

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058208.D
 Acq On : 19 Sep 2019 17:03
 Operator : JC/SP
 Sample : K4952-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 04:22:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	517772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	850223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	718080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295321	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	370854	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
35) Dibromofluoromethane	7.58	113	257429	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	10.08	98	1050433	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.41	95	334864	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

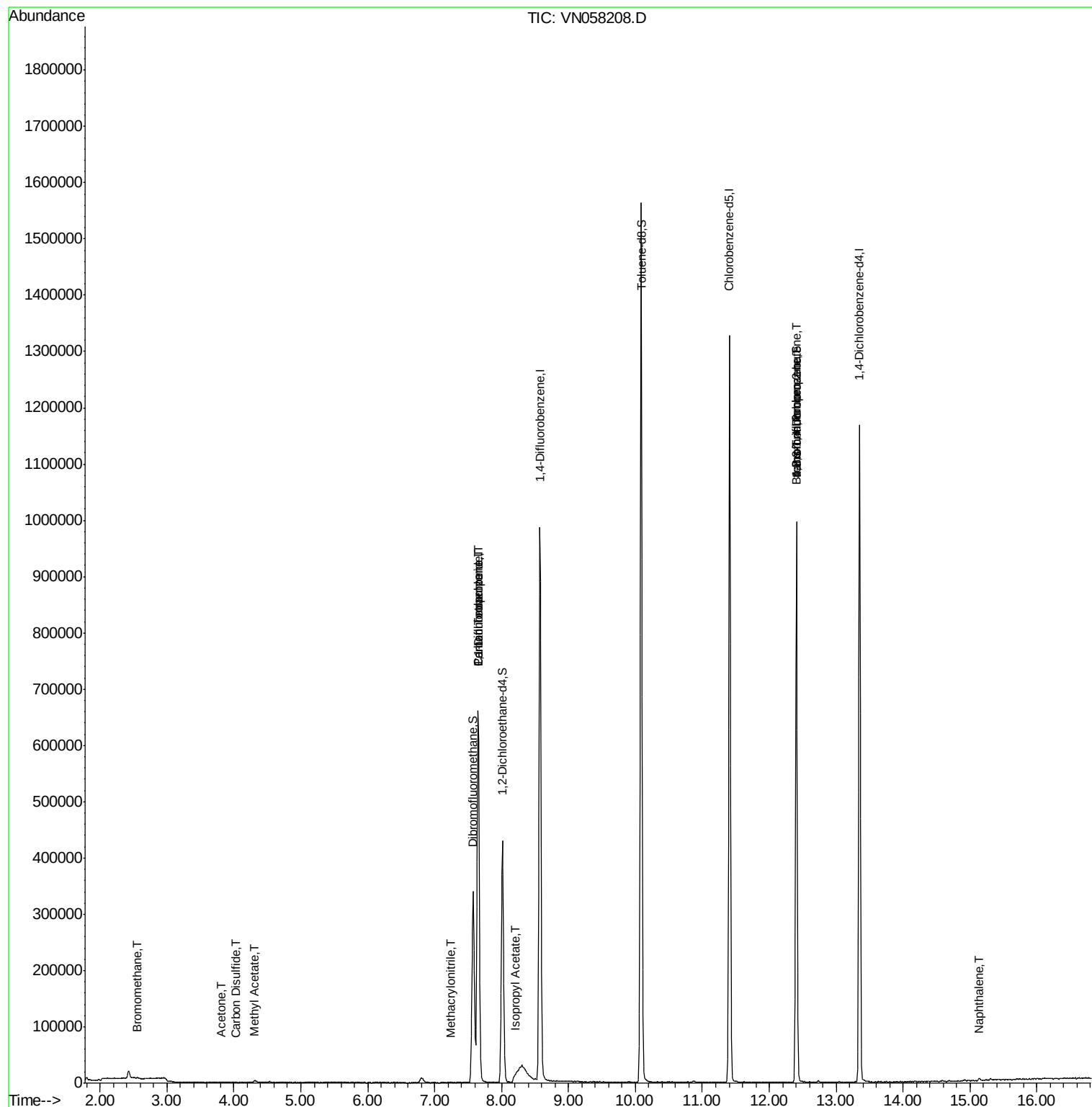
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	541	Below Cal	#	81
5) Bromomethane	2.55	94	222	0.838	ug/l #	30
6) Chloroethane	2.93	64	70	Below Cal	#	44
16) Acetone	3.80	43	541	0.221	ug/l #	45
17) Carbon Disulfide	4.03	76	266	0.330	ug/l #	74
18) Methyl Acetate	4.32	43	7098	1.102	ug/l #	79
20) Methylene Chloride	4.53	84	864	Below Cal	#	83
31) Cyclohexane	7.65	56	12891	Below Cal	#	5
36) 1,1-Dichloropropene	7.65	75	43485	7.092	ug/l #	51
38) Carbon Tetrachloride	7.65	117	53193	8.630	ug/l #	14
41) Methacrylonitrile	7.23	41	123	0.949	ug/l #	100
43) Isopropyl Acetate	8.20	43	8417	0.708	ug/l #	57
71) Bromoform	12.39	173	372	3.697	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	186860	35.355	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	186860	98.841	ug/l #	5
95) Naphthalene	15.14	128	3831	0.272	ug/l	96

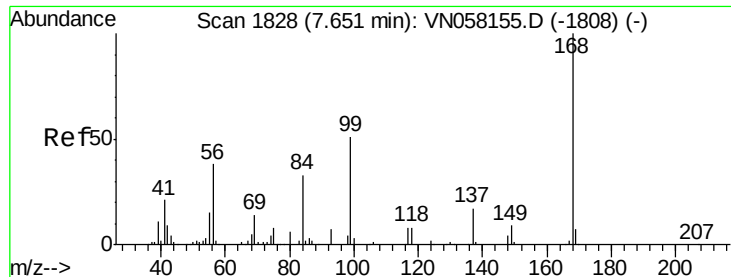
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

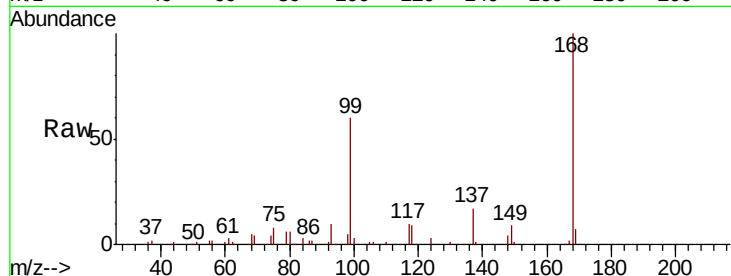
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 517772

Ion Ratio Lower Upper

168 100

99 59.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

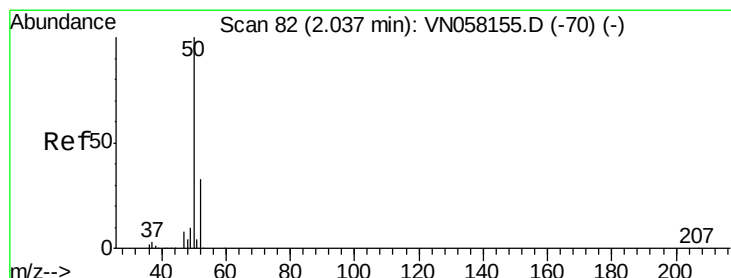
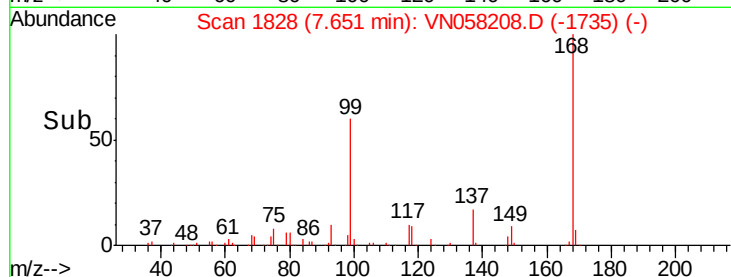
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058208.D

