

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055901.D
 Acq On : 30 May 2019 15:47
 Operator : JC/SP
 Sample : K3103-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 55-ST-15

Quant Time: May 31 05:13:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	50423	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	268869	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	216725	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	100796	30.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.93%
60) 4-Bromofluorobenzene	12.40	95	79374	23.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.47%
63) Toluene-d8	10.09	98	312953	31.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.33%

Target Compounds

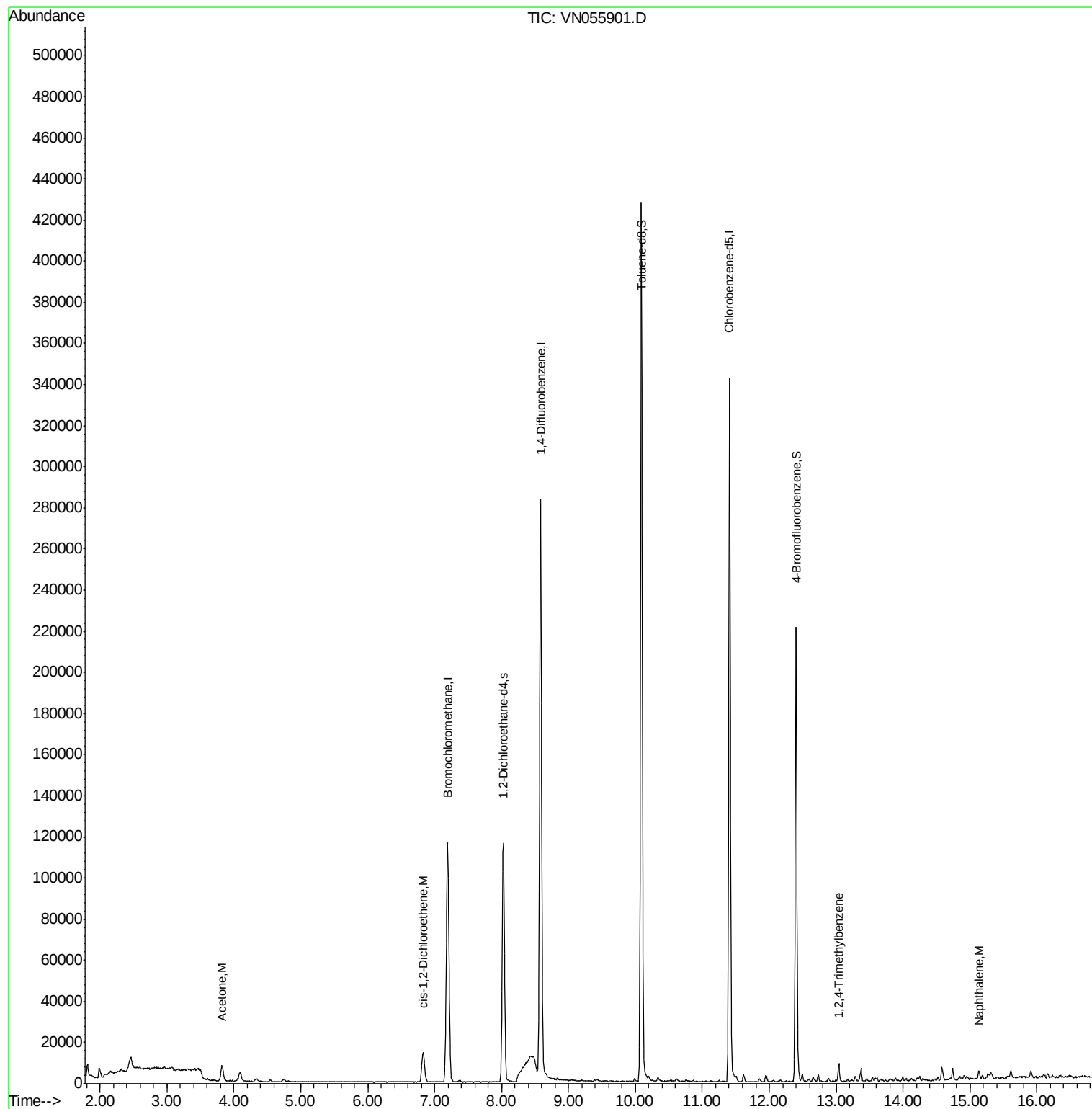
					Ovalue
15) Acetone	3.82	58	3955	8.581 ug/l	88
22) cis-1,2-Dichloroethene	6.82	96	10278	3.078 ug/l	87
80) 1,2,4-Trimethylbenzene	13.04	105	6530	0.635 ug/l	92
91) Naphthalene	15.13	128	4446	0.576 ug/l #	89

