

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056194.D
 Acq On : 11 Jun 2019 2:40
 Operator : JC/SP
 Sample : K3255-05DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20190604DL

Quant Time: Jun 11 05:09:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	299594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	452494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136855	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	163794	55.06	ug/l	0.00
Spiked Amount			Recovery	=	110.12%	
35) Dibromofluoromethane	7.59	113	148707	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
50) Toluene-d8	10.09	98	588594	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	
62) 4-Bromofluorobenzene	12.40	95	180797	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	

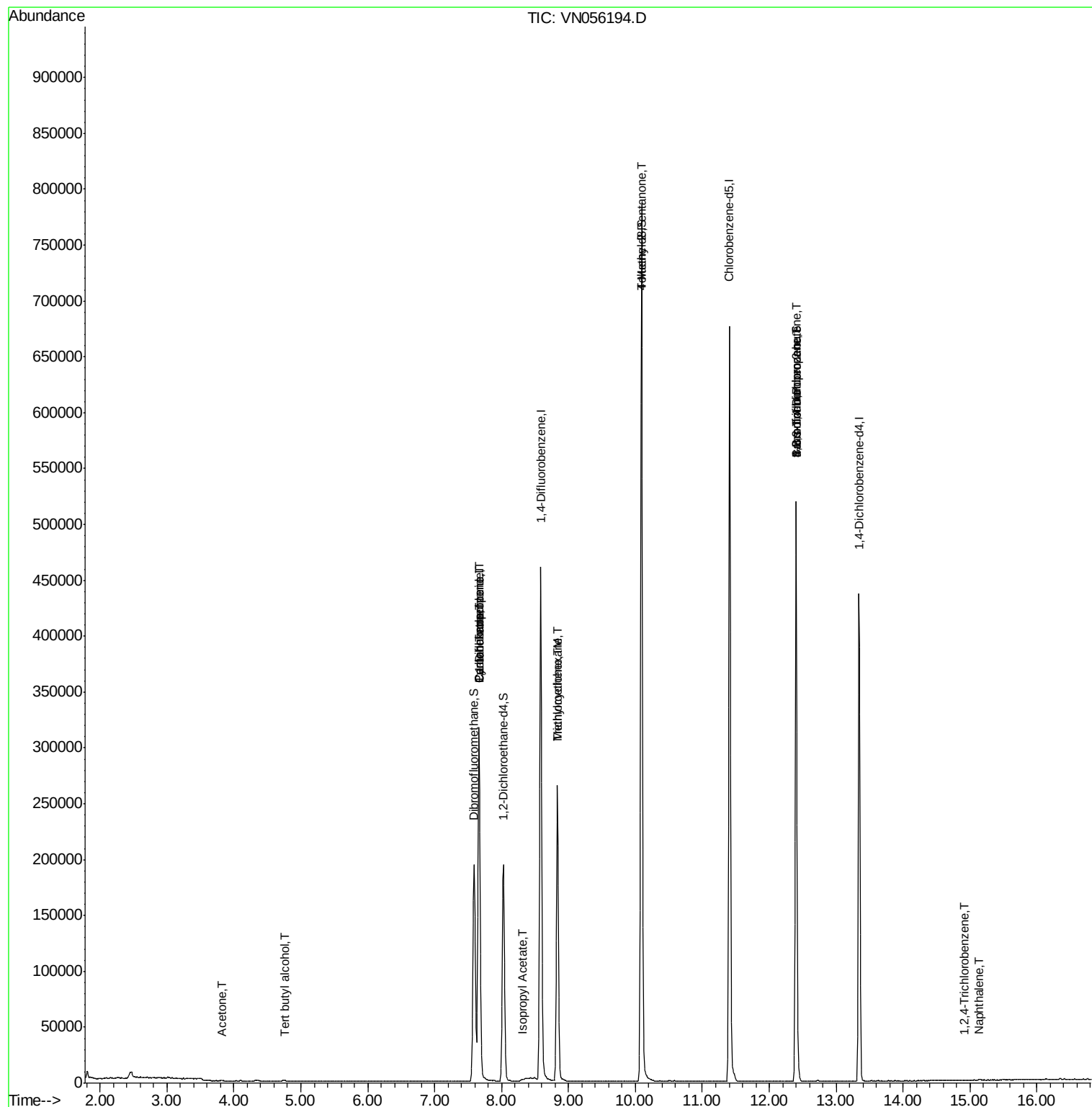
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	155	0.299	ug/l #	74
16) Acetone	3.83	43	369	0.259	ug/l #	41
18) Methyl Acetate	4.33	43	1363	Below Cal	#	60
31) Cyclohexane	7.66	56	4046	0.857	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17652	4.537	ug/l #	48
38) Carbon Tetrachloride	7.66	117	24510	6.833	ug/l #	15
39) Methylcyclohexane	8.83	83	1073	0.221	ug/l #	1
43) Isopropyl Acetate	8.32	43	1782	0.318	ug/l #	53
44) Trichloroethene	8.83	130	107877	31.769	ug/l	99
51) 4-Methyl-2-Pentanone	10.09	43	2270	0.647	ug/l #	1
71) Bromoform	12.40	173	1258	3.211	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	83276	33.070	ug/l #	100
79) 2-Chlorotoluene	12.60	91	93	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	83276	110.129	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	30	4.281	ug/l #	12
95) Naphthalene	15.14	128	1050	3.999	ug/l #	69

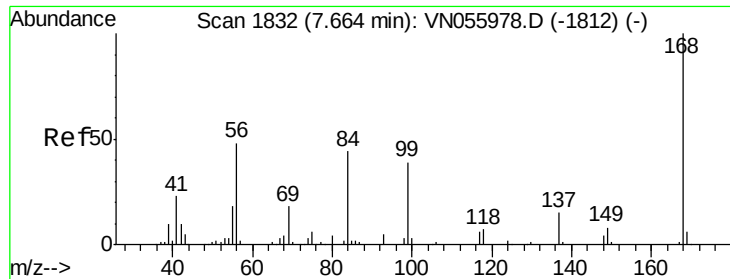
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061019\
Data File : VN056194.D
Acq On : 11 Jun 2019 2:40
Operator : JC/SP
Sample : K3255-05DL 100X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20190604DL

Quant Time: Jun 11 05:09:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

Instrument :

MSVOA_N

ClientSampleId :

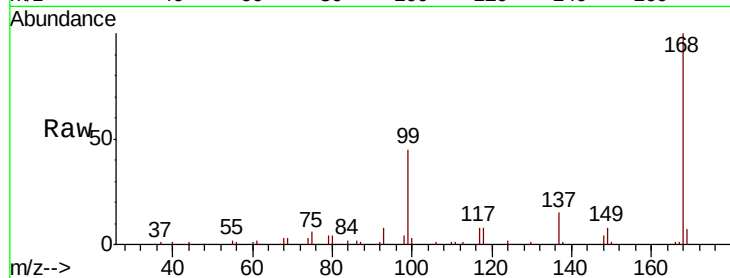
RE122D2-20190604DL

Tot Ion:168 Resp: 299594

Ion Ratio Lower Upper

168 100

99 45.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

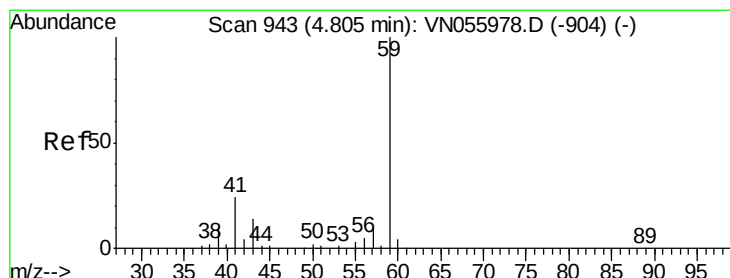
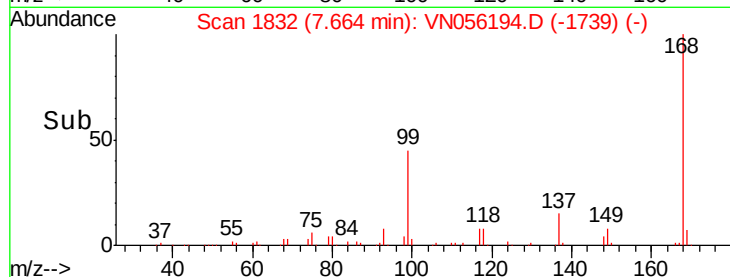
7.66