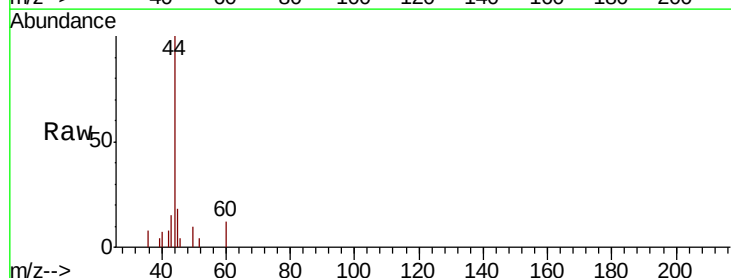
Acq: 19 Sep 2019 17:03

Tgt Ion: 50 Resp: 541

Ion Ratio Lower Upper

50 100

52 43.6 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

500

400

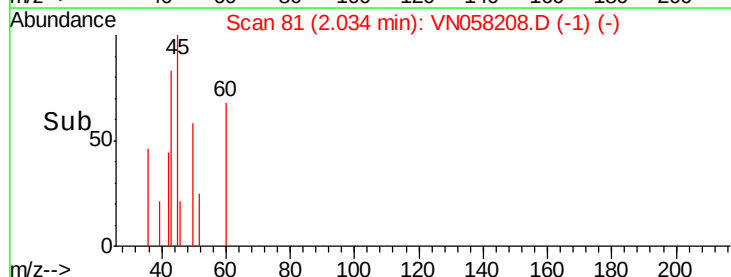
300

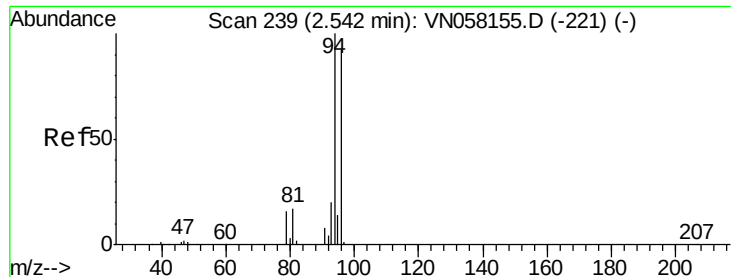
200

100

0

Time-->





#5

Bromomethane

Concen: 0.838 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

Instrument :

MSVOA_N

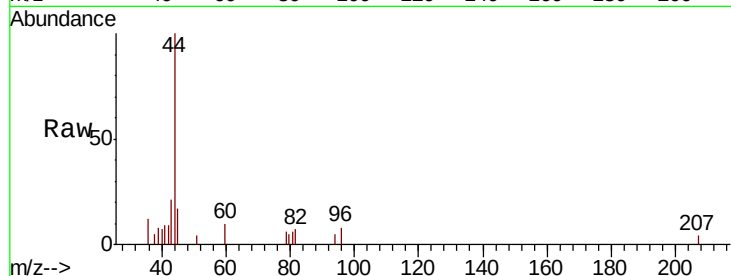
ClientSampled :

Tot Ion: 94 Resp: 222

Ion Ratio Lower Upper

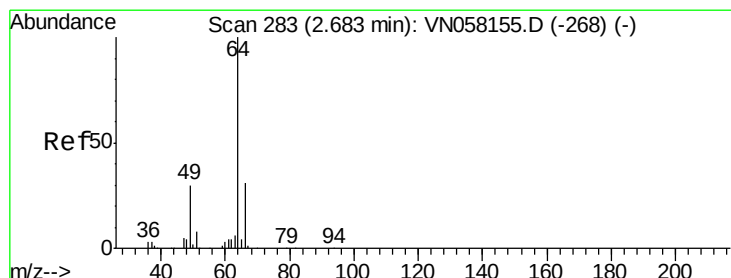
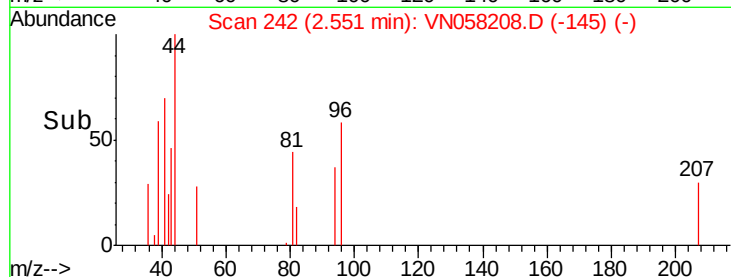
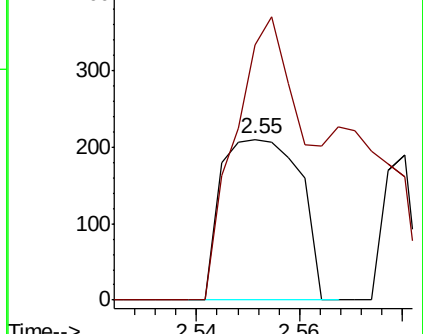
94 100

96 158.6 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: Below Cal

RT: 2.93 min Scan# 360

Delta R.T. 0.25 min

Lab File: VN058208.D

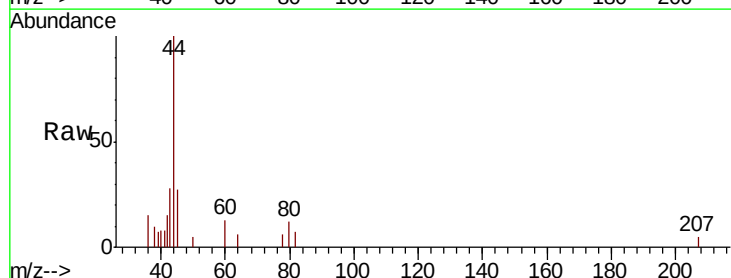
Acq: 19 Sep 2019 17:03

Tgt Ion: 64 Resp: 70

Ion Ratio Lower Upper

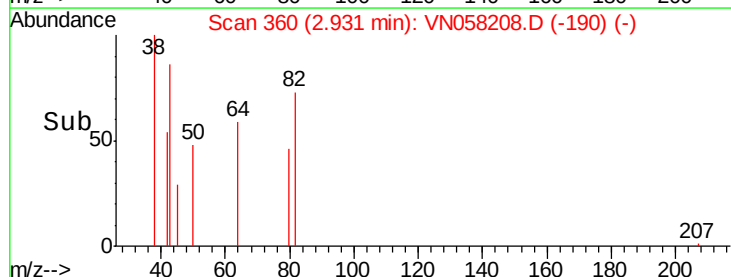
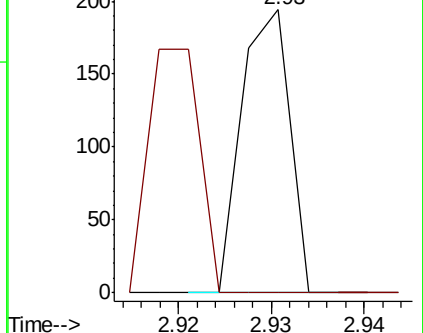
64 100

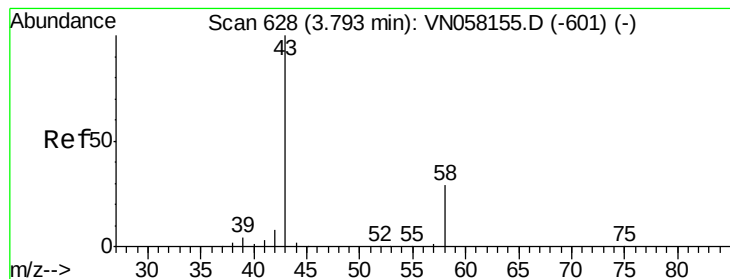
66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#16

Acetone

Concen: 0.221 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

Instrument :

MSVOA_N

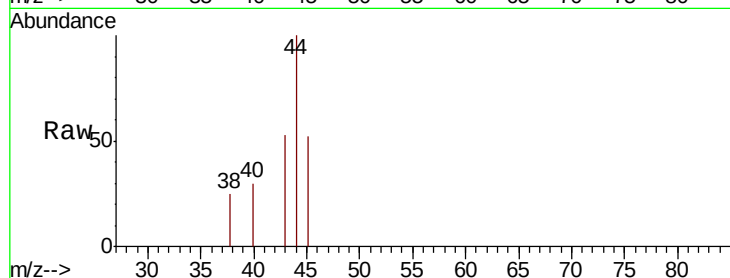
ClientSampled :

