

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\
 Data File : VN053567.D
 Acq On : 30 Jan 2019 13:14
 Operator : JC/SP
 Sample : K1282-35
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TPW1

Quant Time: Jan 31 06:14:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 31 05:27:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	811358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1311728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1160552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	494573	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	423647	52.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.10%	
35) Dibromofluoromethane	7.59	113	418358	50.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.94%	
50) Toluene-d8	10.09	98	1553201	49.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	511500	49.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.56%	

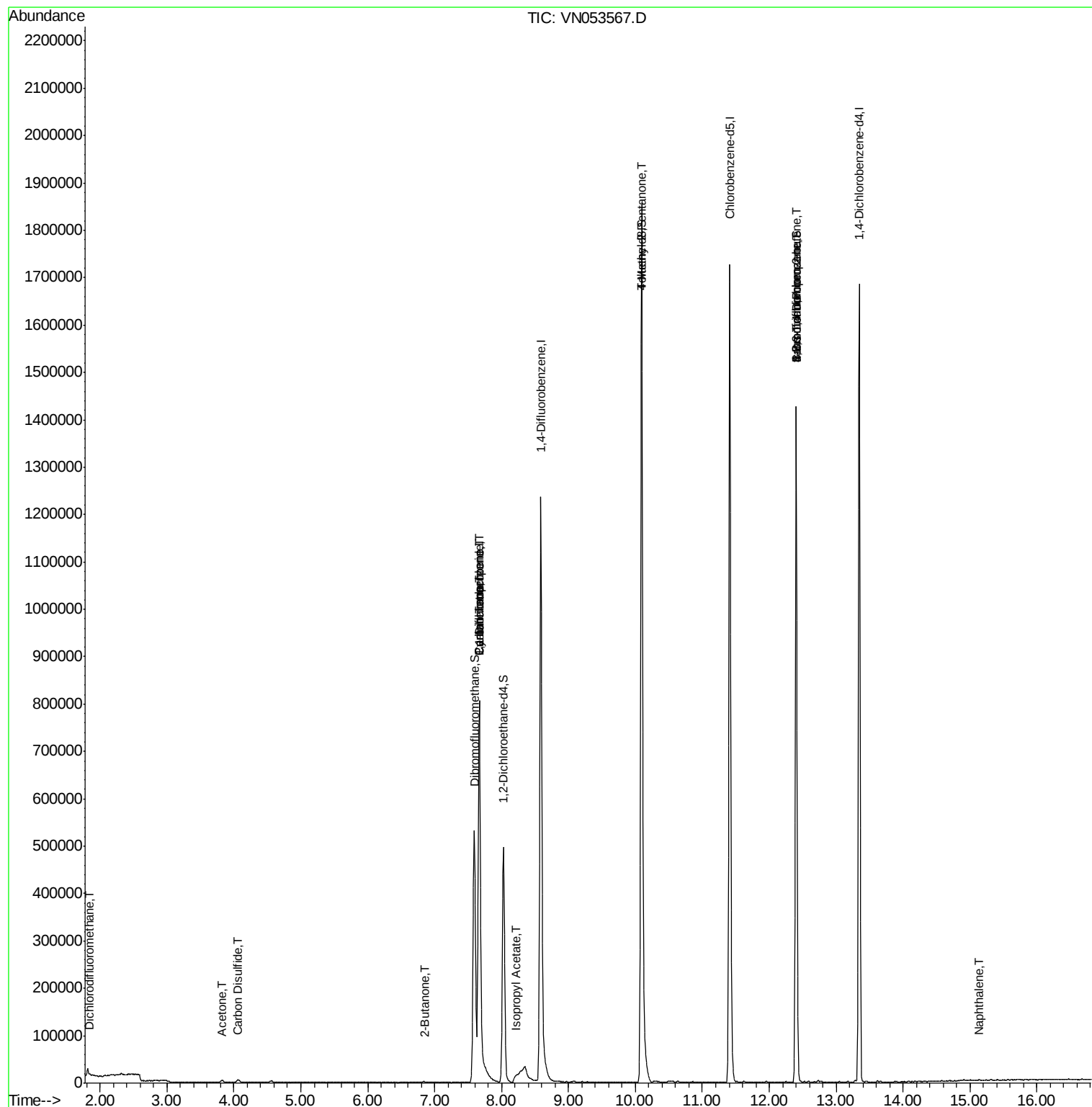
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	483	0.390	ug/l #	50
13) Acrolein	3.62	56	347	Below Cal	#	62
16) Acetone	3.82	43	8267	3.960	ug/l	94
17) Carbon Disulfide	4.06	76	5858	0.250	ug/l	98
25) 2-Butanone	6.86	43	1041	0.350	ug/l #	47
31) Cyclohexane	7.67	56	12555	0.745	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	49543	4.190	ug/l #	49
38) Carbon Tetrachloride	7.67	117	69131	5.804	ug/l #	15
43) Isopropyl Acetate	8.21	43	10722	0.841	ug/l #	51
51) 4-Methyl-2-Pentanone	10.09	43	5637	0.899	ug/l #	1
71) Bromoform	12.40	173	3312	0.561	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	237085	37.322	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	237085	104.945	ug/l #	15
95) Naphthalene	15.14	128	1634	1.809	ug/l #	69

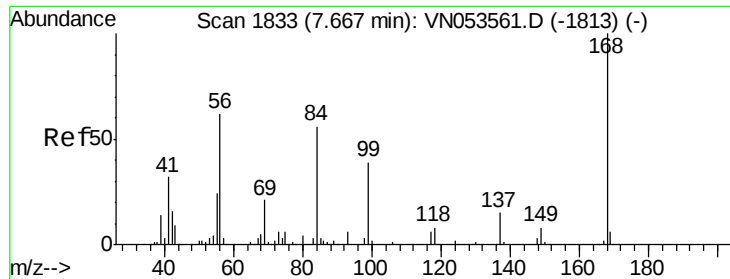
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 31 05:27:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053567.D

