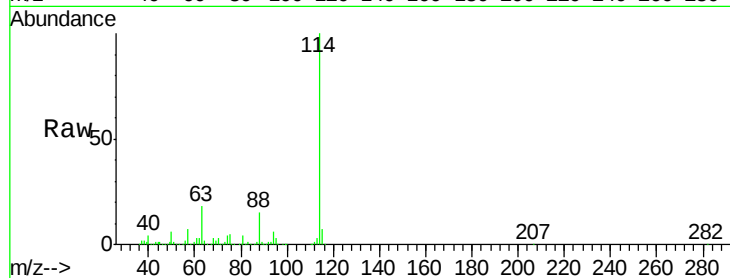
Tot Ion:114 Resp: 2226069

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

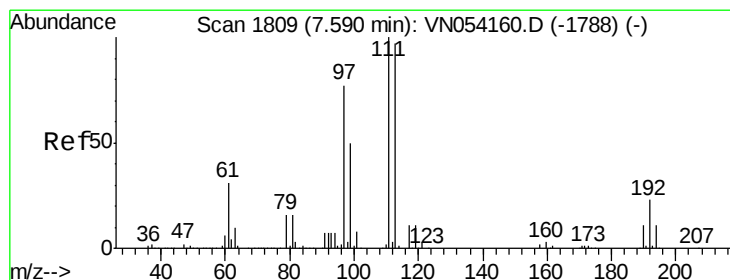
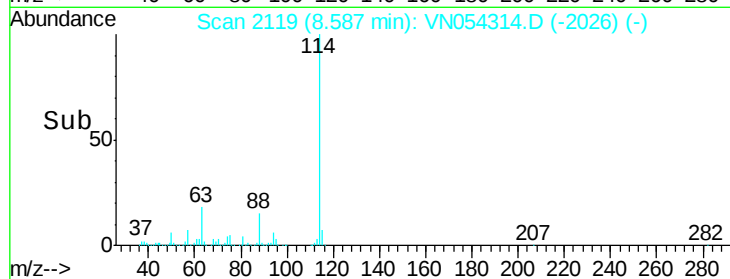
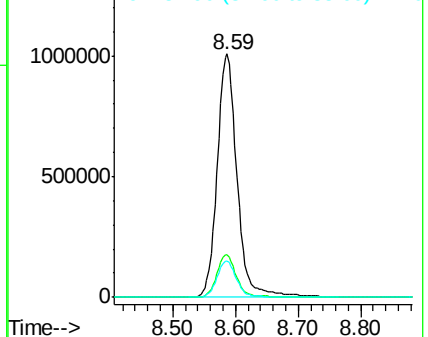
88 14.9 0.0 30.2



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: 47.153 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

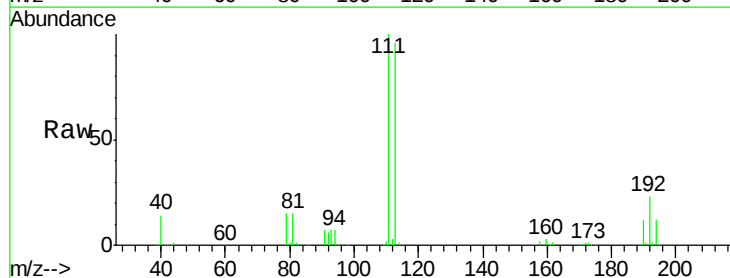
Tgt Ion:113 Resp: 676990

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

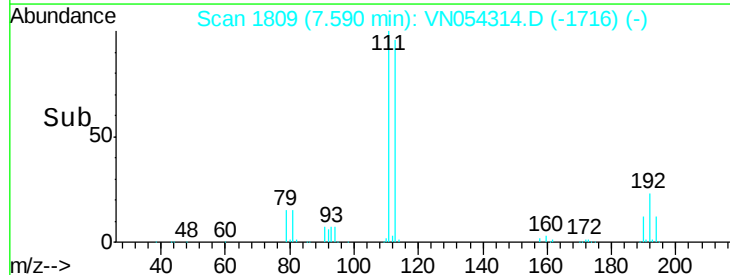
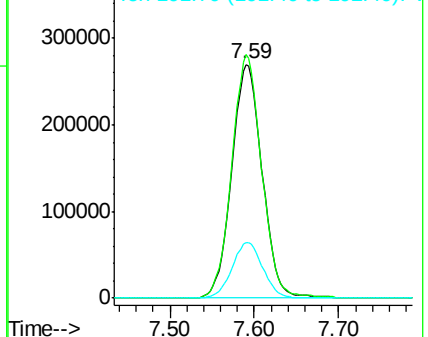
192 24.1 19.2 28.8

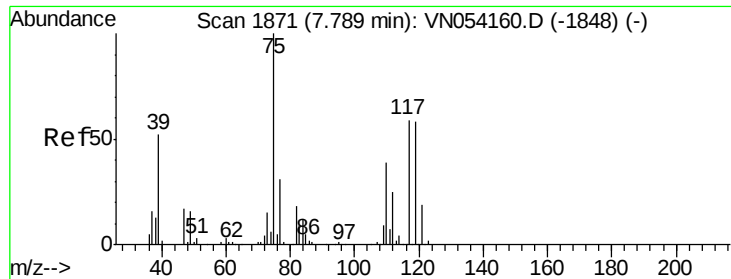


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

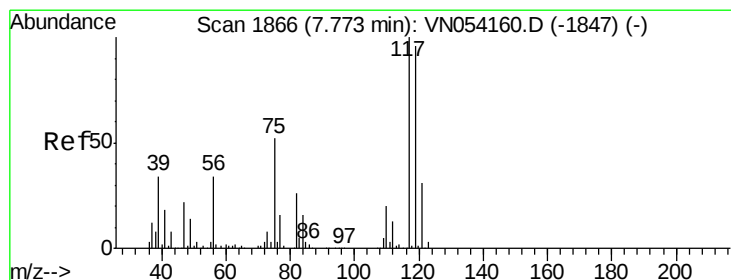
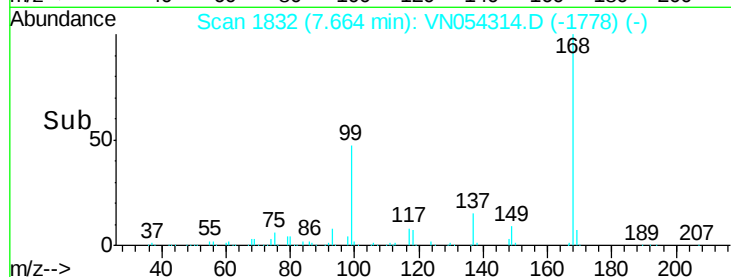
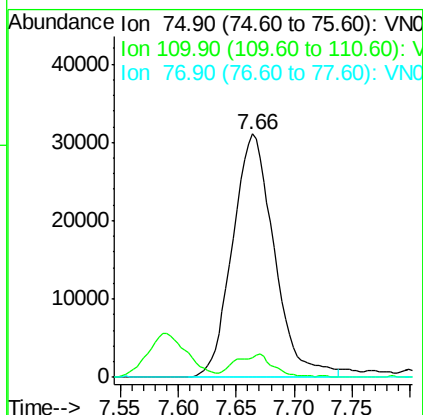
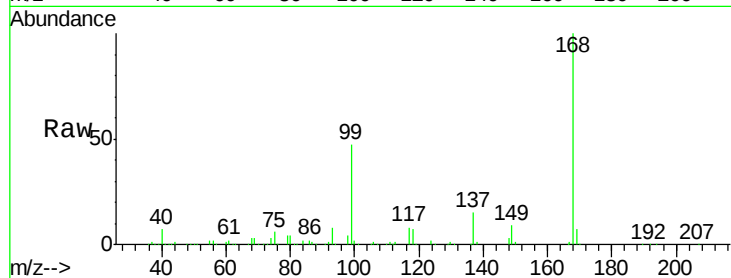




#36
 1,1-Dichloropropene
 Concen: 3.790 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054314.D
 Acq: 15 Mar 2019 17:20

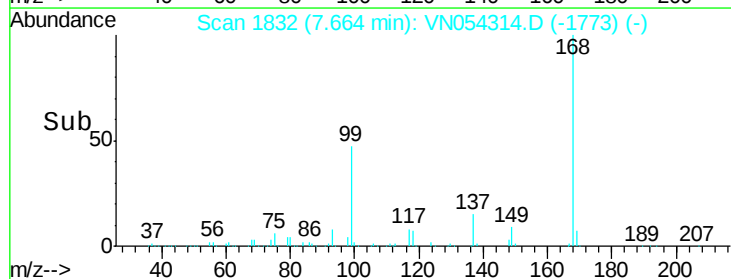
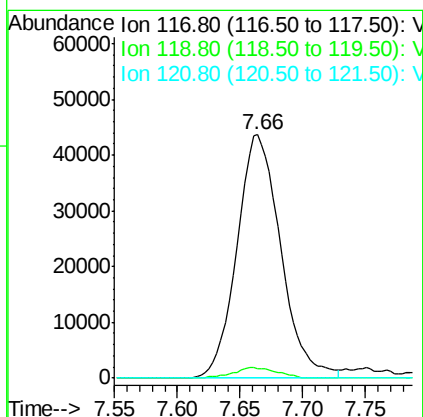
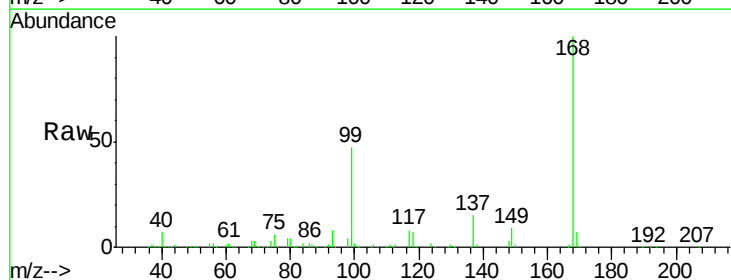
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2ADL

