

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 :

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

33) 1,2-Dichloroethane-d4	8.03	65	163794	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	7.59	113	148707	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
50) Toluene-d8	10.09	98	588594	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
62) 4-Bromofluorobenzene	12.40	95	180797	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds

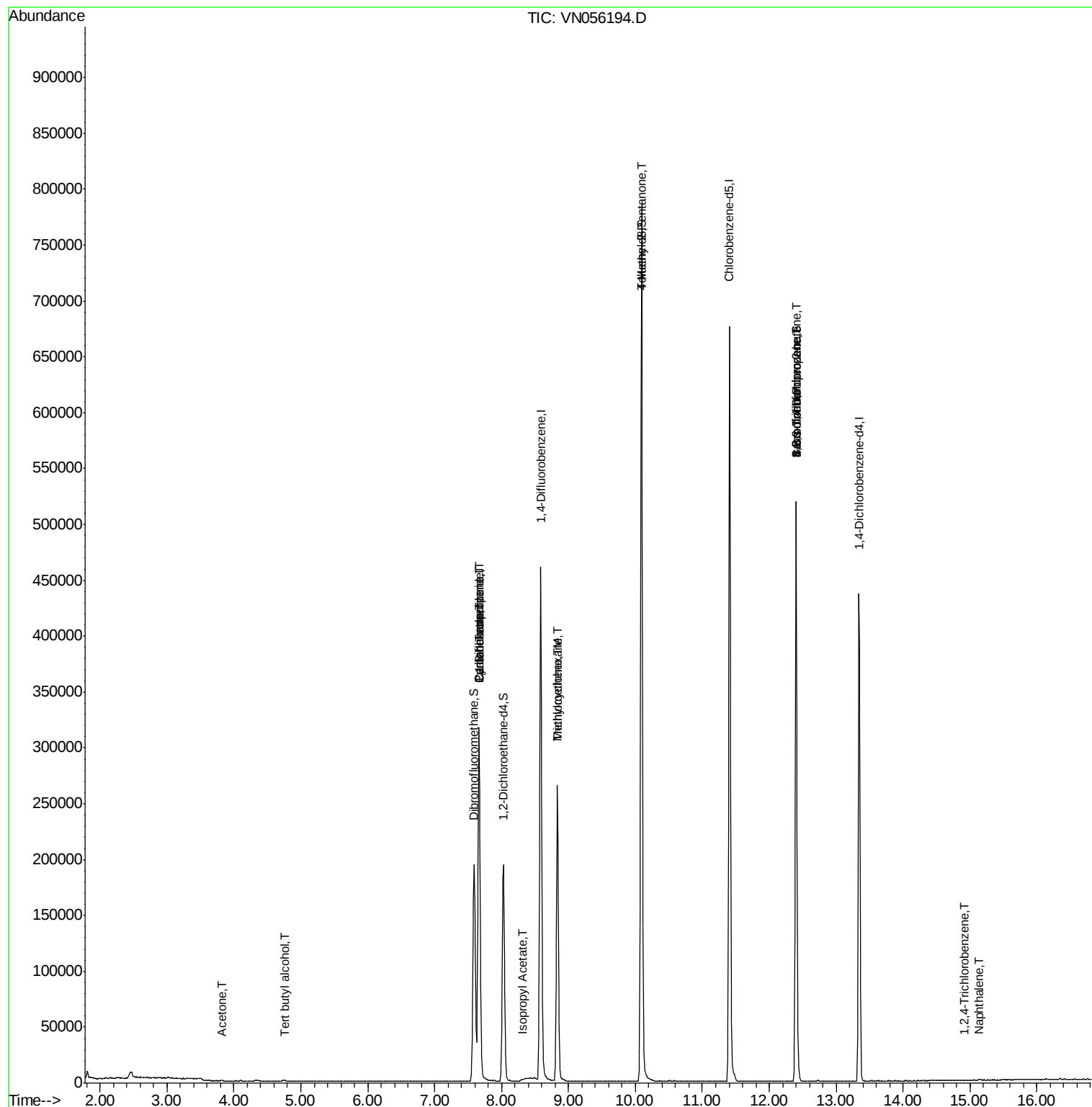
					Qvalue	
11) Tert butyl alcohol	4.76	59	155	0.299	ug/l #	74
16) Acetone	3.83	43	369	0.259	ug/l #	41
18) Methyl Acetate	4.33	43	1363	Below Cal	#	60
31) Cyclohexane	7.66	56	4046	0.857	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17652	4.537	ug/l #	48
38) Carbon Tetrachloride	7.66	117	24510	6.833	ug/l #	15
39) 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

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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

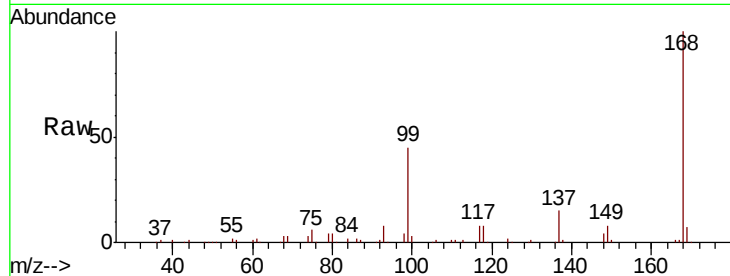
ClientSampleId :

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

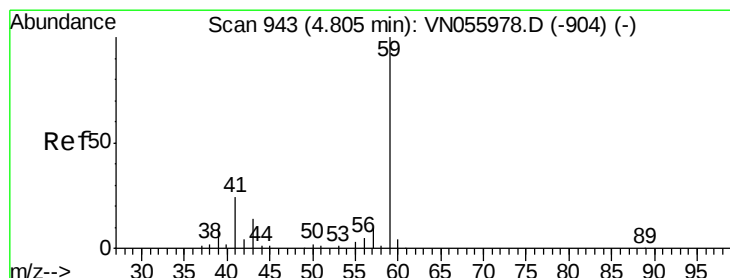
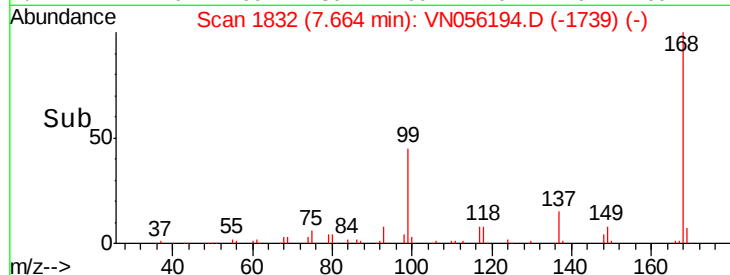
100000