Acq: 30 Jan 2019 13:14

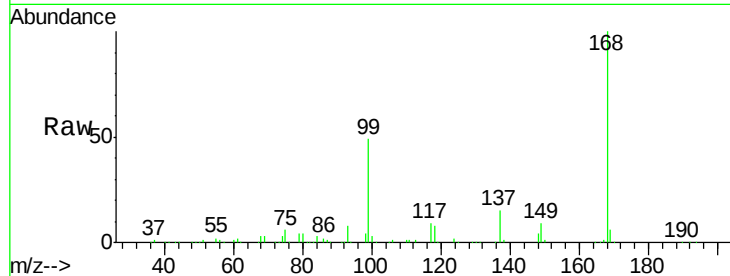
Instrument :
MSVOA_N
ClientSampled :
TPW1

Tot Ion:168 Resp: 811358

Ion Ratio Lower Upper

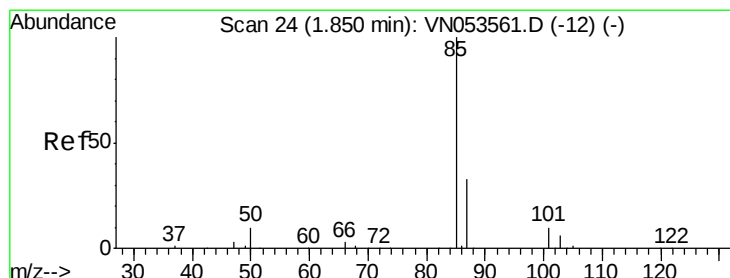
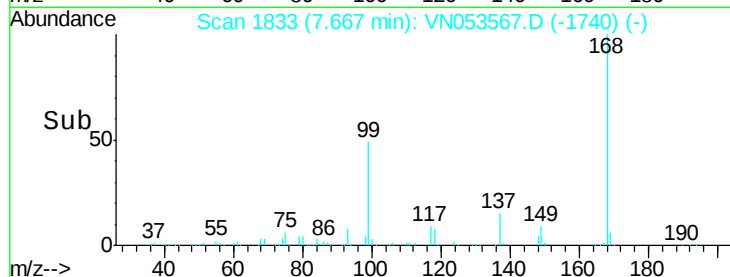
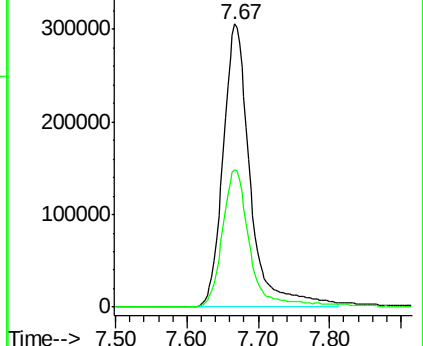
168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.390 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053567.D

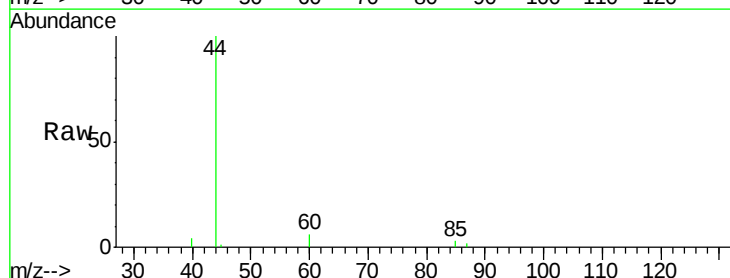
Acq: 30 Jan 2019 13:14

Tgt Ion: 85 Resp: 483

Ion Ratio Lower Upper

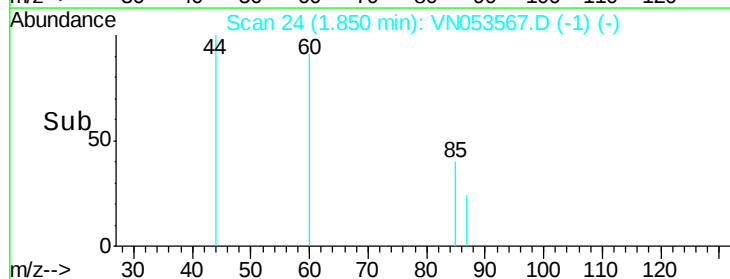
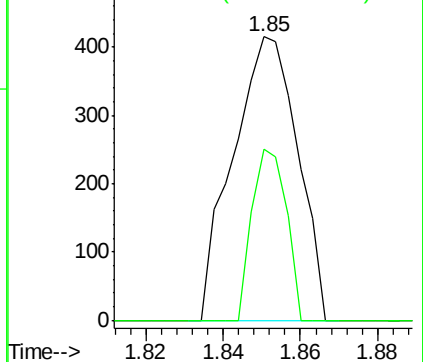
85 100

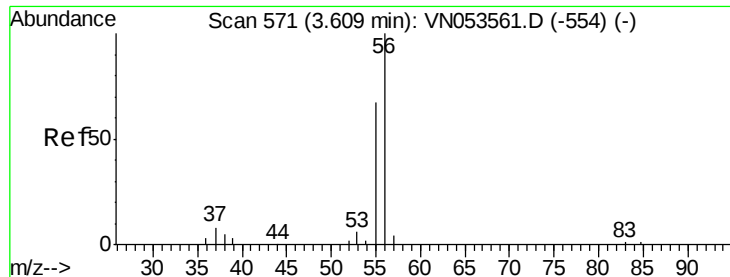
87 60.5 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#13