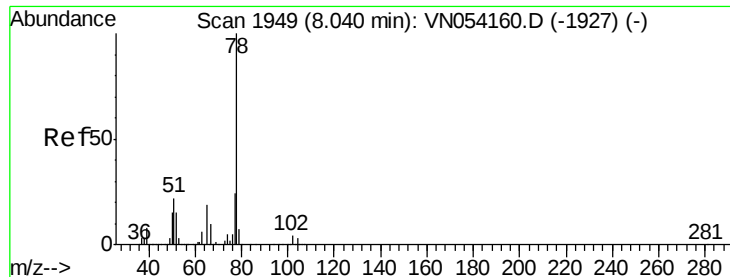
Tot Ion: 75 Resp: 77701
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 4.938 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054314.D
 Acq: 15 Mar 2019 17:20

Tgt Ion: 117 Resp: 106165
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.3 114.5#
 121 0.0 24.6 36.8#





#40

Benzene

Concen: 0.803 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

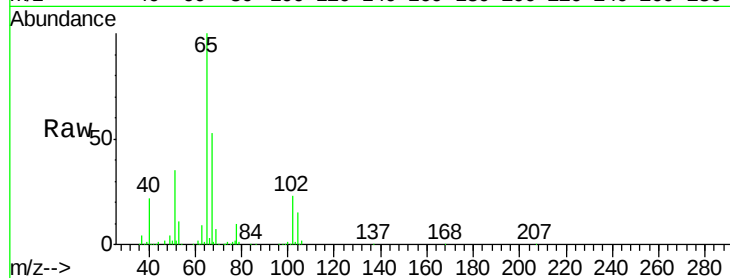
MW-2ADL

Tot Ion: 78 Resp: 47130

Ion Ratio Lower Upper

78 100

77 22.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

20000

15000

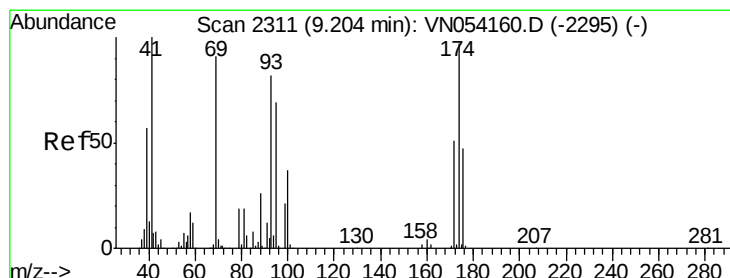
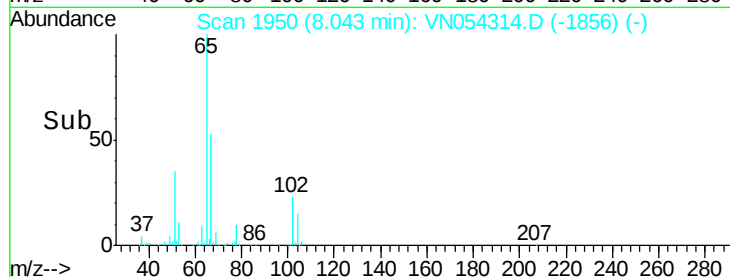
10000

5000

0

7.95 8.00 8.05 8.10 8.15

Time-->



#49

1,4-Dioxane

Concen: 0.216 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

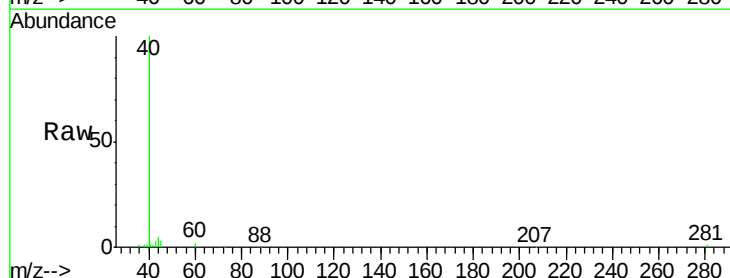
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 1128.1 24.1 36.1#

58 203.1 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2000

1500

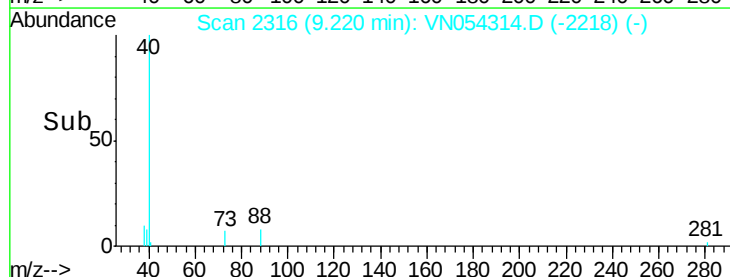
1000

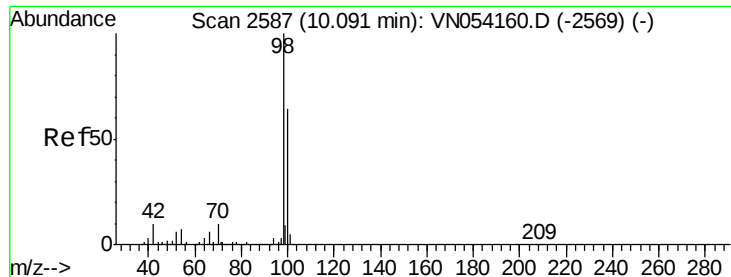
500

0

9.21 9.21 9.22 9.22 9.23

Time-->

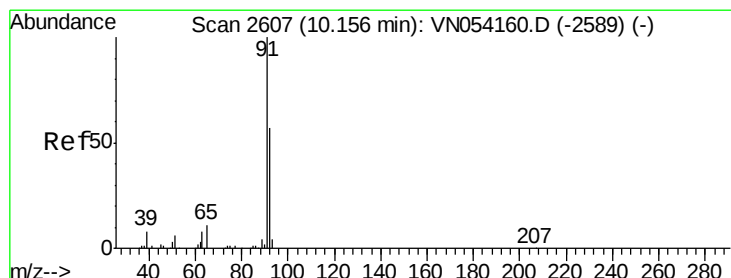
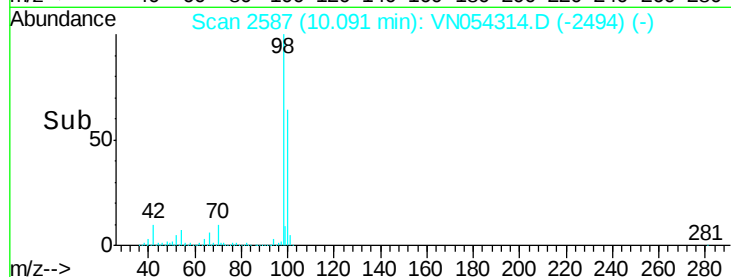
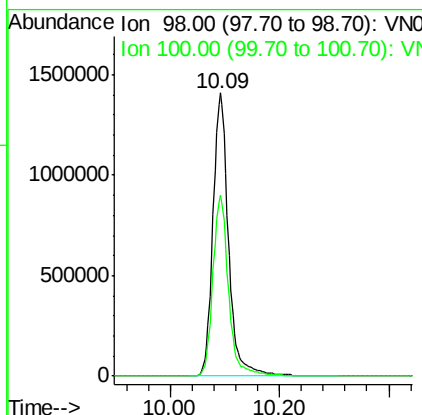
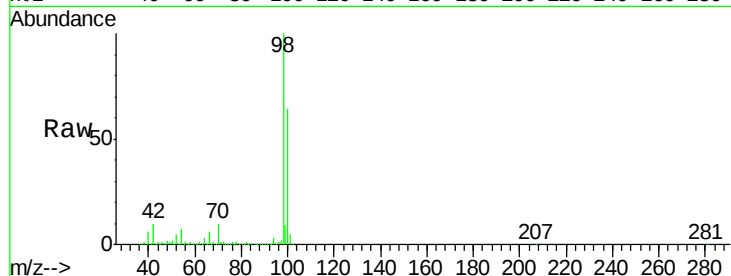




#50
Toluene-d8
Concen: 52.628 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054314.D
Acq: 15 Mar 2019 17:20

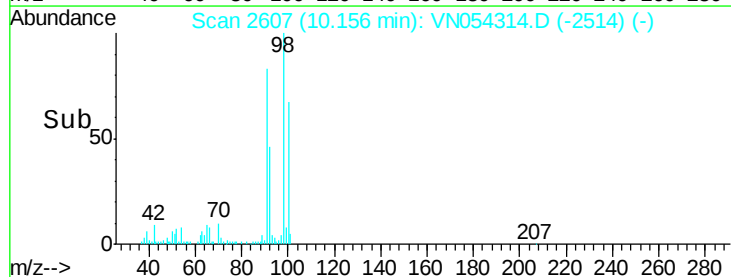
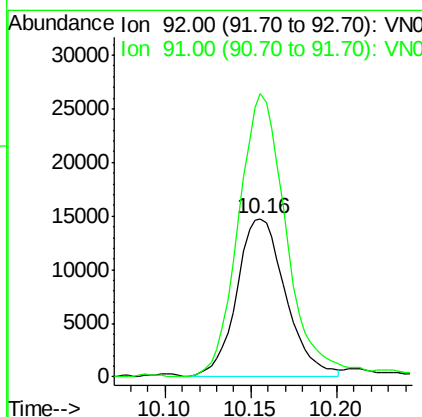
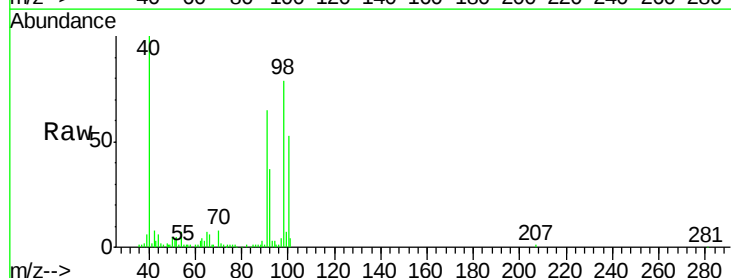
Instrument :
MSVOA_N
ClientSampleId :
MW-2ADL

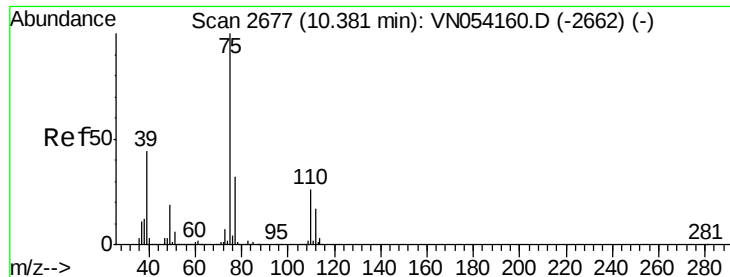
Tot Ion: 98 Resp: 2790509
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#52
Toluene
Concen: 0.785 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054314.D
Acq: 15 Mar 2019 17:20

