

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
 Data File : VN056012.D
 Acq On : 5 Jun 2019 16:48
 Operator : JC/SP
 Sample : K2640-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 21643DL

Quant Time: Jun 06 02:09:22 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	367427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	555102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	526069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199053	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	170823	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	7.59	113	157812	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	10.09	98	664470	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	228721	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	

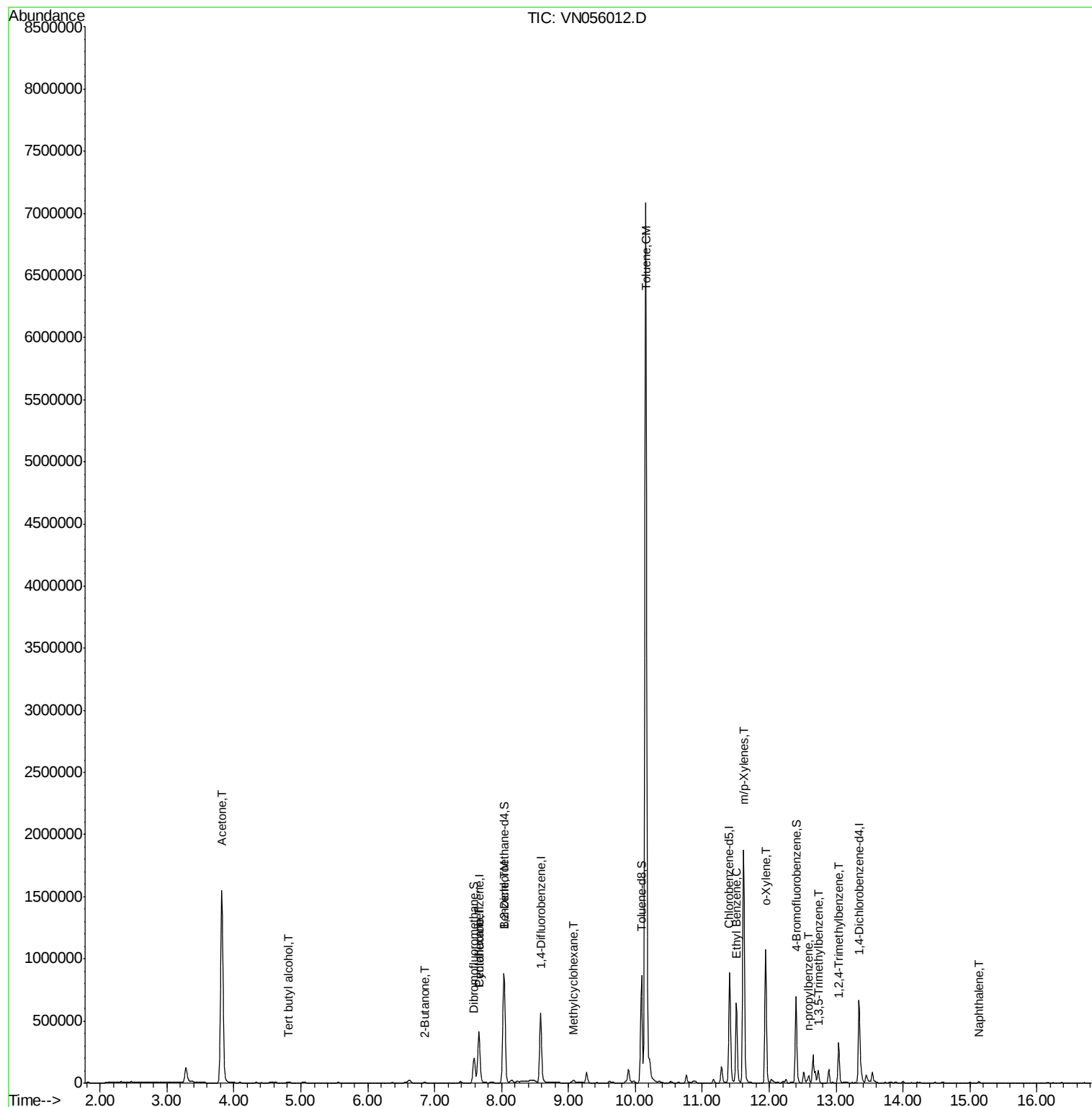
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.82	59	17541	27.629	ug/l	97
16) Acetone	3.82	43	2574959	1475.756	ug/l	99
25) 2-Butanone	6.85	43	10537	4.780	ug/l	94
31) Cyclohexane	7.65	56	29624	5.117	ug/l #	72
39) Methylcyclohexane	9.08	83	11652	1.960	ug/l	90
40) Benzene	8.04	78	835183	57.611	ug/l	100
52) Toluene	10.16	92	3427301	379.928	ug/l	99
67) Ethyl Benzene	11.51	91	500633	27.499	ug/l	98
68) m/p-Xylenes	11.62	106	652435	93.813	ug/l	99
69) o-Xylene	11.95	106	318498	46.557	ug/l	100
78) n-propylbenzene	12.59	91	49714	2.952	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	54523	4.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	197066	15.527	ug/l	99
95) Naphthalene	15.13	128	9384	4.761	ug/l	98

(#) = 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: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

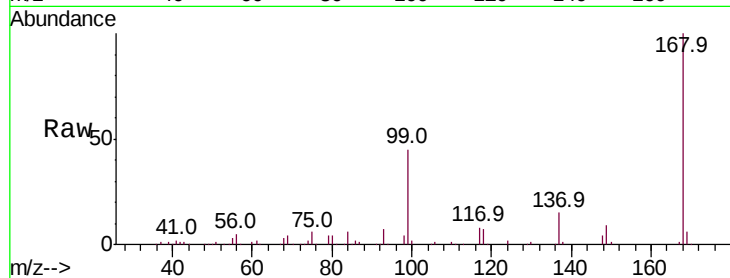
21643DL

Tot Ion:168 Resp: 367427

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

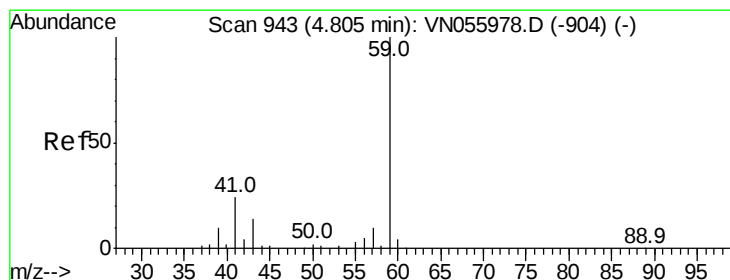
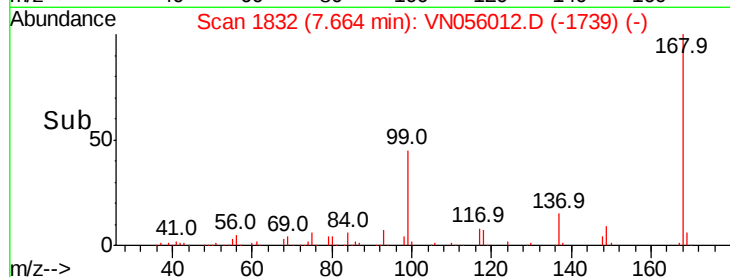
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 27.629 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN056012.D