Tot Ion: 43 Resp: 541

Ion Ratio Lower Upper

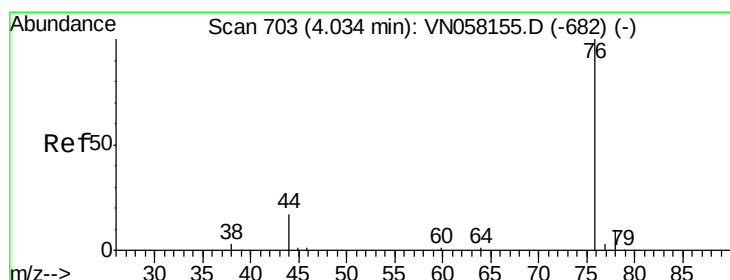
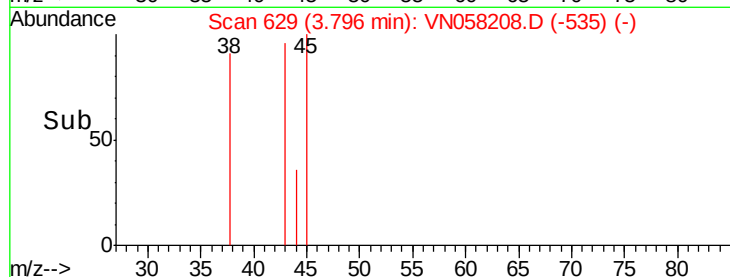
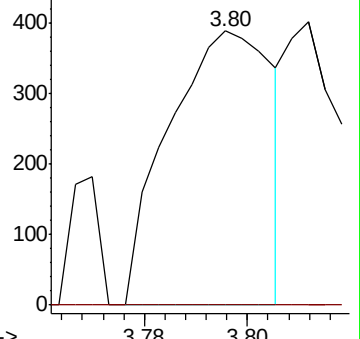
43 100

58 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.330 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058208.D

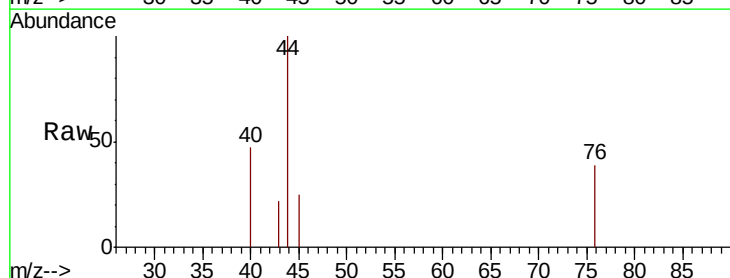
Acq: 19 Sep 2019 17:03

Tgt Ion: 76 Resp: 266

Ion Ratio Lower Upper

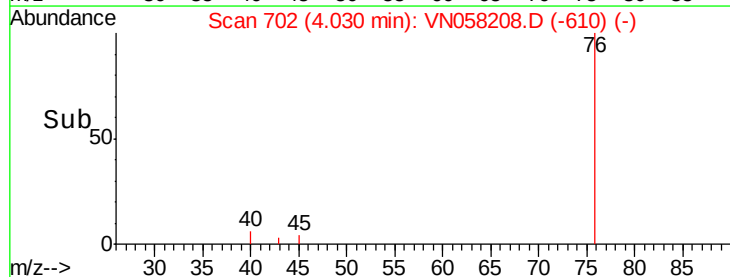
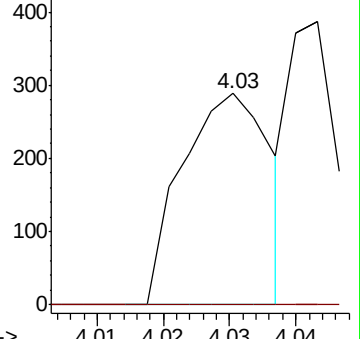
76 100

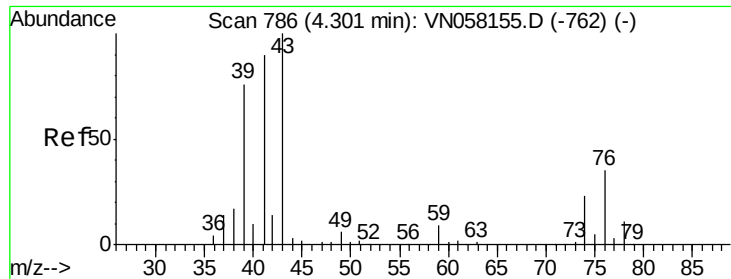
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

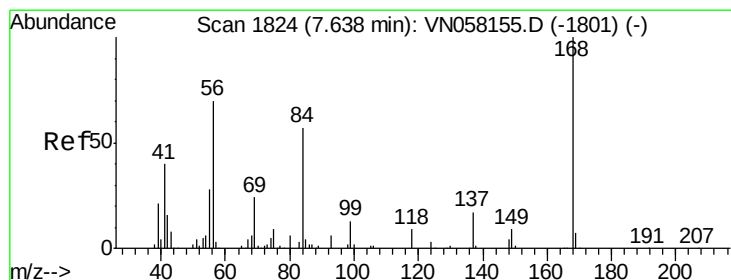
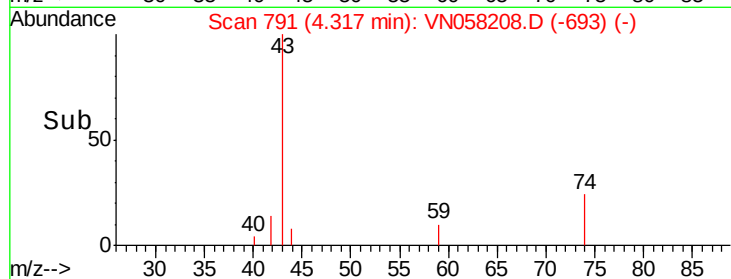
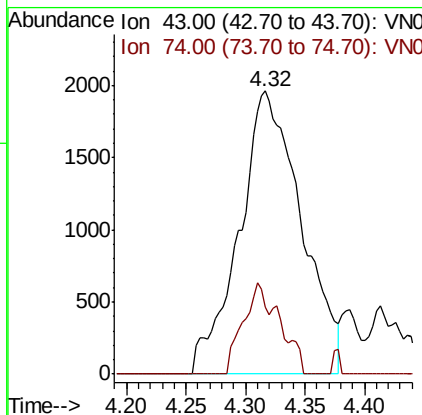
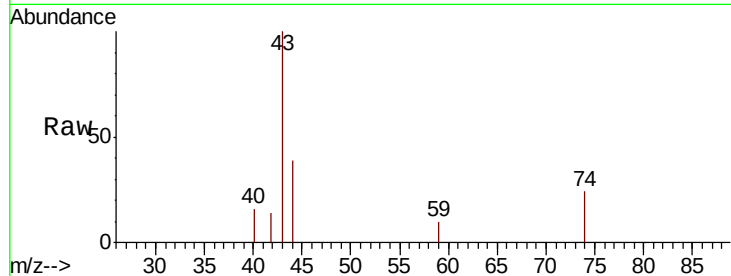




#18
Methvl Acetate
Concen: 1.102 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VN058208.D
Acq: 19 Sep 2019 17:03