Tgt Ion: 92 Resp: 29205
Ion Ratio Lower Upper
92 100
91 176.5 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 2.000 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. -0.22 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

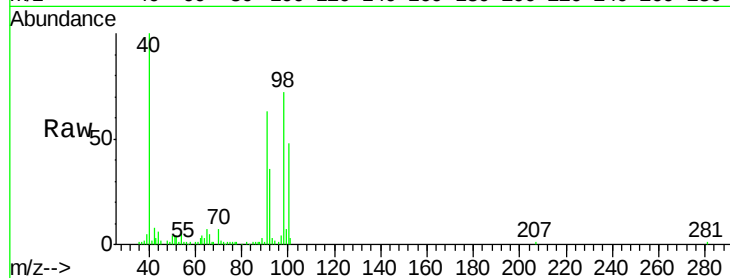
MW-2ADL

Tot Ion: 75 Resp: 340

Ion Ratio Lower Upper

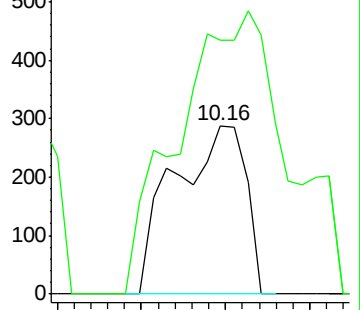
75 100

77 151.0 25.8 38.8#

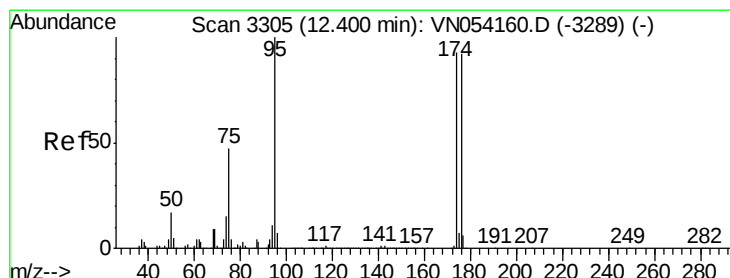
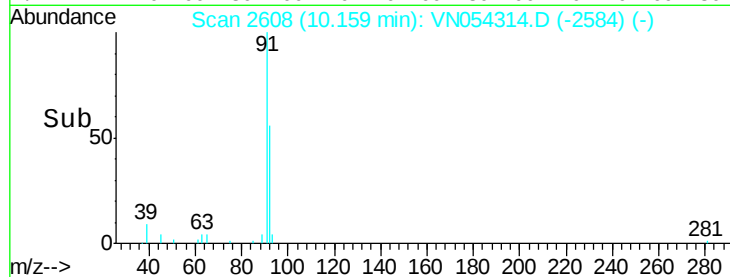


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 61.204 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

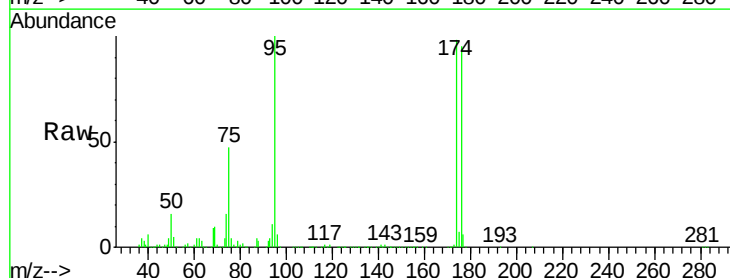
Tgt Ion: 95 Resp: 1135516

Ion Ratio Lower Upper

95 100

174 98.8 0.0 191.0

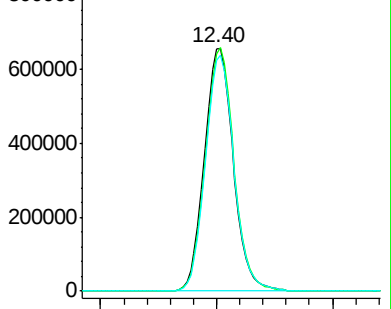
176 96.0 0.0 187.4



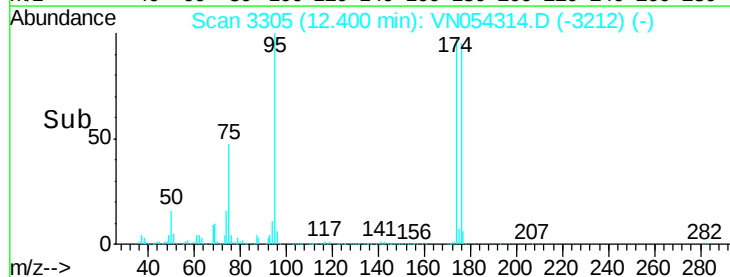
Abundance Ion 94.90 (94.60 to 95.60): VN0

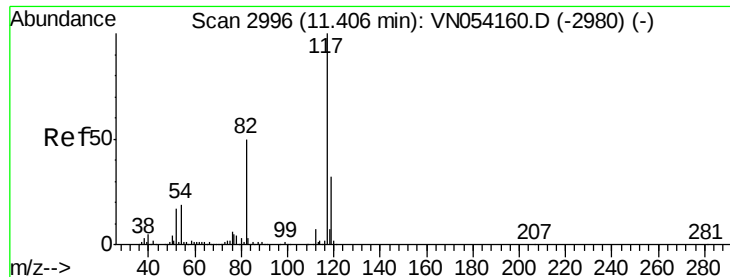
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

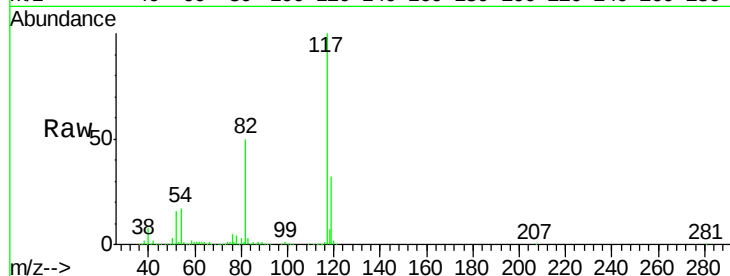




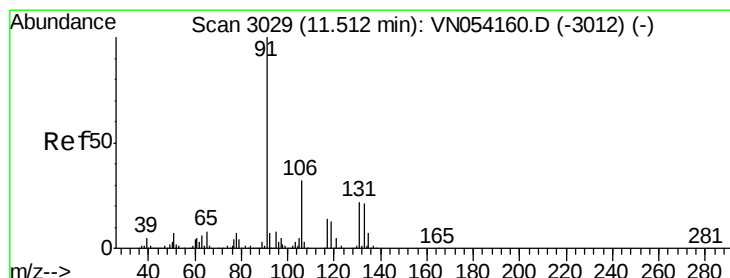
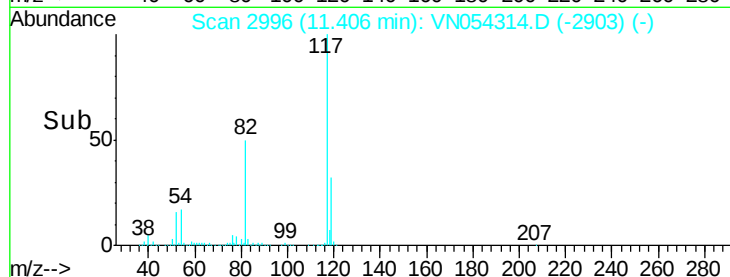
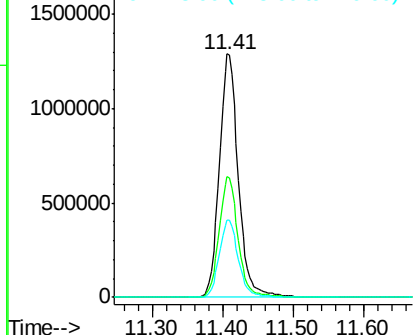
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054314.D
Acq: 15 Mar 2019 17:20

Instrument :
MSVOA_N
ClientSampleId :
MW-2ADL

Tot Ion:117 Resp: 2404288
Ion Ratio Lower Upper
117 100
82 49.6 40.0 60.0
119 31.7 25.8 38.6

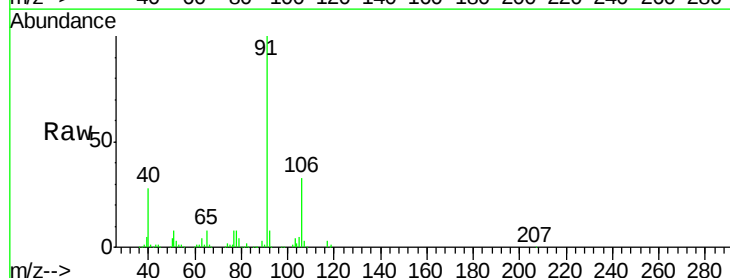


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

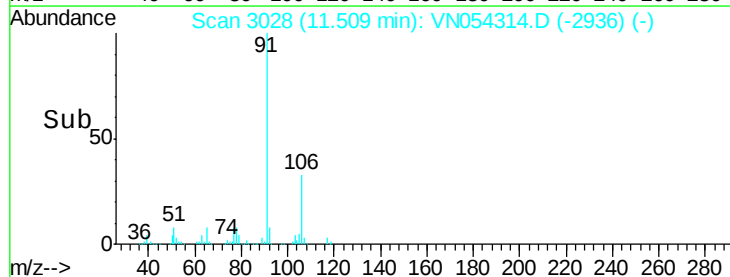
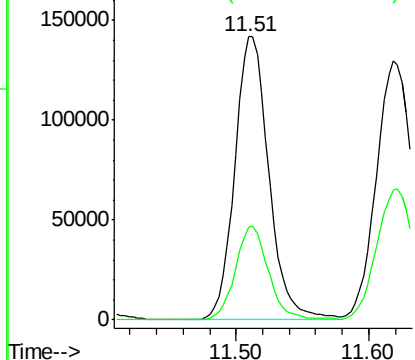