Acrolein

Concen: Below Cal

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN053567.D

Acq: 30 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

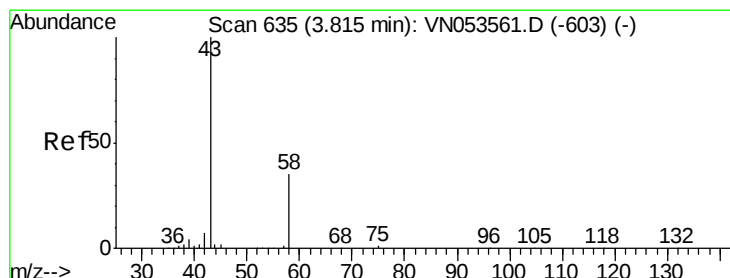
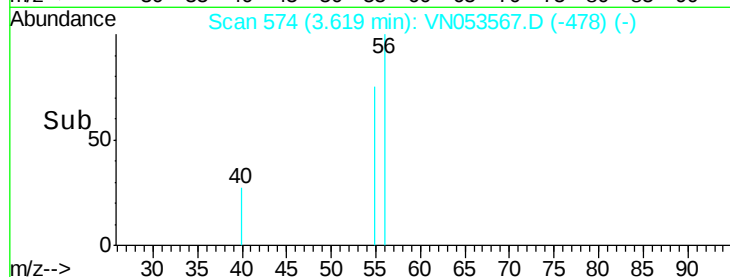
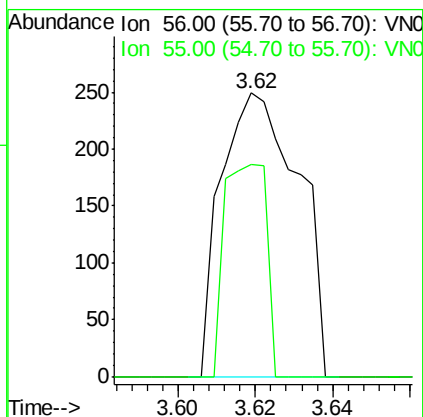
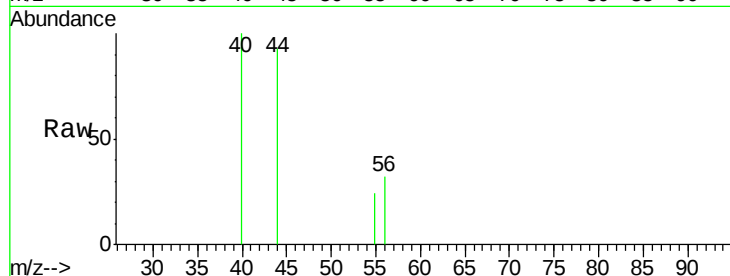
TPW1

Tot Ion: 56 Resp: 347

Ion Ratio Lower Upper

56 100

55 40.3 57.4 86.0#



#16

Acetone

Concen: 3.960 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053567.D

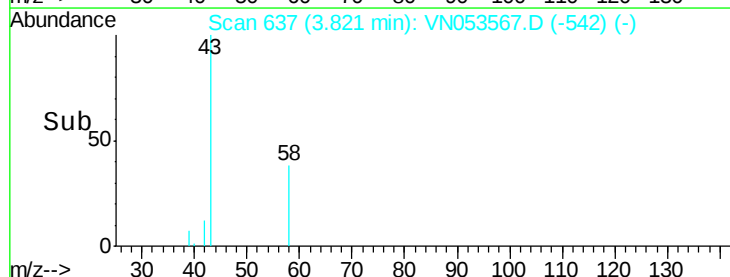
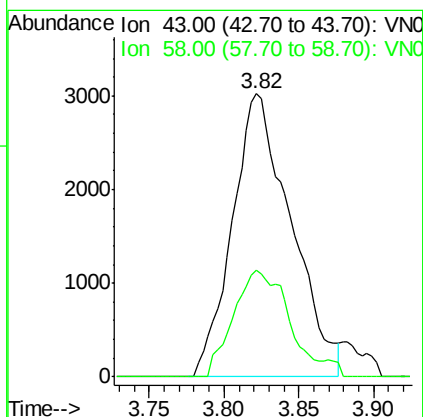
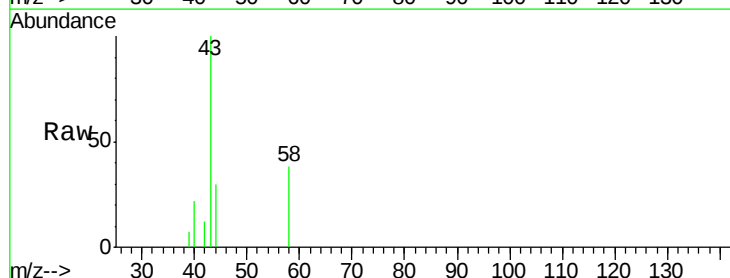
Acq: 30 Jan 2019 13:14