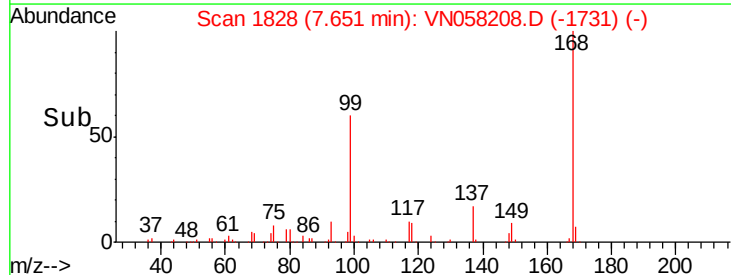
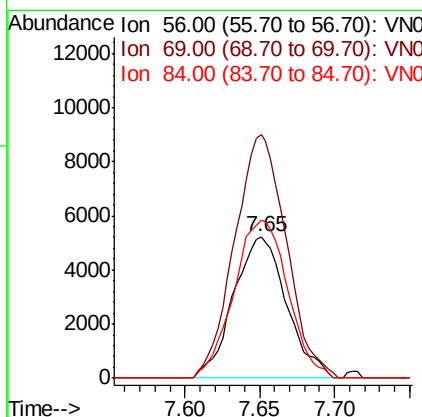
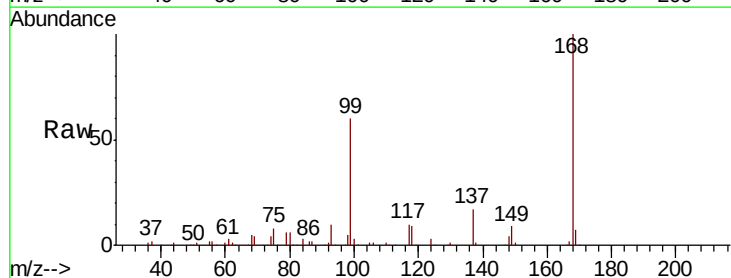
Instrument :
MSVOA_N
ClientSampled :

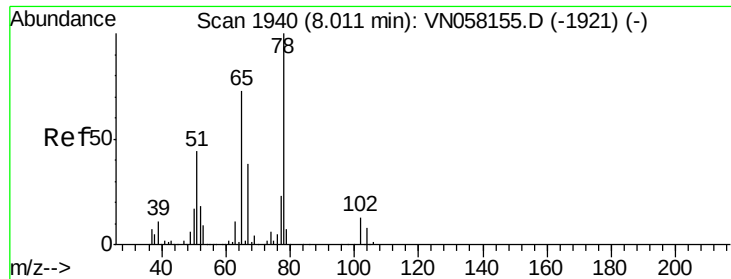
Tot Ion: 43 Resp: 7098
Ion Ratio Lower Upper
43 100
74 12.3 18.0 27.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058208.D
Acq: 19 Sep 2019 17:03

Tgt Ion: 56 Resp: 12891
Ion Ratio Lower Upper
56 100
69 172.0 27.3 40.9#
84 111.8 65.0 97.4#

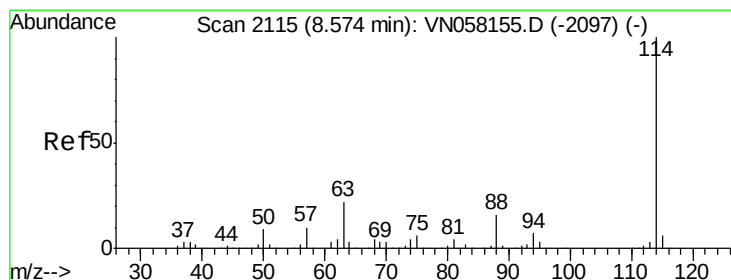
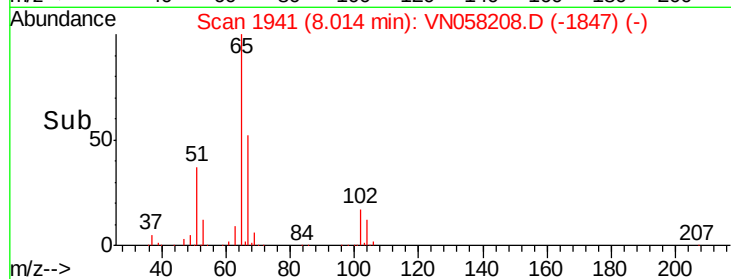
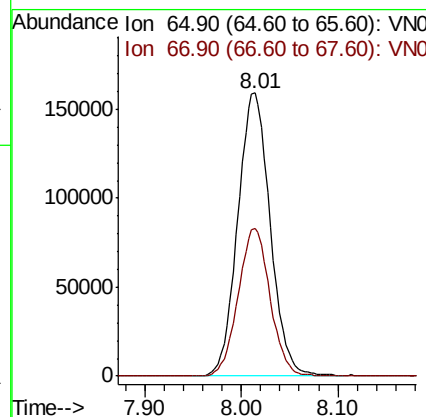
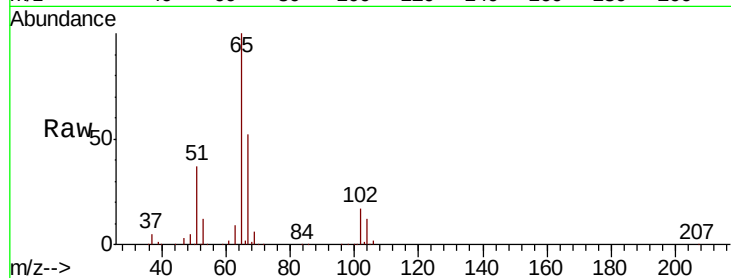




#33
 1,2-Dichloroethane-d4
 Concen: 51.425 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058208.D
 Acq: 19 Sep 2019 17:03

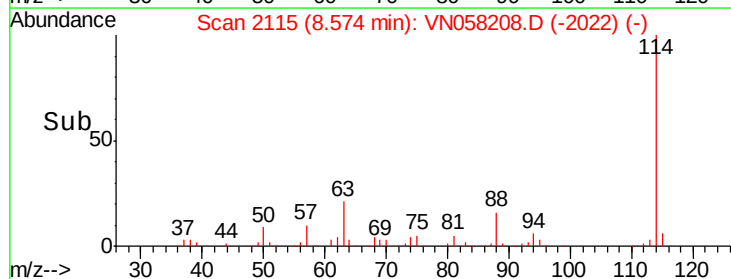
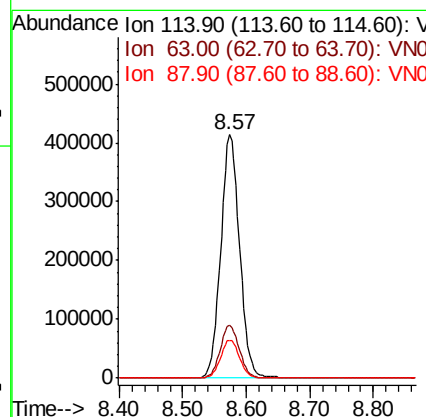
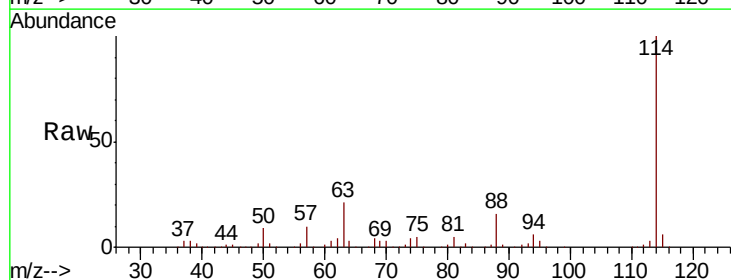
Instrument :
 MSVOA_N
 ClientSampleId :

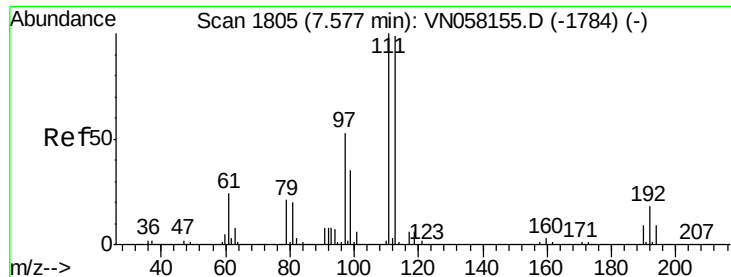
Tot Ion: 65 Resp: 370854
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058208.D
 Acq: 19 Sep 2019 17:03

Tgt Ion: 114 Resp: 850223
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.2
 88 15.7 0.0 31.6