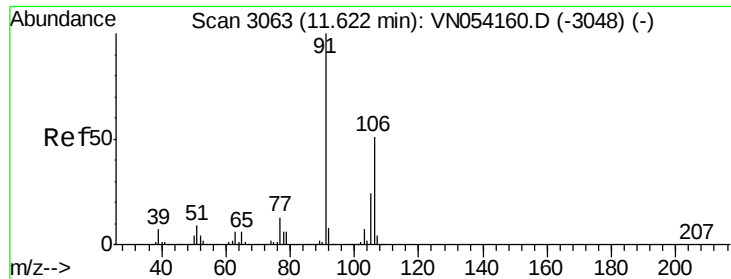
#67
Ethyl Benzene
Concen: 2.896 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054314.D
Acq: 15 Mar 2019 17:20

Tgt Ion: 91 Resp: 253406
Ion Ratio Lower Upper
91 100
106 32.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 3.792 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

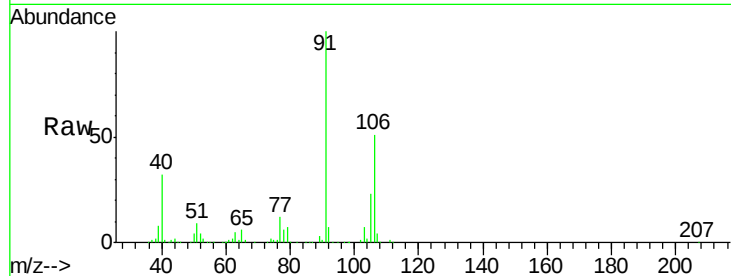
MW-2ADL

Tot Ion:106 Resp: 129691

Ion Ratio Lower Upper

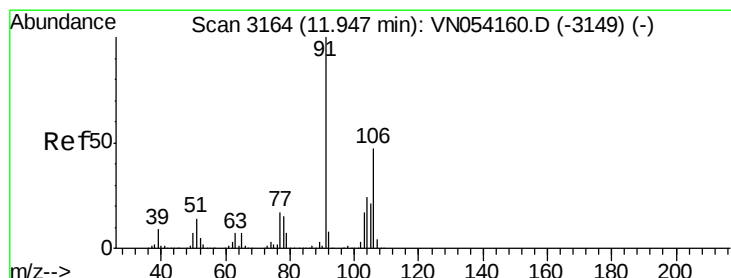
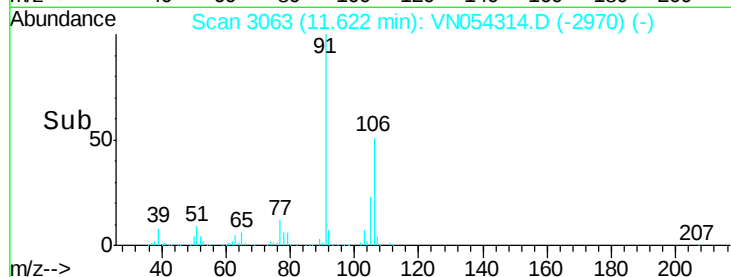
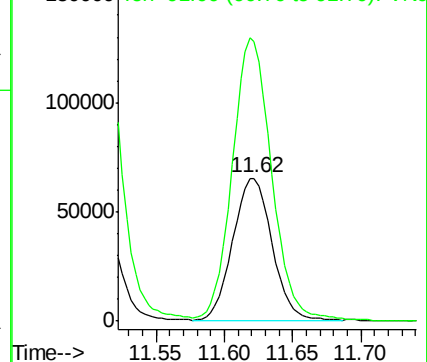
106 100

91 197.2 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 2.981 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054314.D

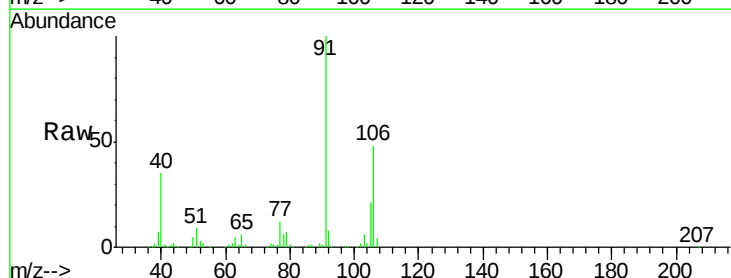
Acq: 15 Mar 2019 17:20

Tgt Ion:106 Resp: 99387

Ion Ratio Lower Upper

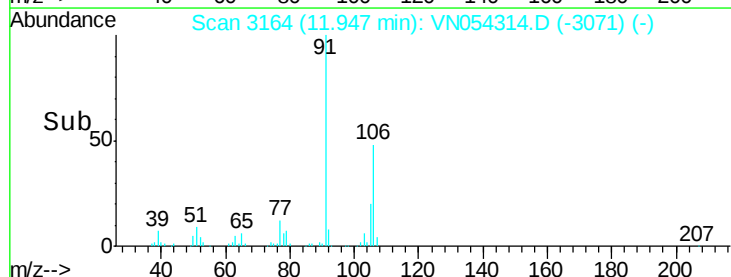
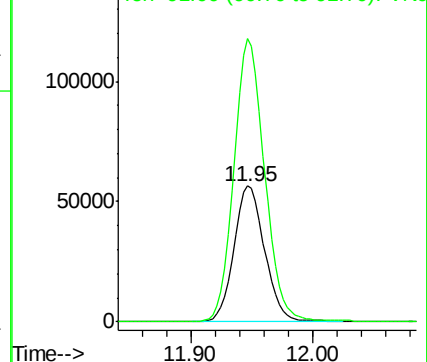
106 100

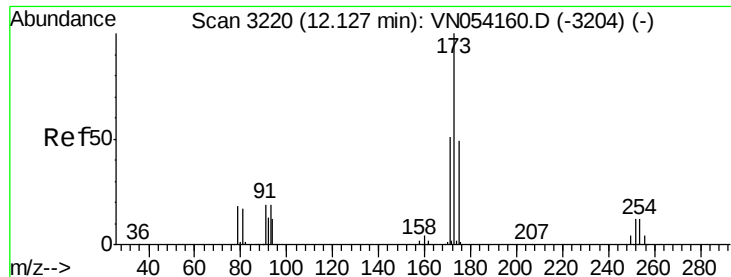
91 208.0 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#71

Bromoform

Concen: 2.810 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

MW-2ADL

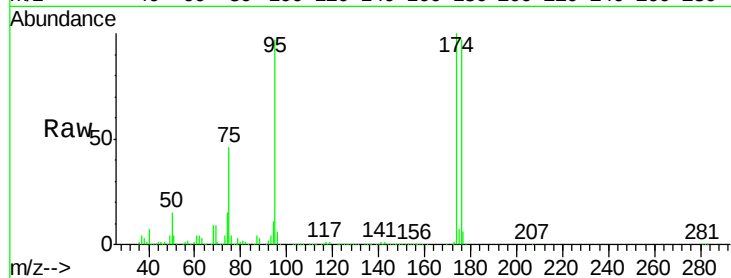
Tot Ion:173 Resp: 7054

Ion Ratio Lower Upper

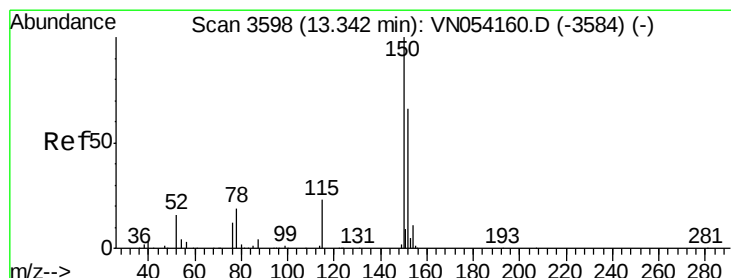
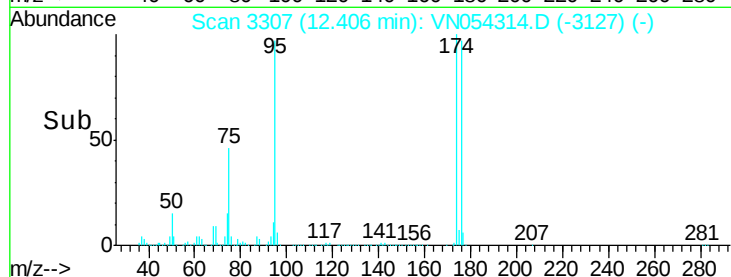
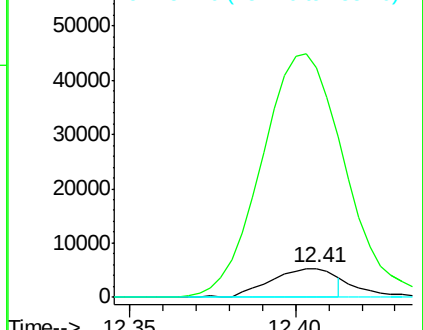
173 100

175 941.1 24.4 73.2#

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

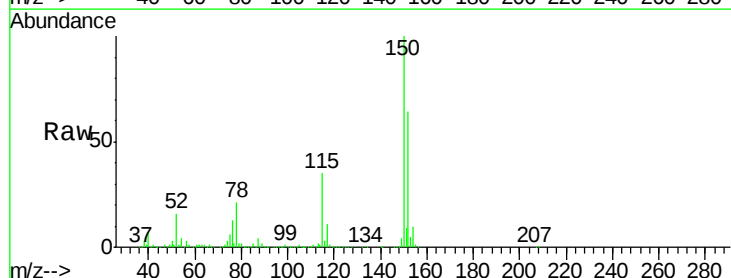
Tgt Ion:152 Resp: 1178785

Ion Ratio Lower Upper

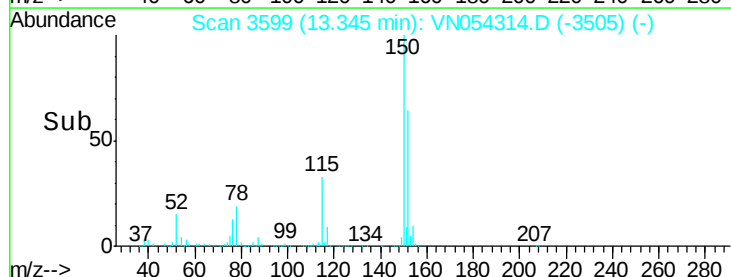
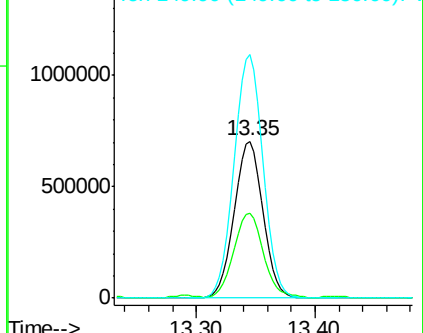
152 100