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.299 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.04 min

Lab File: VN056194.D

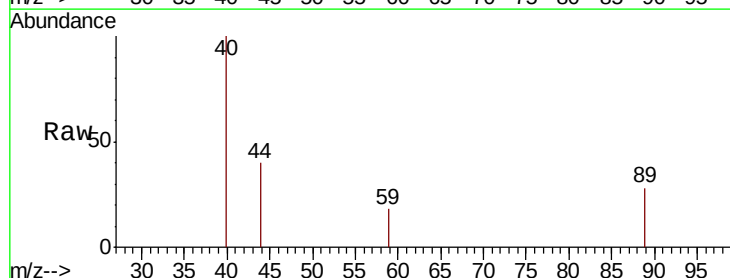
Acq: 11 Jun 2019 2:40

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.76

250

200

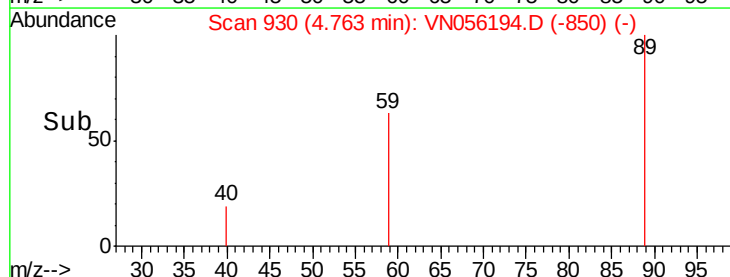
150

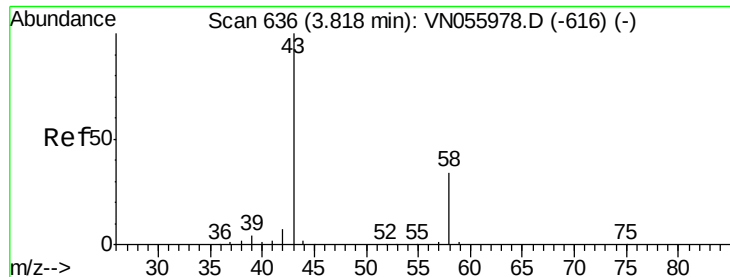
100

50

0

Time-->





#16

Acetone

Concen: 0.259 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

Instrument :

MSVOA_N

ClientSampleId :

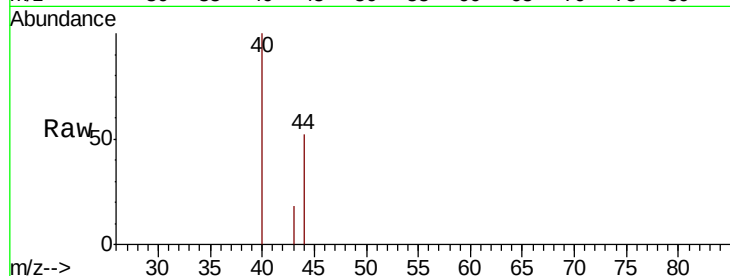
RE122D2-20190604DL

Tot Ion: 43 Resp: 369

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

250

200

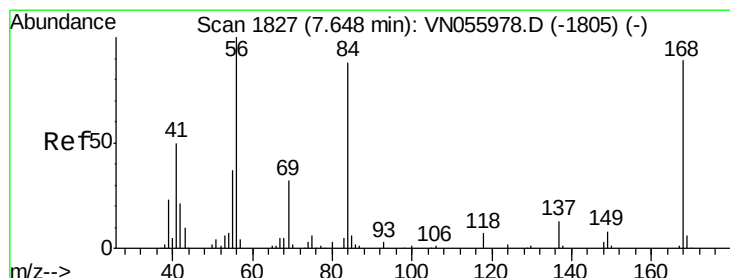
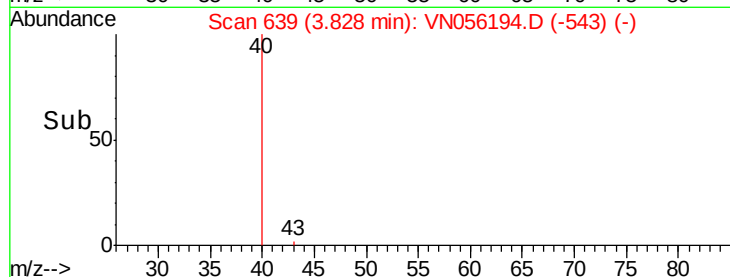
150

