

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062819\
 Data File : VN056555.D
 Acq On : 28 Jun 2019 15:15
 Operator : JC/SP
 Sample : K3519-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-LF2RES

Quant Time: Jul 06 05:20:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062719SIM-VINYL.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 03:22:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	49721	5.00	ug/l	0.00
4) 1,4-Difluorobenzene	8.58	114	87098	5.00	ug/l	0.00
8) Chlorobenzene-d5	11.41	117	51953	5.00	ug/l	0.00
9) 1,4-Dichlorobenzene-d4	13.34	152	7709	5.00	ug/l	0.00

System Monitoring Compounds						
3) 1,2-Dichloroethane-d4	8.02	65	30139	4.95	ug/l	0.00
Spiked Amount	5.000	Range	81 - 118	Recovery	=	99.00%
5) Dibromofluoromethane	7.59	113	22743	4.74	ug/l	0.00
Spiked Amount	5.000	Range	80 - 119	Recovery	=	94.80%
6) Toluene-d8	10.09	98	50000	4.60	ug/l	0.00
Spiked Amount	5.000	Range	89 - 112	Recovery	=	92.00%
7) 4-Bromofluorobenzene	12.39	95	12633	4.55	ug/l	0.00
Spiked Amount	5.000	Range	85 - 114	Recovery	=	91.00%

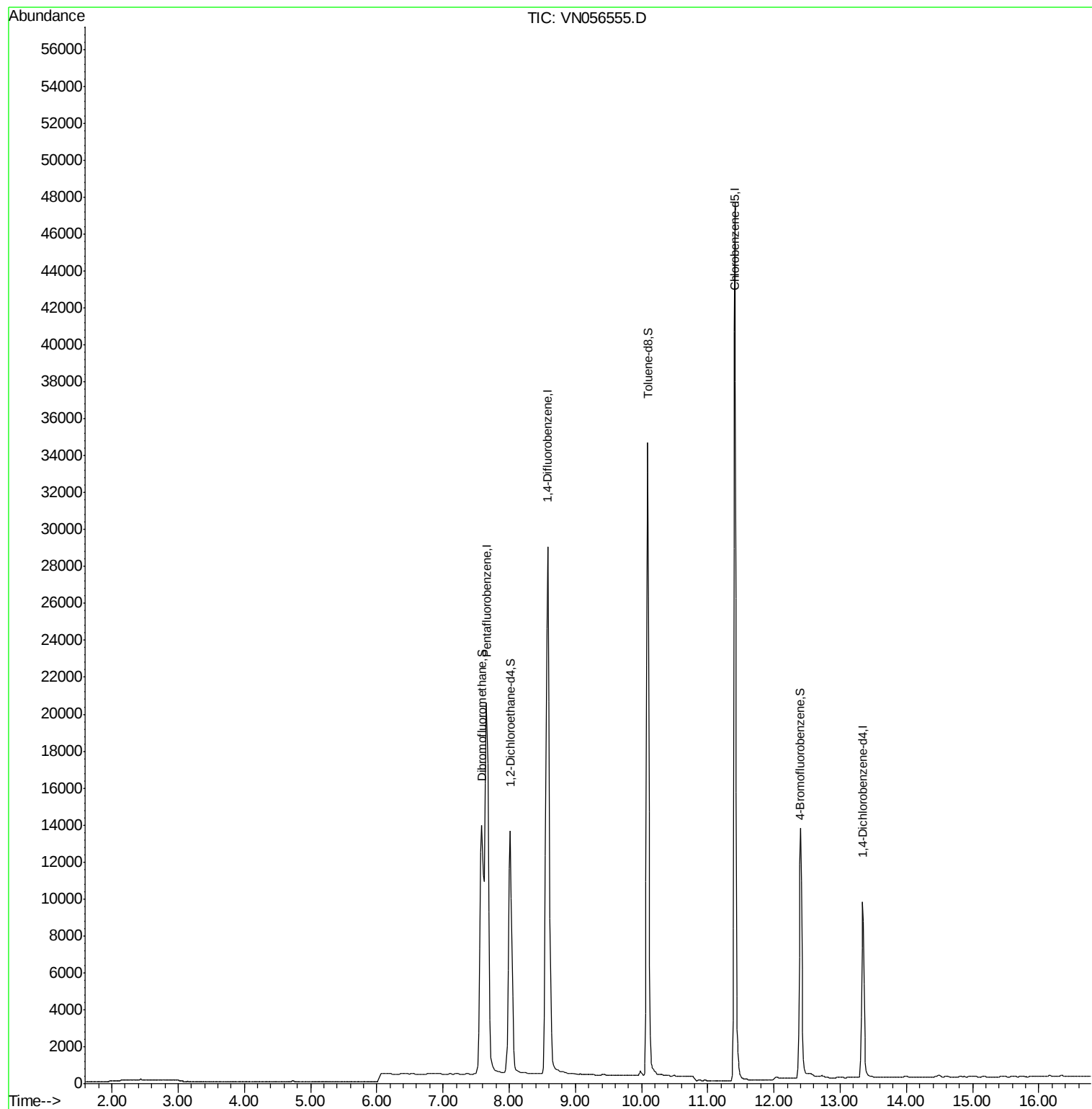
Target Compounds	Qvalue
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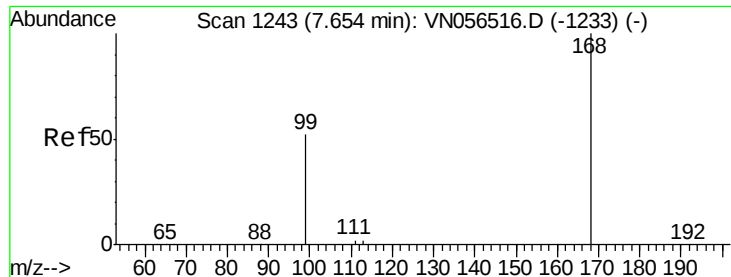
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 5.000 ug/l