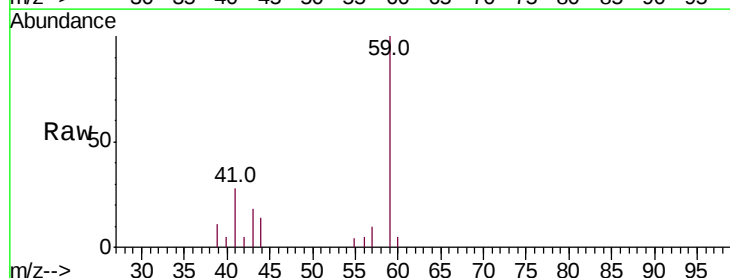
Acq: 5 Jun 2019 16:48

Tgt Ion: 59 Resp: 17541

Ion Ratio Lower Upper

59 100

57 8.6 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.82

5000

4000

3000

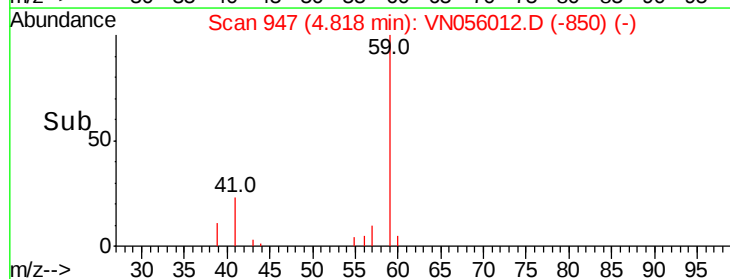
2000

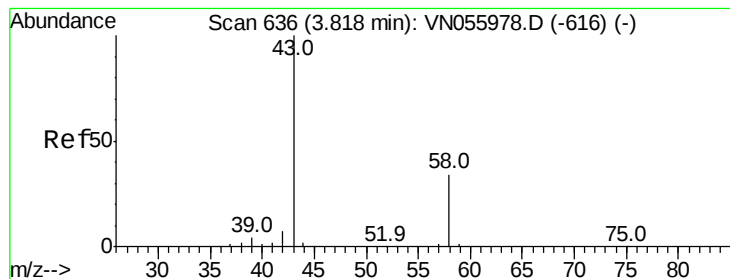
1000

0

Time-->

4.70 4.80 4.90





#16

Acetone

Concen: 1475.756 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampled :

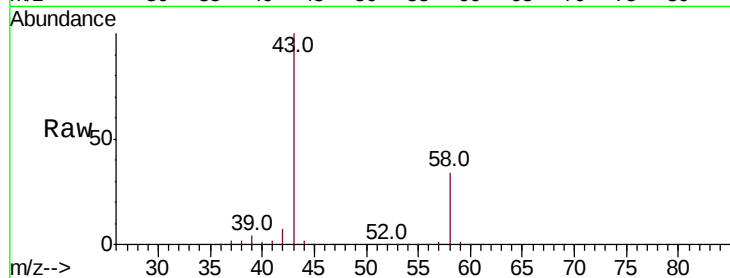
21643DL

Tot Ion: 43 Resp: 2574959

Ion Ratio Lower Upper

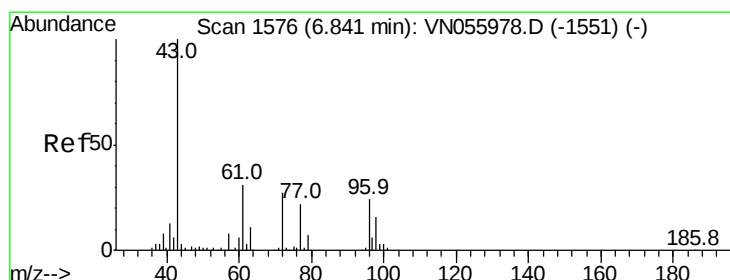
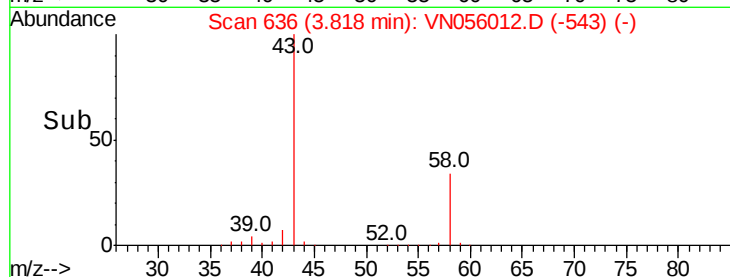
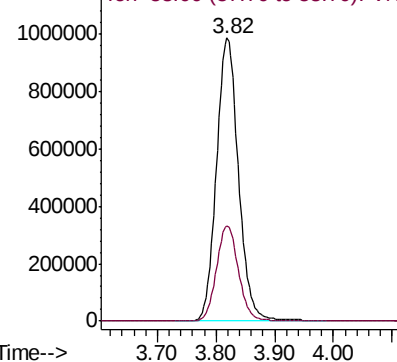
43 100

58 33.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#25

2-Butanone

Concen: 4.780 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN056012.D

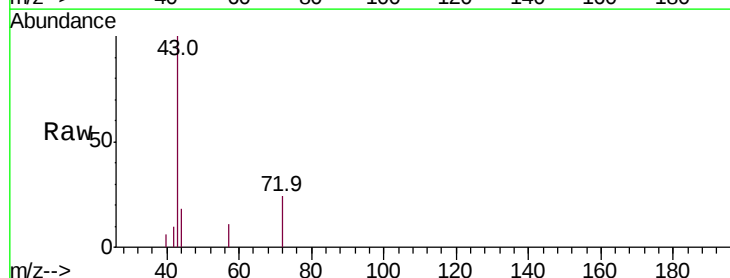
Acq: 5 Jun 2019 16:48

Tgt Ion: 43 Resp: 10537

Ion Ratio Lower Upper

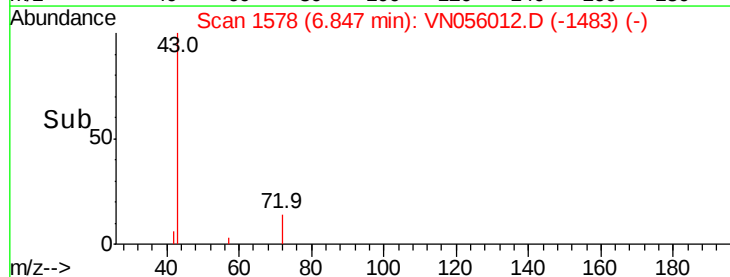
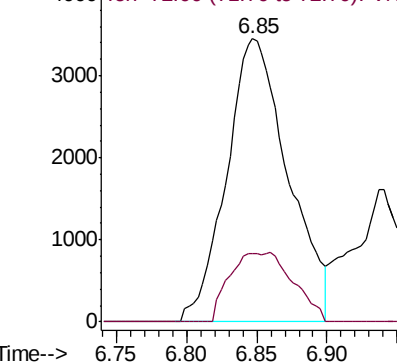
43 100

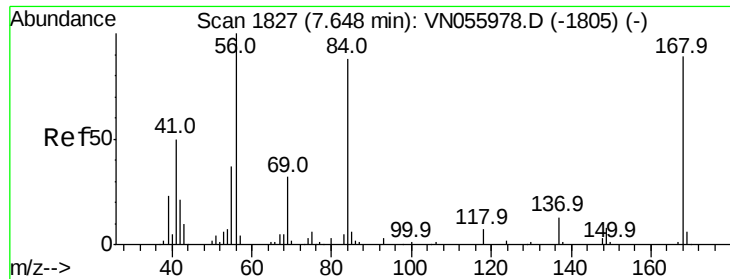
72 24.3 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