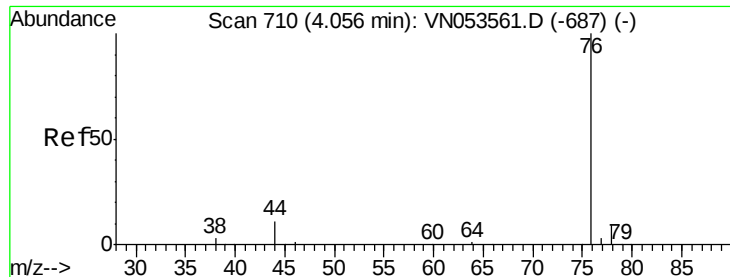
Tgt Ion: 43 Resp: 8267

Ion Ratio Lower Upper

43 100

58 37.6 27.1 40.7

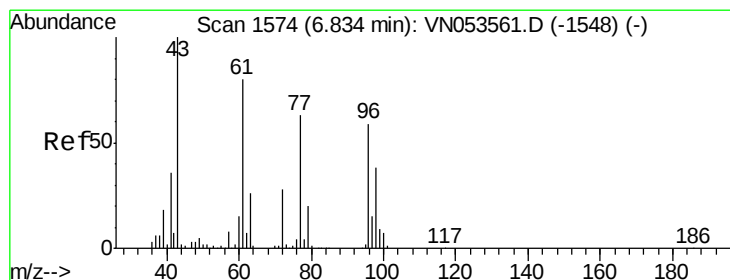
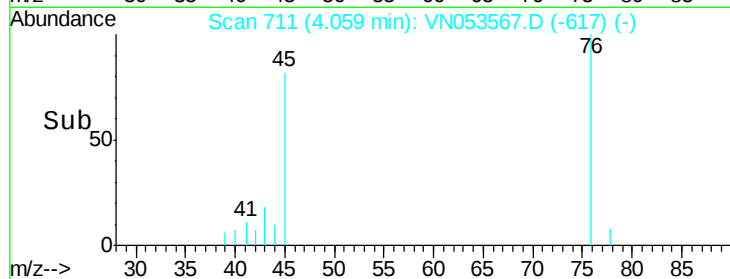
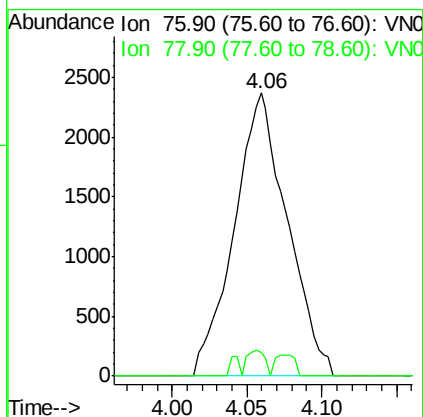
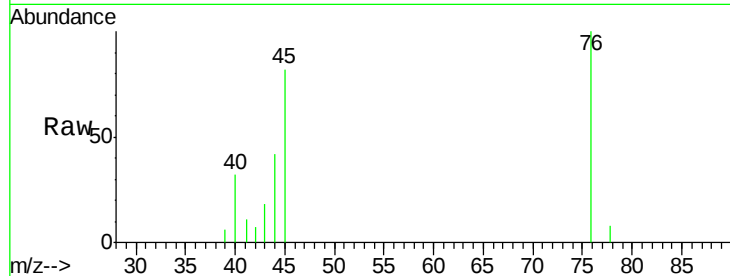




#17
Carbon Disulfide
Concen: 0.250 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053567.D
Acq: 30 Jan 2019 13:14

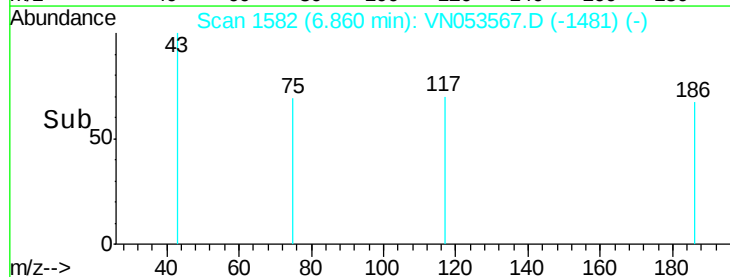
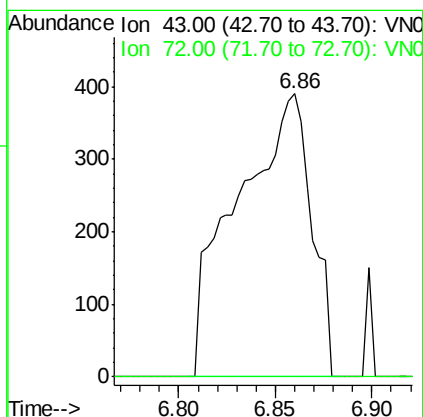
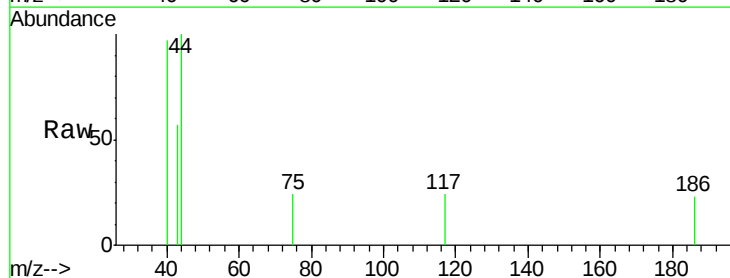
Instrument :
MSVOA_N
ClientSampled :
TPW1

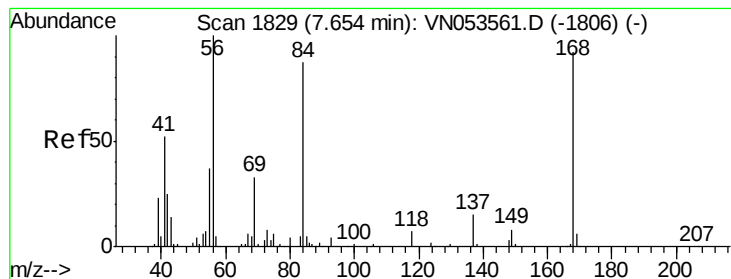
Tot Ion: 76 Resp: 5858
Ion Ratio Lower Upper
76 100
78 8.3 7.3 10.9