RT: 7.66 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VN056555.D

Acq: 28 Jun 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

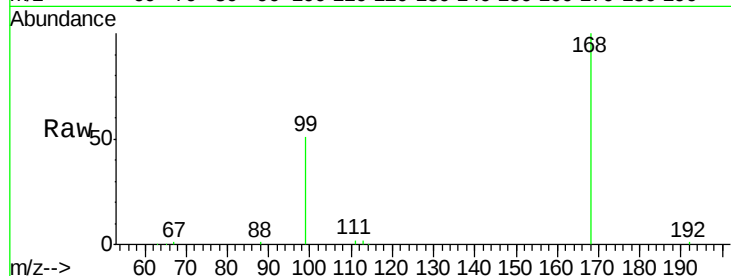
SP19-LF2RES

Tot Ion:168 Resp: 49721

Ion Ratio Lower Upper

168 100

99 50.5 41.9 62.9



Abundance Ion 168.00 (167.70 to 168.70): VN056555.D (-1244) (-)

Ion 99.00 (98.70 to 99.70): VN056555.D (-1244) (-)

7.66

15000

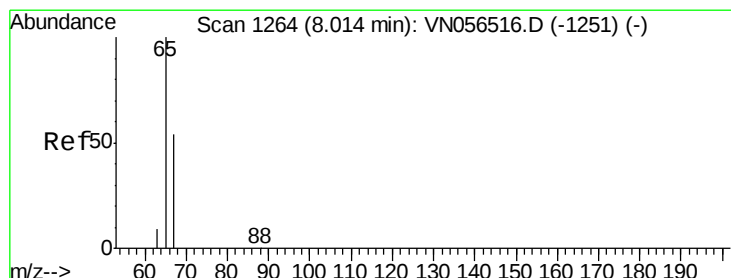
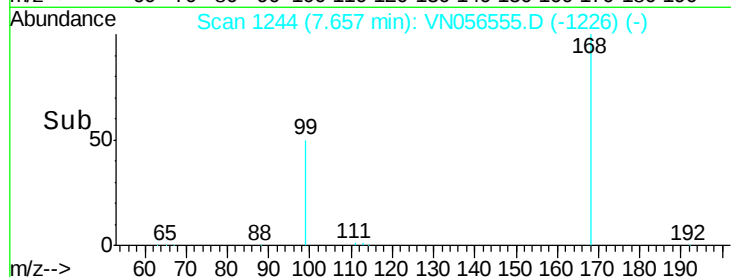
10000