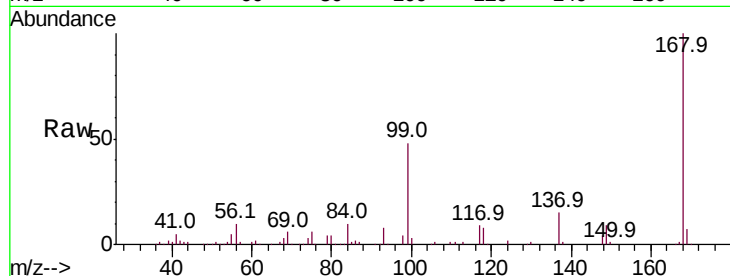




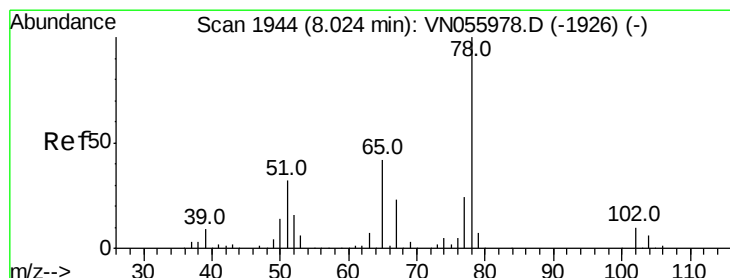
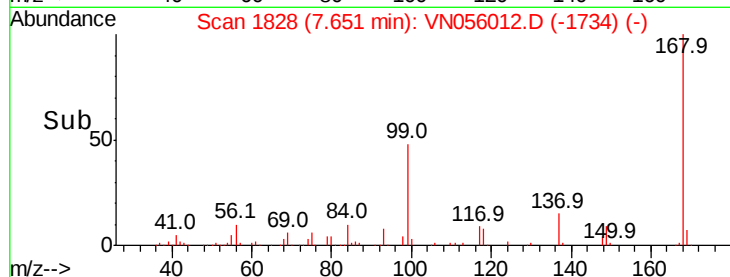
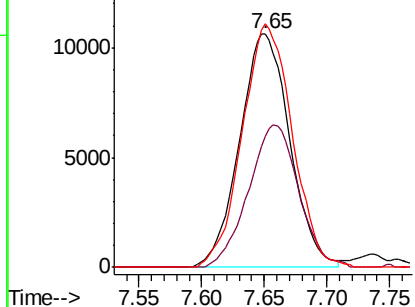
#31
Cyclohexane
Concen: 5.117 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Instrument :
MSVOA_N
ClientSampleId :
21643DL

Tot Ion: 56 Resp: 29624
Ion Ratio Lower Upper
56 100
69 56.1 25.6 38.4#
84 104.2 67.4 101.0#

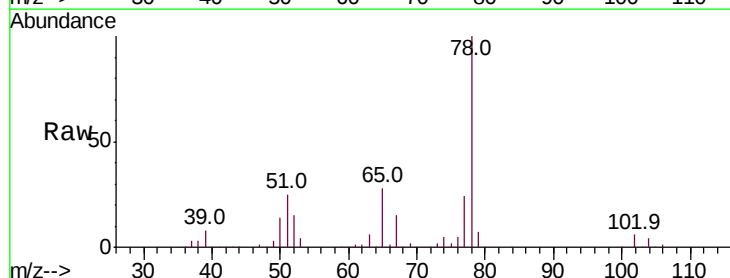


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

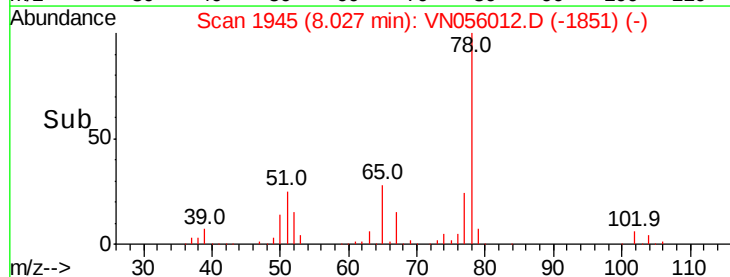
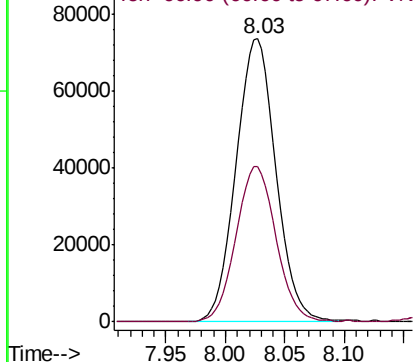


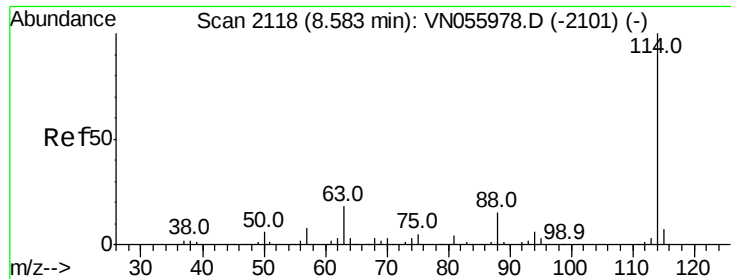
#33
1,2-Dichloroethane-d4
Concen: 46.823 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion: 65 Resp: 170823
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.2



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

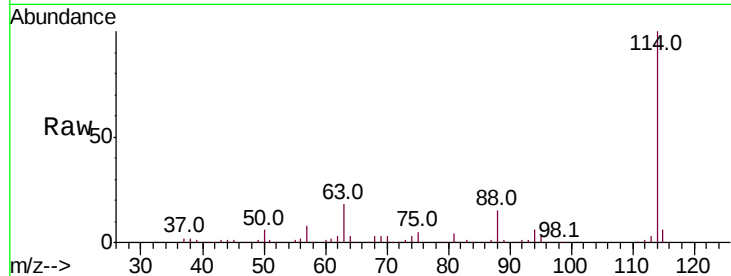




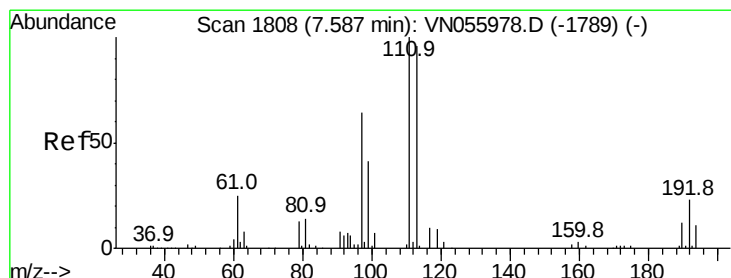
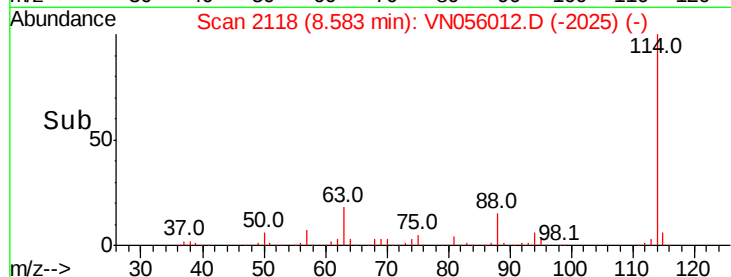
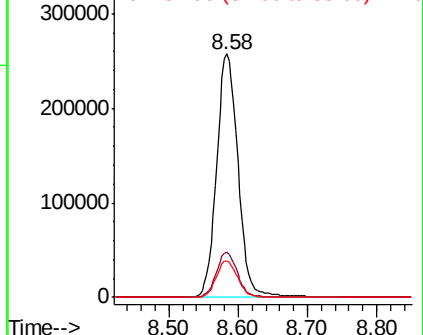
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056012.D
 Acq: 5 Jun 2019 16:48