#25
2-Butanone
Concen: 0.350 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.03 min
Lab File: VN053567.D
Acq: 30 Jan 2019 13:14

Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#





#31

Cyclohexane

Concen: 0.745 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN053567.D

Acq: 30 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

TPW1

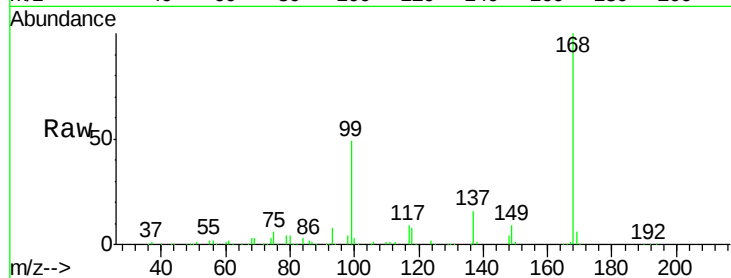
Tot Ion: 56 Resp: 12555

Ion Ratio Lower Upper

56 100

69 195.1 26.4 39.6#

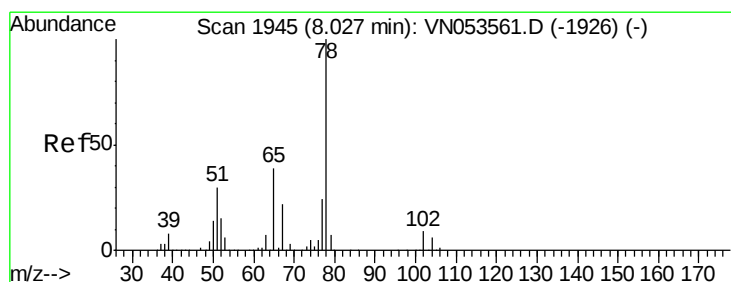
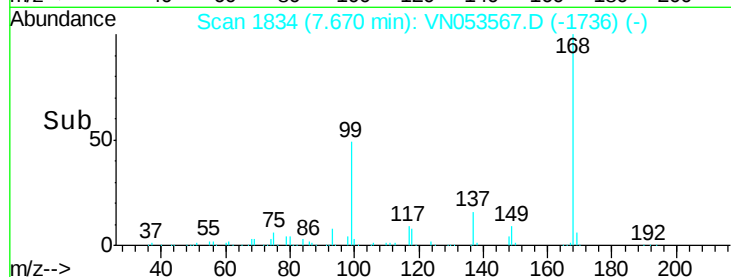
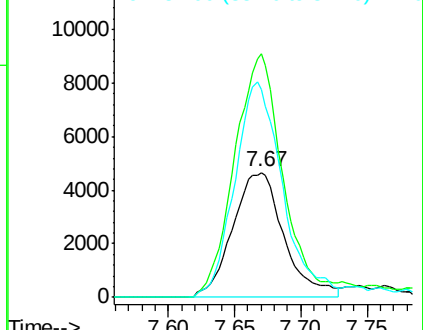
84 166.2 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053567.D

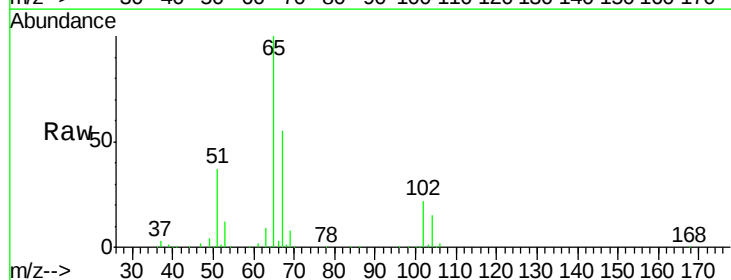
Acq: 30 Jan 2019 13:14

Tgt Ion: 65 Resp: 423647

Ion Ratio Lower Upper

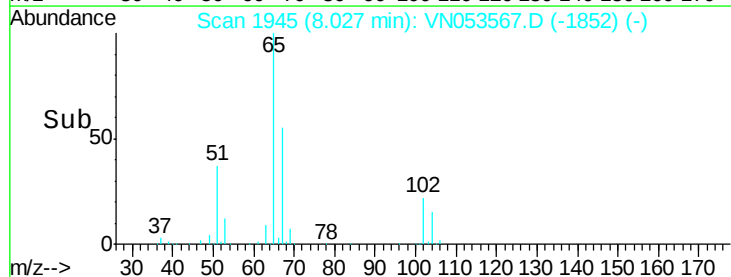
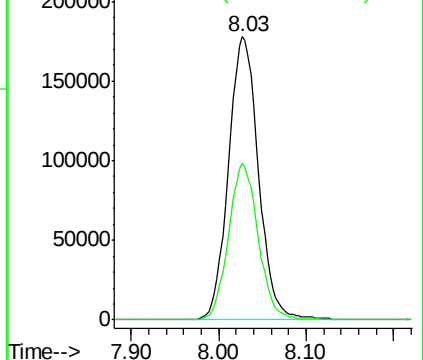
65 100

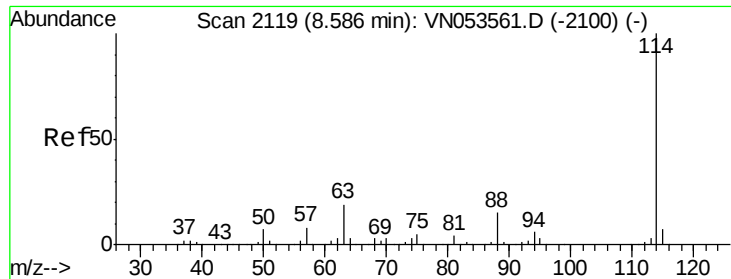
67 54.8 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