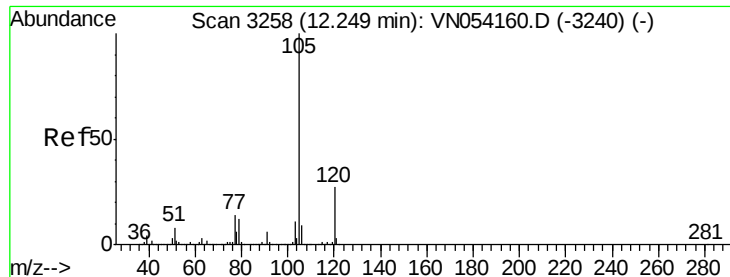
115 55.1 27.2 81.6

150 156.9 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





#73

Isopropylbenzene

Concen: 1.232 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

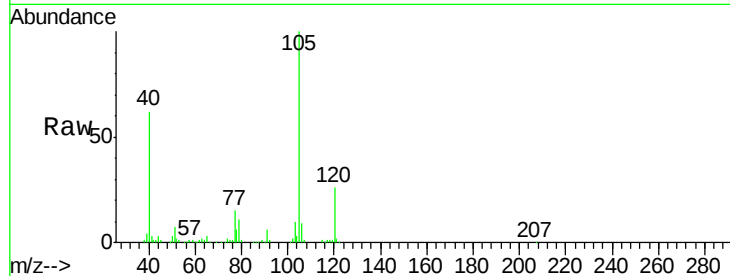
MW-2ADL

Tot Ion:105 Resp: 116152

Ion Ratio Lower Upper

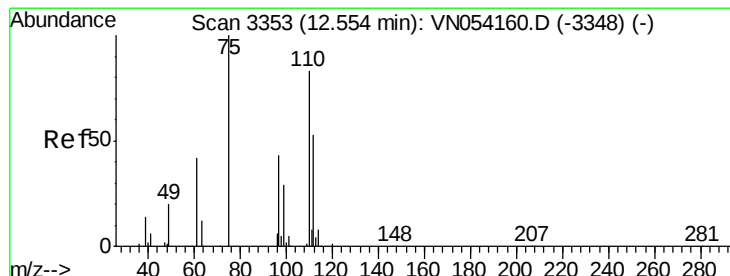
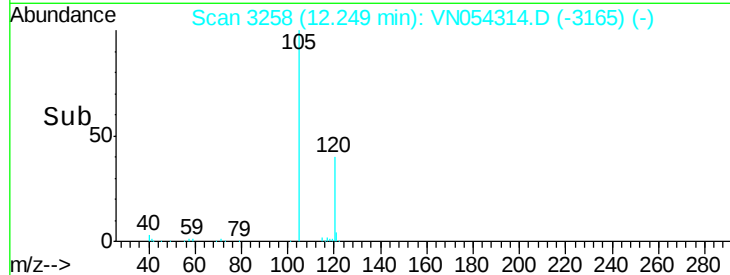
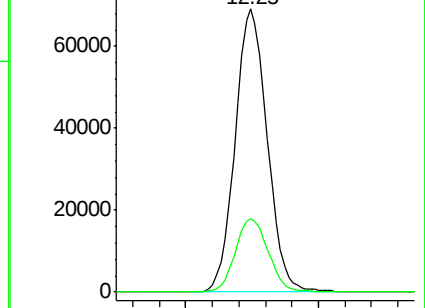
105 100

120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 30.910 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054314.D

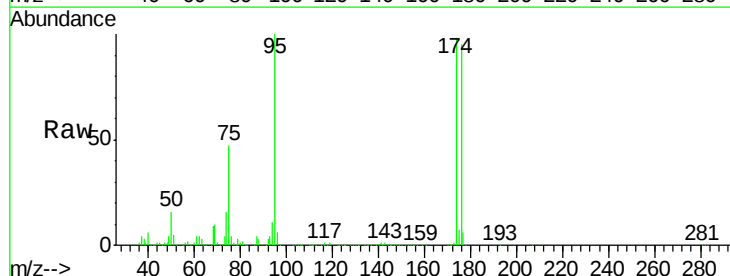
Acq: 15 Mar 2019 17:20

Tgt Ion: 75 Resp: 535819

Ion Ratio Lower Upper

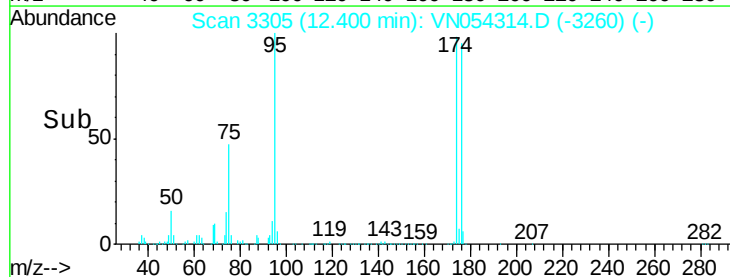
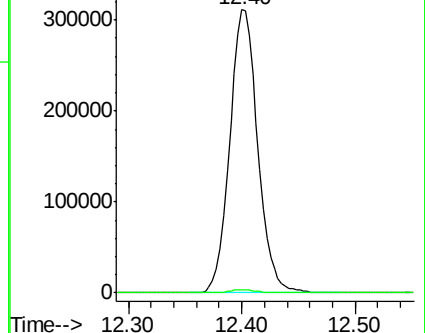
75 100

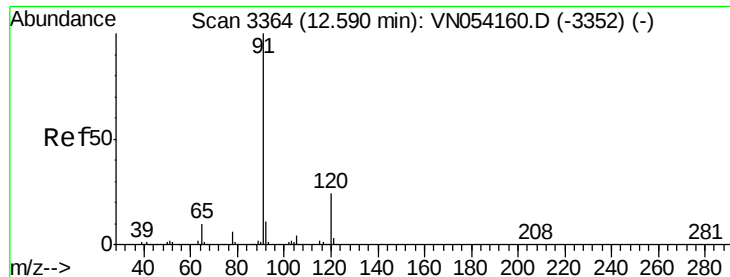
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#78

n-propylbenzene

Concen: 0.583 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

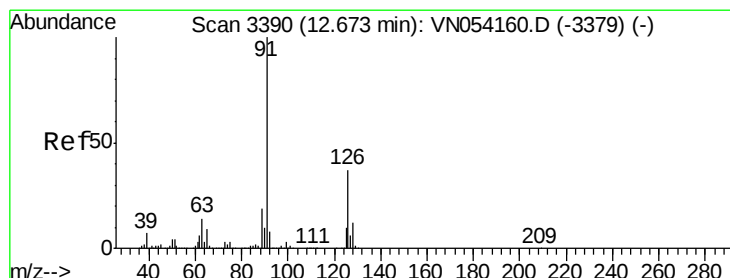
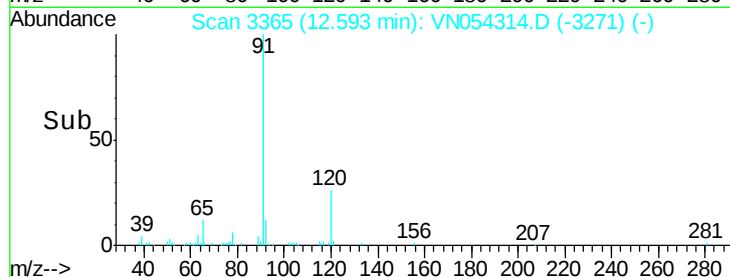
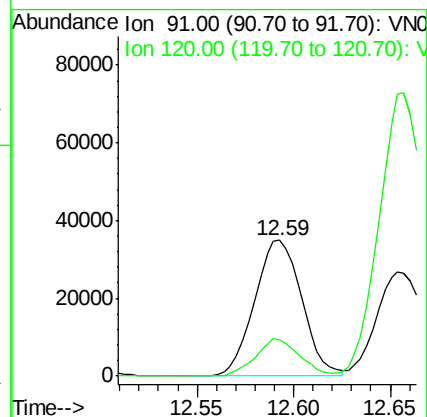
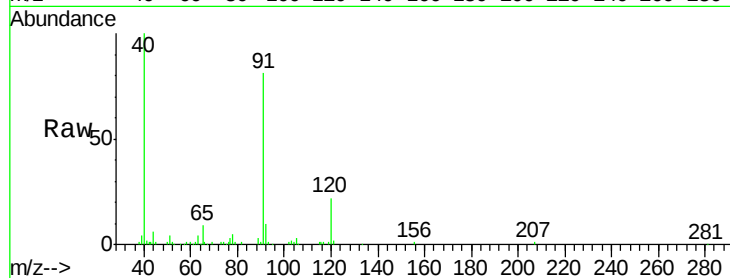
MW-2ADL