100

50

0

Time--> 3.78 3.80 3.82 3.84



#31

Cyclohexane

Concen: 0.857 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

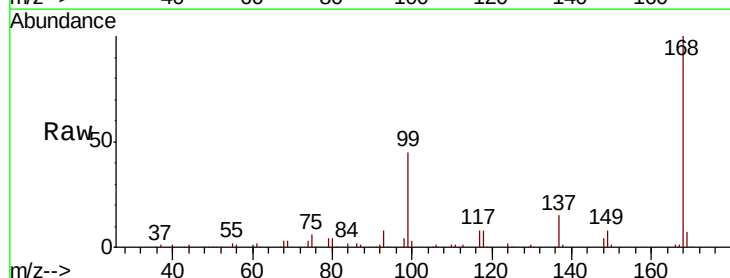
Tgt Ion: 56 Resp: 4046

Ion Ratio Lower Upper

56 100

69 186.2 25.6 38.4#

84 153.4 67.4 101.0#



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

4000

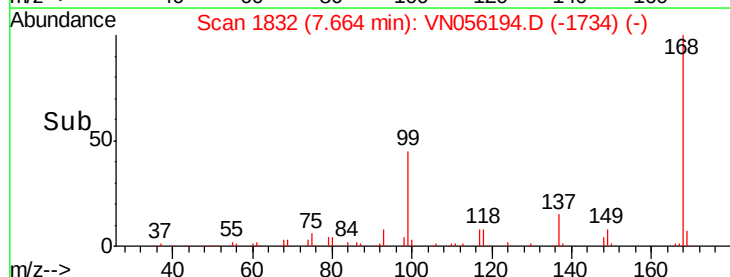
3000

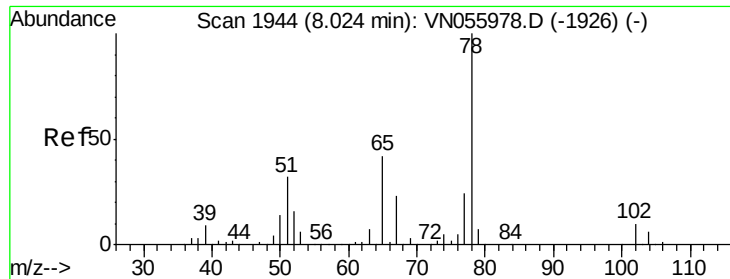
2000

1000

0

Time--> 7.60 7.65 7.70

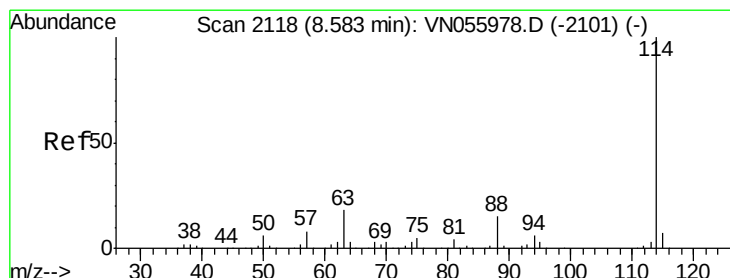
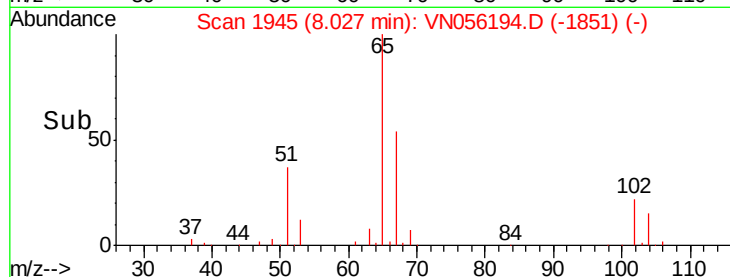
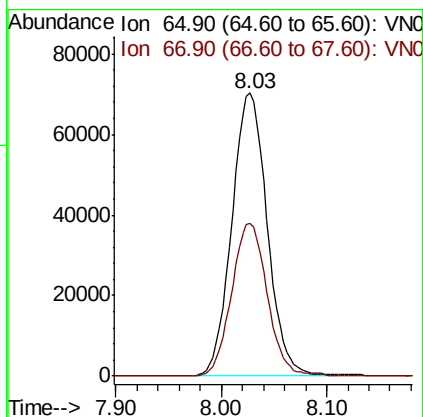
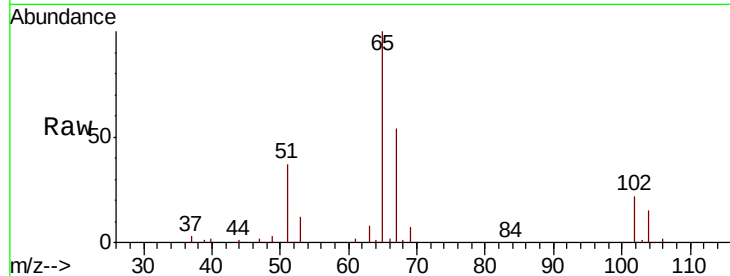




#33
 1,2-Dichloroethane-d4
 Concen: 55.062 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056194.D
 Acq: 11 Jun 2019 2:40

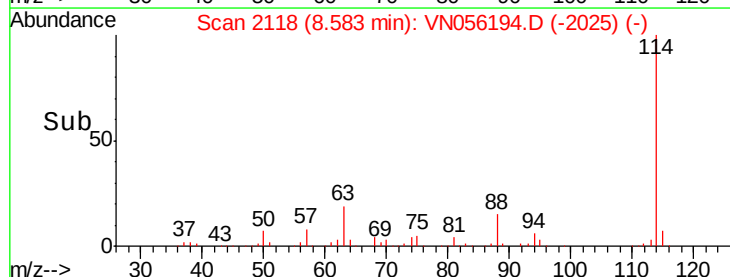
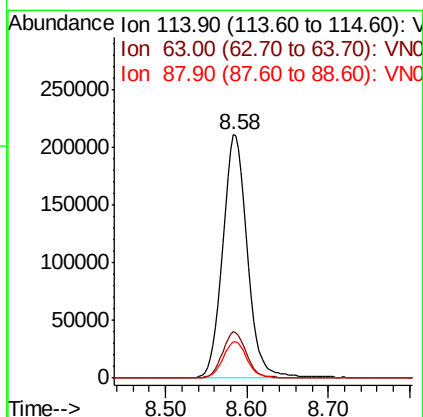
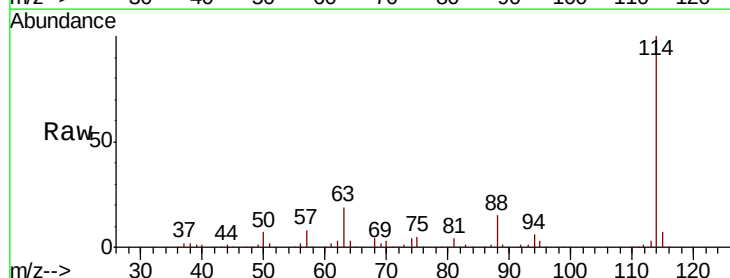
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20190604DL

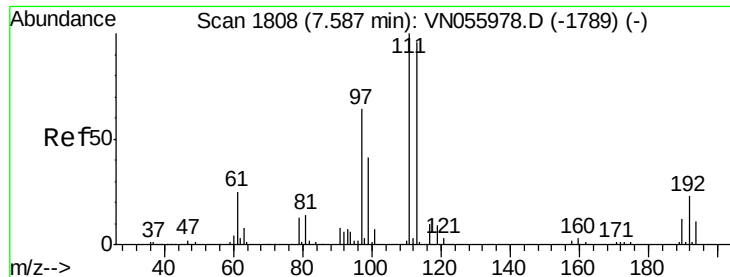
Tot Ion: 65 Resp: 163794
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056194.D
 Acq: 11 Jun 2019 2:40

Tgt Ion: 114 Resp: 452494
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 14.9 0.0 31.0

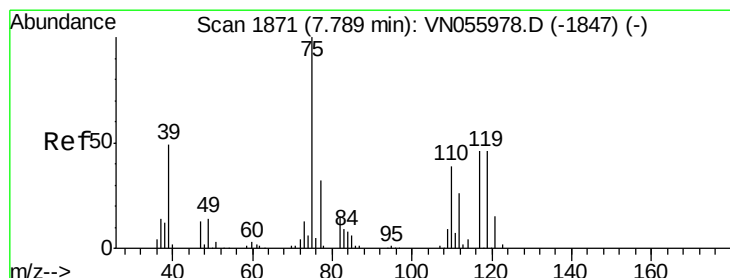
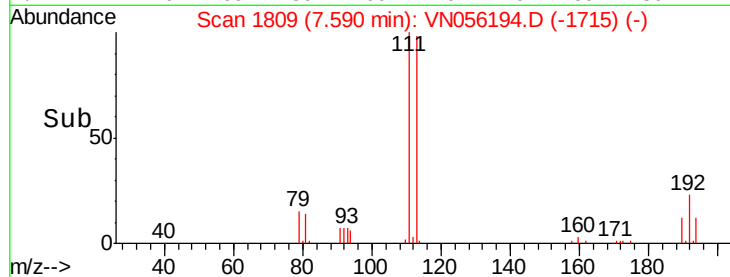
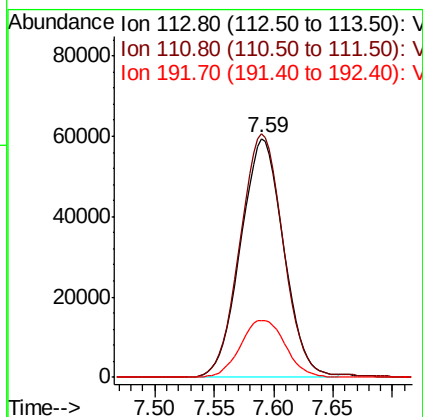
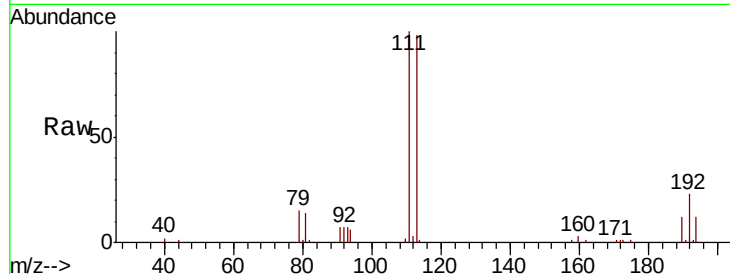




#35
 Dibromofluoromethane
 Concen: 53.565 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056194.D
 Acq: 11 Jun 2019 2:40