5000

0

7.40 7.60 7.80 8.00

Time-->



#3

1,2-Dichloroethane-d4

Concen: 4.949 ug/l

RT: 8.02 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN056555.D

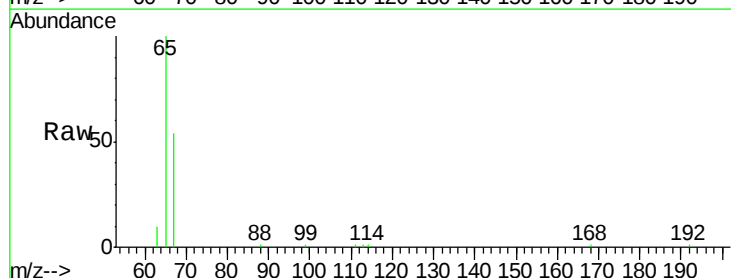
Acq: 28 Jun 2019 15:15

Tgt Ion: 65 Resp: 30139

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.8



Abundance Ion 65.00 (64.70 to 65.70): VN056555.D (-1264) (-)

Ion 67.00 (66.70 to 67.70): VN056555.D (-1264) (-)

8.02

8000

6000

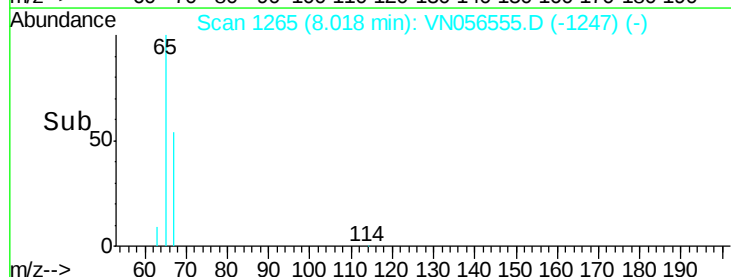
4000

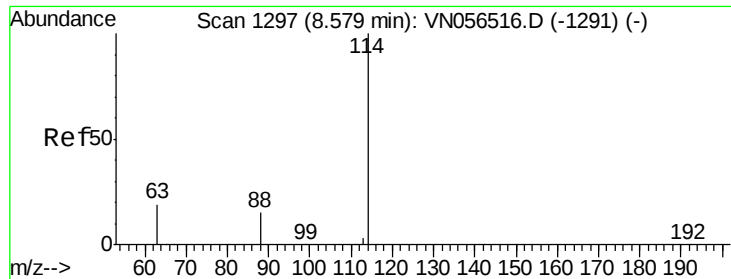
2000

0

7.80 8.00 8.20 8.40

Time-->





#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.58 min Scan# 1298

Delta R.T. 0.00 min

Lab File: VN056555.D

Acq: 28 Jun 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

SP19-LF2RES

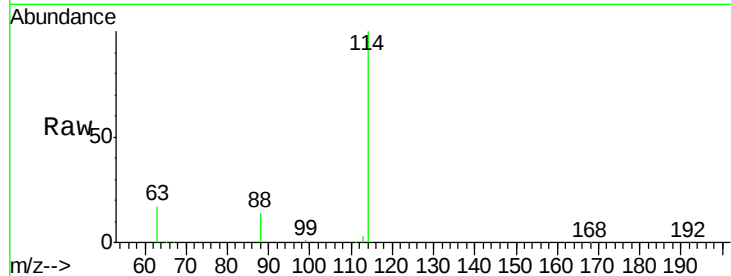
Tot Ion:114 Resp: 87098

Ion Ratio Lower Upper

114 100

63 17.2 0.0 37.6

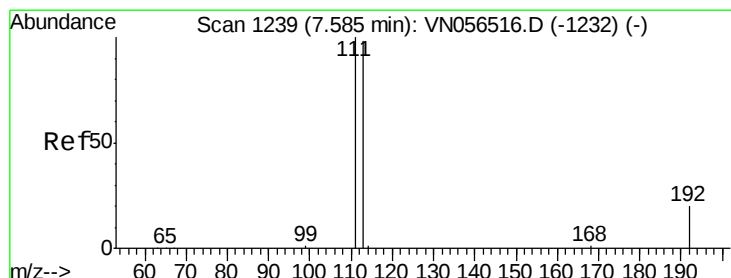
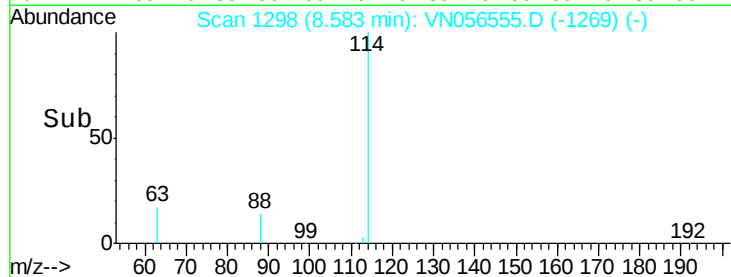
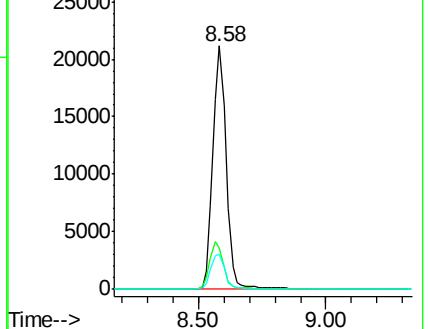
88 14.5 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): V