50000

0

Time-->

7.60 7.70 7.80



#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

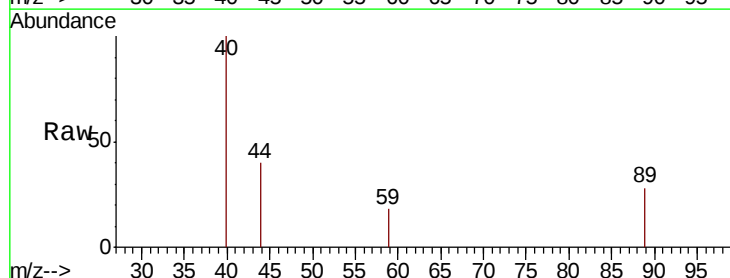
Acq: 11 Jun 2019 2:40

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

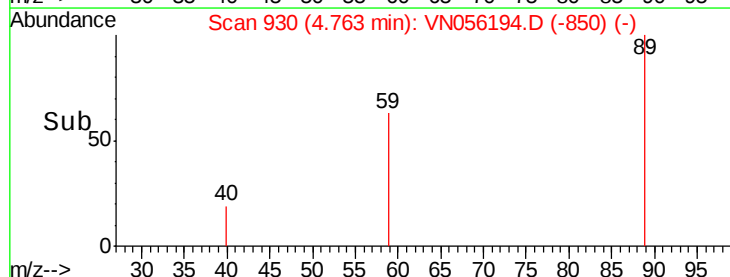
100

50

0

Time-->

4.75 4.76 4.77 4.78





#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

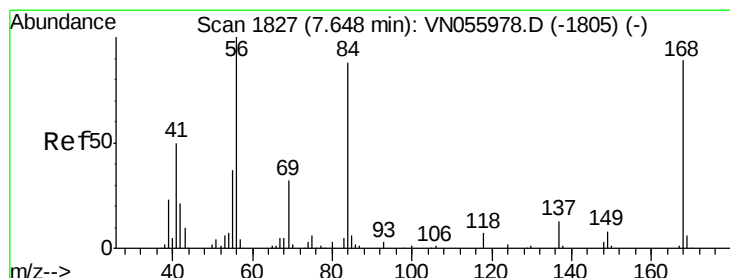
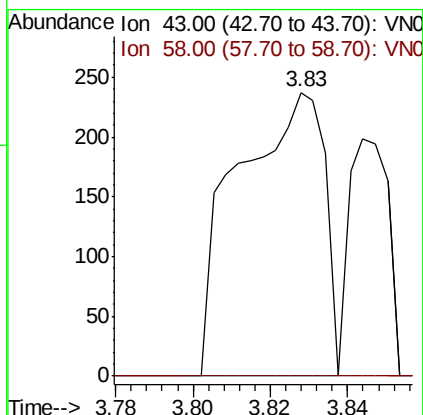
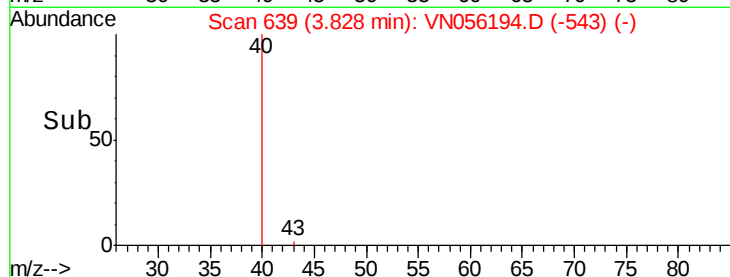
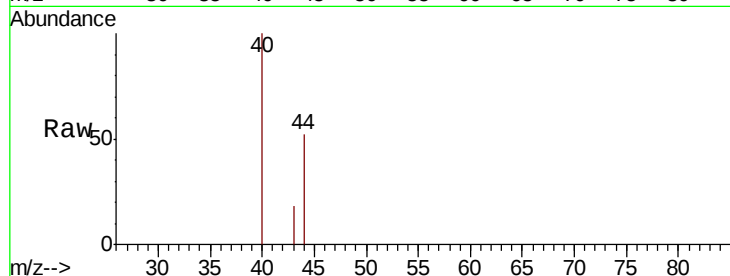
ClientSampled :

Tot Ion: 43 Resp: 369

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#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

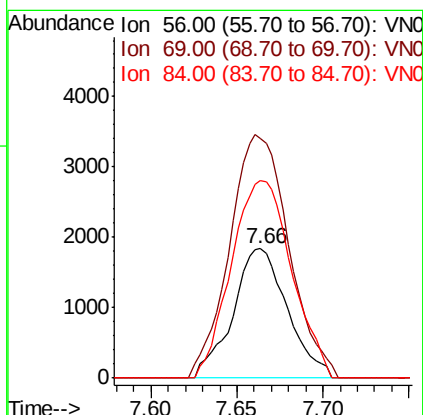
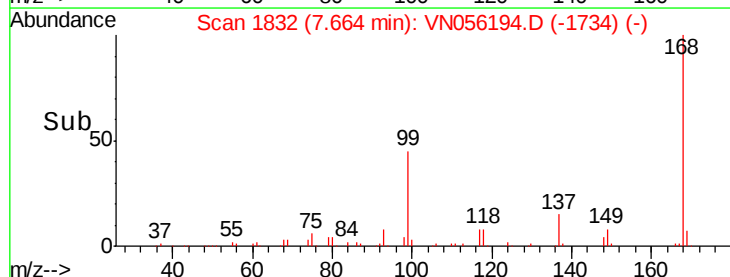
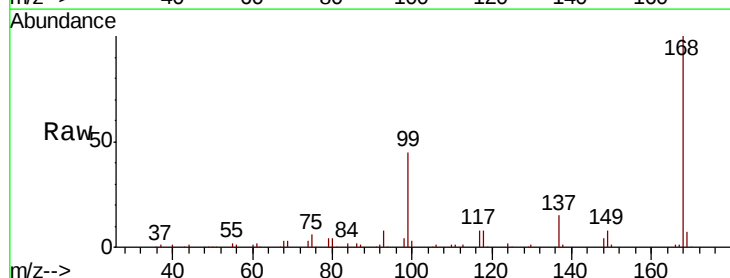
Tgt Ion: 56 Resp: 4046

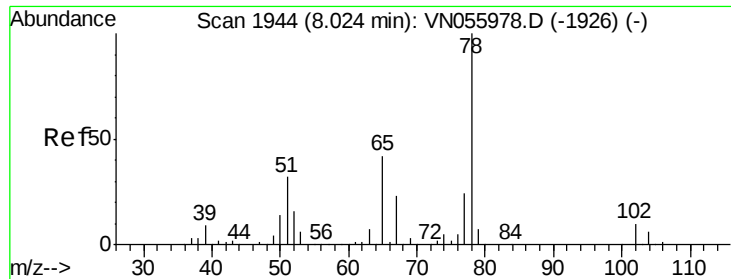
Ion Ratio Lower Upper

56 100

69 186.2 25.6 38.4#

84 153.4 67.4 101.0#

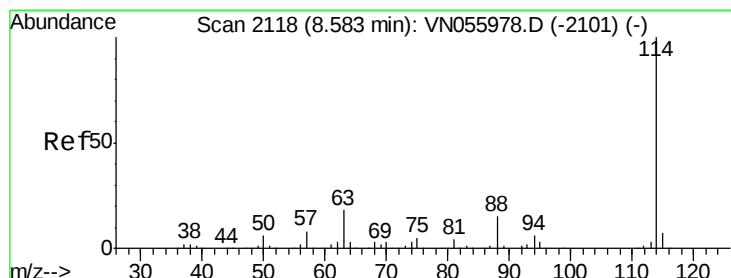
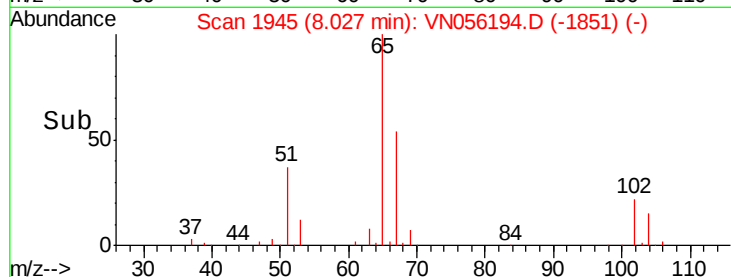
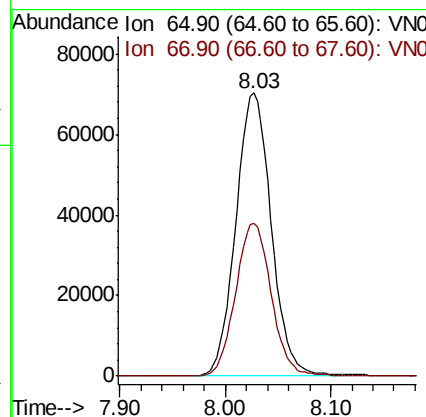
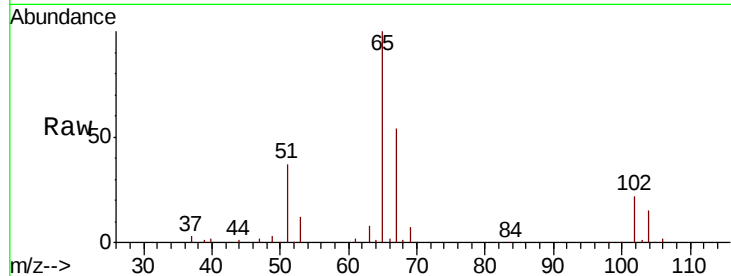