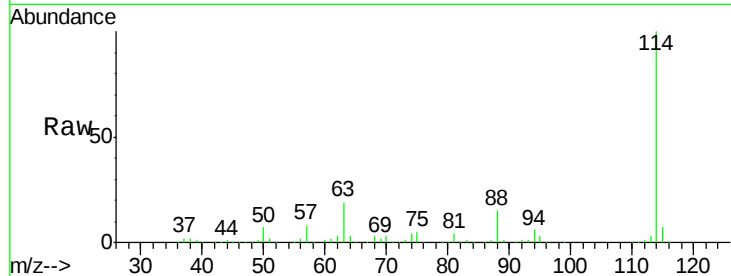




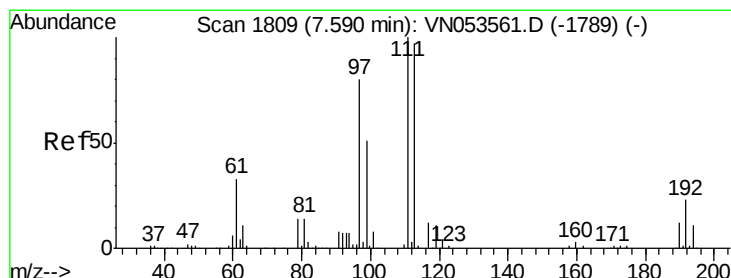
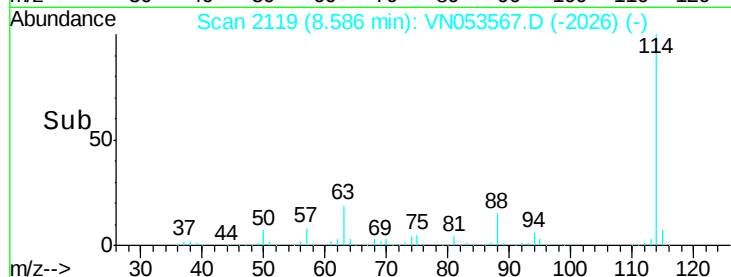
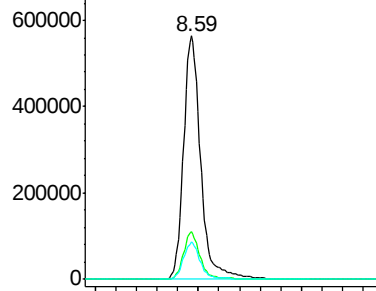
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053567.D
 Acq: 30 Jan 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TPW1

Tot Ion:114 Resp: 1311728
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.2 0.0 30.4

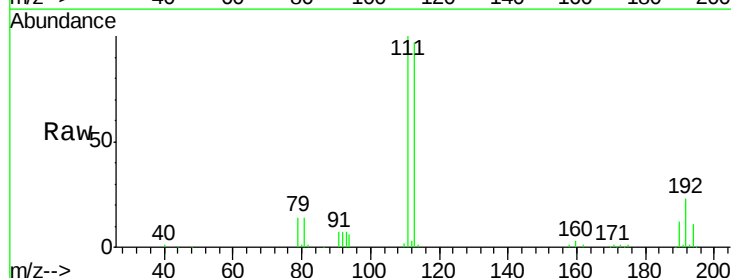


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

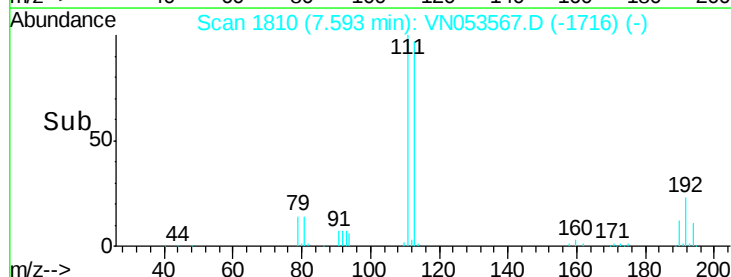
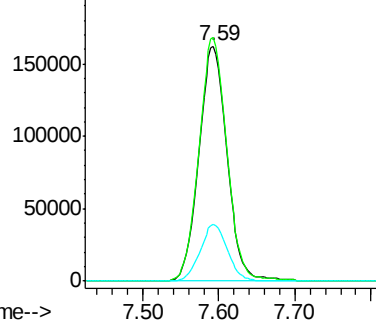


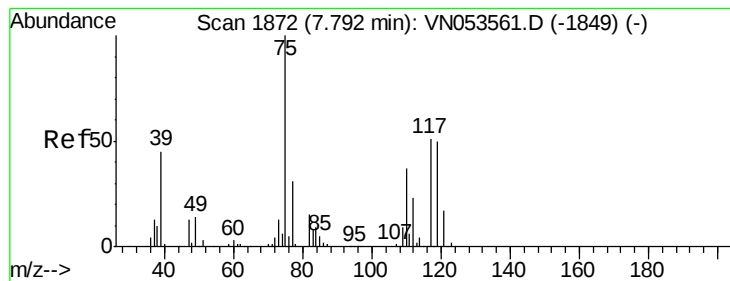
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053567.D
 Acq: 30 Jan 2019 13:14

Tgt Ion:113 Resp: 418358
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.1 121.7
 192 23.3 18.2 27.2



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: 4.190 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053567.D