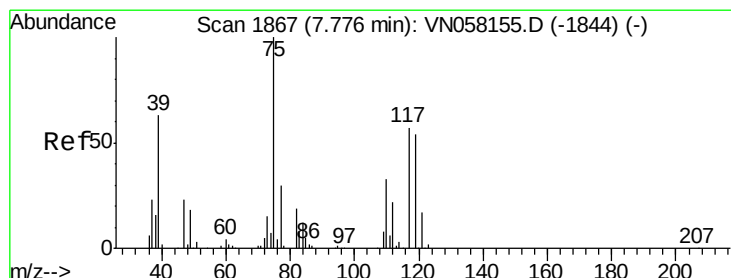
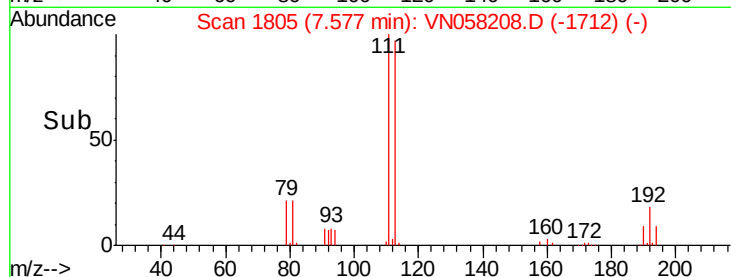
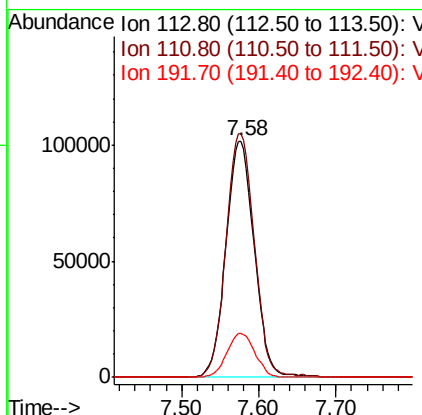
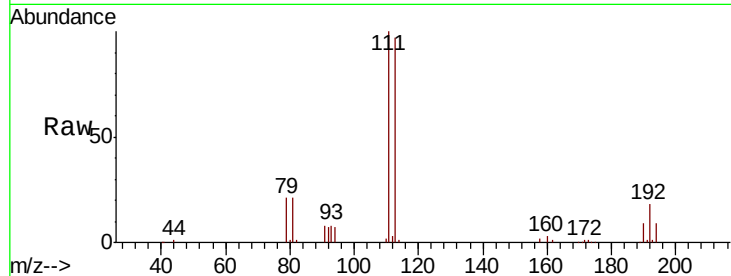




#35
 Dibromofluoromethane
 Concen: 49.806 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058208.D
 Acq: 19 Sep 2019 17:03

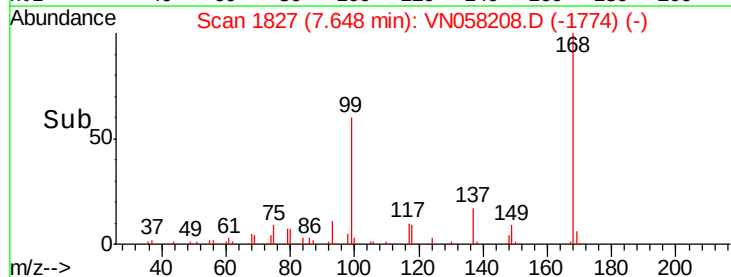
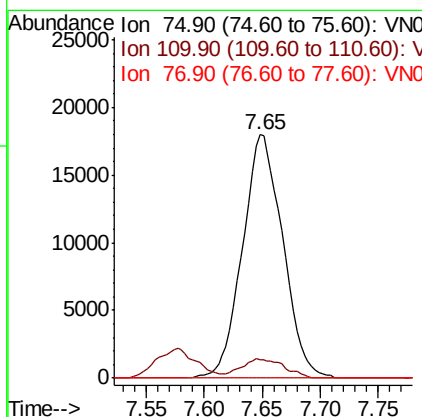
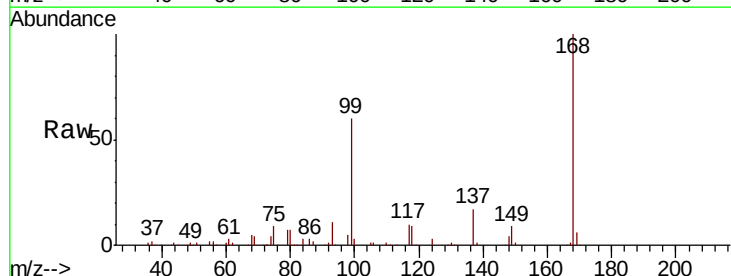
Instrument :
 MSVOA_N
 ClientSampled :

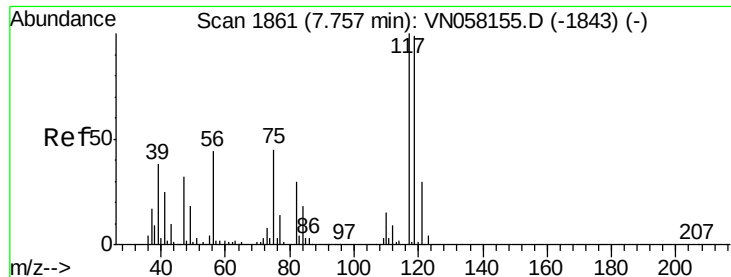
Tot Ion:113 Resp: 257429
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.6
 192 18.4 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 7.092 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058208.D
 Acq: 19 Sep 2019 17:03

Tgt Ion: 75 Resp: 43485
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.6 49.7#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 8.630 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

Instrument :

MSVOA_N

ClientSampled :

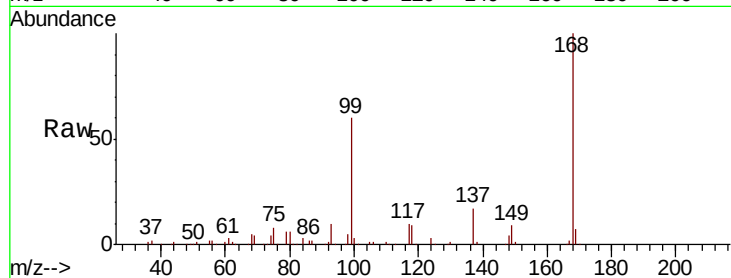
Tot Ion:117 Resp: 53193

Ion Ratio Lower Upper

117 100

119 4.2 78.6 117.8#

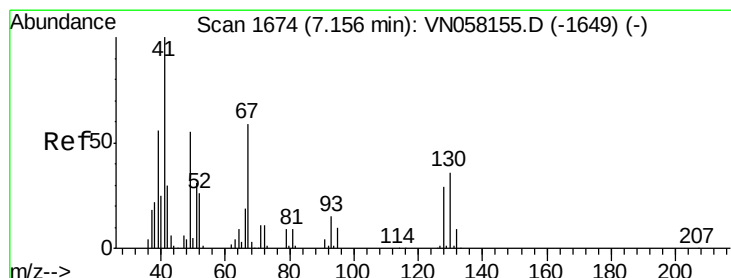
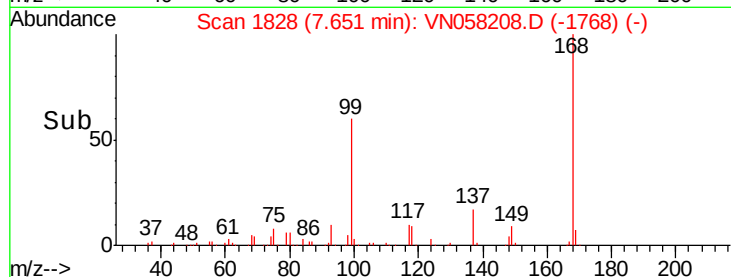
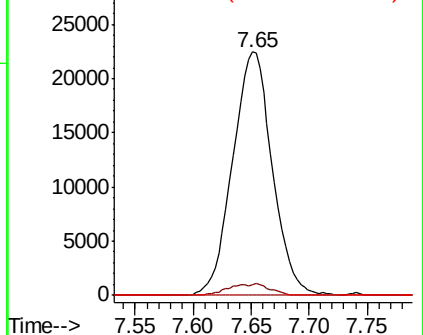
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 0.949 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.07 min

Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

Tgt Ion: 41 Resp: 123

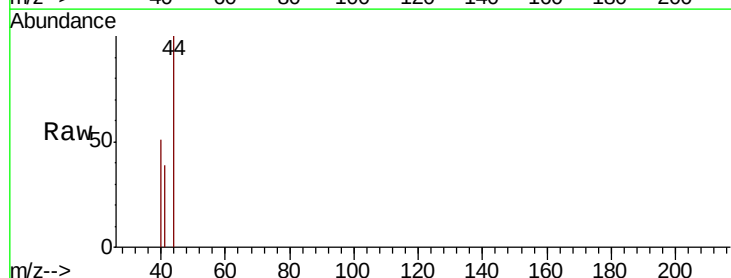
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

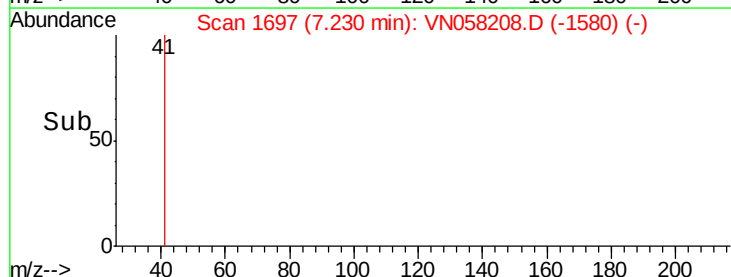
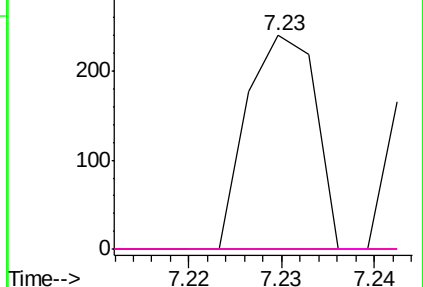


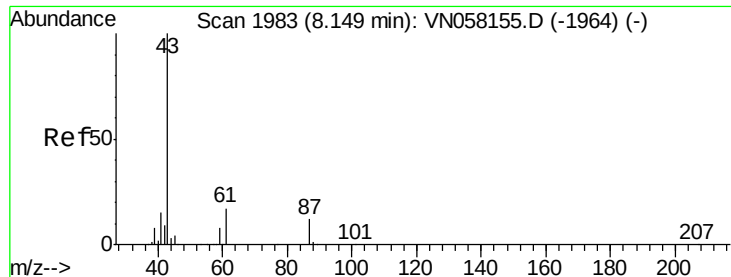
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

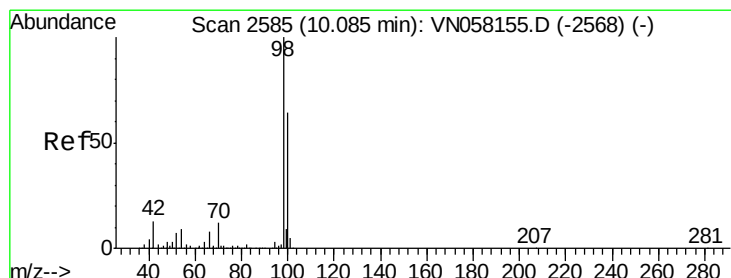
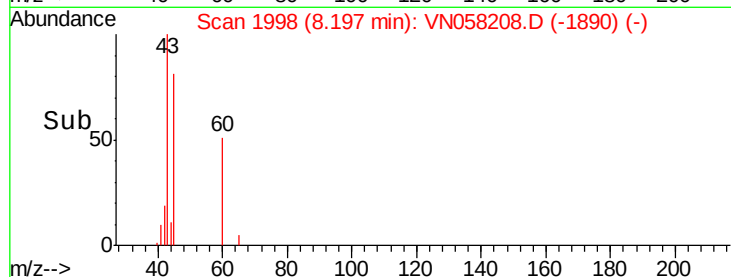
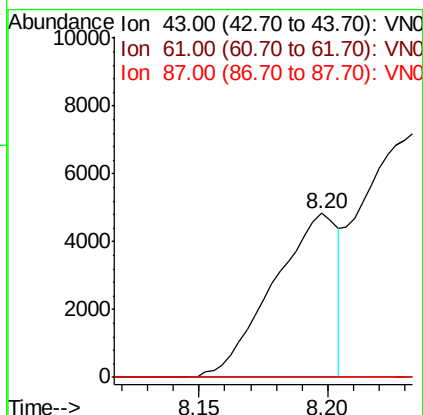
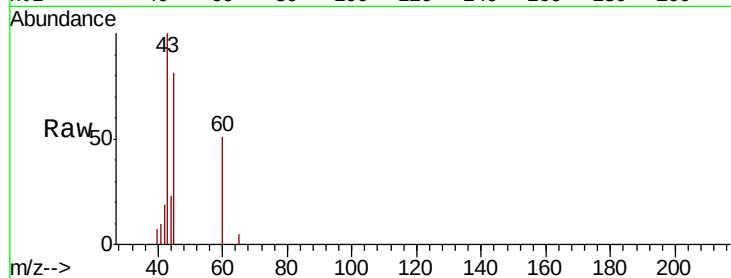




#43
Isopropyl Acetate
Concen: 0.708 ug/l
RT: 8.20 min Scan# 1998
Delta R.T. 0.05 min
Lab File: VN058208.D
Acq: 19 Sep 2019 17:03

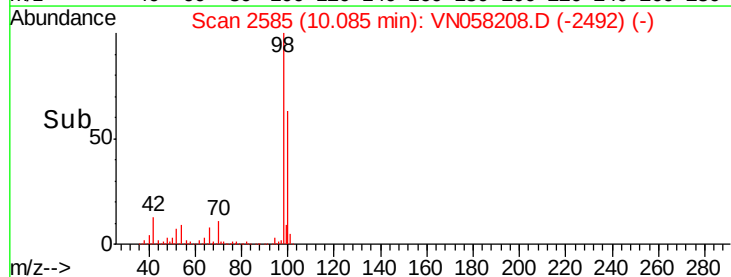
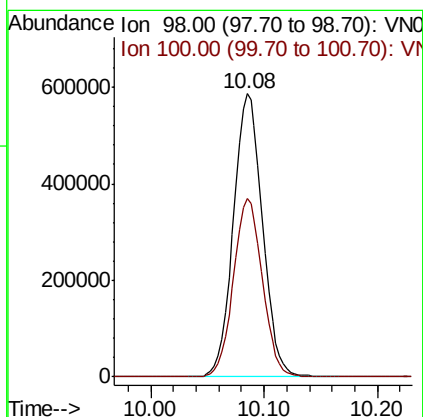
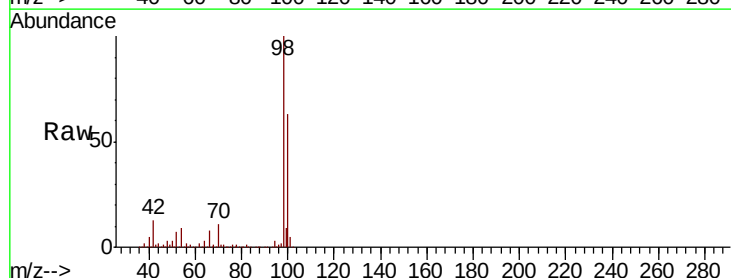
Instrument :
MSVOA_N
ClientSampled :

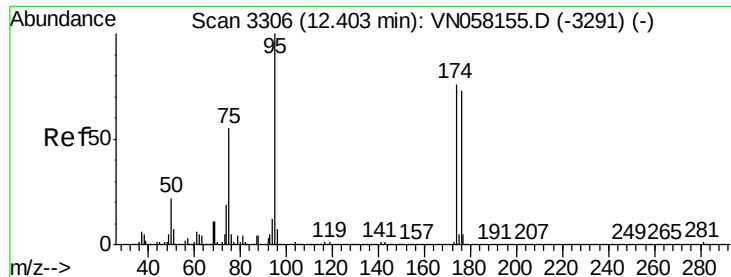
Tot Ion: 43 Resp: 8417
Ion Ratio Lower Upper
43 100
61 0.0 19.7 29.5#
87 0.0 9.4 14.2#



#50
Toluene-d8
Concen: 52.161 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058208.D
Acq: 19 Sep 2019 17:03