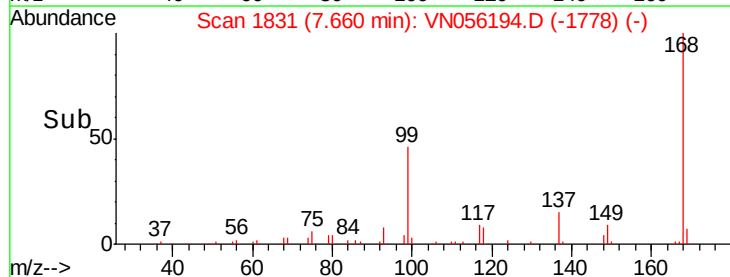
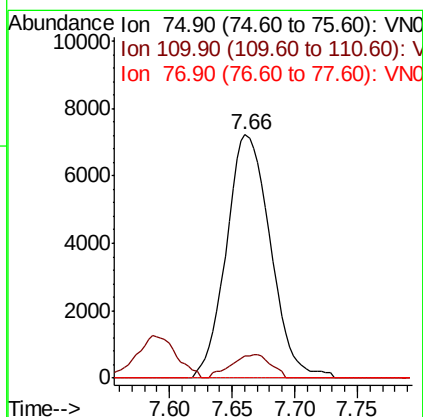
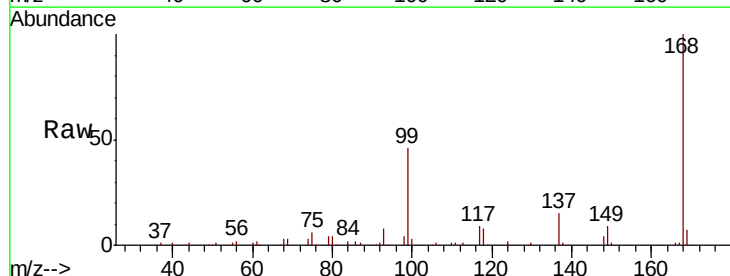
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20190604DL

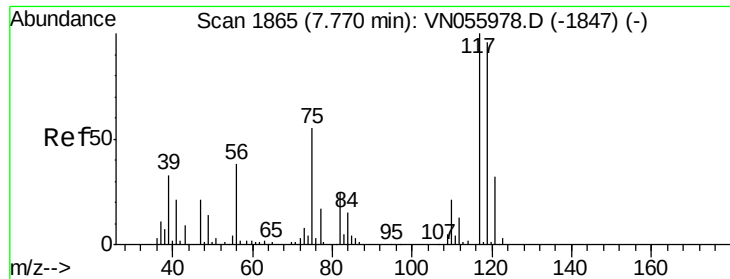
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	24.9	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.537 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056194.D
 Acq: 11 Jun 2019 2:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.0	57.0#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 6.833 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20190604DL

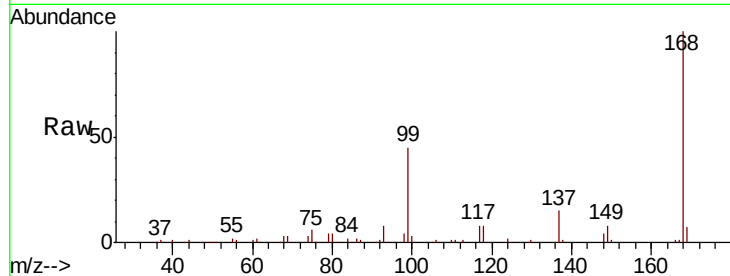
Tot Ion:117 Resp: 24510

Ion Ratio Lower Upper

117 100

119 5.3 79.0 118.6#

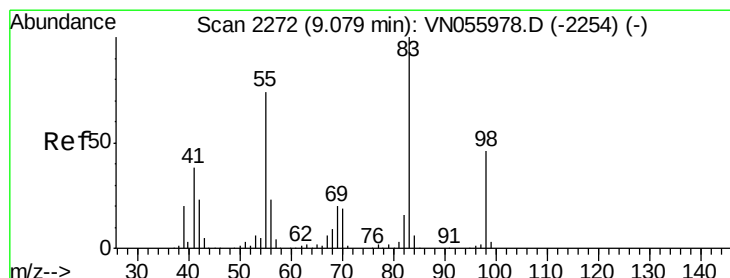
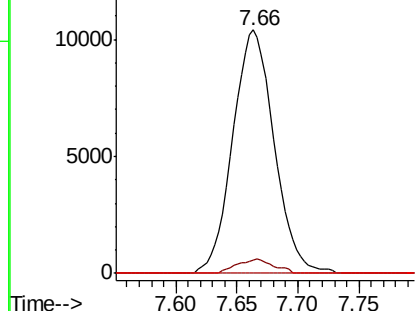
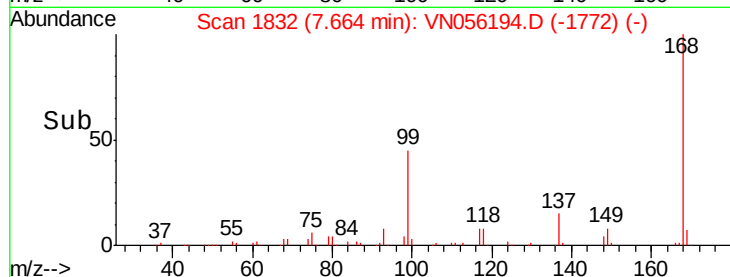
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.221 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

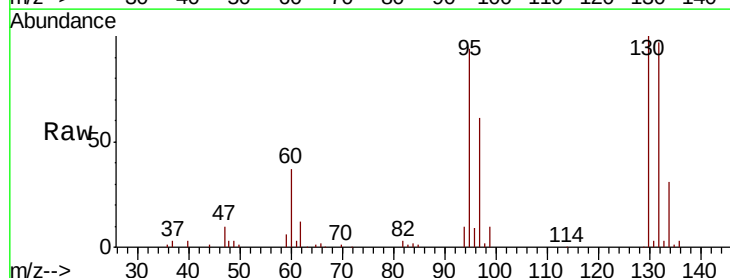
Tgt Ion: 83 Resp: 1073

Ion Ratio Lower Upper

83 100

55 0.0 59.3 88.9#

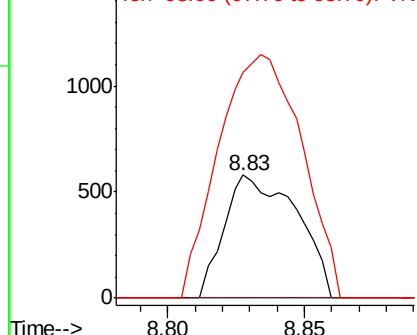
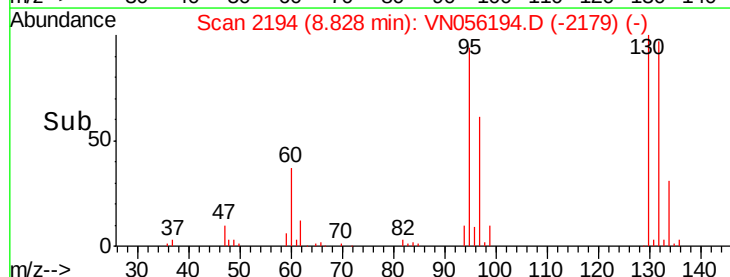
98 183.8 36.6 54.8#