#33
 1,2-Dichloroethane-d4
 Concen: 55.062 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056194.D
 Acq: 11 Jun 2019 2:40

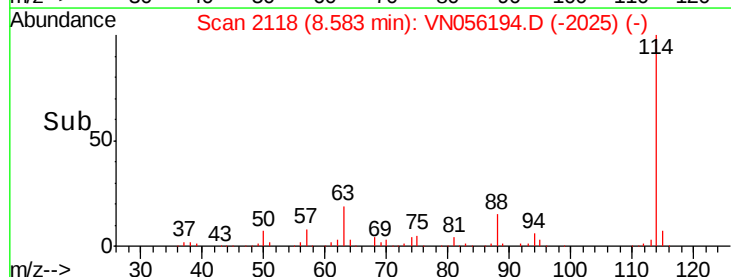
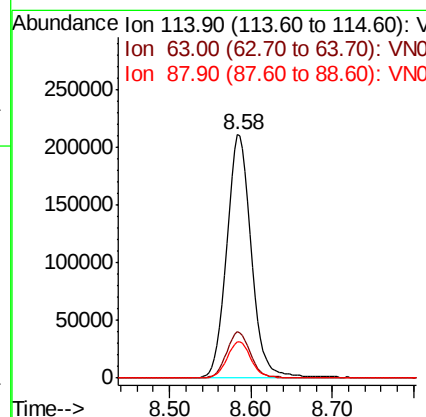
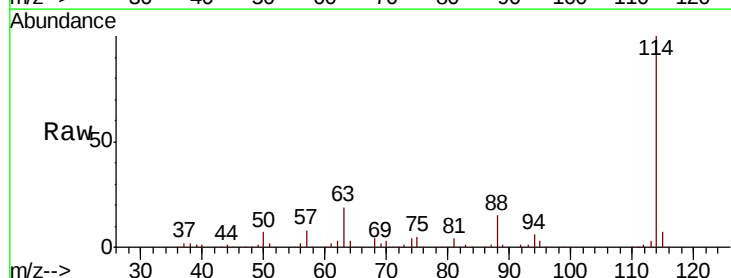
Instrument :
 MSVOA_N
 ClientSampleId :

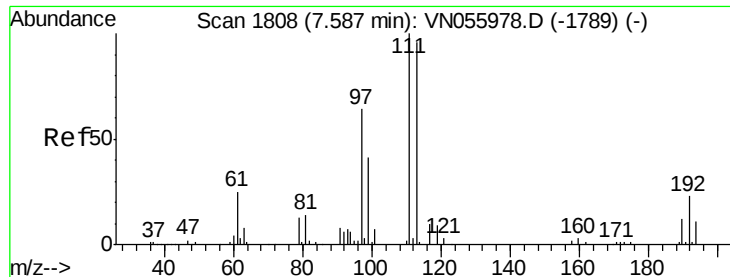
Tot Ion: 65 Resp: 163794
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#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 :

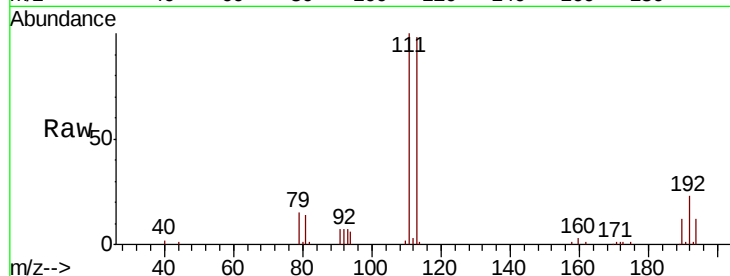
Tot Ion:113 Resp: 148707

Ion Ratio Lower Upper

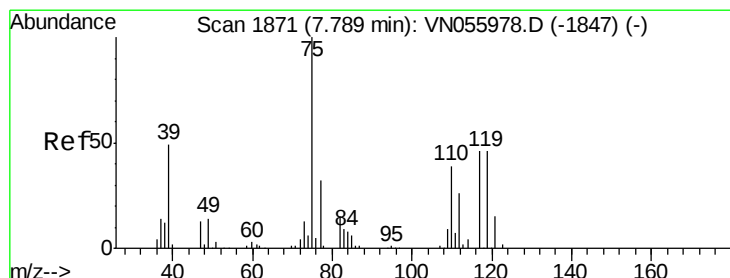
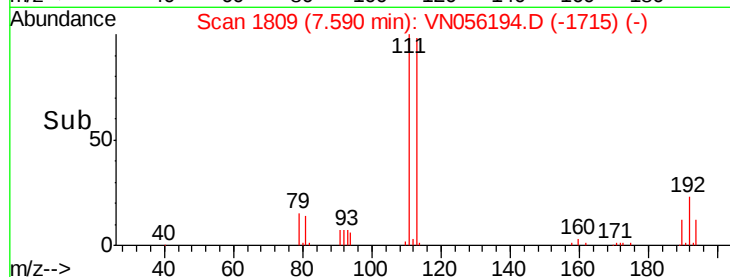
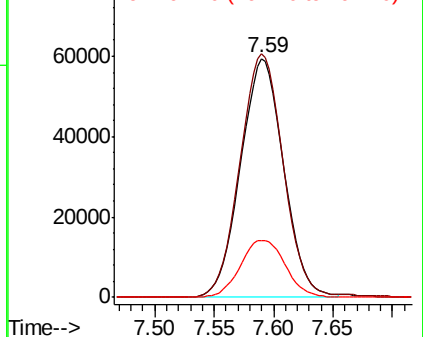
113 100

111 103.4 81.9 122.9

192 24.9 19.5 29.3



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: 4.537 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

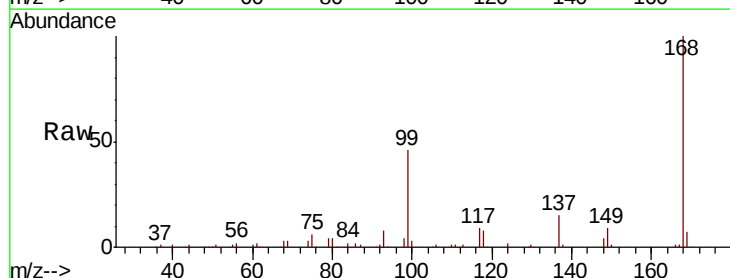
Tgt Ion: 75 Resp: 17652

Ion Ratio Lower Upper

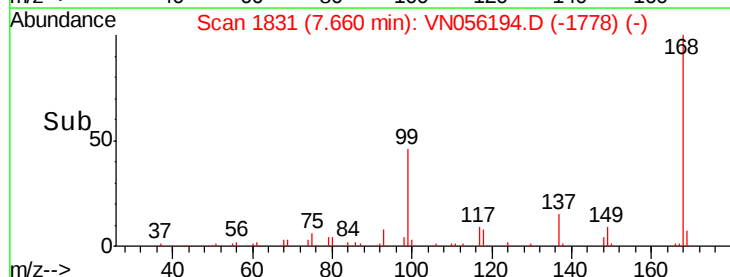
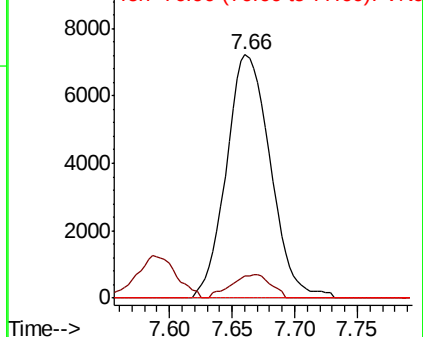
75 100