Ion 88.00 (87.70 to 88.70): V



#5

Dibromofluoromethane

Concen: 4.736 ug/l

RT: 7.59 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VN056555.D

Acq: 28 Jun 2019 15:15

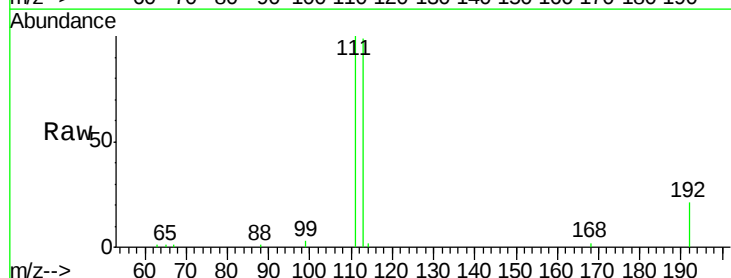
Tgt Ion:113 Resp: 22743

Ion Ratio Lower Upper

113 100

111 100.9 81.7 122.5

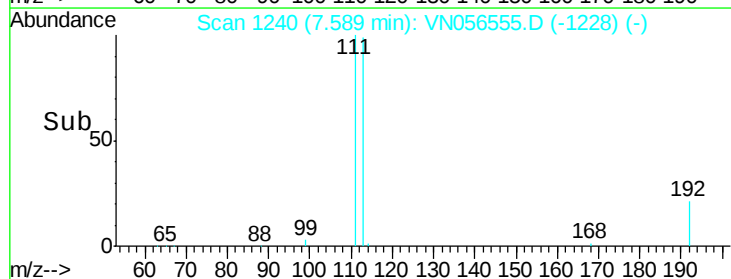
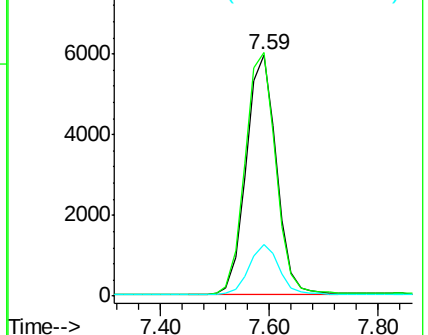
192 21.6 16.9 25.3