Tgt Ion: 98 Resp: 1050433
Ion Ratio Lower Upper
98 100
100 62.9 51.1 76.7

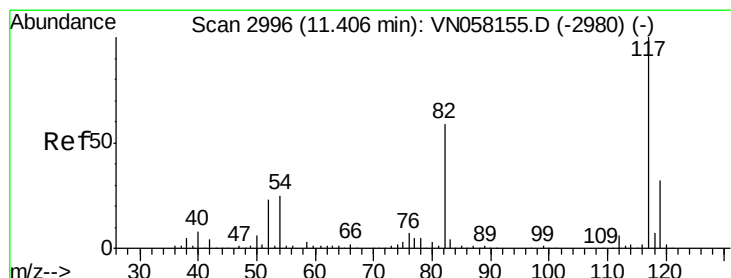
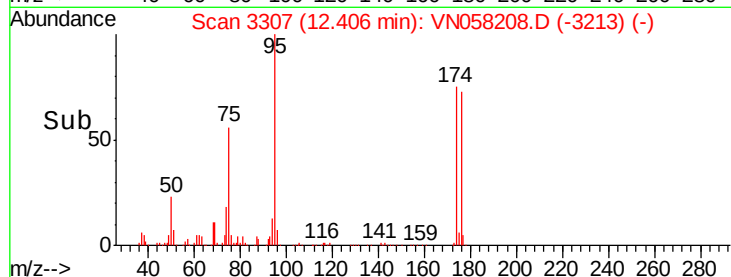
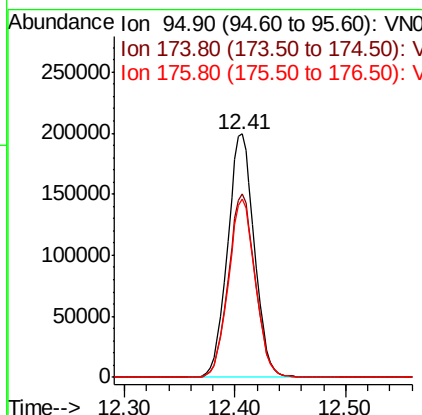
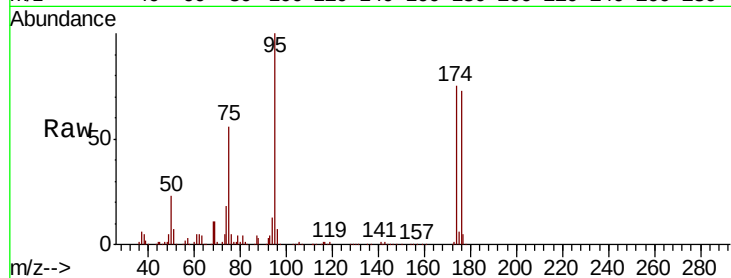




#62
4-Bromofluorobenzene
Concen: 44.765 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058208.D
Acq: 19 Sep 2019 17:03

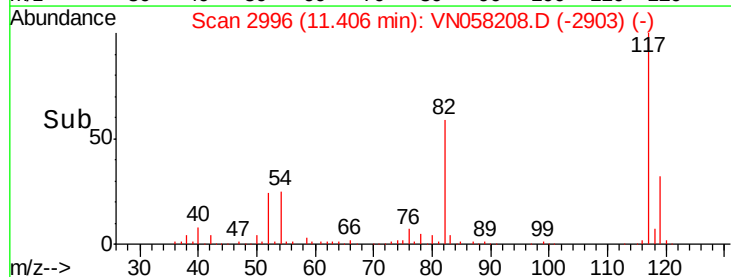
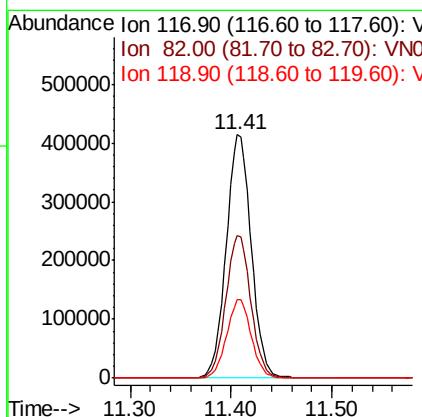
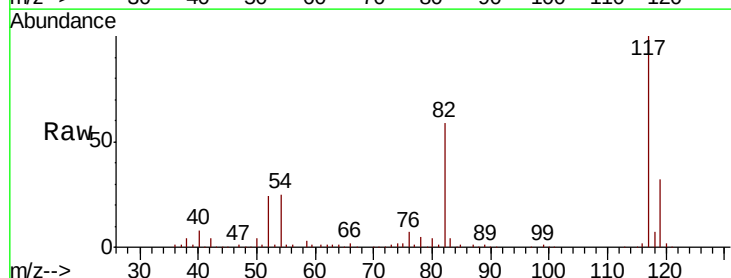
Instrument :
MSVOA_N
ClientSampled :

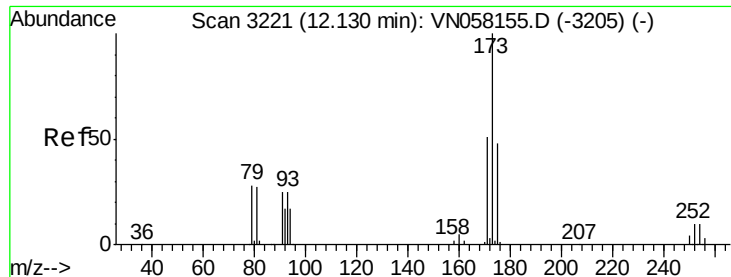
Tot Ion: 95 Resp: 334864
Ion Ratio Lower Upper
95 100
174 75.8 0.0 152.2
176 73.6 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058208.D
Acq: 19 Sep 2019 17:03

Tgt Ion: 117 Resp: 718080
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 32.0 25.3 37.9





#71

Bromoform

Concen: 3.697 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

Instrument :

MSVOA_N

ClientSampled :

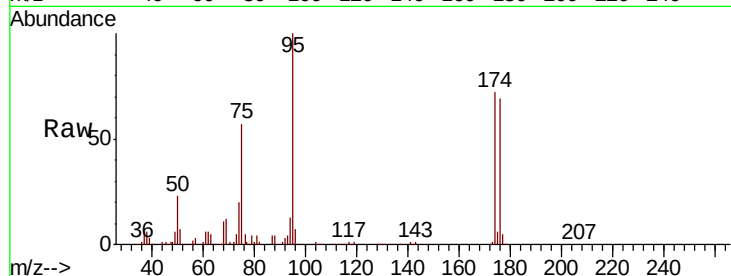
Tot Ion:173 Resp: 372

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

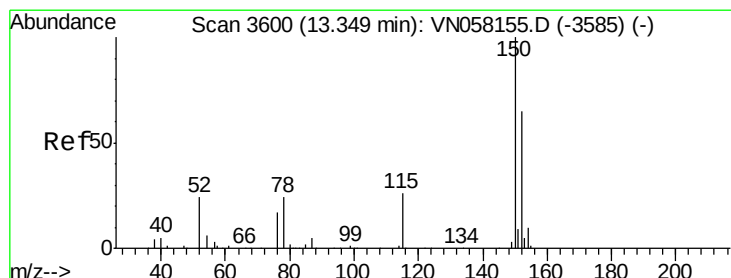
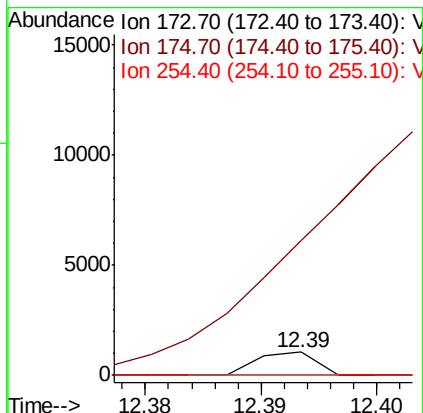
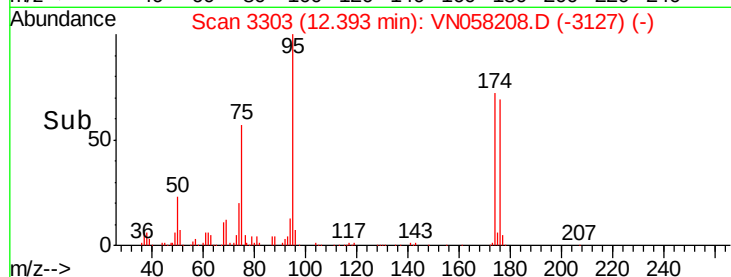
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