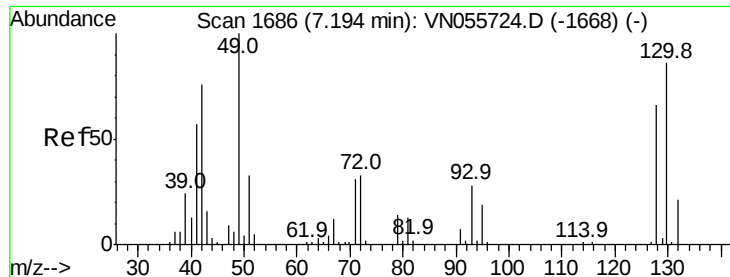
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 23 05:54:54 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055901.D

Acq: 30 May 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

55-ST-15

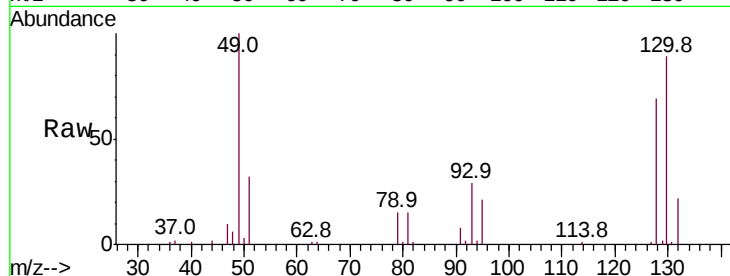
Tot Ion:128 Resp: 50423

Ion Ratio Lower Upper

128 100

49 146.8 0.0 383.2

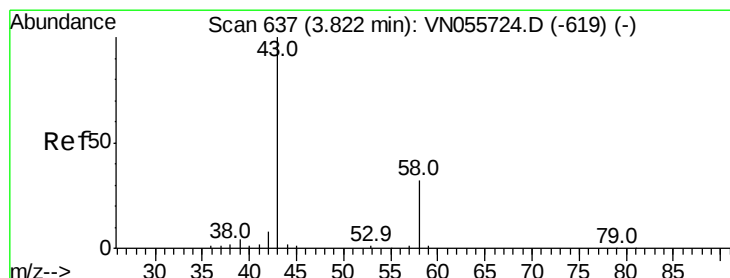
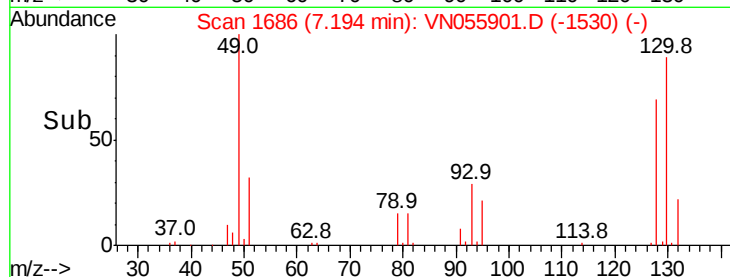
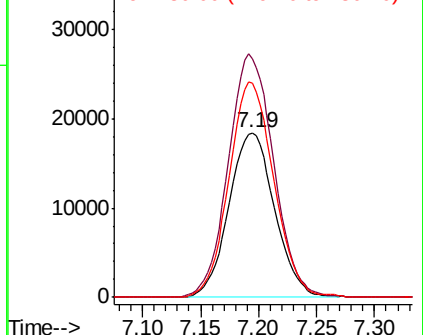
130 128.3 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 8.581 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055901.D