Instrument :
 MSVOA_N
 ClientSampleId :
 21643DL

Tot Ion:114 Resp: 555102
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.2
 88 15.1 0.0 31.0

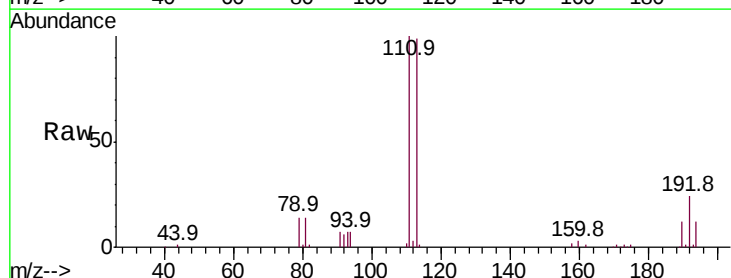


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

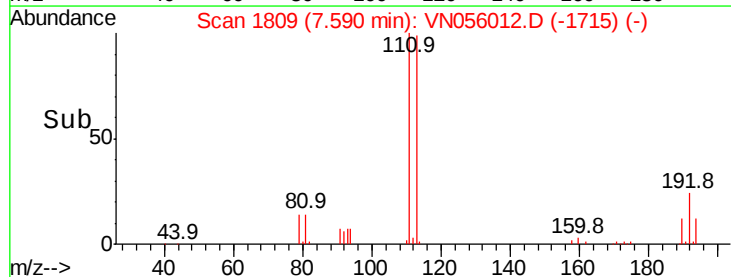
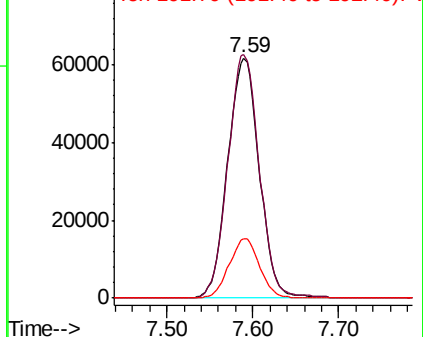


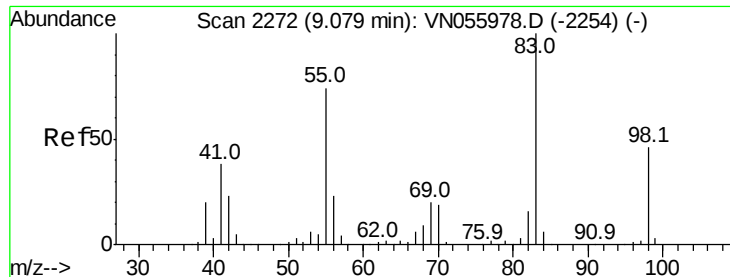
#35
 Dibromofluoromethane
 Concen: 46.337 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056012.D
 Acq: 5 Jun 2019 16:48

Tgt Ion:113 Resp: 157812
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.9 122.9
 192 23.7 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

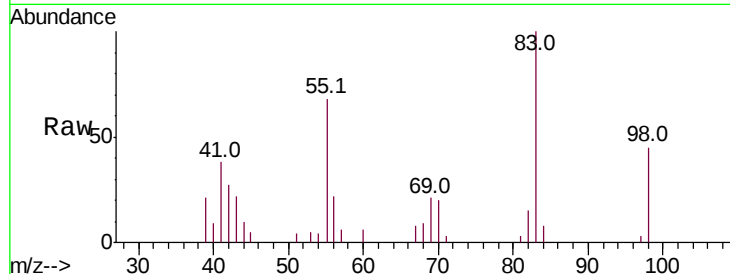




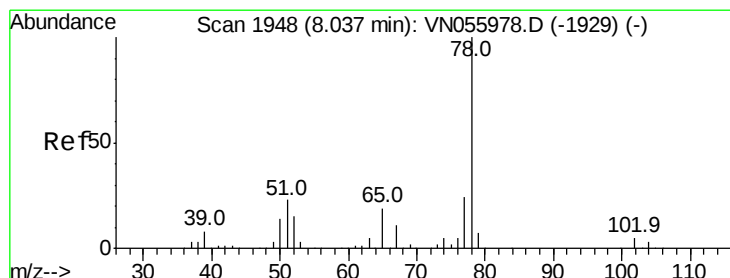
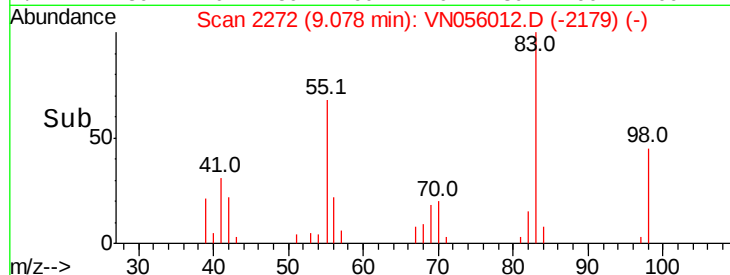
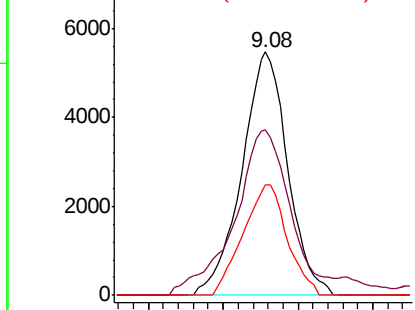
#39
Methvlcvclohexane
Concen: 1.960 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Instrument :
MSVOA_N
ClientSampled :
21643DL

Tot Ion: 83 Resp: 11652
Ion Ratio Lower Upper
83 100
55 61.1 59.3 88.9
98 45.4 36.6 54.8

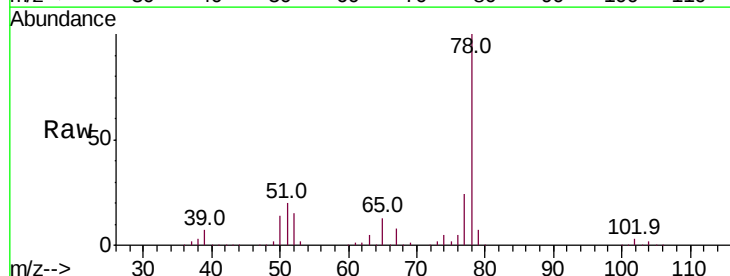


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

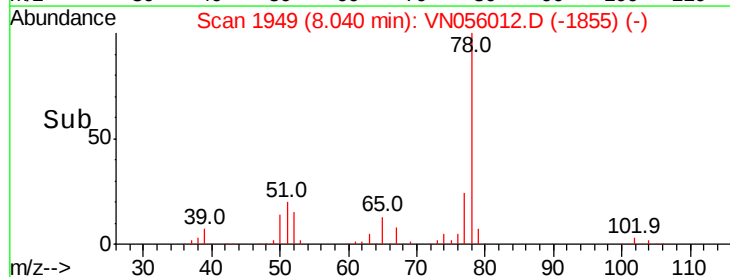
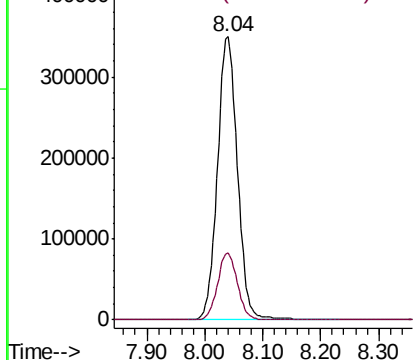