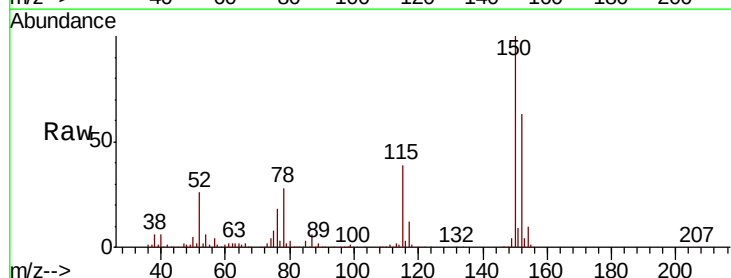
Tgt Ion:152 Resp: 295321

Ion Ratio Lower Upper

152 100

115 60.7 30.1 90.3

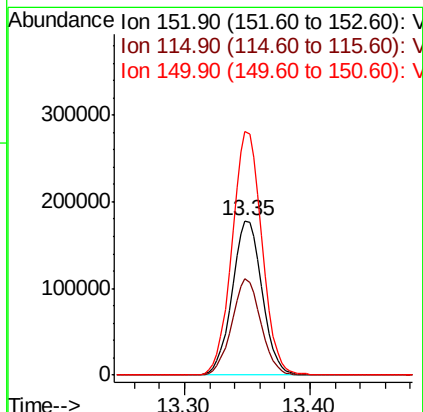
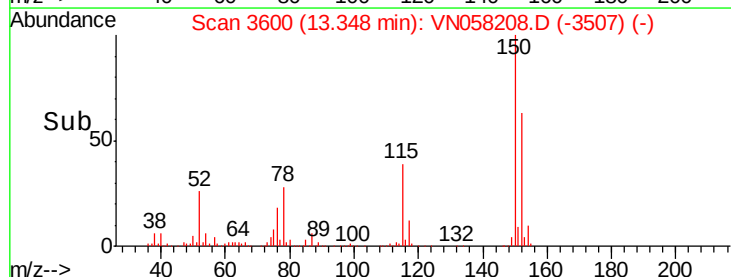
150 157.4 0.0 346.4

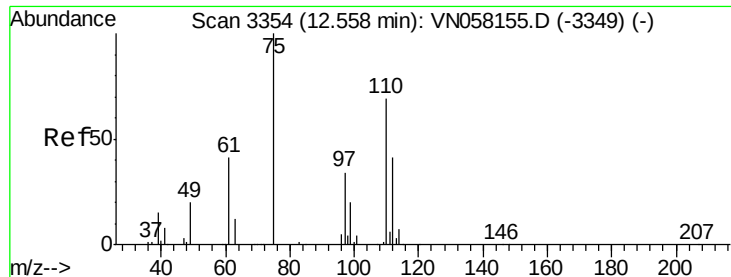


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.355 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

Instrument :

MSVOA_N

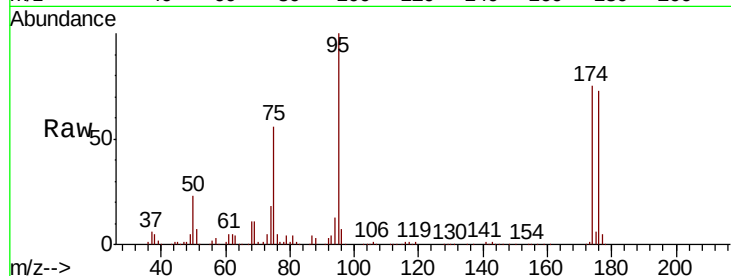
ClientSampleId :

Tot Ion: 75 Resp: 186860

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

40000

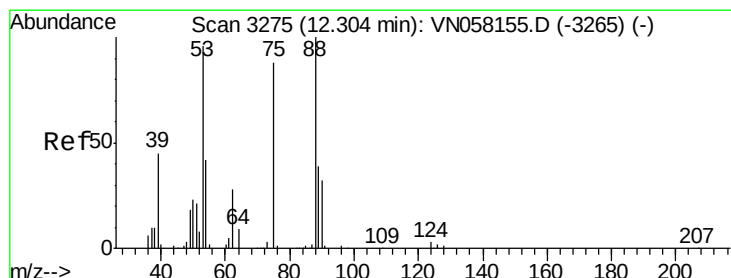
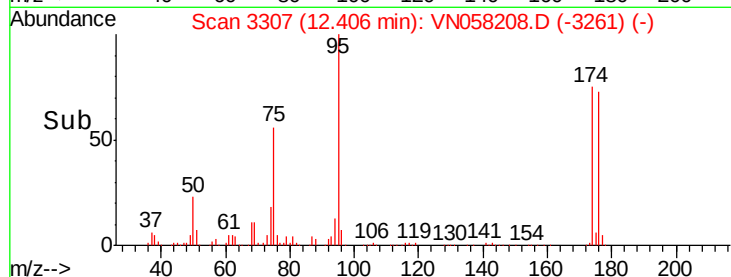
20000

0

12.40

12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 98.841 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

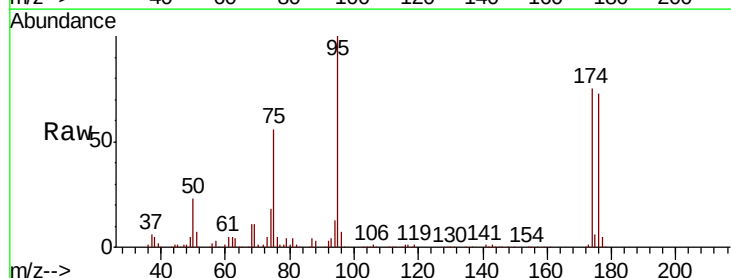
Tgt Ion: 75 Resp: 186860

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 36.2 54.2#



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

150000

100000

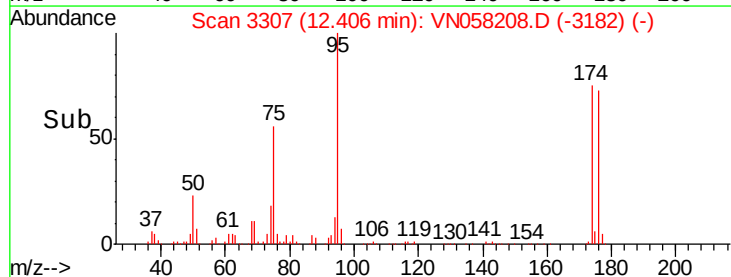
50000

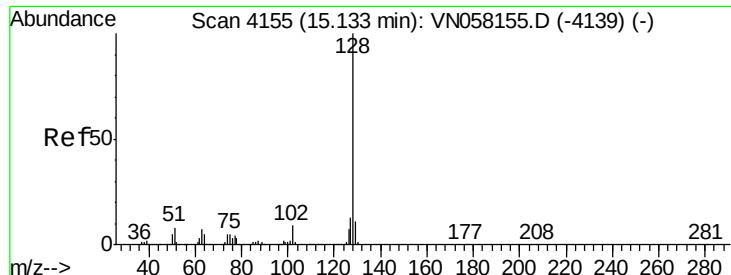
0

12.40

12.50

Time-->





#95

Naphthalene

Concen: 0.272 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

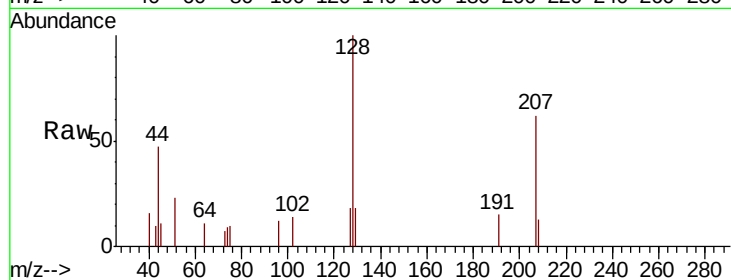
Lab File: VN058208.D

Acq: 19 Sep 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:128 Resp: 3831

Ion Ratio Lower Upper

128 100

127 11.3 10.2 15.2

129 12.7 8.6 12.8