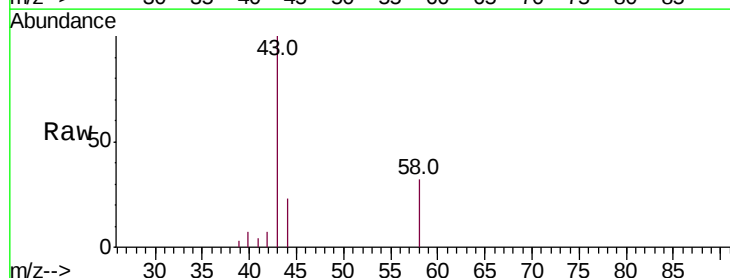
Acq: 30 May 2019 15:47

Tgt Ion: 58 Resp: 3955

Ion Ratio Lower Upper

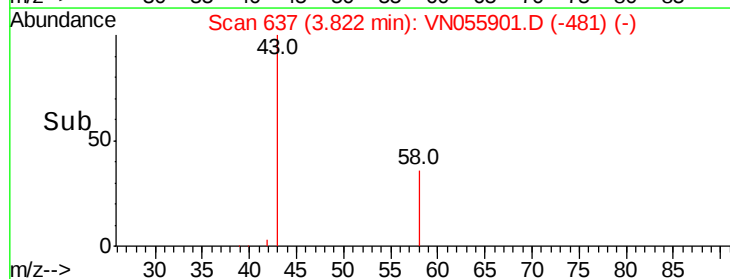
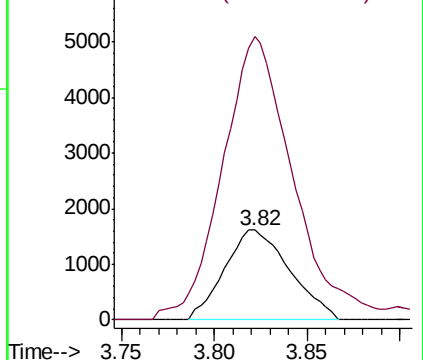
58 100

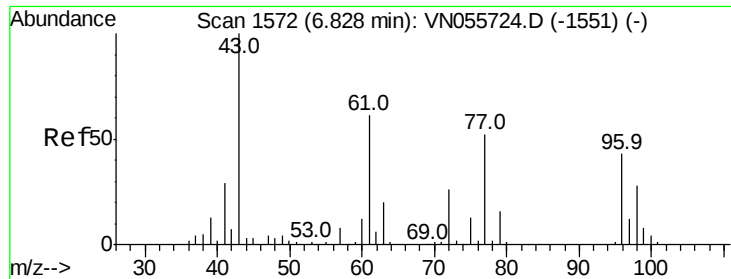
43 286.2 248.8 373.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#22