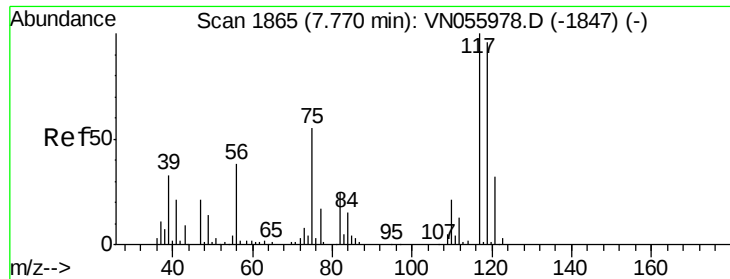
110 8.6 19.0 57.0#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

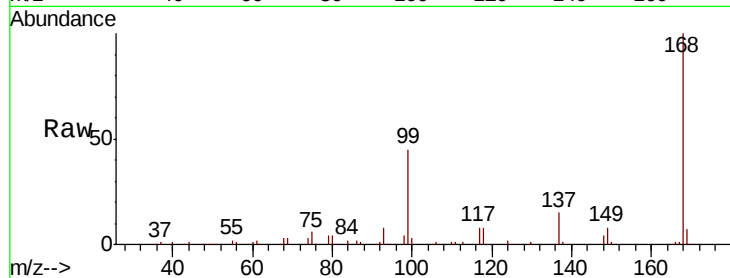




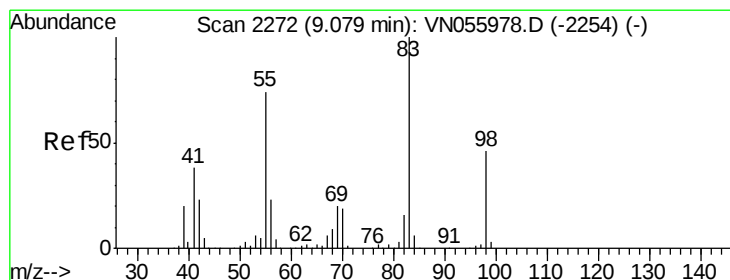
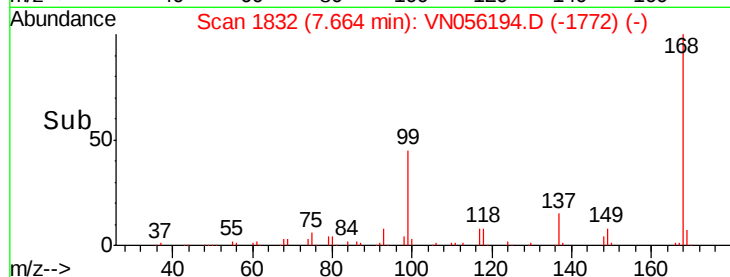
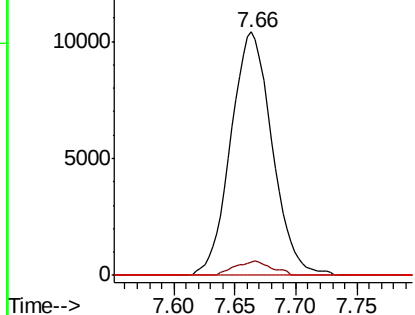
#38
Carbon Tetrachloride
Concen: 6.833 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056194.D
Acq: 11 Jun 2019 2:40

Instrument :
MSVOA_N
ClientSampled :

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#

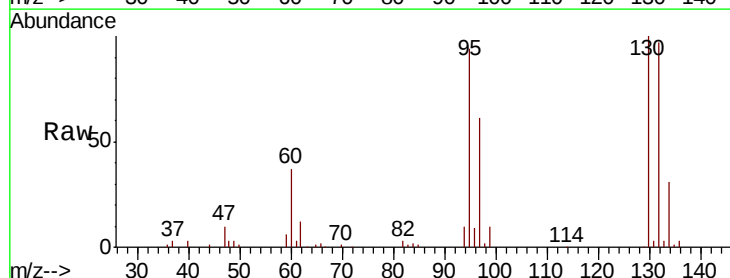


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

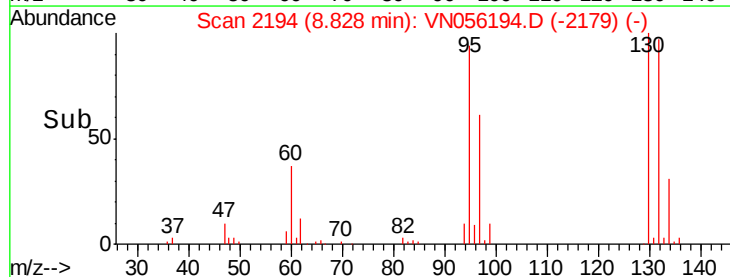
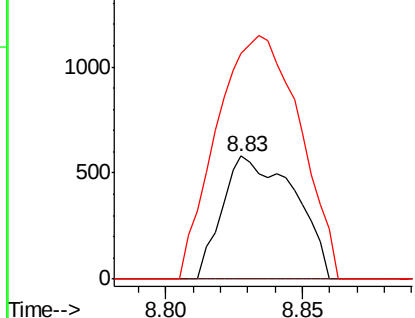


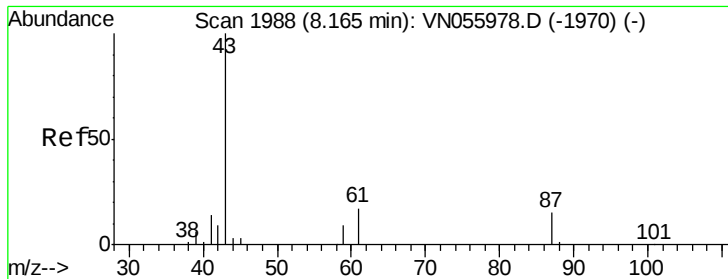
#39
Methylcyclohexane
Concen: 0.221 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VN056194.D
Acq: 11 Jun 2019 2:40

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): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#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

ClientSampled :

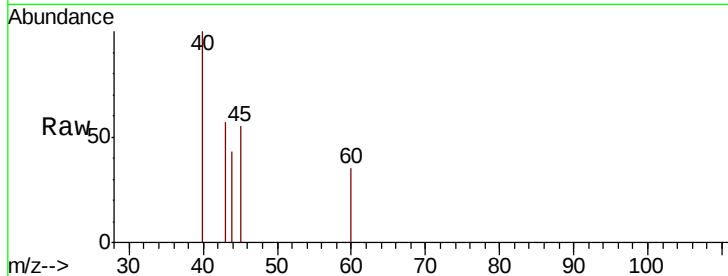
Tot Ion: 43 Resp: 1782

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

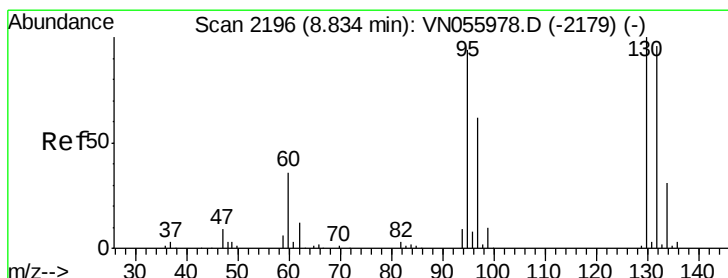
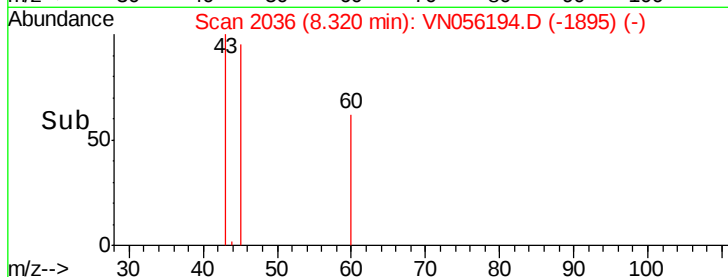
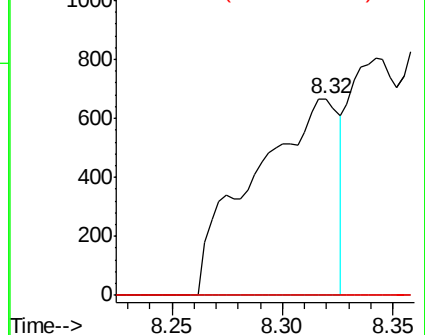
87 0.0 11.4 17.2#