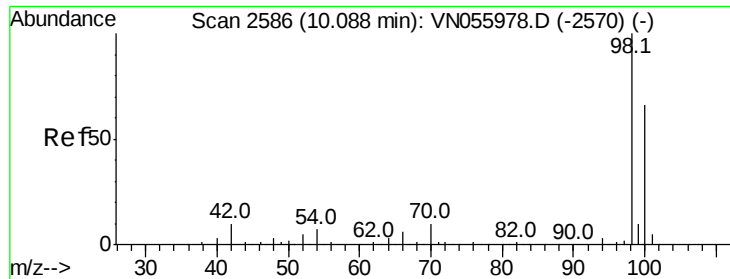
#40
Benzene
Concen: 57.611 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion: 78 Resp: 835183
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: 50.702 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

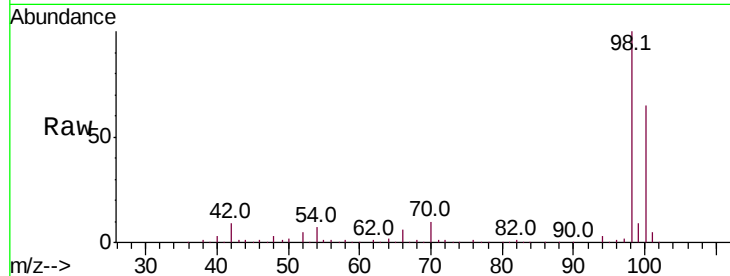
21643DL

Tot Ion: 98 Resp: 664470

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

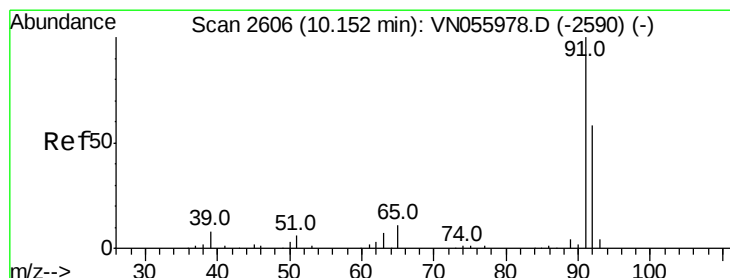
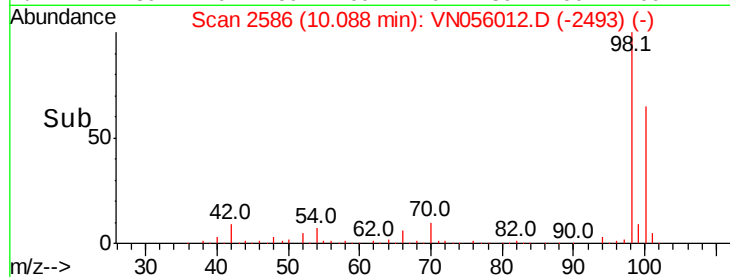
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 379.928 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056012.D

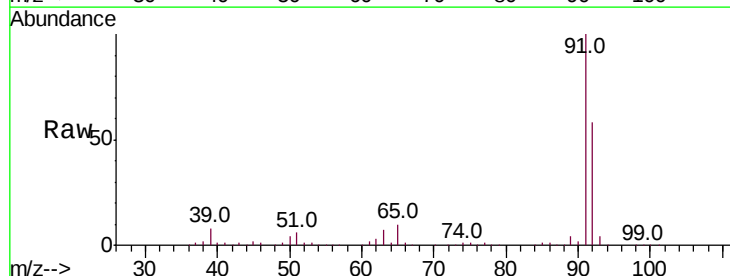
Acq: 5 Jun 2019 16:48

Tgt Ion: 92 Resp: 3427301

Ion Ratio Lower Upper

92 100

91 173.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

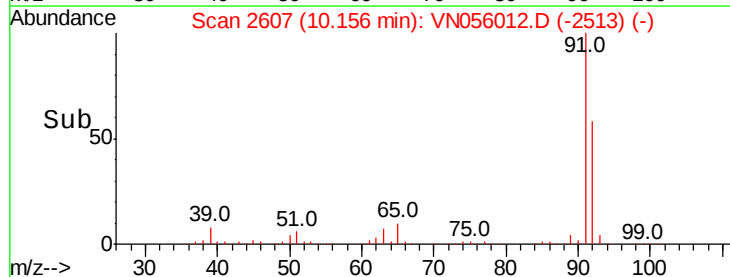
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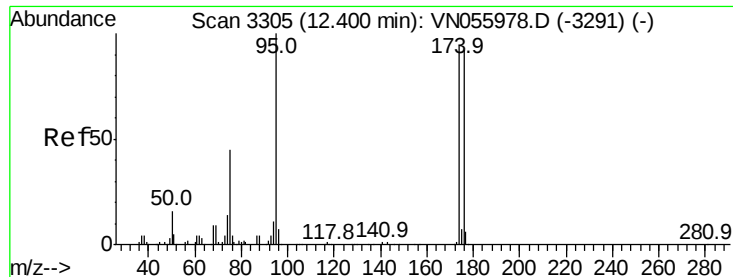
2000000

1000000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.320 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

21643DL

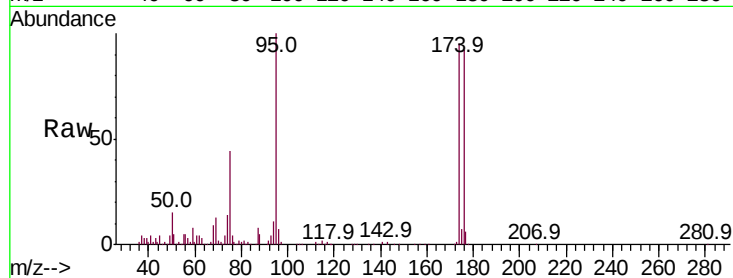
Tot Ion: 95 Resp: 228721

Ion Ratio Lower Upper

95 100

174 95.4 0.0 191.0

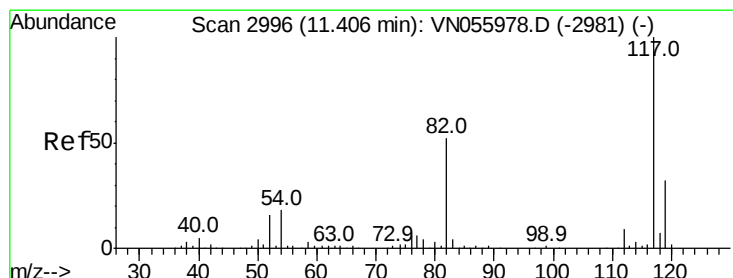
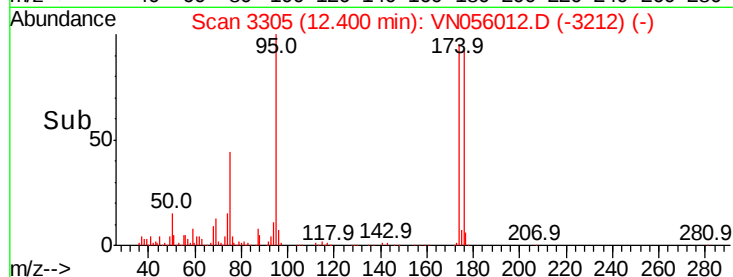
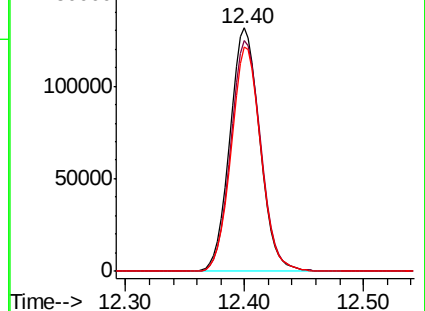
176 91.6 0.0 185.2