cis-1,2-Dichloroethene

Concen: 3.078 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055901.D

Acq: 30 May 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

55-ST-15

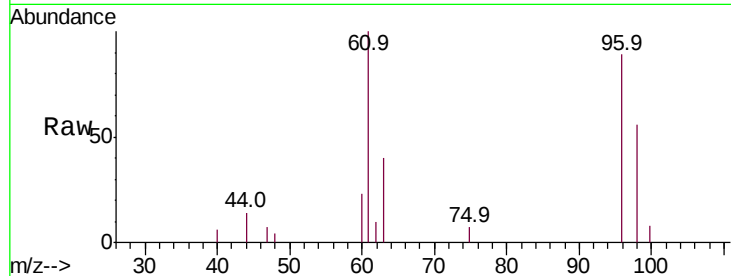
Tot Ion: 96 Resp: 10278

Ion Ratio Lower Upper

96 100

61 122.1 115.7 173.5

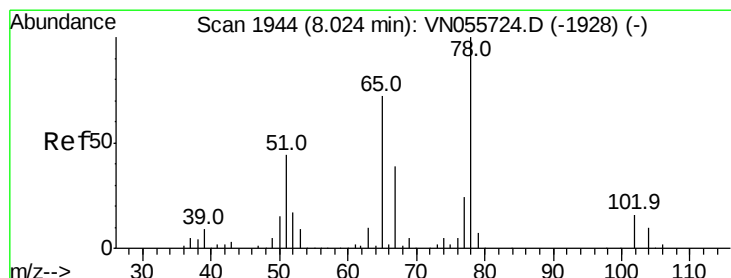
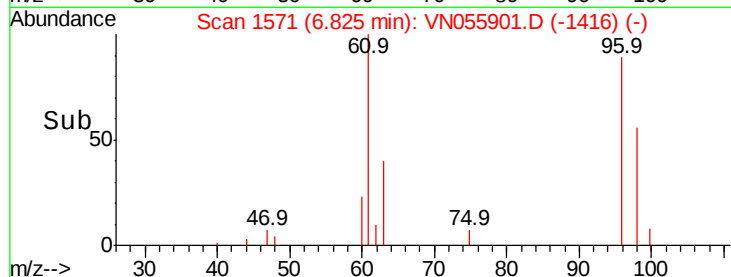
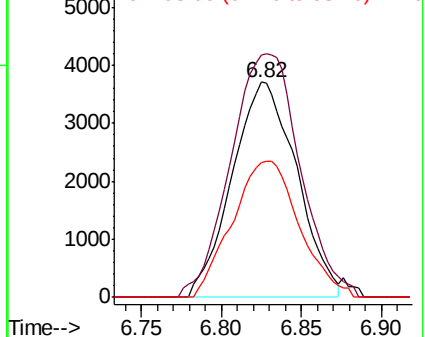
98 65.8 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VN055901.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN055901.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN055901.D (-1551) (-)



#27

1,2-Dichloroethane-d4

Concen: 30.583 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055901.D

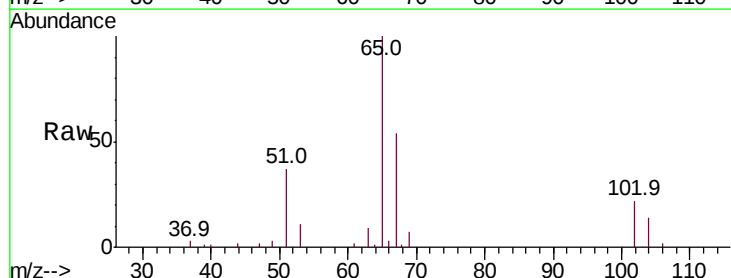
Acq: 30 May 2019 15:47

Tgt Ion: 65 Resp: 100796

Ion Ratio Lower Upper

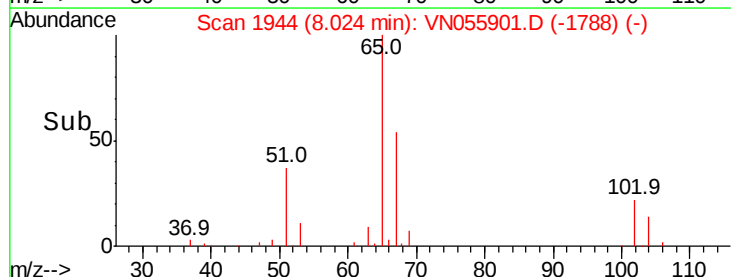
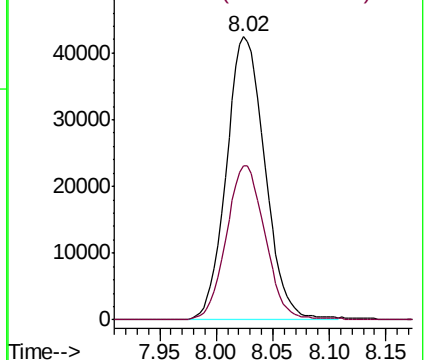
65 100