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) (-)



#44

Trichloroethene

Concen: 31.769 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056194.D

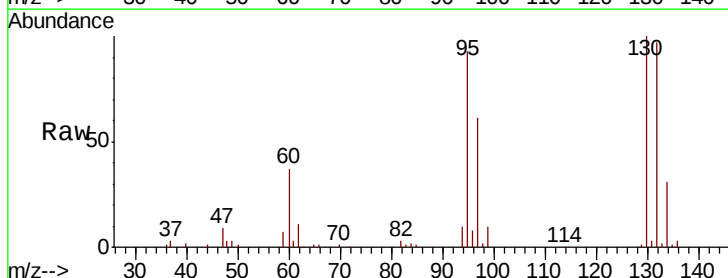
Acq: 11 Jun 2019 2:40

Tgt Ion: 130 Resp: 107877

Ion Ratio Lower Upper

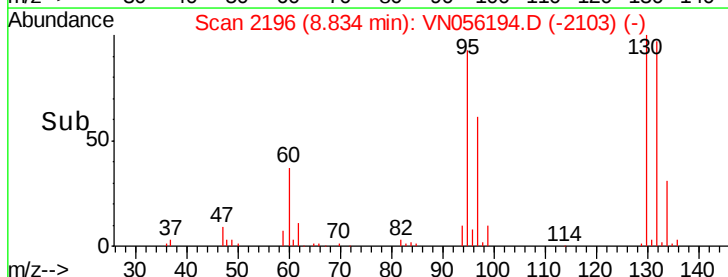
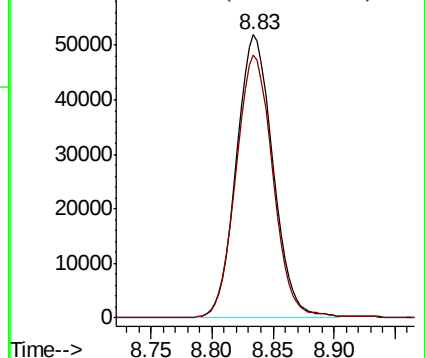
130 100

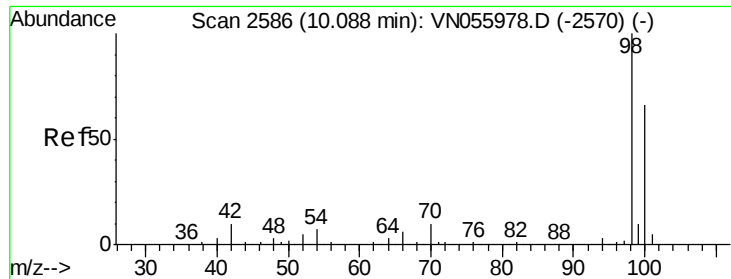
95 92.8 0.0 188.0



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

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





#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

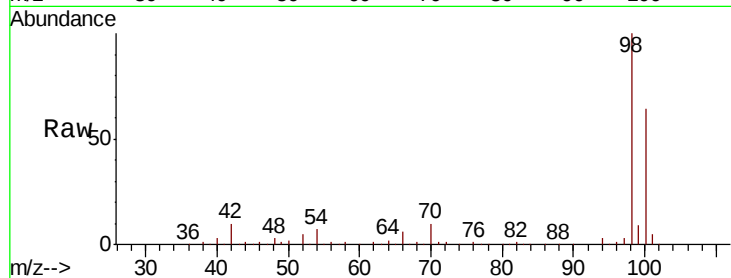
ClientSampleId :

Tot Ion: 98 Resp: 588594

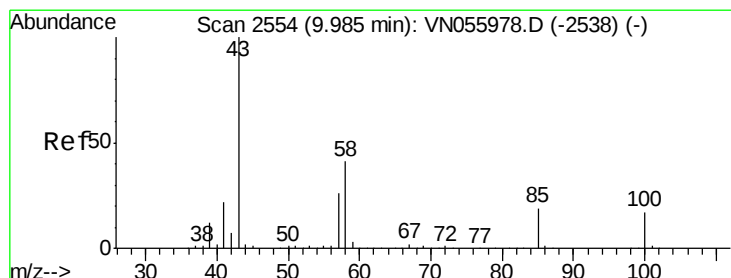
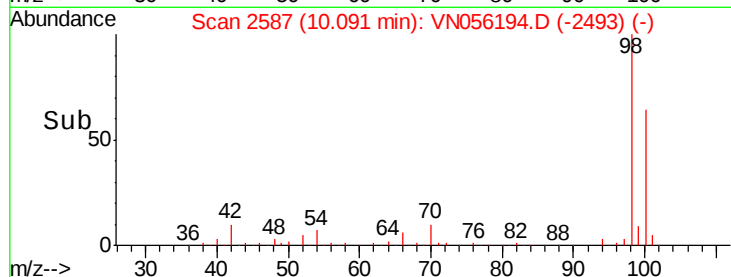
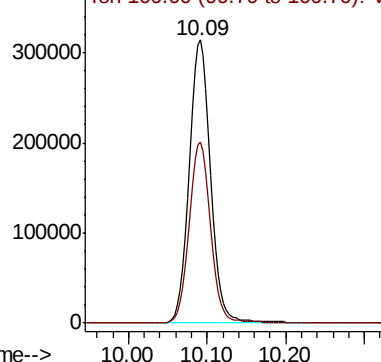
Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



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



#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

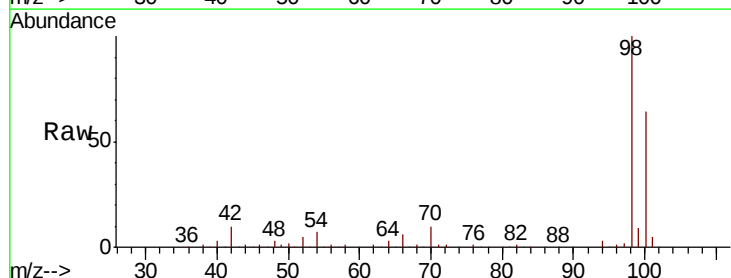
Acq: 11 Jun 2019 2:40

Tgt Ion: 43 Resp: 2270

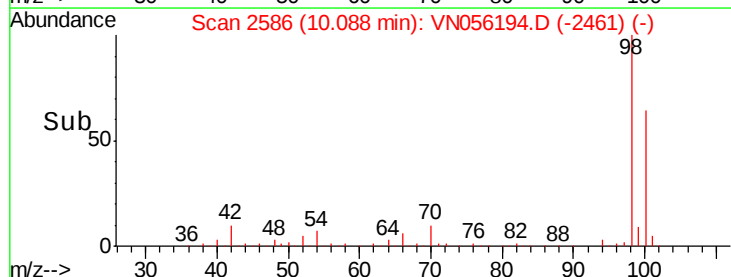
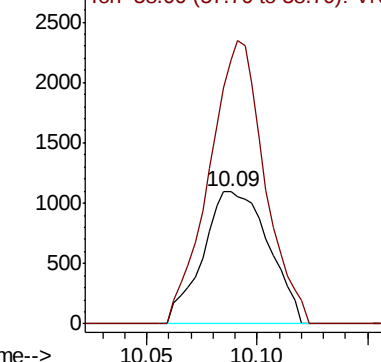
Ion Ratio Lower Upper