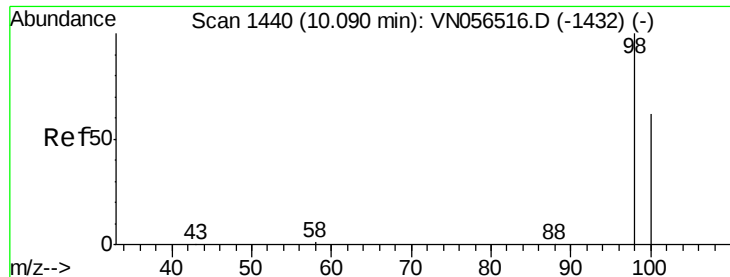


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#6

Toluene-d8

Concen: 4.602 ug/l

RT: 10.09 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VN056555.D

Acq: 28 Jun 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

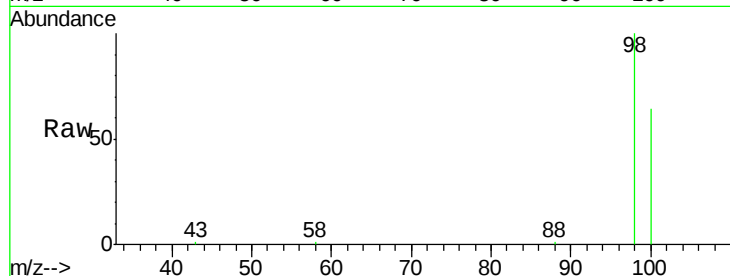
SP19-LF2RES

Tot Ion: 98 Resp: 50000

Ion Ratio Lower Upper

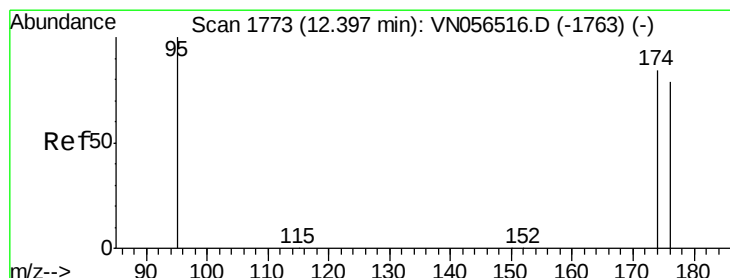
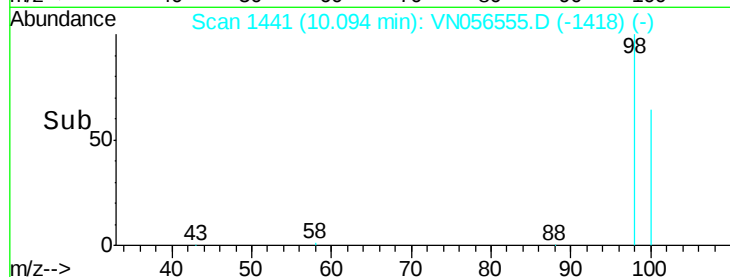
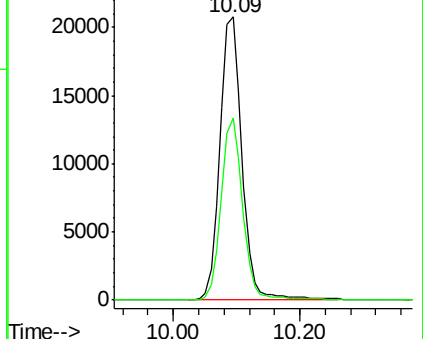
98 100

100 64.3 49.7 74.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#7

4-Bromofluorobenzene

Concen: 4.546 ug/l

RT: 12.39 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VN056555.D

Acq: 28 Jun 2019 15:15

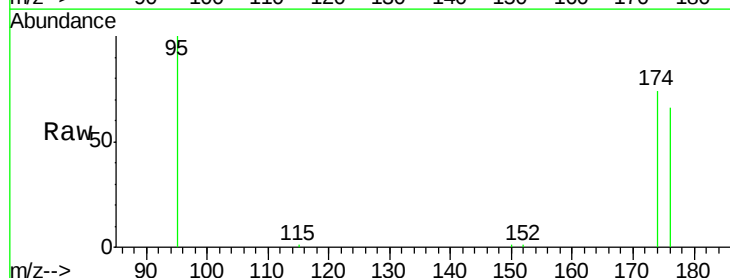
Tgt Ion: 95 Resp: 12633

Ion Ratio Lower Upper

95 100

174 74.1 0.0 167.8

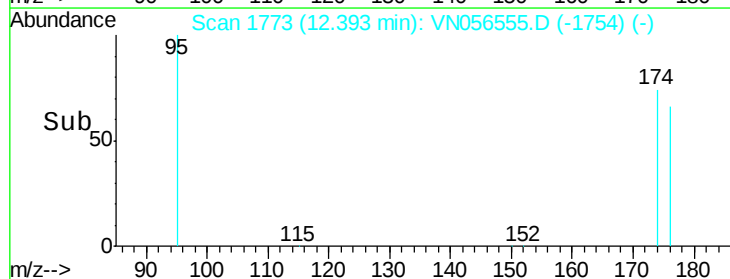
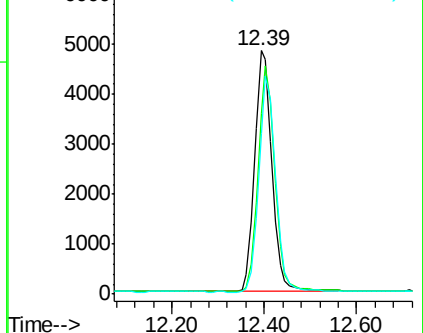
176 66.0 0.0 158.0