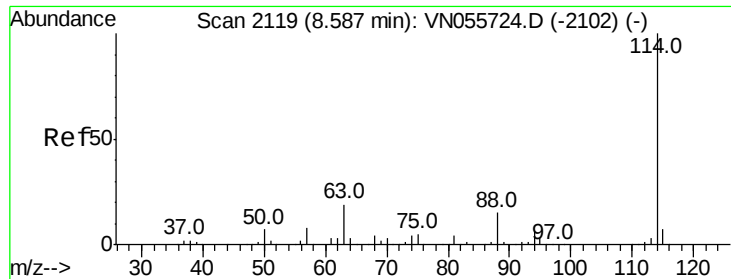
67 54.5 43.5 65.3



Abundance Ion 65.00 (64.70 to 65.70): VN055901.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN055901.D (-1928) (-)





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055901.D

Acq: 30 May 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

55-ST-15

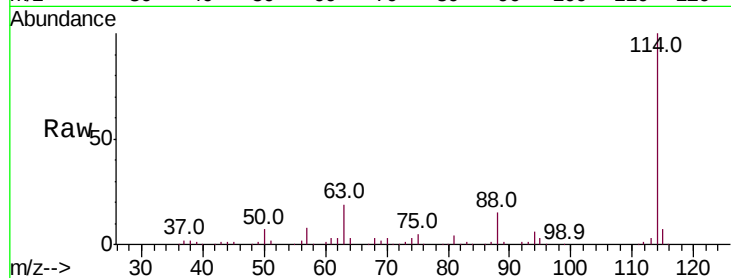
Tot Ion:114 Resp: 268869

Ion Ratio Lower Upper

114 100

63 19.8 15.6 23.4

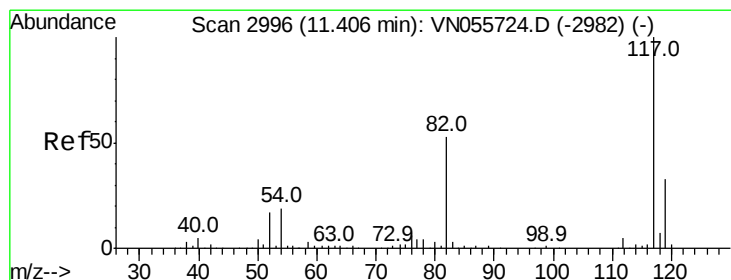
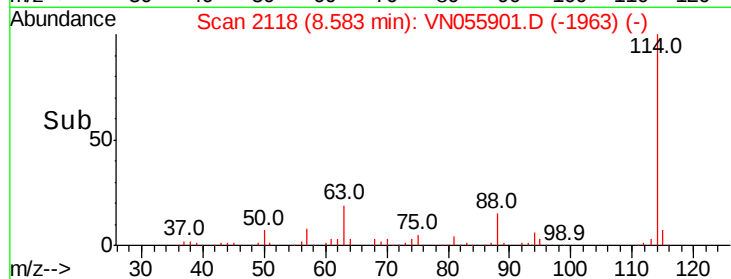
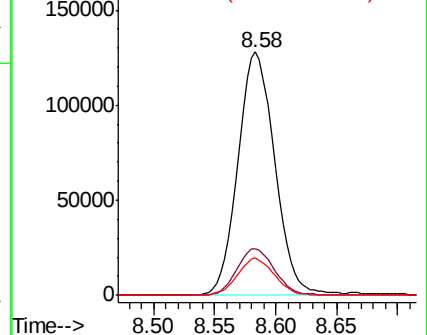
88 15.1 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055901.D