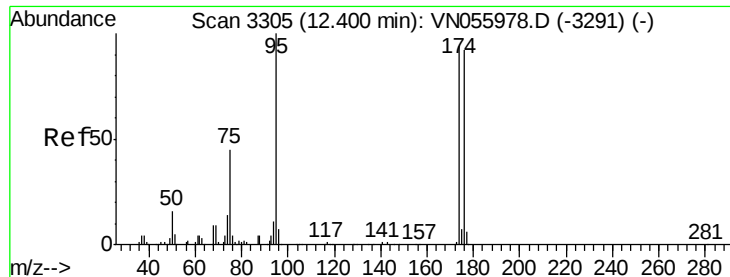
43 100

58 180.6 32.1 48.1#



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

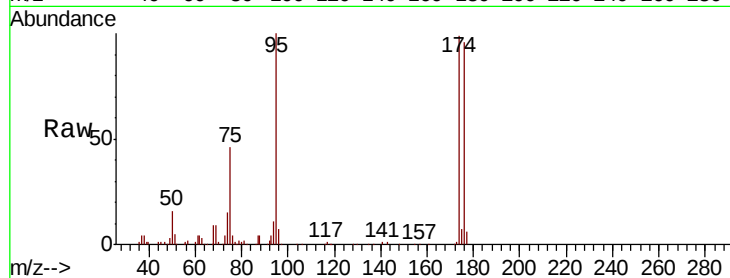




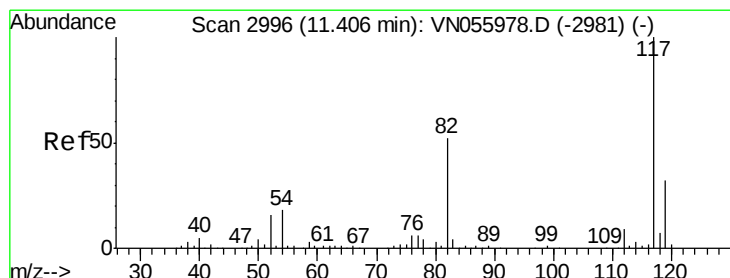
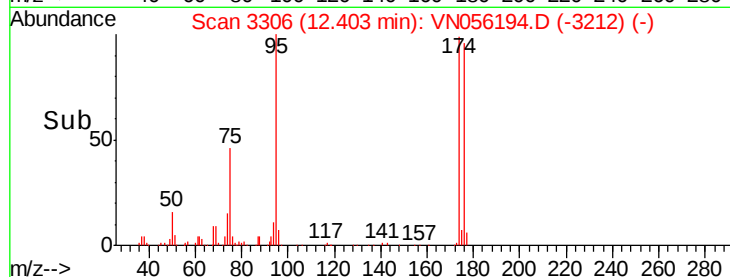
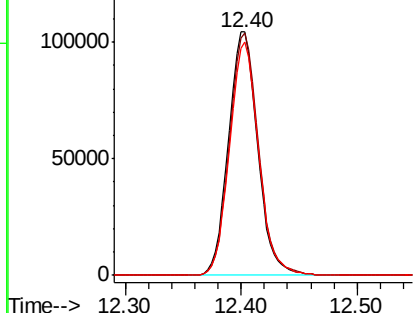
#62
4-Bromofluorobenzene
Concen: 49.766 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN056194.D
Acq: 11 Jun 2019 2:40

Instrument :
MSVOA_N
ClientSampled :

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

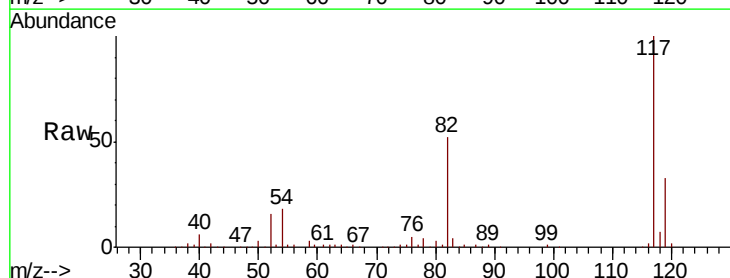


Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

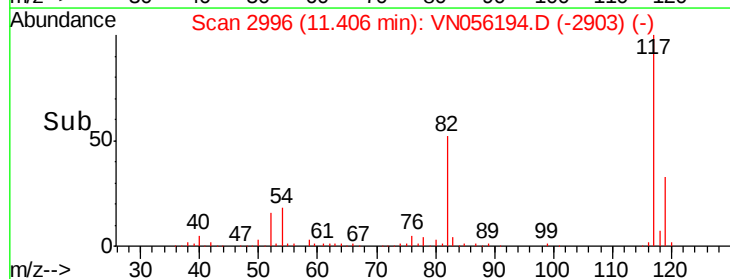
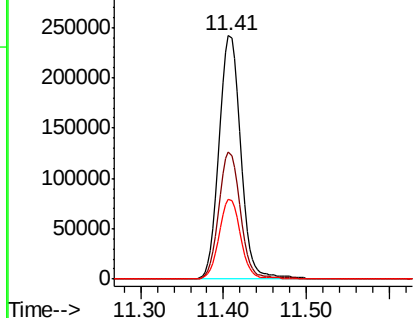


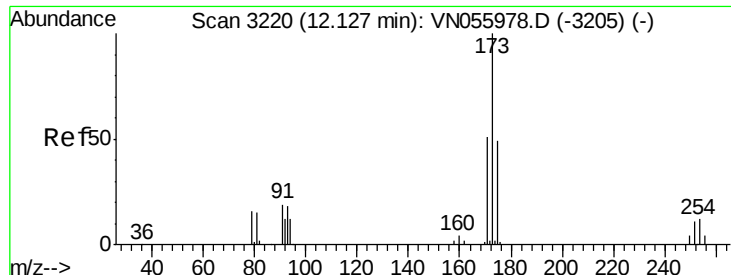
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056194.D
Acq: 11 Jun 2019 2:40

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) (-)

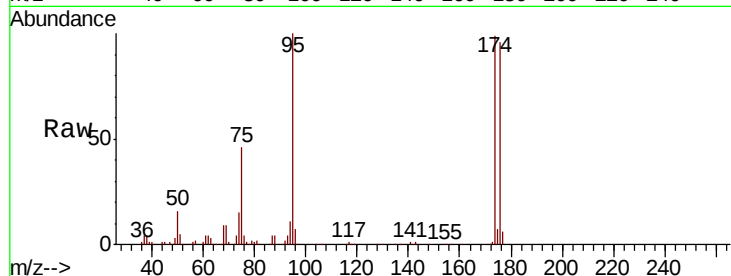




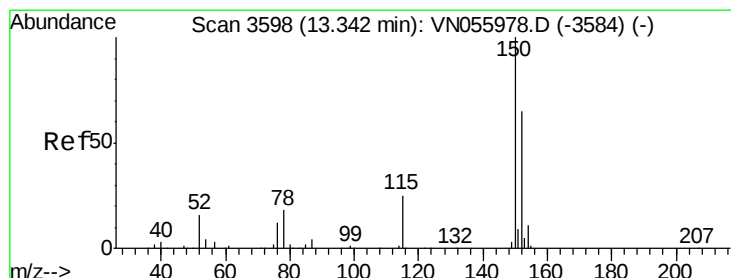
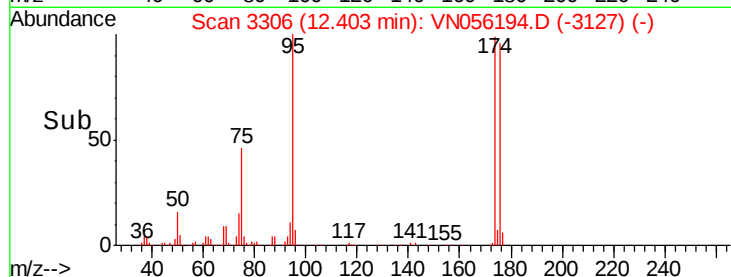
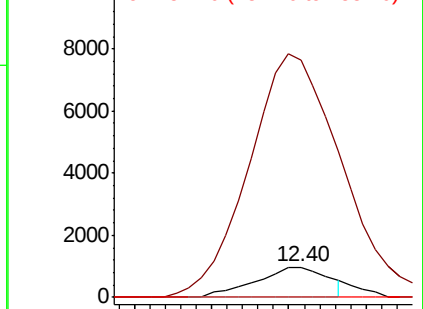
#71
Bromoform
Concen: 3.211 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056194.D
Acq: 11 Jun 2019 2:40