Tot Ion: 91 Resp: 59649

Ion Ratio Lower Upper

91 100

120 25.4 12.3 36.9



#79

2-Chlorotoluene

Concen: 0.681 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054314.D

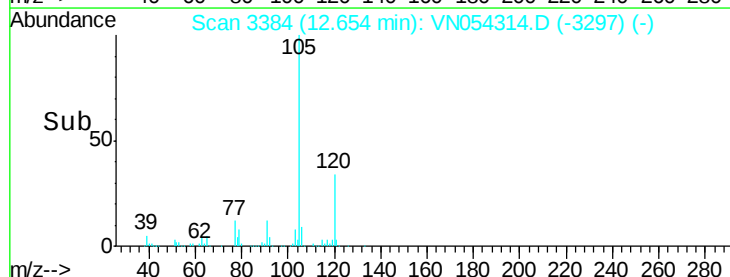
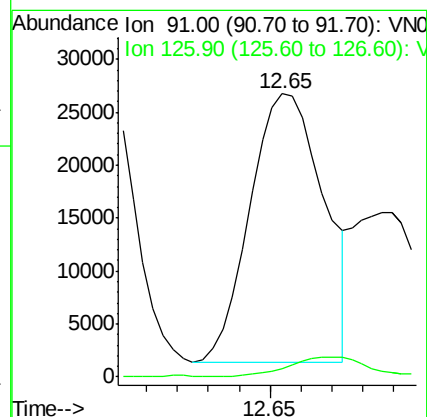
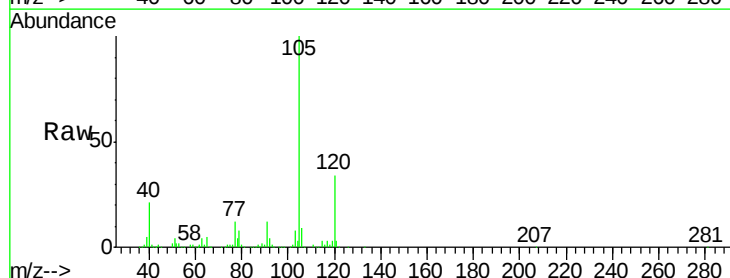
Acq: 15 Mar 2019 17:20

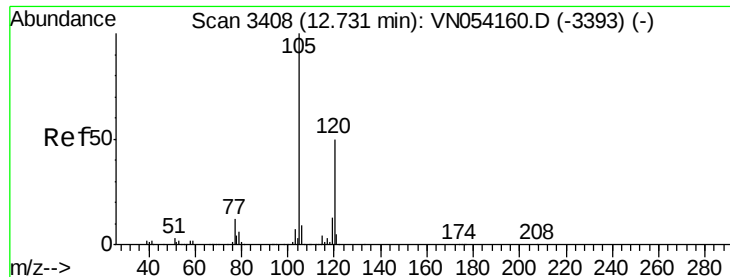
Tgt Ion: 91 Resp: 41878

Ion Ratio Lower Upper

91 100

126 8.0 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 4.538 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

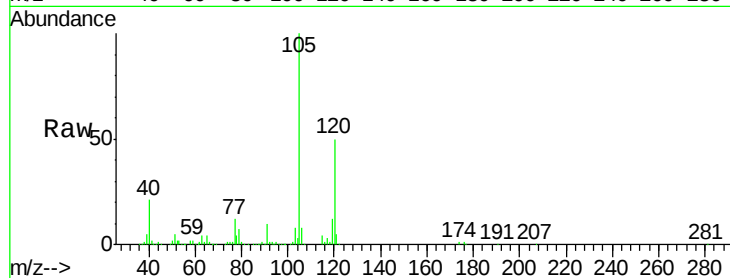
MW-2ADL

Tot Ion:105 Resp: 356017

Ion Ratio Lower Upper

105 100

120 49.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

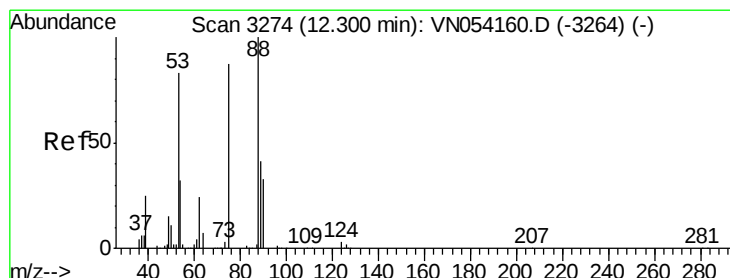
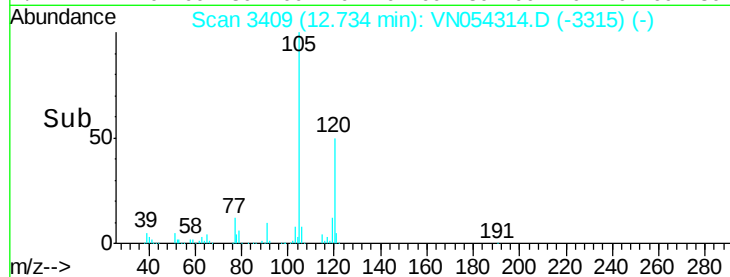
100000

50000

0

12.70 12.75 12.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 105.666 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

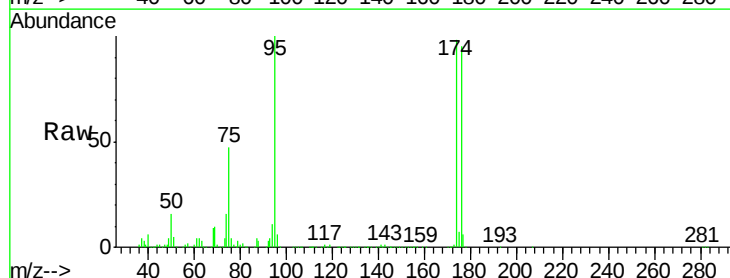
Tgt Ion: 75 Resp: 535819

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

400000

300000

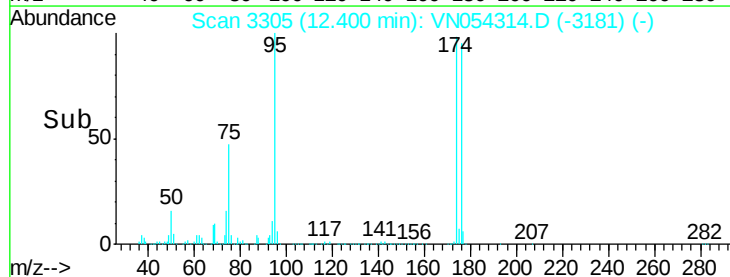
200000

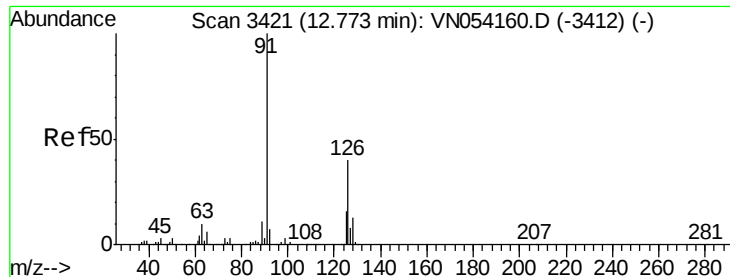
100000

0

12.30 12.40 12.50

Time-->





#82

4-Chlorotoluene

Concen: 0.591 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

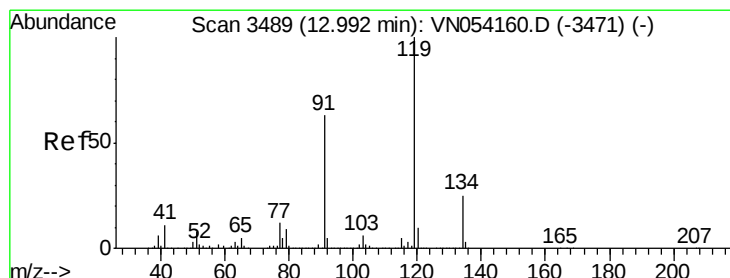
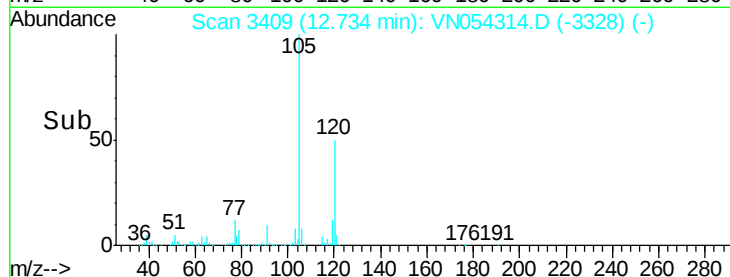
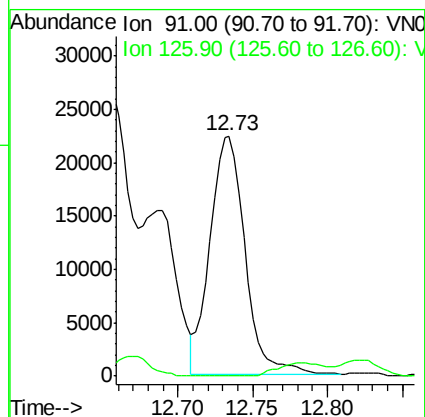
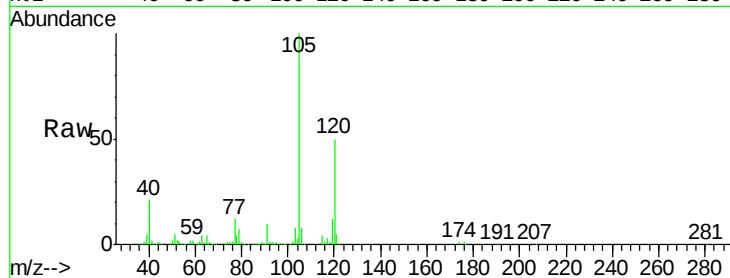
MW-2ADL

Tot Ion: 91 Resp: 36333

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#83

tert-Butylbenzene

Concen: 1.701 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

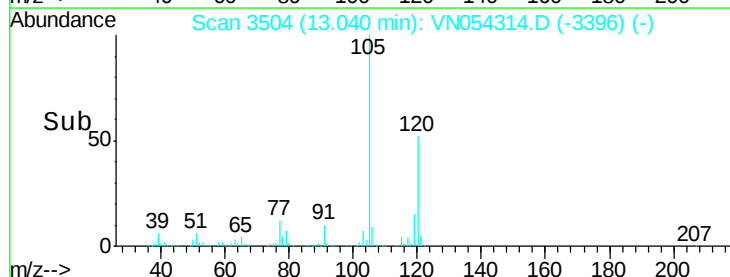
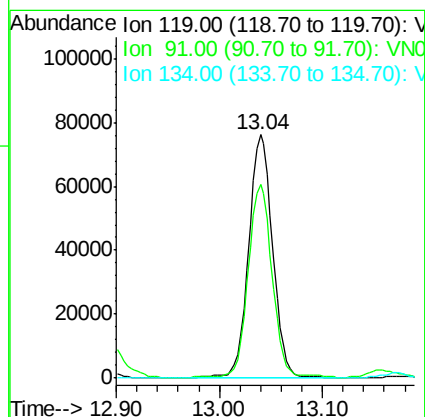
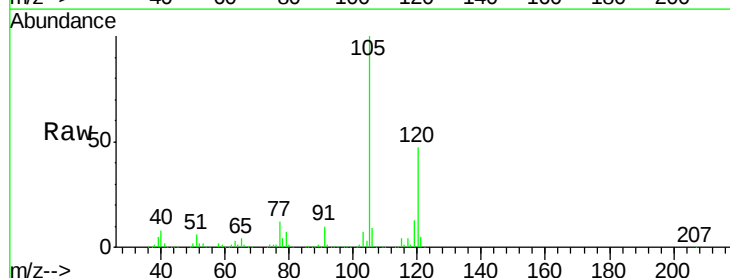
Tgt Ion: 119 Resp: 122849