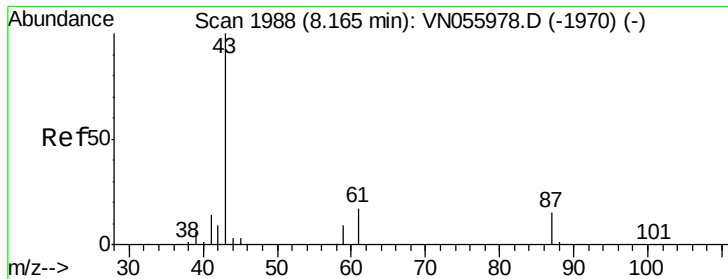


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#43

Isopropyl Acetate

Concen: 0.318 ug/l

RT: 8.32 min Scan# 2036

Delta R.T. 0.15 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20190604DL

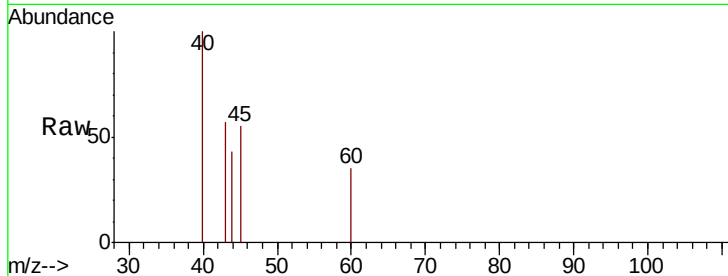
Tot Ion: 43 Resp: 1782

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 11.4 17.2#

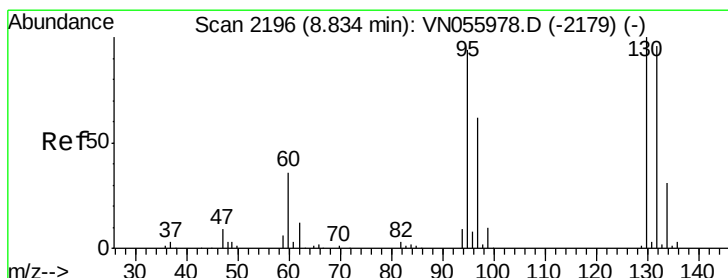
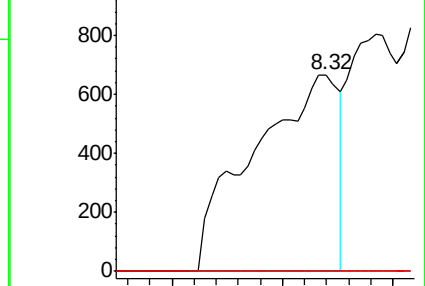
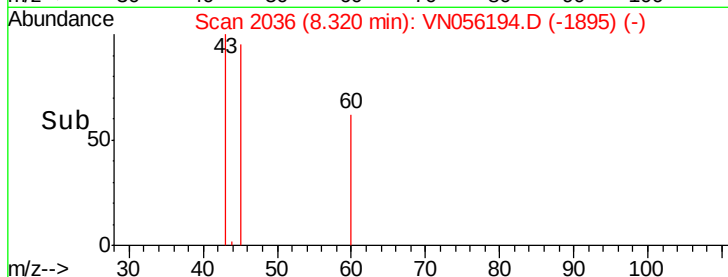


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

Time-->



#44

Trichloroethene

Concen: 31.769 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056194.D

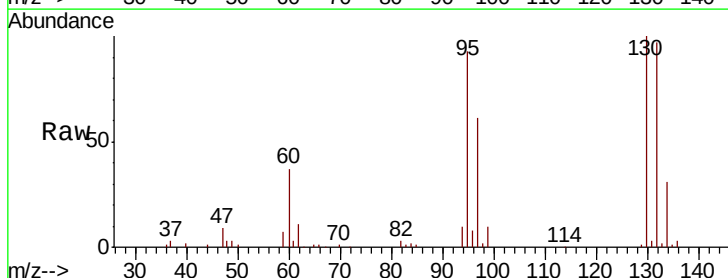
Acq: 11 Jun 2019 2:40

Tgt Ion: 130 Resp: 107877

Ion Ratio Lower Upper

130 100

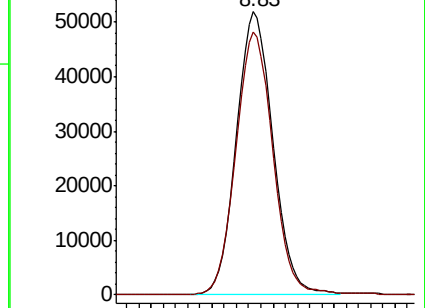
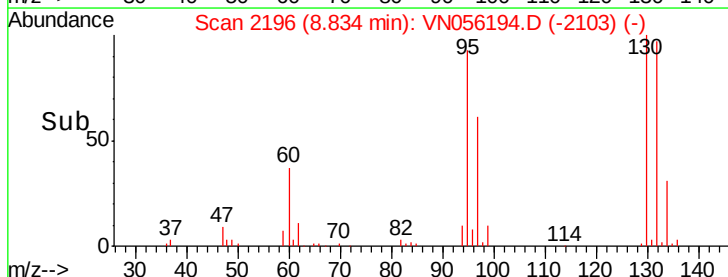
95 92.8 0.0 188.0

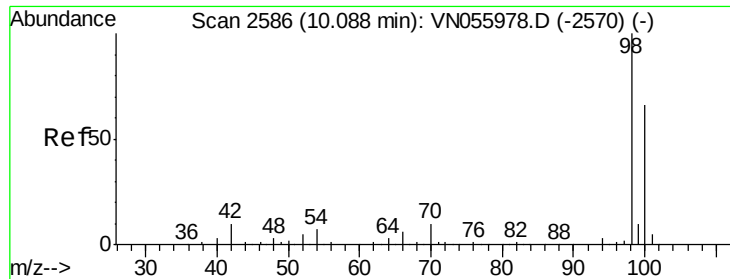


Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

Time-->





#50

Toluene-d8

Concen: 55.097 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

Instrument :

MSVOA_N

ClientSampleId :

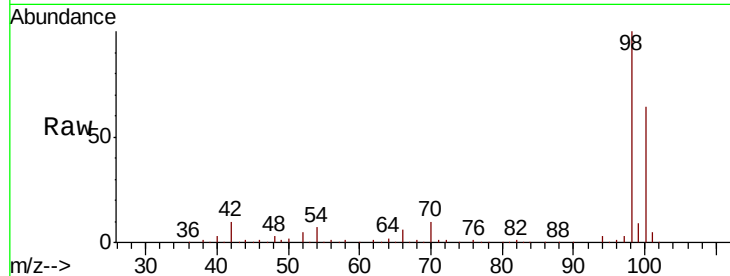
RE122D2-20190604DL

Tot Ion: 98 Resp: 588594

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

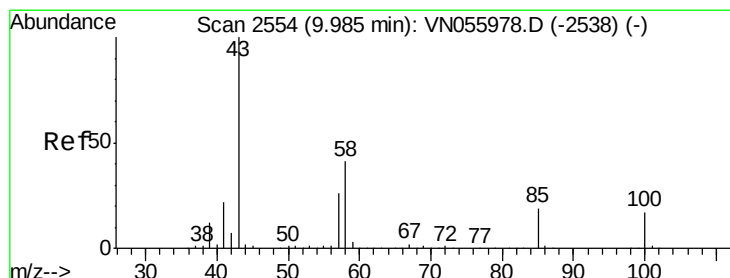
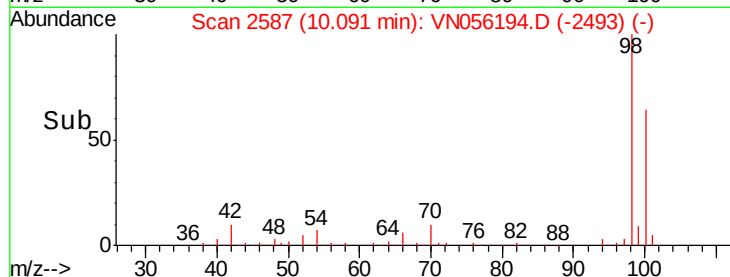
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.647 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN056194.D