Instrument :
MSVOA_N
ClientSampled :

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

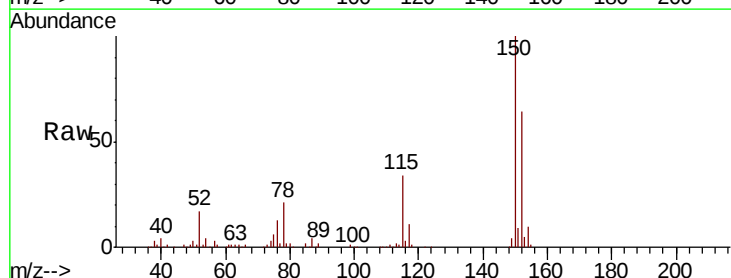


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

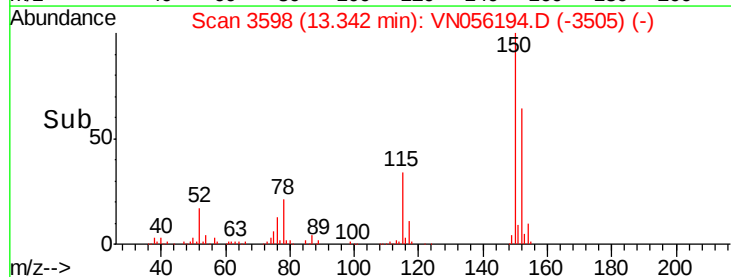
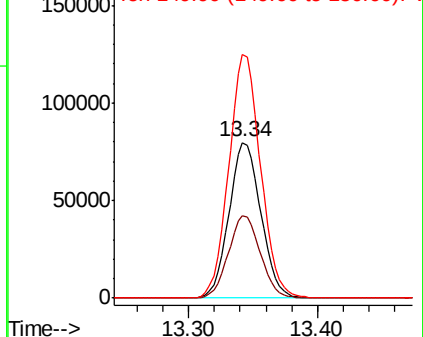


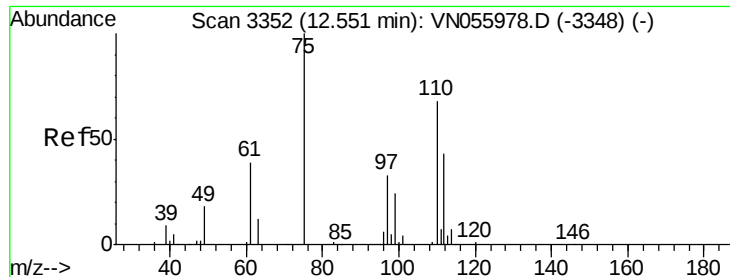
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056194.D
Acq: 11 Jun 2019 2:40

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

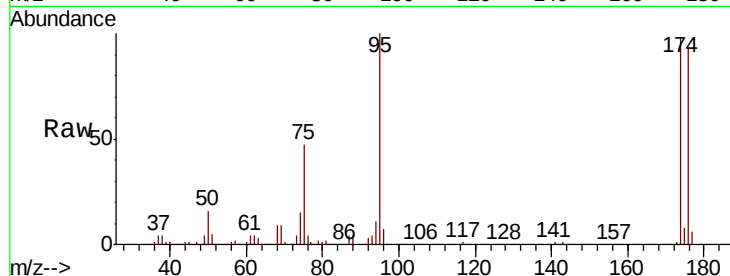
ClientSampled :

Tot Ion: 75 Resp: 83276

Ion Ratio Lower Upper

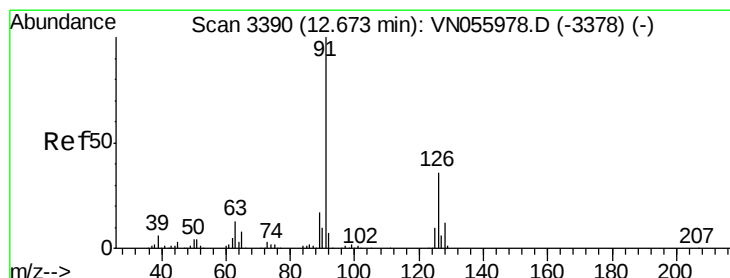
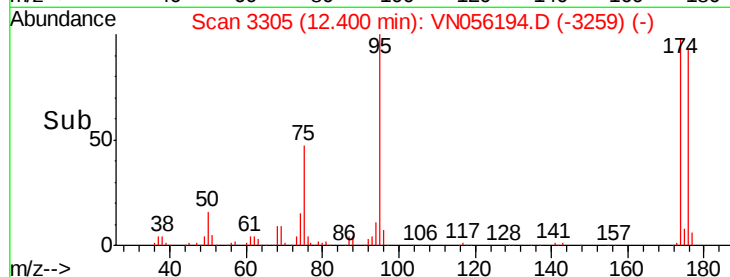
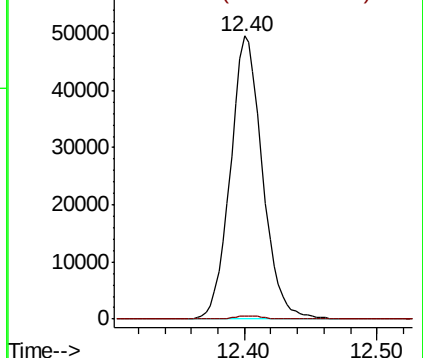
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN056194.D

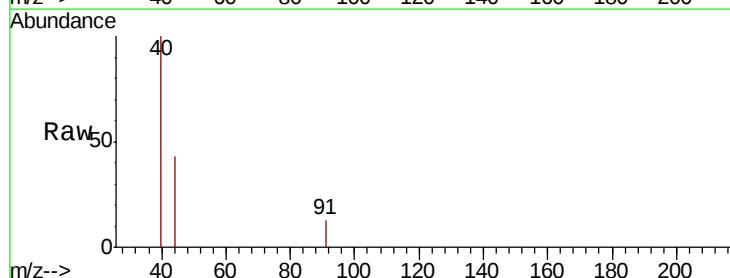
Acq: 11 Jun 2019 2:40

Tgt Ion: 91 Resp: 93

Ion Ratio Lower Upper

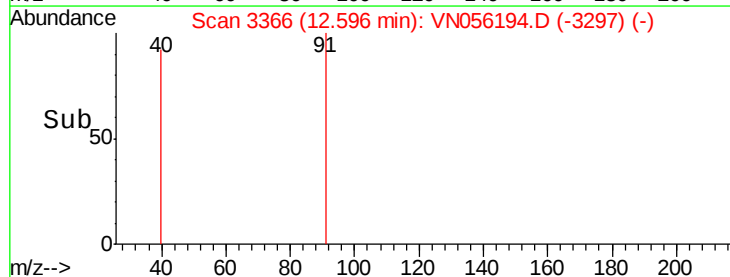
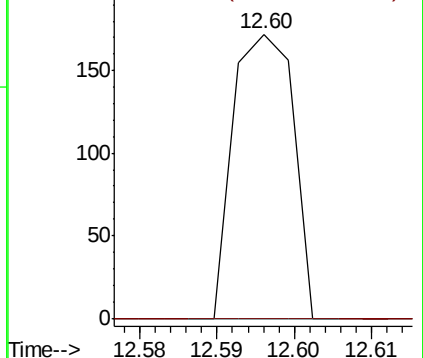
91 100