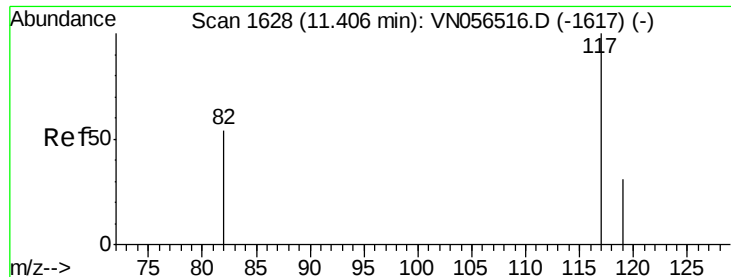


Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN056555.D

Acq: 28 Jun 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

SP19-LF2RES

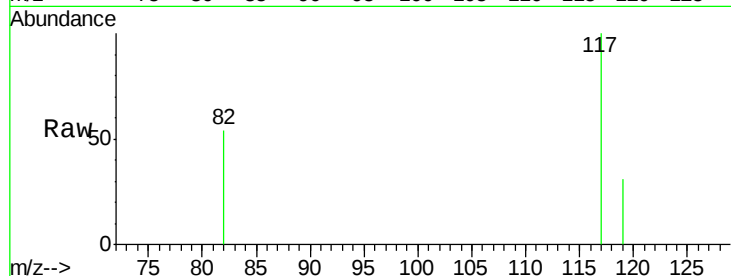
Tot Ion:117 Resp: 51953

Ion Ratio Lower Upper

117 100

82 53.8 43.0 64.4

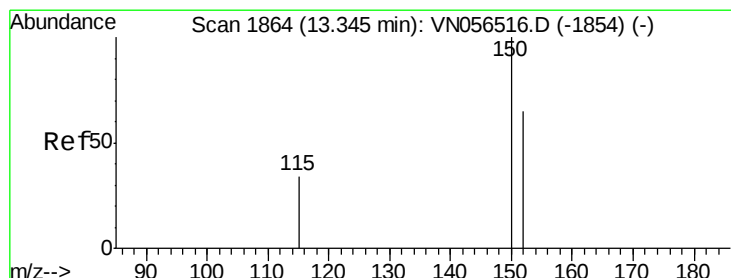
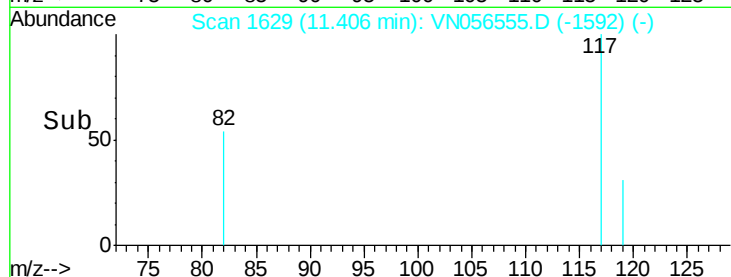
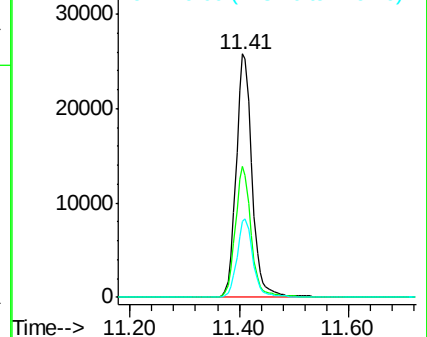
119 31.2 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#9

1,4-Dichlorobenzene-d4

Concen: 5.000 ug/l

RT: 13.34 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN056555.D

Acq: 28 Jun 2019 15:15

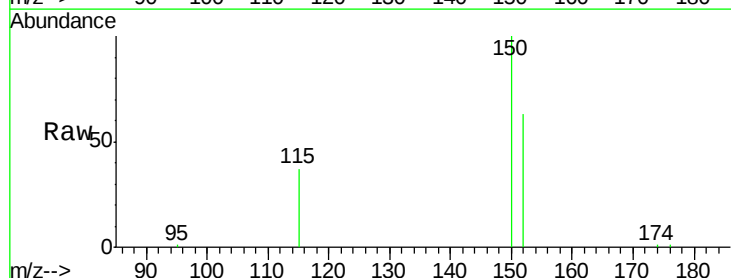
Tgt Ion:152 Resp: 7709

Ion Ratio Lower Upper

152 100

115 58.4 27.0 80.8

150 157.6 0.0 306.6



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