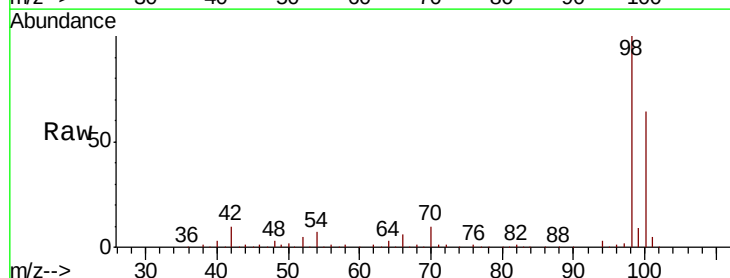
Acq: 11 Jun 2019 2:40

Tgt Ion: 43 Resp: 2270

Ion Ratio Lower Upper

43 100

58 180.6 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

2500

2000

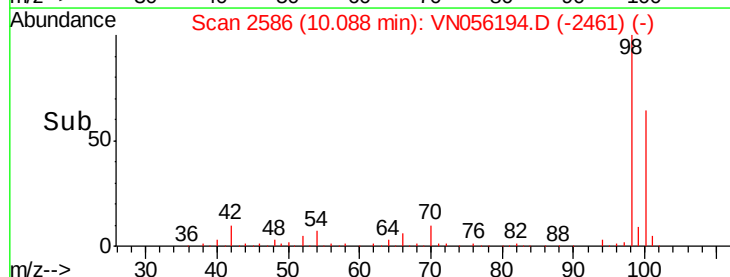
1500

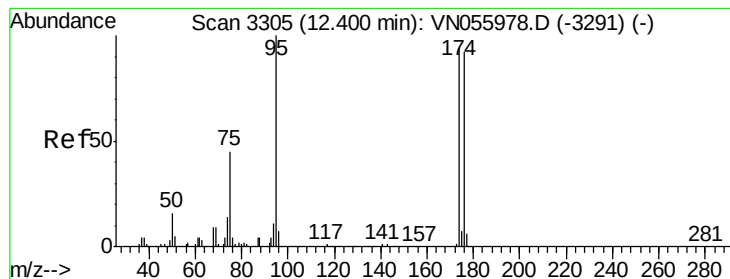
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.766 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20190604DL

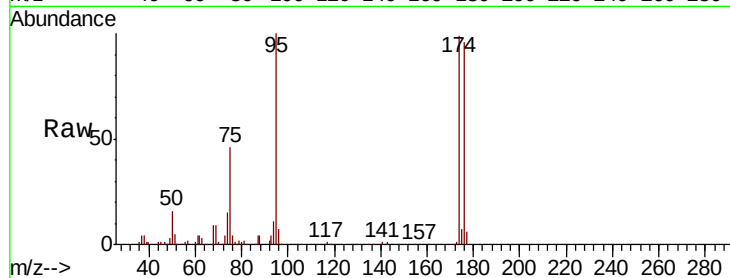
Tot Ion: 95 Resp: 180797

Ion Ratio Lower Upper

95 100

174 99.2 0.0 191.0

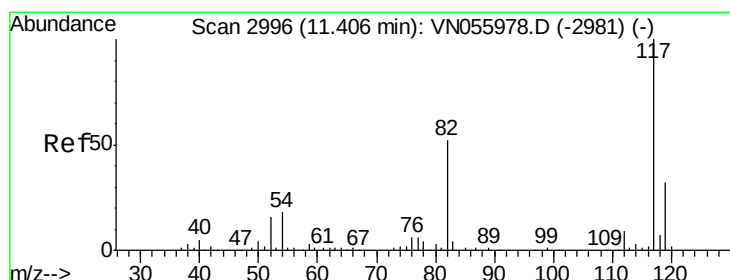
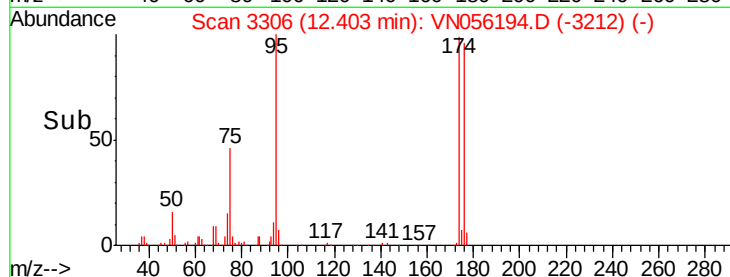
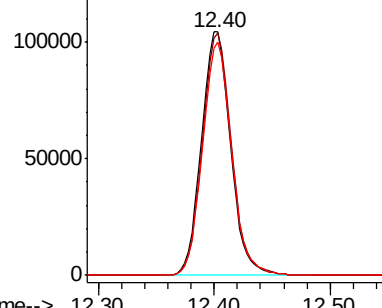
176 95.2 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

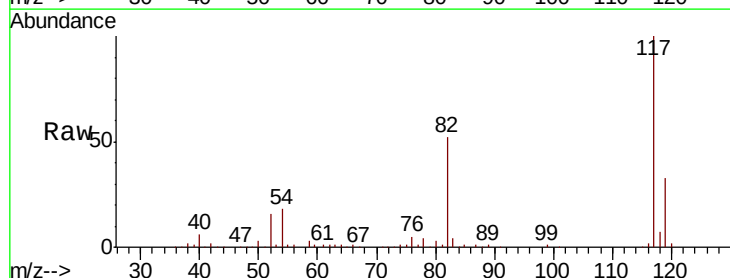
Tgt Ion: 117 Resp: 439438

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

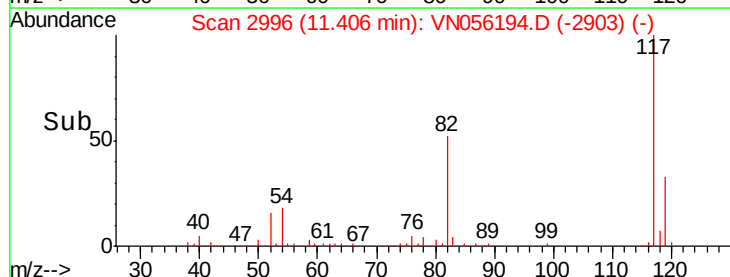
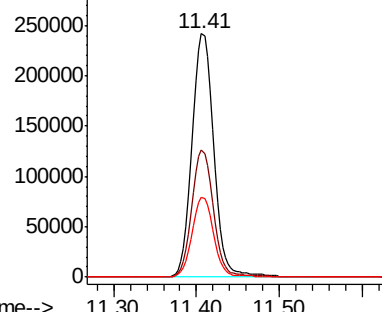
119 32.9 25.4 38.0

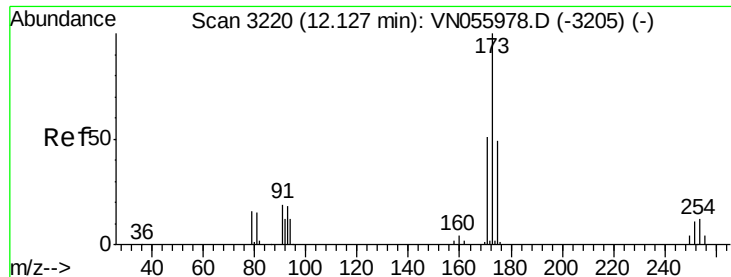


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

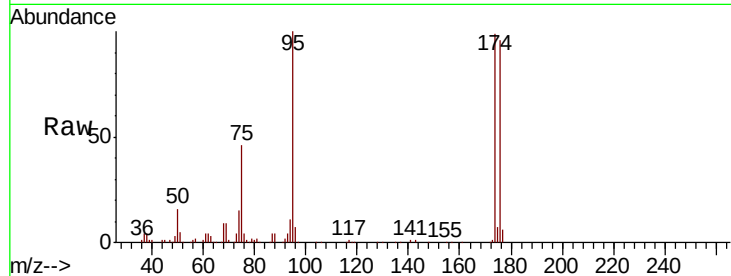




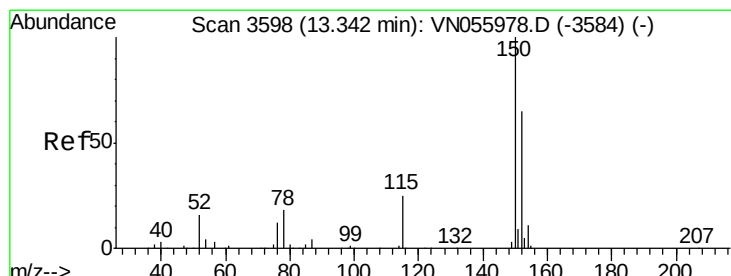
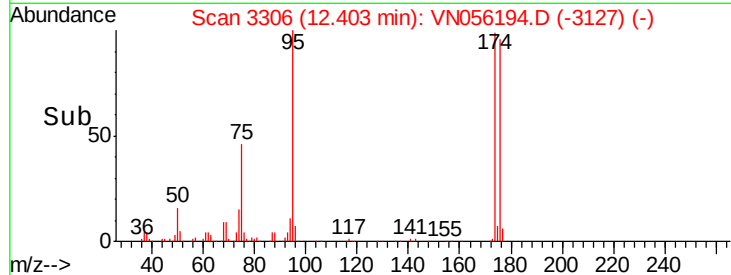
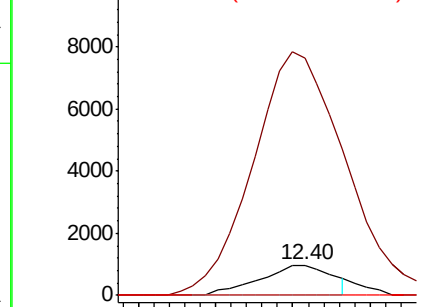
#71
Bromoform
Concen: 3.211 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056194.D
Acq: 11 Jun 2019 2:40