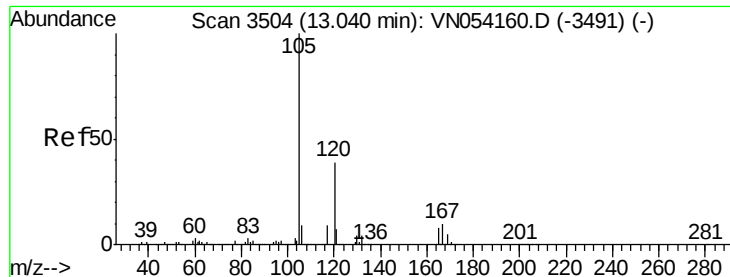
Ion Ratio Lower Upper

119 100

91 79.8 30.9 92.8

134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 12.496 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

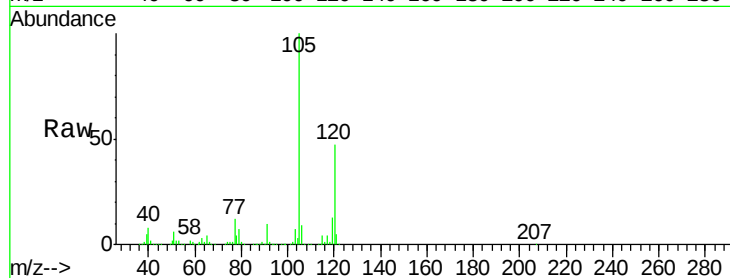
MW-2ADL

Tot Ion:105 Resp: 961712

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

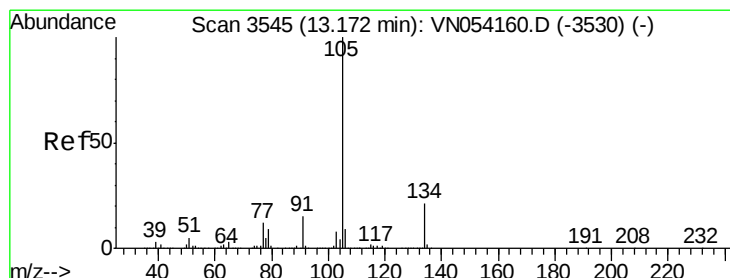
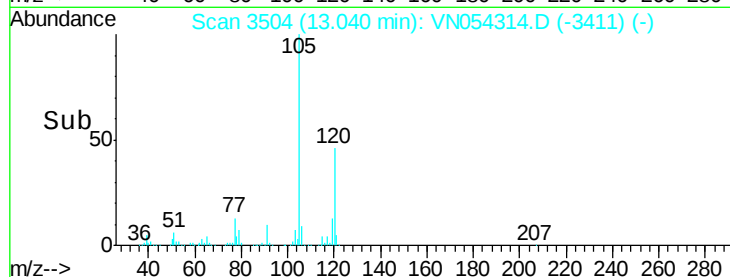
600000

400000

200000

0

Time-->



#85

sec-Butylbenzene

Concen: 10.270 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054314.D

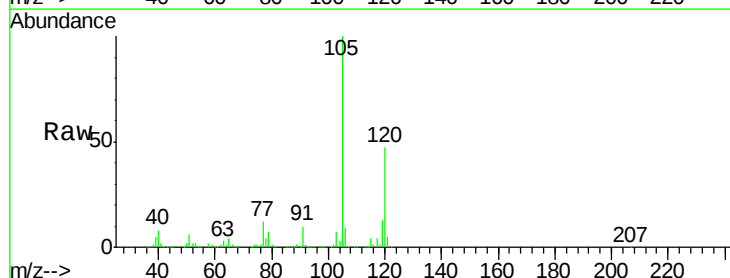
Acq: 15 Mar 2019 17:20

Tgt Ion:105 Resp: 961712

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.04

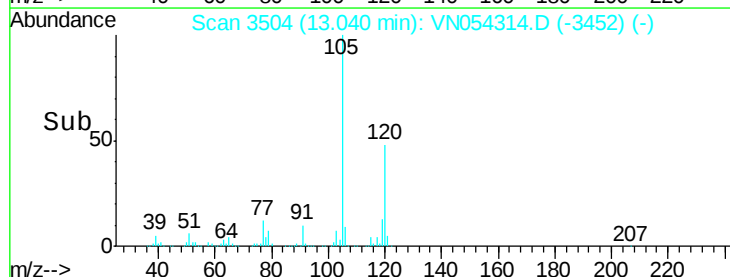
600000

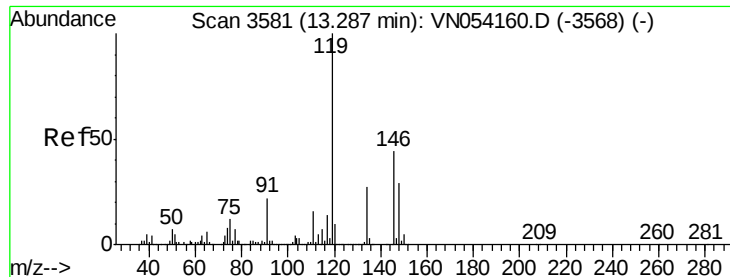
400000

200000

0

Time-->

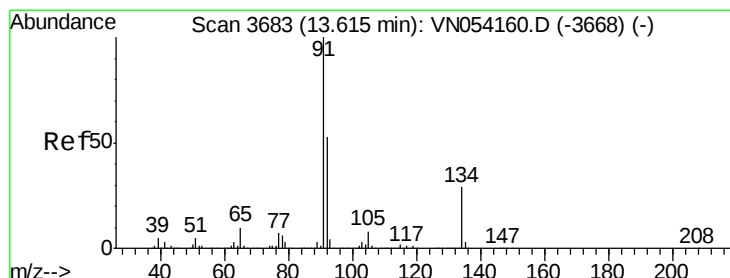
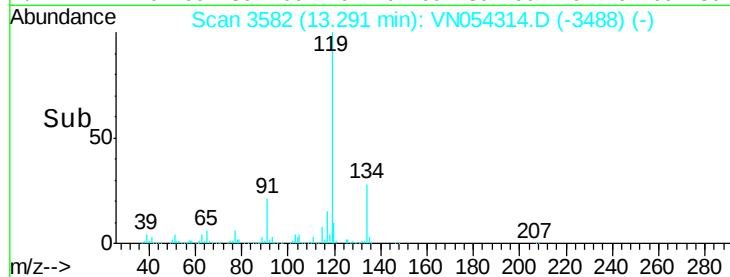
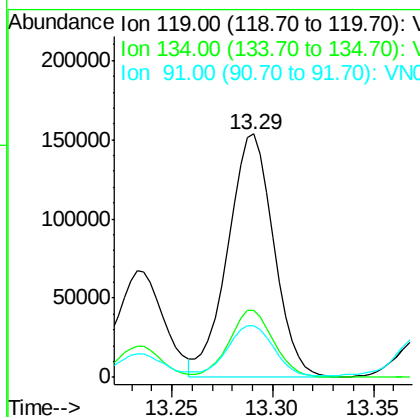
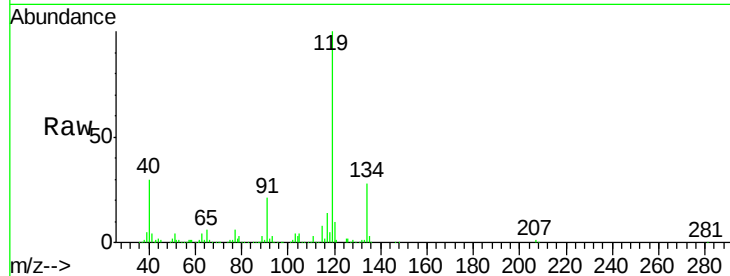




#86
 p-Isopropyltoluene
 Concen: 2.964 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054314.D
 Acq: 15 Mar 2019 17:20

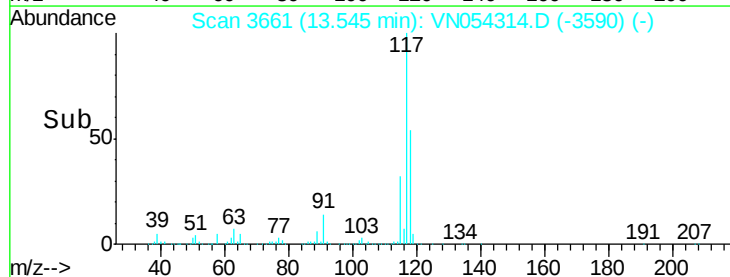
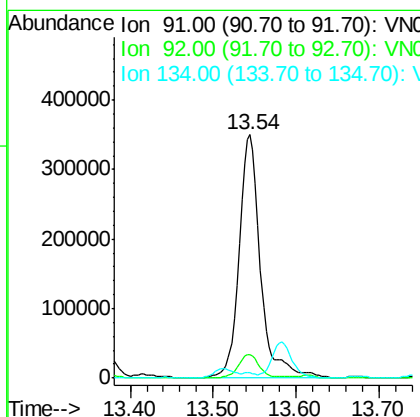
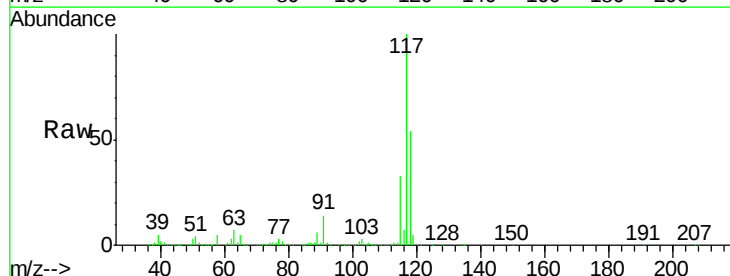
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2ADL