Acq: 30 May 2019 15:47

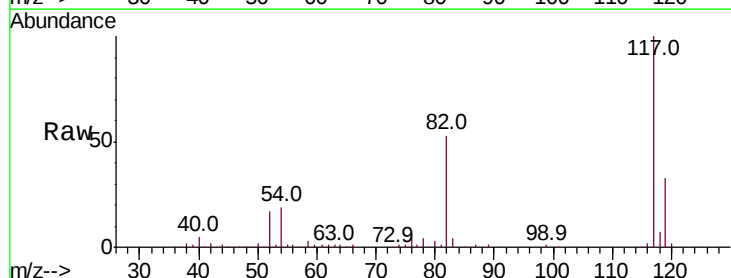
Tgt Ion:117 Resp: 216725

Ion Ratio Lower Upper

117 100

82 53.0 42.6 64.0

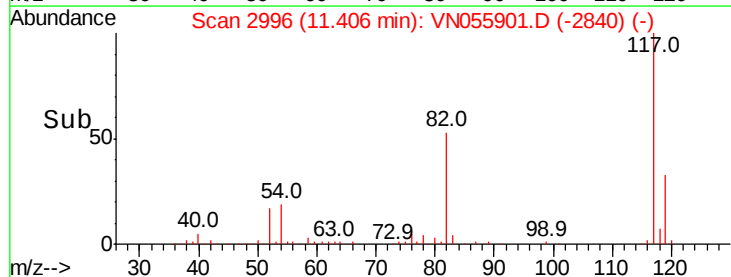
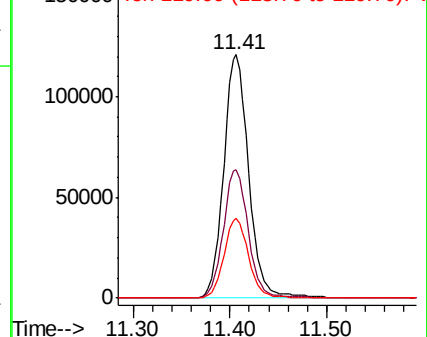
119 32.2 25.9 38.9

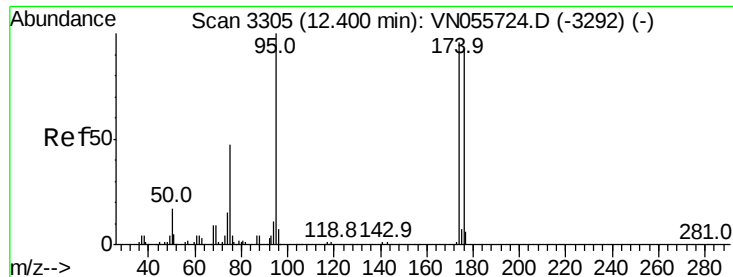


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 23.543 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055901.D