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20190604DL

Tot Ion:173 Resp: 1258
Ion Ratio Lower Upper
173 100
175 887.6 24.3 72.8#
254 0.0 0.0 0.0

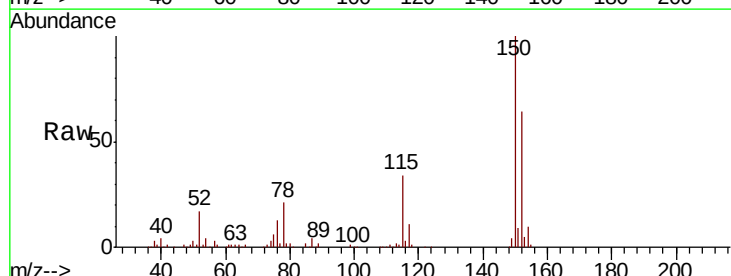


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

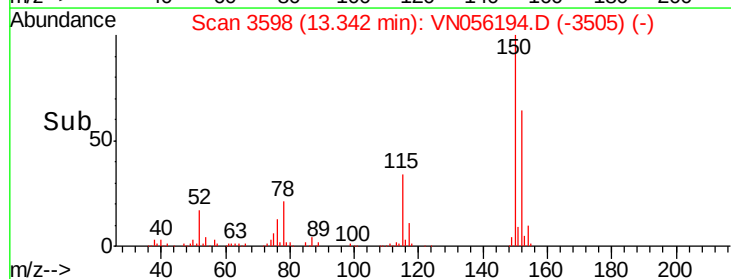
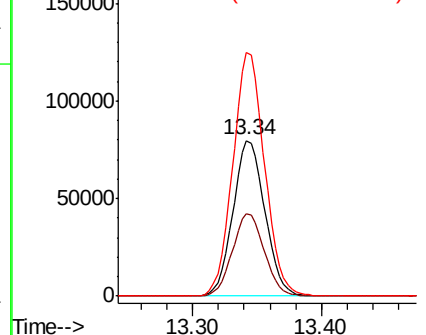


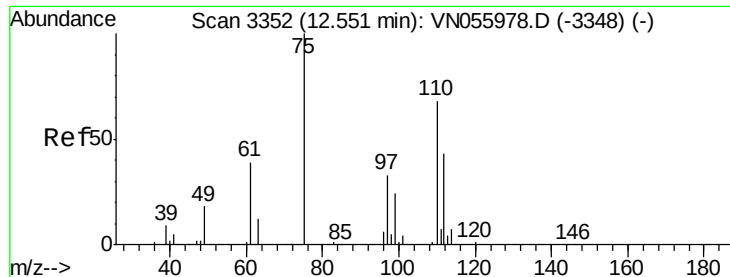
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056194.D
Acq: 11 Jun 2019 2:40

Tgt Ion:152 Resp: 136855
Ion Ratio Lower Upper
152 100
115 52.8 27.0 81.0
150 155.5 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

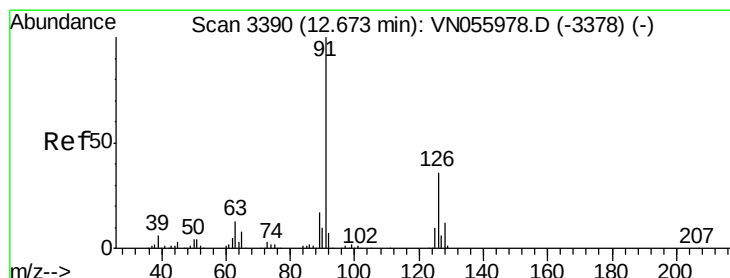
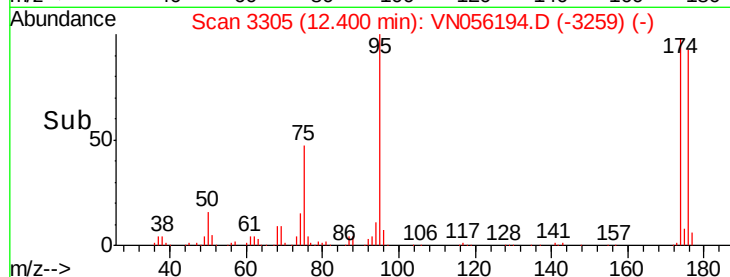
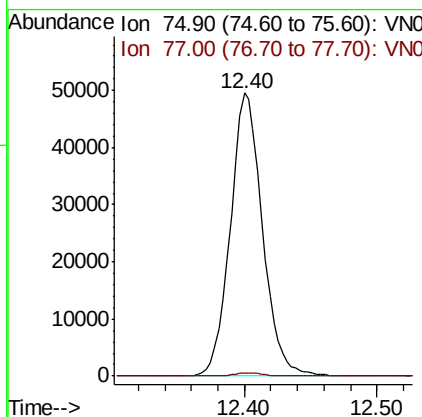
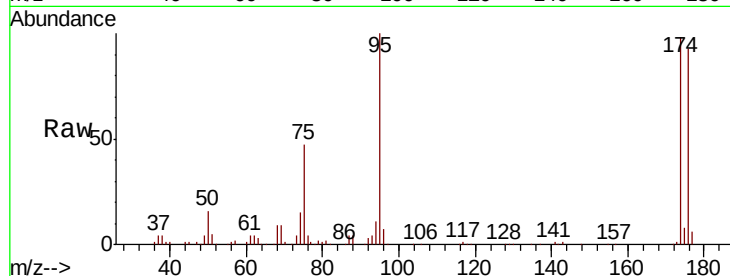




#76
 1,2,3-Trichloropropane
 Concen: 33.070 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056194.D
 Acq: 11 Jun 2019 2:40

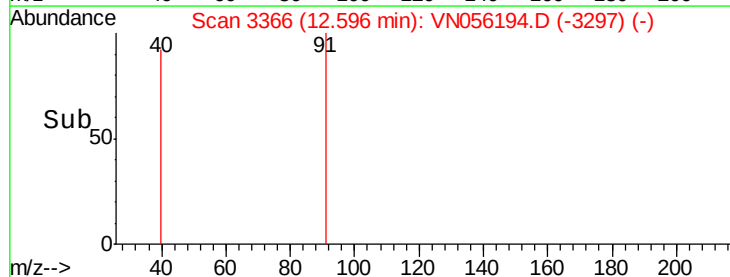
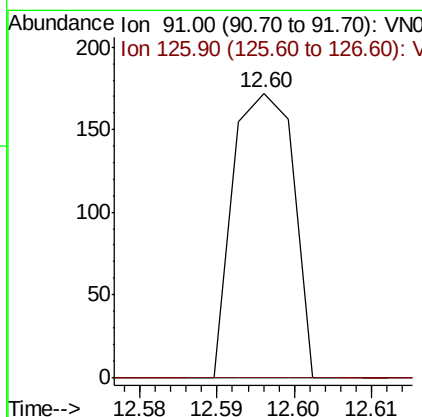
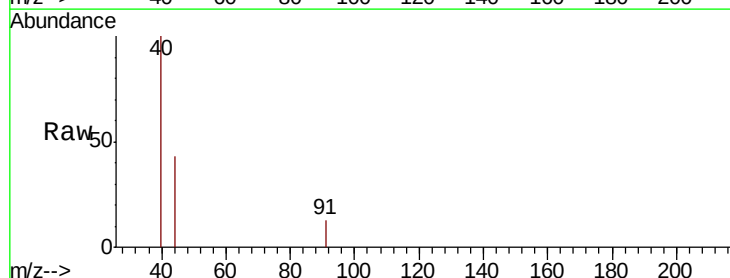
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20190604DL