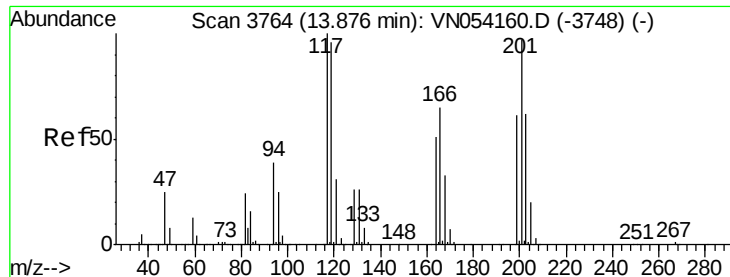
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.6	40.8
91	21.0	11.1	33.3



#89
 n-Butylbenzene
 Concen: 10.178 ug/l
 RT: 13.54 min Scan# 3661
 Delta R.T. -0.07 min
 Lab File: VN054314.D
 Acq: 15 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	9.9	26.2	78.6#
134	0.0	14.3	42.9#





#90

Hexachloroethane

Concen: 1.833 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

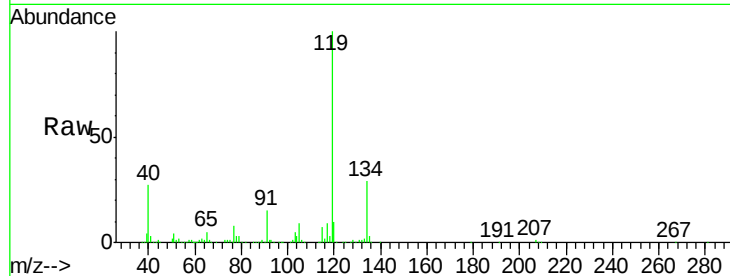
MW-2ADL

Tot Ion:117 Resp: 24928

Ion Ratio Lower Upper

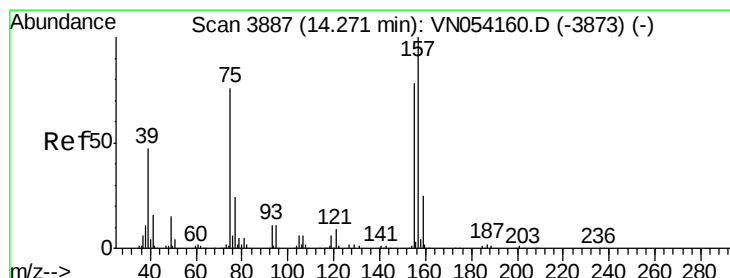
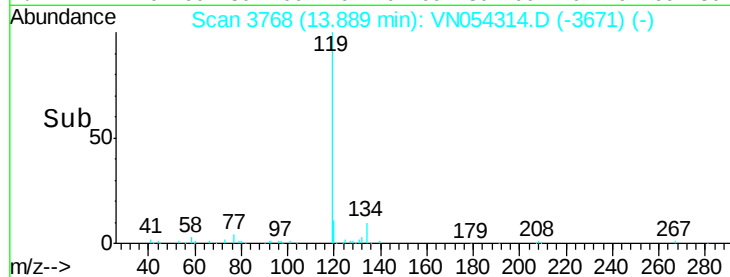
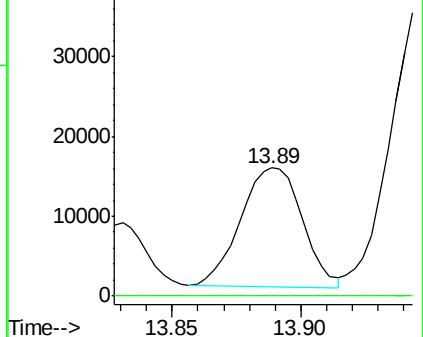
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.929 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

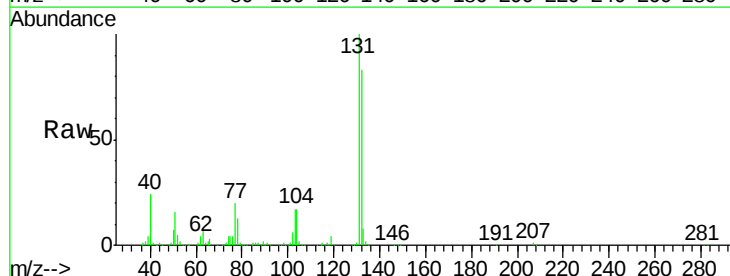
Tgt Ion: 75 Resp: 18435

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

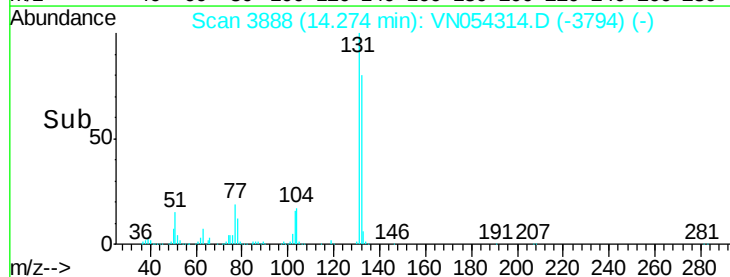
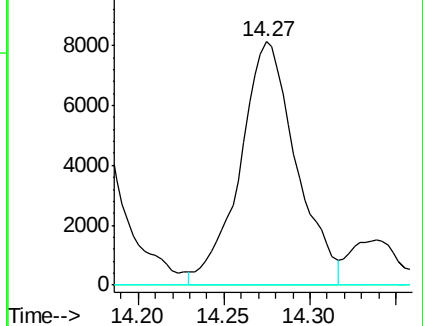
157 0.0 63.1 189.3#

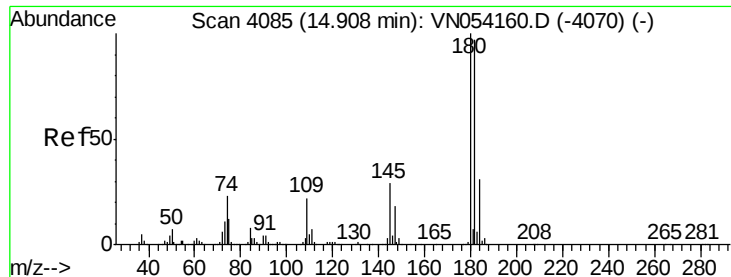


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.594 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

MW-2ADL

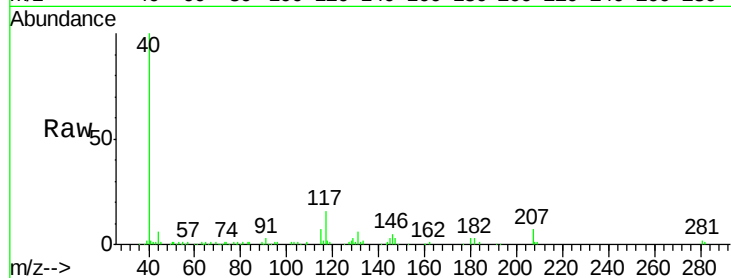
Tot Ion:180 Resp: 2015

Ion Ratio Lower Upper

180 100

182 103.3 48.0 144.2

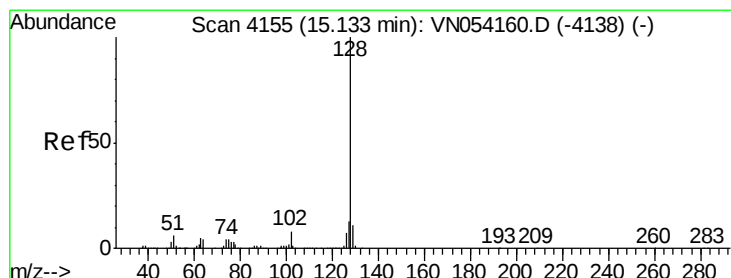
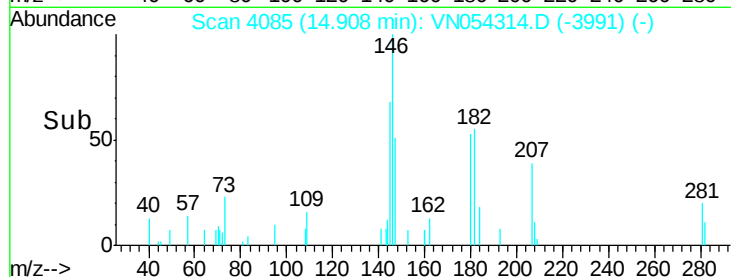
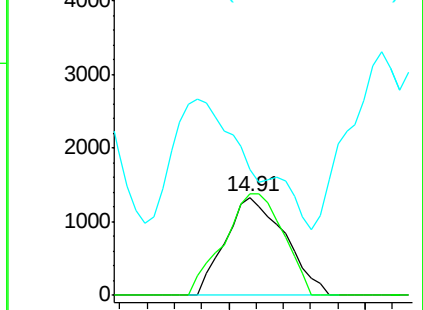
145 0.0 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 278.656 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054314.D

Acq: 15 Mar 2019 17:20

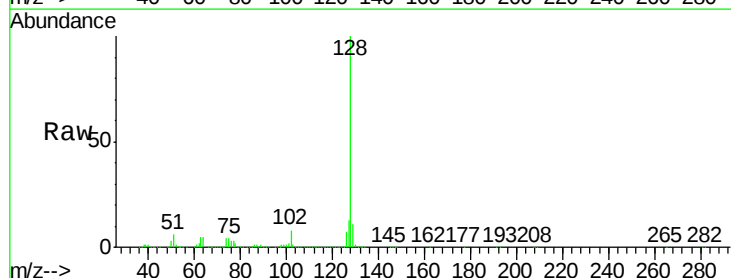
Tgt Ion:128 Resp:15288556

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 11.0 8.7 13.1



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