Acq: 30 May 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

55-ST-15

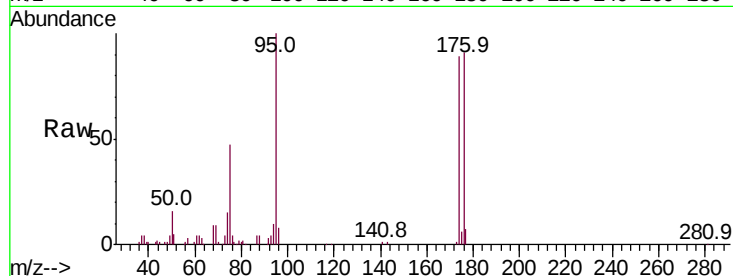
Tot Ion: 95 Resp: 79374

Ion Ratio Lower Upper

95 100

174 90.7 75.7 113.5

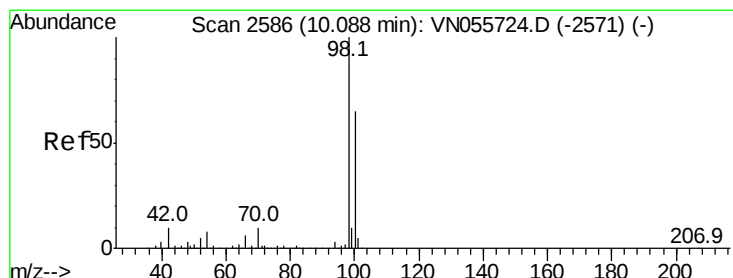
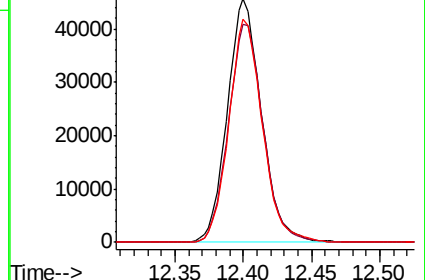
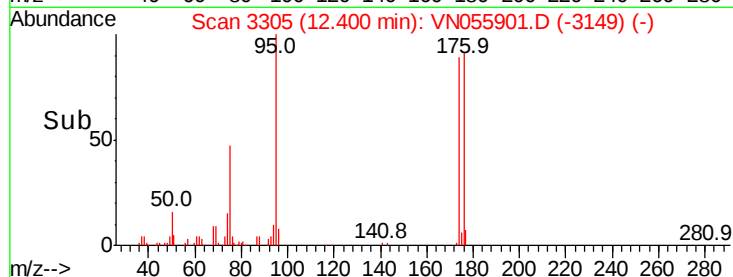
176 90.1 74.1 111.1



Abundance Ion 95.00 (94.70 to 95.70): VN055901.D (-2430) (-)

Ion 174.00 (173.70 to 174.70): VN055901.D (-2430) (-)

Ion 176.00 (175.70 to 176.70): VN055901.D (-2430) (-)



#63

Toluene-d8

Concen: 31.598 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055901.D

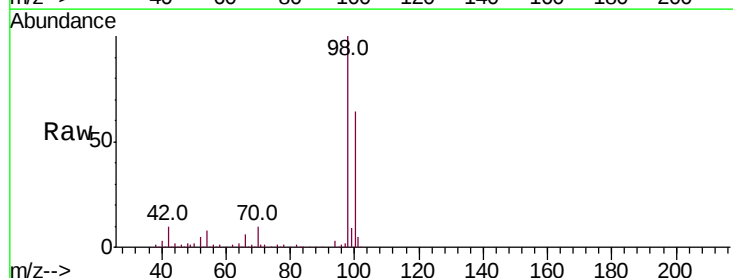
Acq: 30 May 2019 15:47

Tgt Ion: 98 Resp: 312953

Ion Ratio Lower Upper

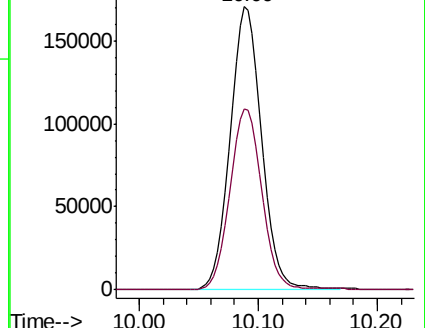
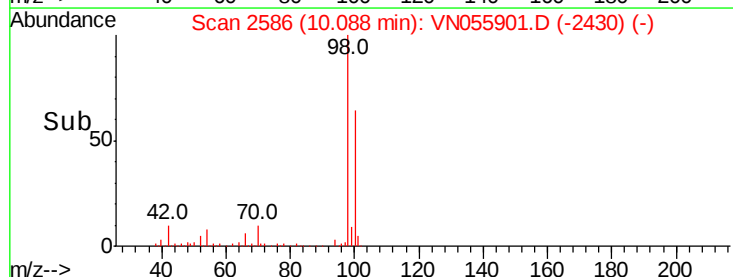
98 100

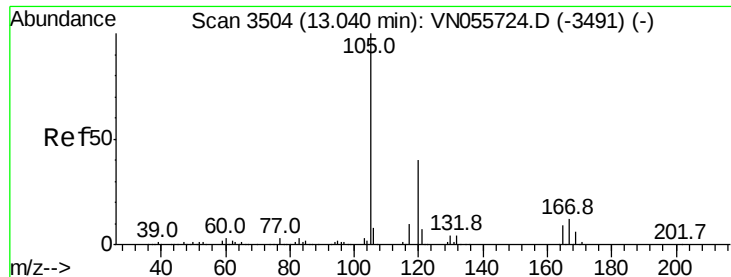
100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055901.D (-2430) (-)