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: VN056012.D

Acq: 5 Jun 2019 16:48

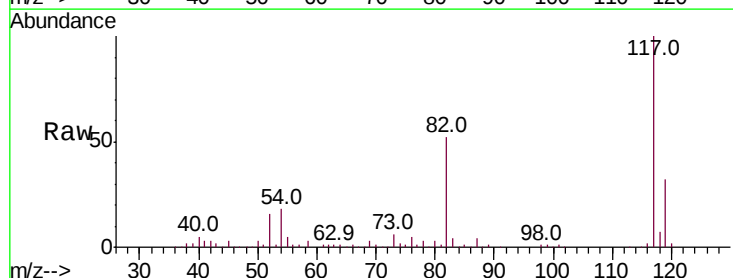
Tgt Ion: 117 Resp: 526069

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

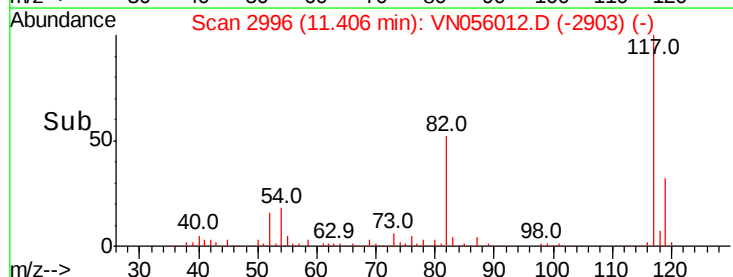
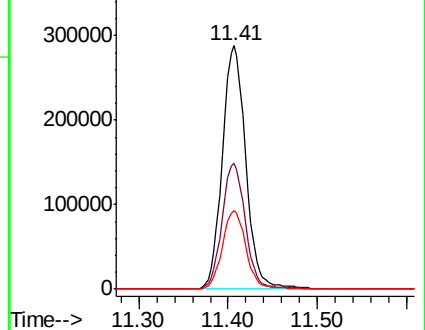
119 32.2 25.4 38.0

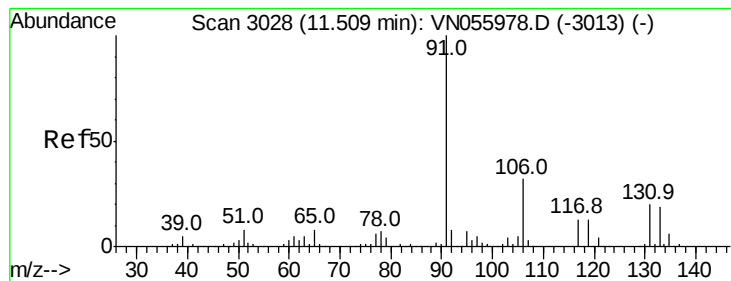


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

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

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





#67

Ethyl Benzene

Concen: 27.499 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampled :

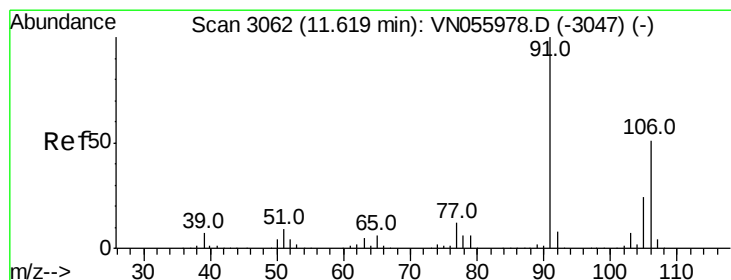
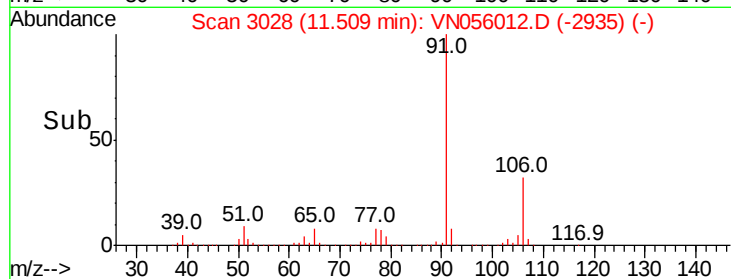
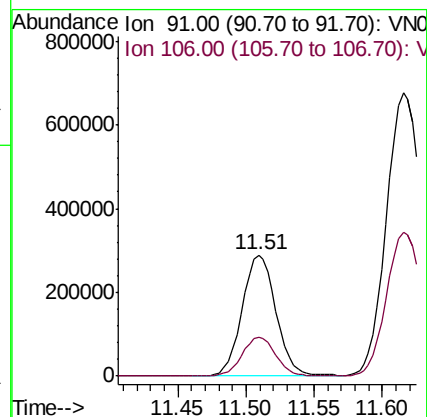
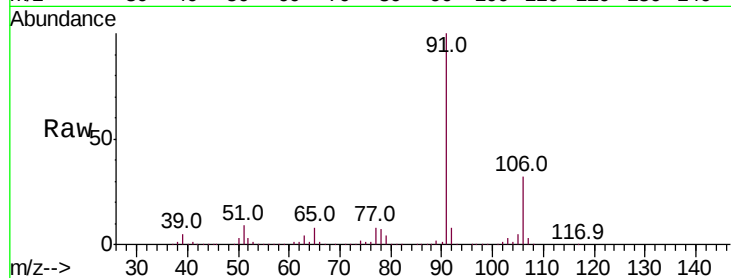
21643DL

Tot Ion: 91 Resp: 500633

Ion Ratio Lower Upper

91 100

106 32.4 25.1 37.7



#68

m/p-Xylenes

Concen: 93.813 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN056012.D

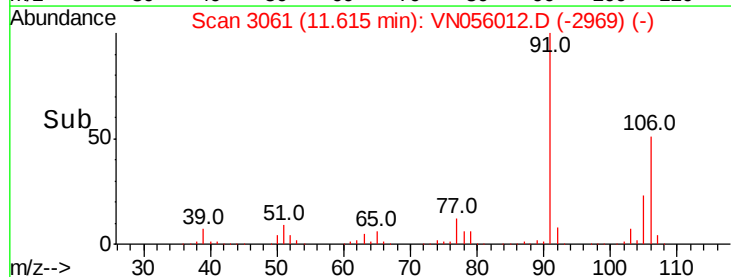
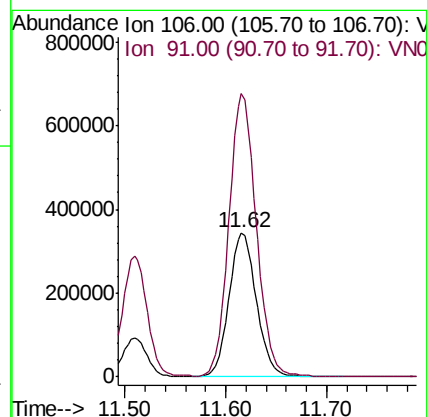
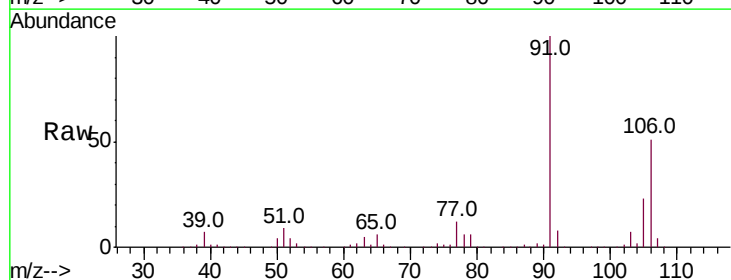
Acq: 5 Jun 2019 16:48