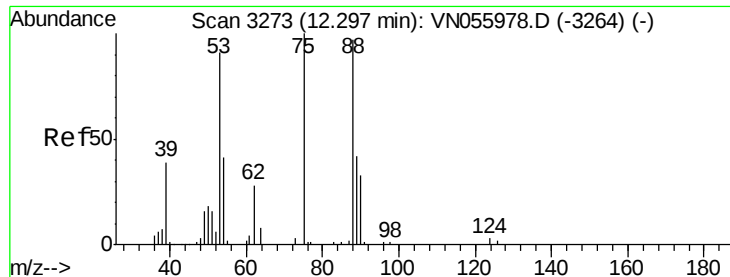
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#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 :

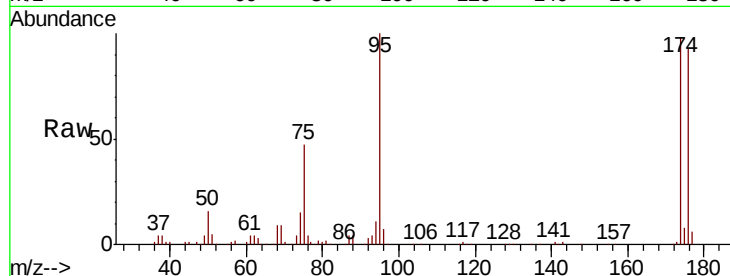
Tot Ion: 75 Resp: 83276

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

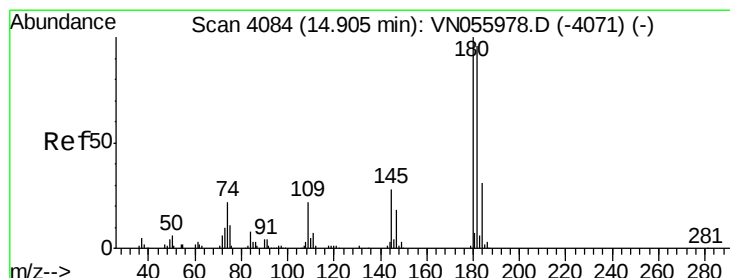
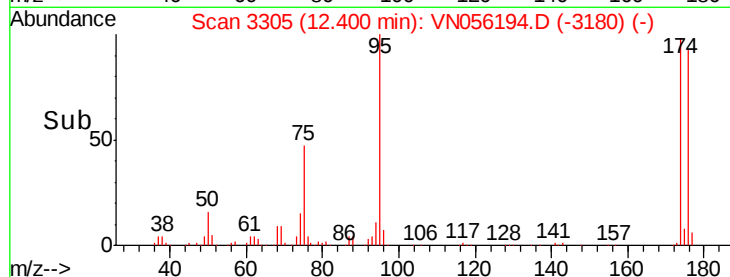
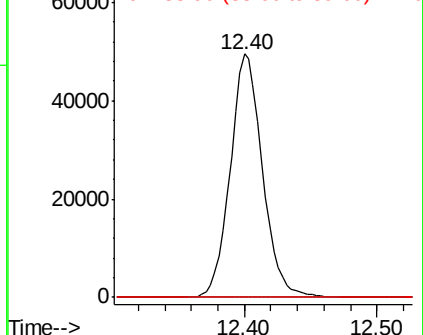
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#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

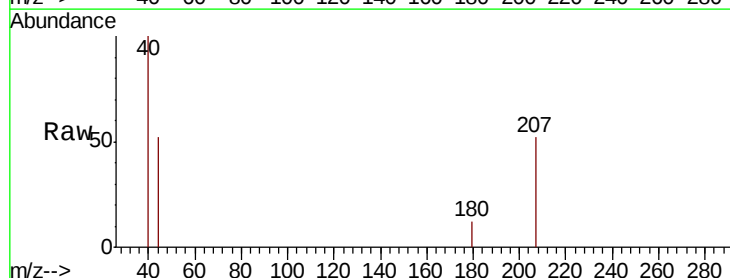
Tgt Ion: 180 Resp: 30

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.9#

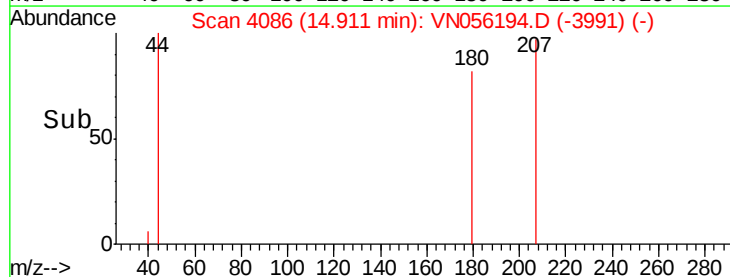
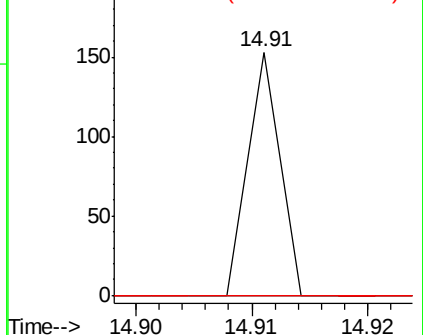
145 0.0 14.0 41.9#

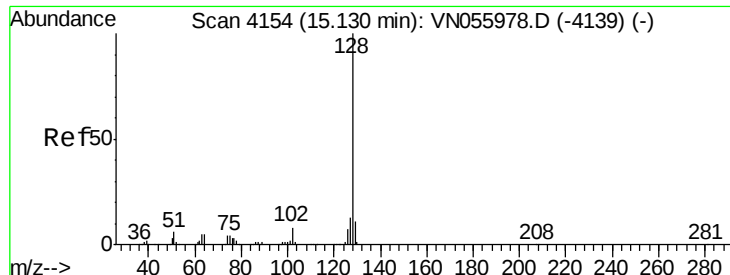


Abundance Ion 179.80 (179.50 to 180.50): VN055978.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN055978.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055978.D (-4071) (-)





#95

Naphthalene

Concen: 3.999 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

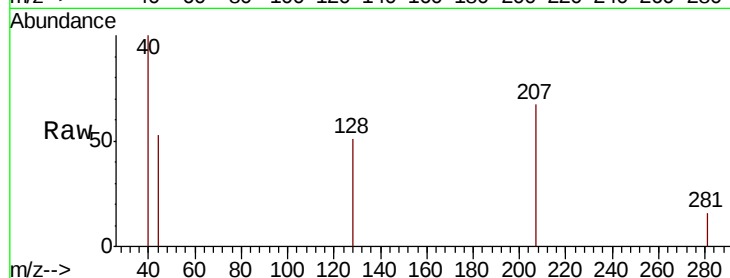
Lab File: VN056194.D

Acq: 11 Jun 2019 2:40

Instrument :

MSVOA_N

ClientSampleId :



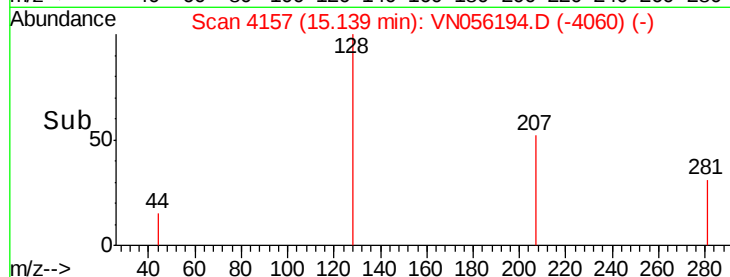
Tot Ion:128 Resp: 1050

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