Ion 100.00 (99.70 to 100.70): VN055901.D (-2430) (-)





#80

1,2,4-Trimethylbenzene

Concen: 0.635 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN055901.D

Acq: 30 May 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

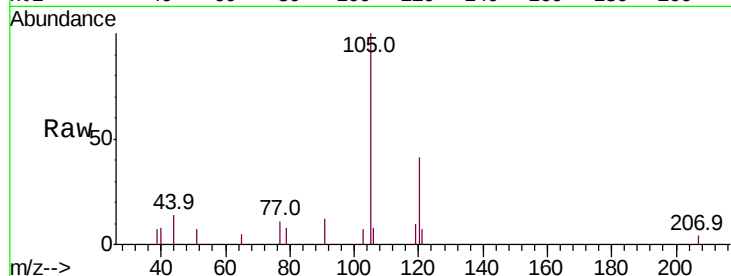
55-ST-15

Tot Ion:105 Resp: 6530

Ion Ratio Lower Upper

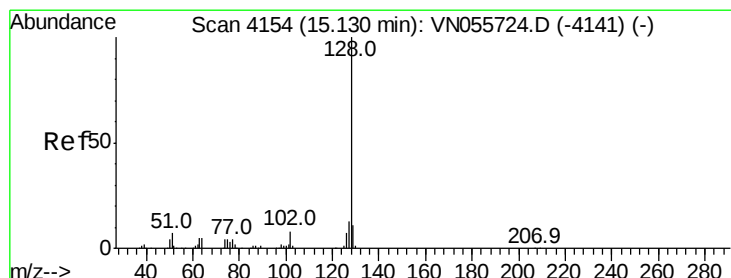
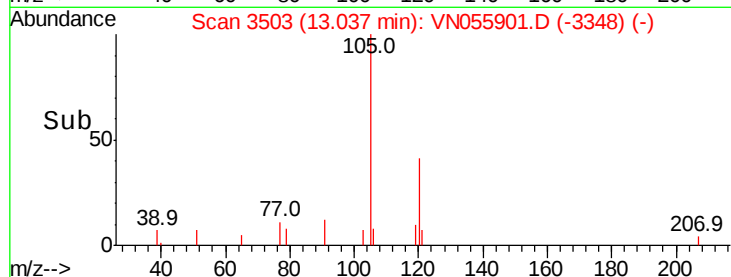
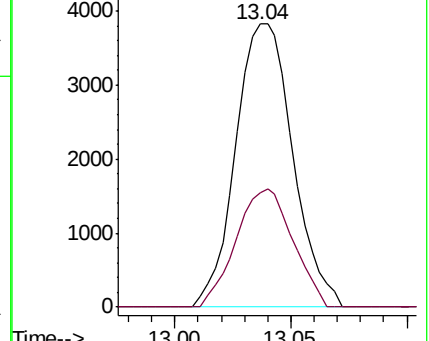
105 100

120 41.6 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#91

Naphthalene

Concen: 0.576 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055901.D

Acq: 30 May 2019 15:47

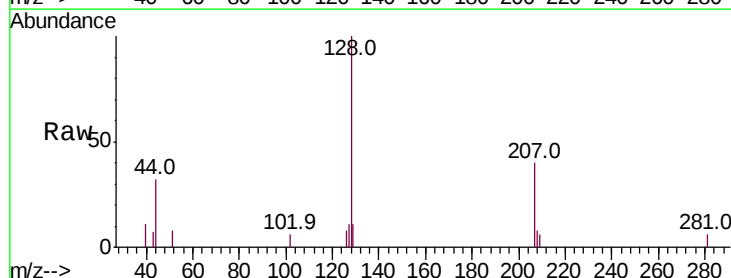
Tgt Ion:128 Resp: 4446

Ion Ratio Lower Upper

128 100

127 9.3 10.0 15.0#

129 5.8 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