Acq: 30 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

TPW1

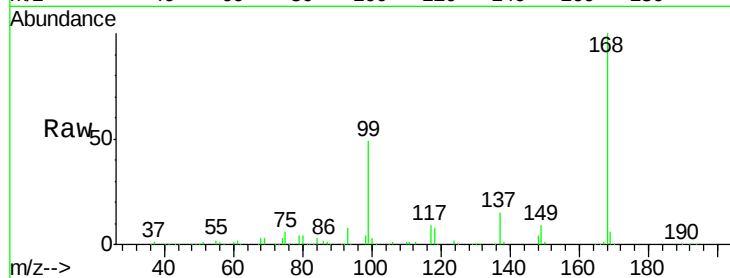
Tot Ion: 75 Resp: 49543

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

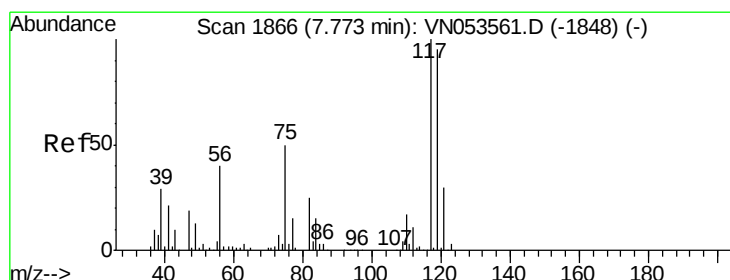
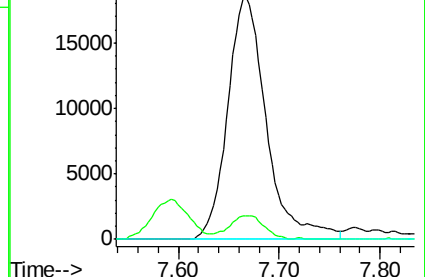
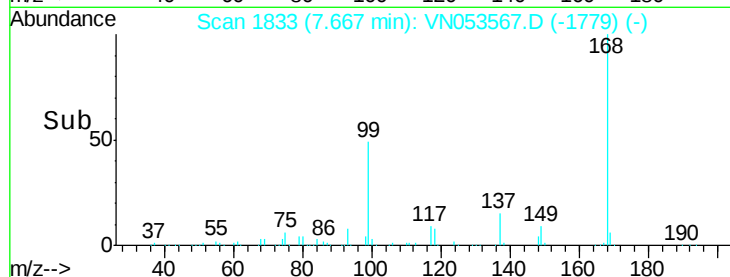
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN053567.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053567.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053567.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 5.804 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN053567.D

Acq: 30 Jan 2019 13:14

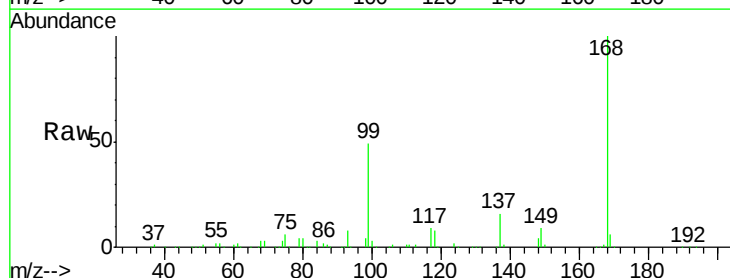
Tgt Ion: 117 Resp: 69131

Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

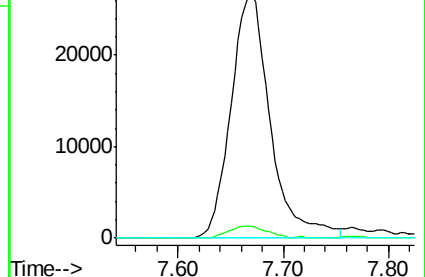
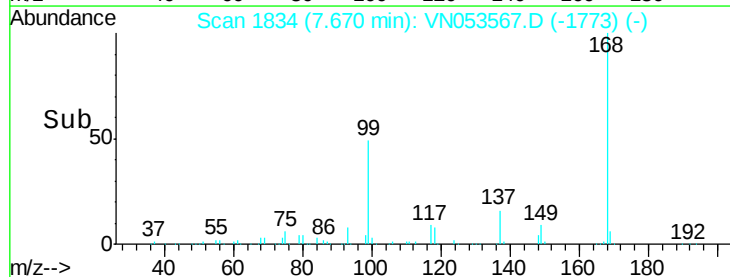
121 0.0 24.6 37.0#

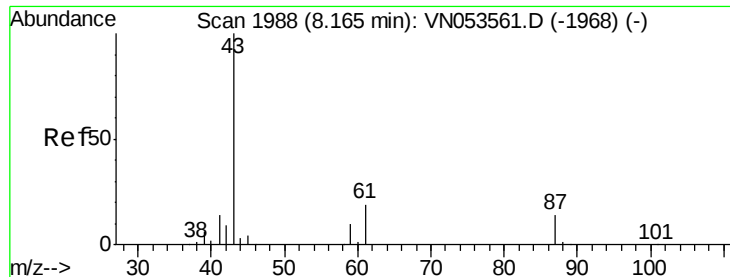


Abundance Ion 116.80 (116.50 to 117.50): VN053567.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053567.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053567.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 0.841 ug/l