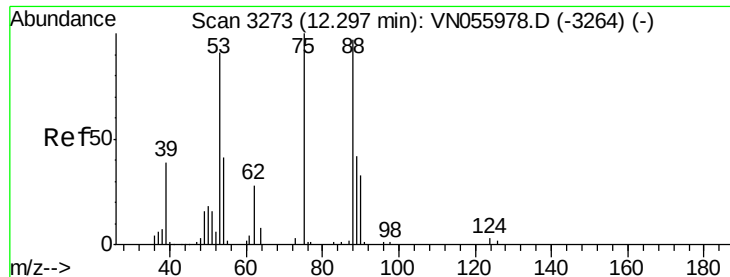
Tot Ion: 75 Resp: 83276
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.60 min Scan# 3366
 Delta R.T. -0.08 min
 Lab File: VN056194.D
 Acq: 11 Jun 2019 2:40

Tgt Ion: 91 Resp: 93
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 110.129 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20190604DL

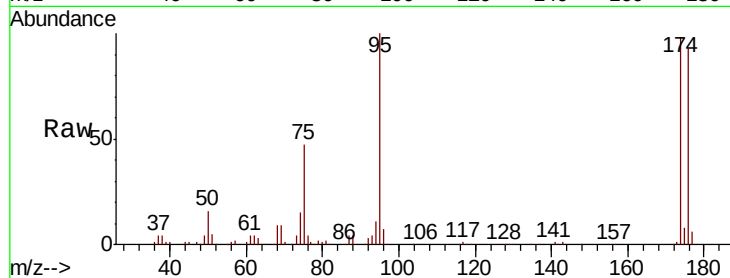
Tot Ion: 75 Resp: 83276

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

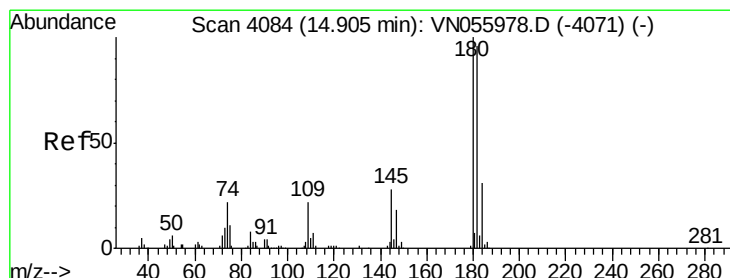
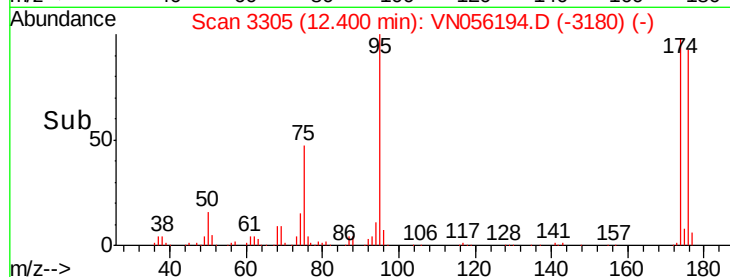
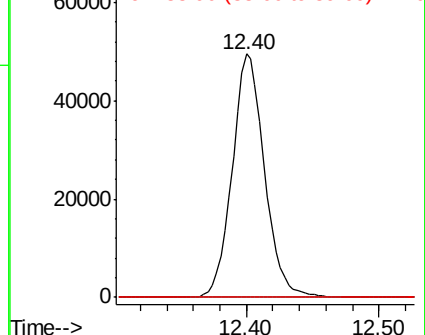
89 0.0 36.9 55.3#



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



#93

1,2,4-Trichlorobenzene

Concen: 4.281 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

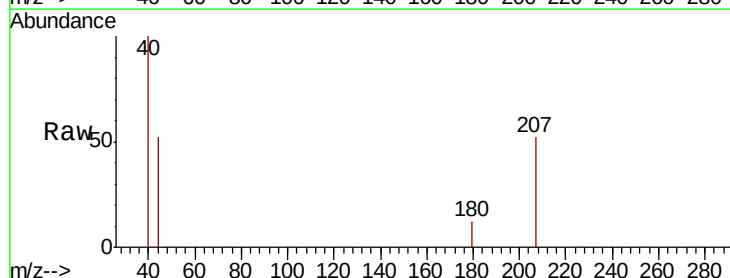
Tgt Ion:180 Resp: 30

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.9#

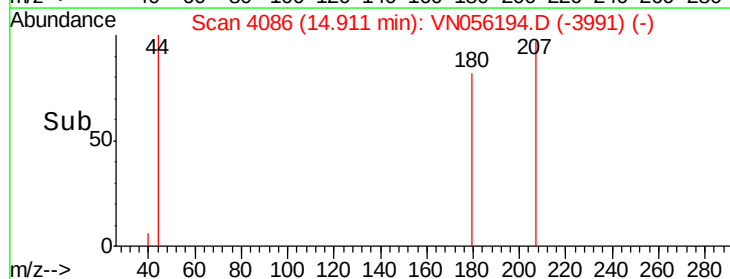
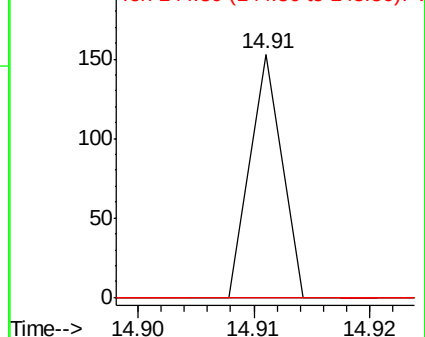
145 0.0 14.0 41.9#

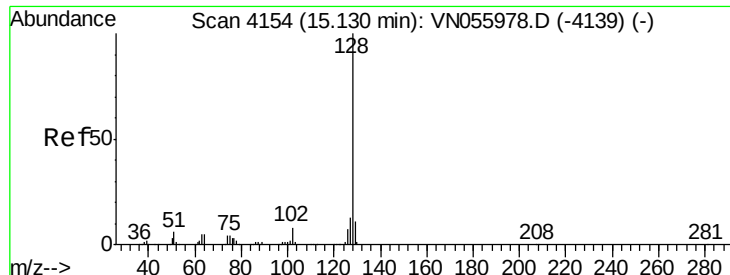


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.999 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056194.D

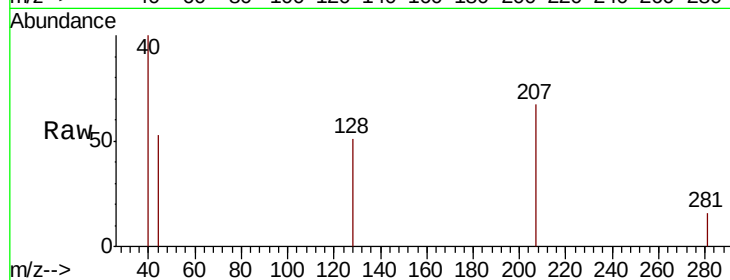
Acq: 11 Jun 2019 2:40

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20190604DL



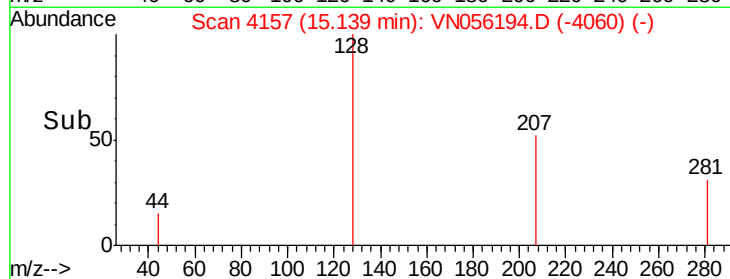
Tot Ion:128 Resp: 1050

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 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