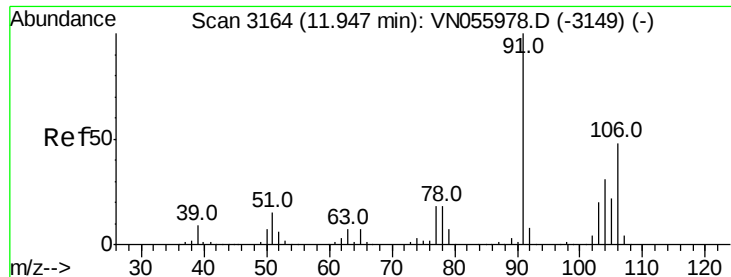
Tgt Ion: 106 Resp: 652435

Ion Ratio Lower Upper

106 100

91 197.1 159.3 238.9

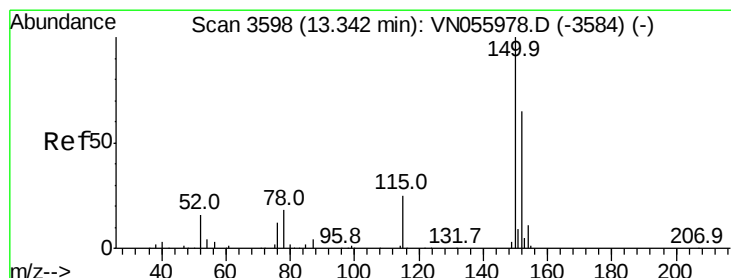
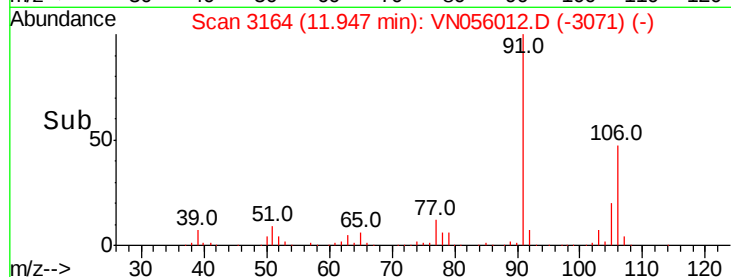
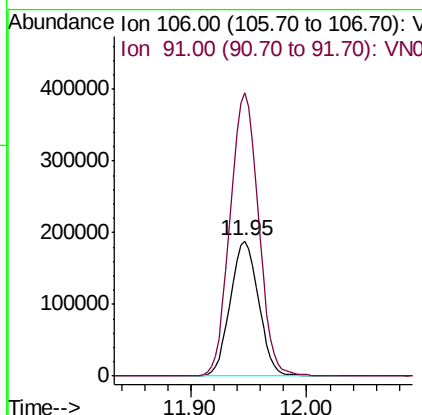
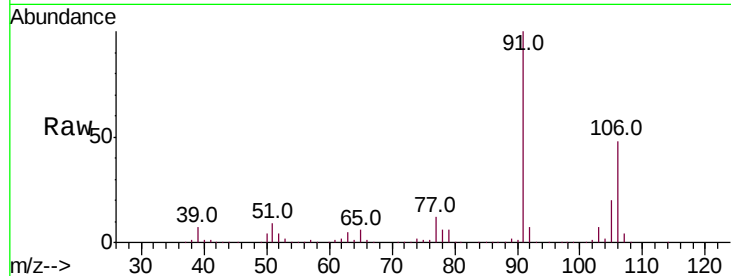




#69
o-Xylene
Concen: 46.557 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

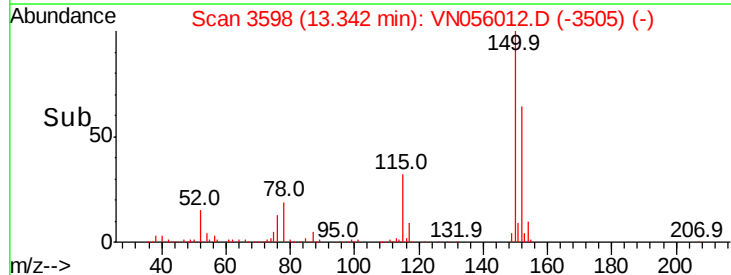
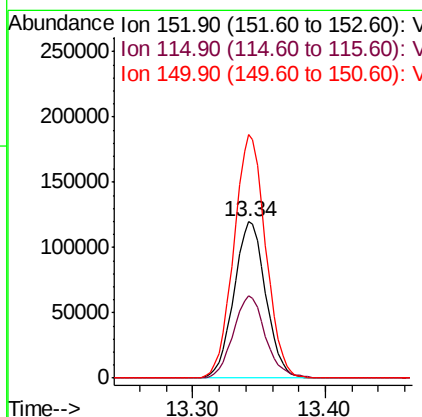
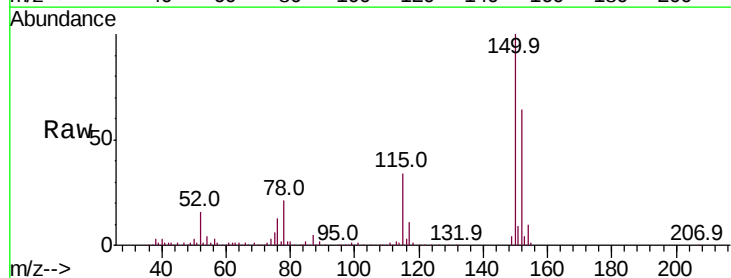
Instrument :
MSVOA_N
ClientSampled :
21643DL

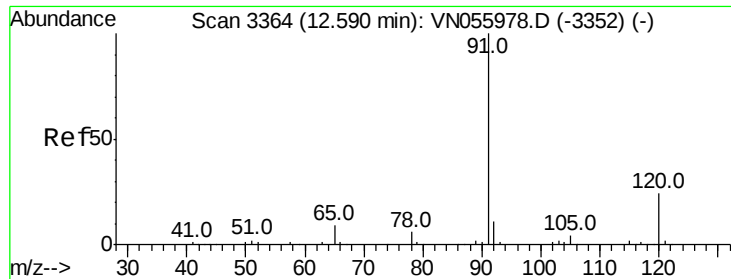
Tot Ion:106 Resp: 318498
Ion Ratio Lower Upper
106 100
91 210.0 104.7 314.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion:152 Resp: 199053
Ion Ratio Lower Upper
152 100
115 53.7 27.0 81.0
150 156.3 0.0 343.2

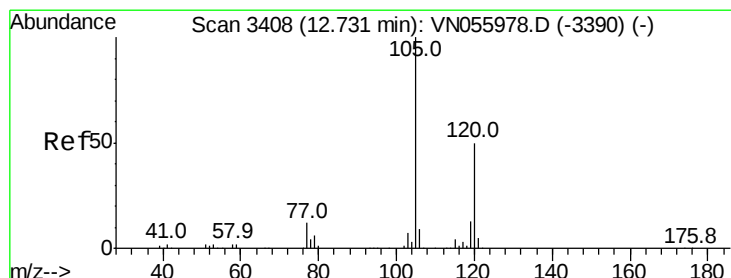
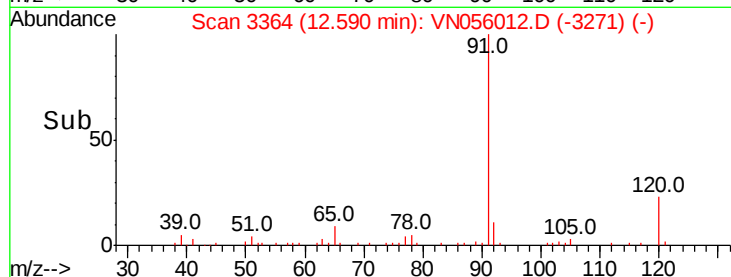
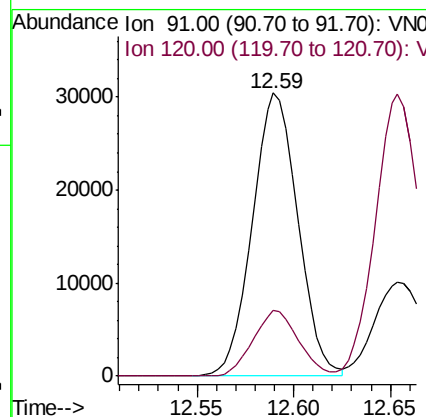
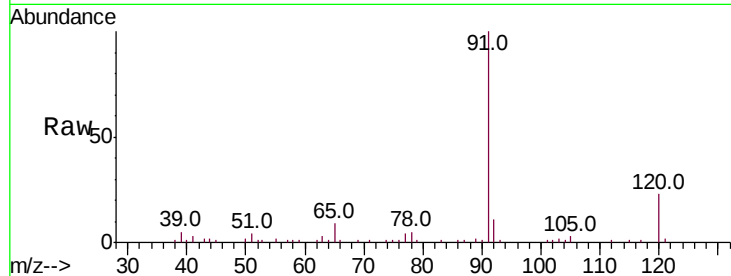




#78
n-propylbenzene
Concen: 2.952 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

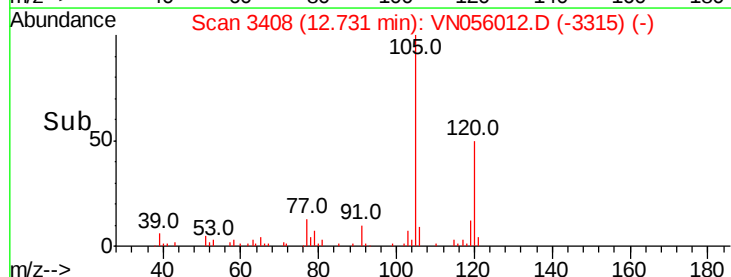
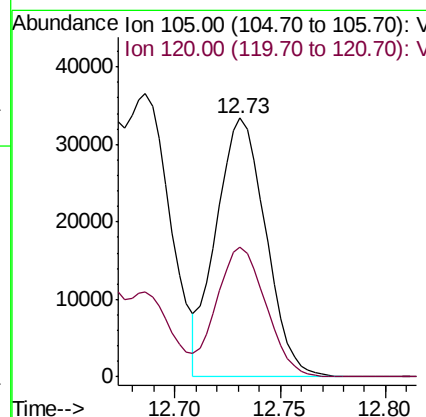
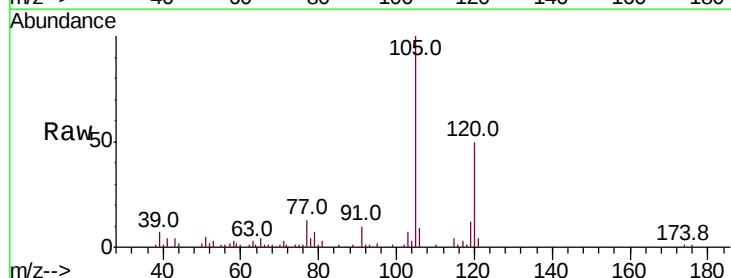
Instrument :
MSVOA_N
ClientSampled :
21643DL

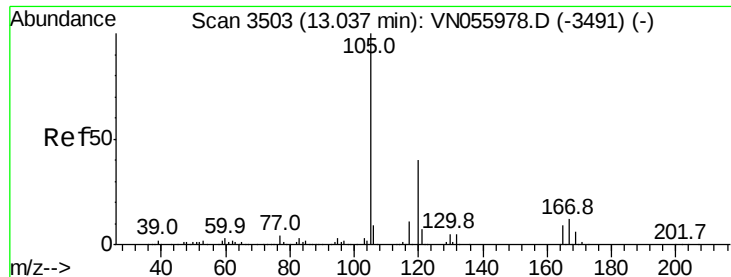
Tot Ion: 91 Resp: 49714
Ion Ratio Lower Upper
91 100
120 23.3 12.0 36.0



#80
1,3,5-Trimethylbenzene
Concen: 4.074 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion:105 Resp: 54523
Ion Ratio Lower Upper
105 100
120 49.8 24.7 74.1

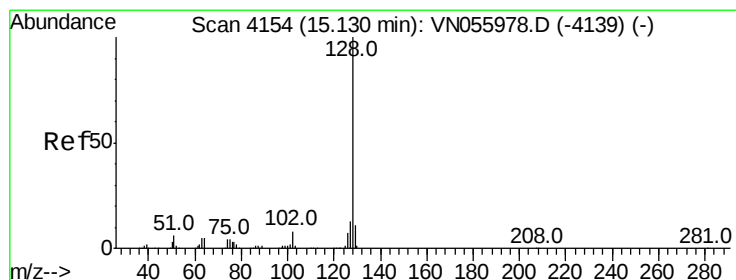
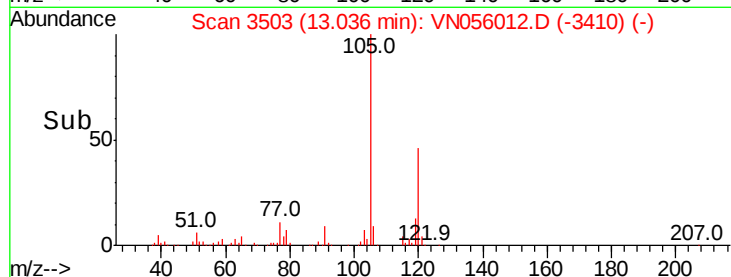
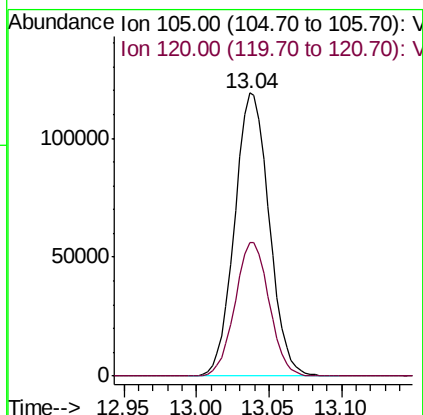
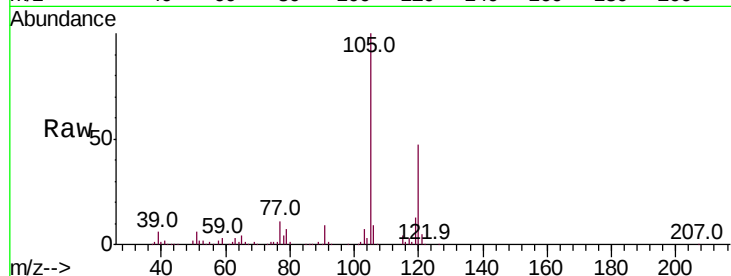




#84
 1,2,4-Trimethylbenzene
 Concen: 15.527 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056012.D
 Acq: 5 Jun 2019 16:48

Instrument :
 MSVOA_N
 ClientSampled :
 21643DL

Tot Ion:105 Resp: 197066
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.0 69.0



#95
 Naphthalene
 Concen: 4.761 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN056012.D
 Acq: 5 Jun 2019 16:48

Tgt Ion:128 Resp: 9384
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.3 15.5
 129 10.1 8.7 13.1