RT: 8.21 min Scan# 2003

Delta R.T. 0.05 min

Lab File: VN053567.D

Acq: 30 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

TPW1

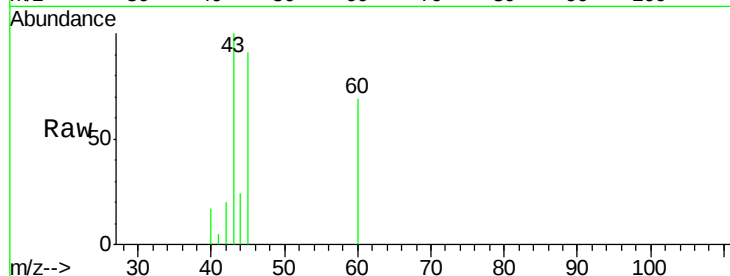
Tot Ion: 43 Resp: 10722

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

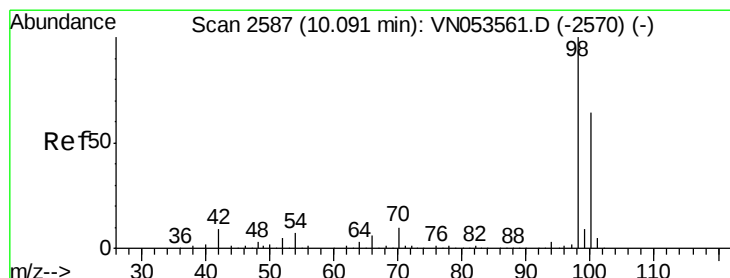
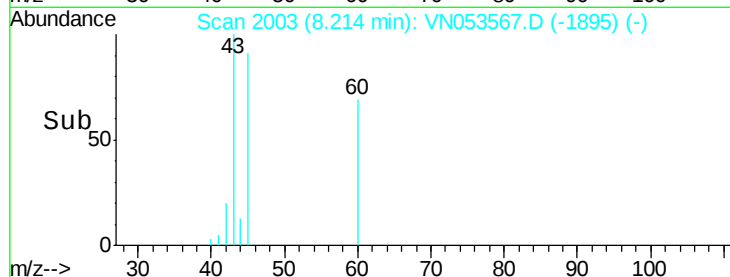
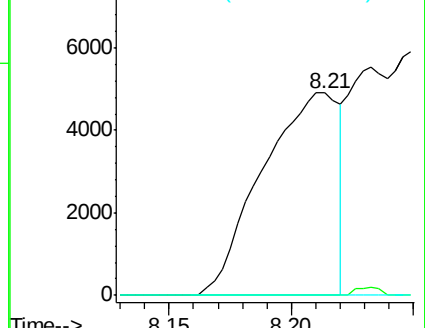
87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053567.D

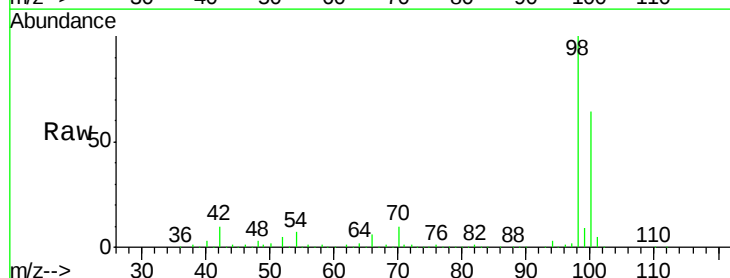
Acq: 30 Jan 2019 13:14

Tgt Ion: 98 Resp: 1553201

Ion Ratio Lower Upper

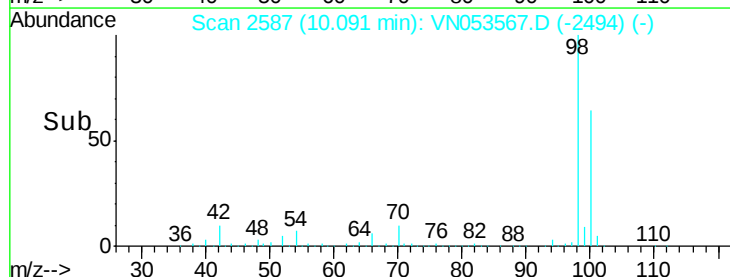
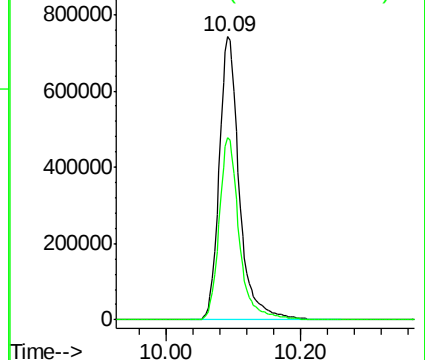
98 100

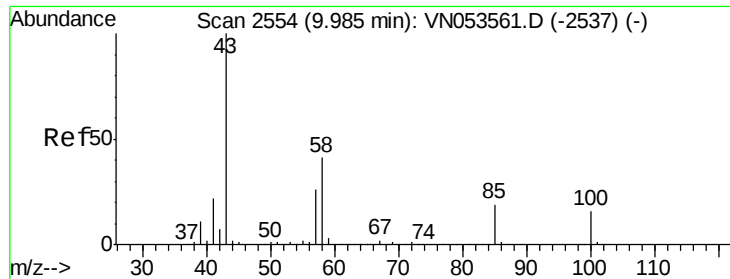
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

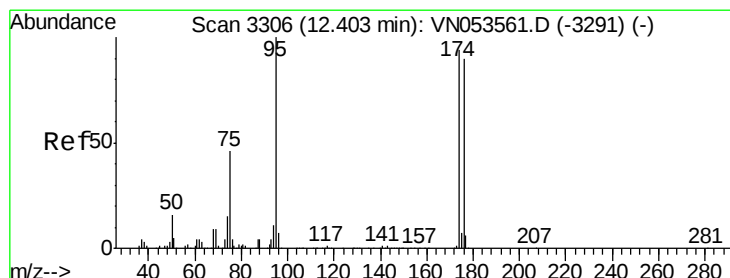
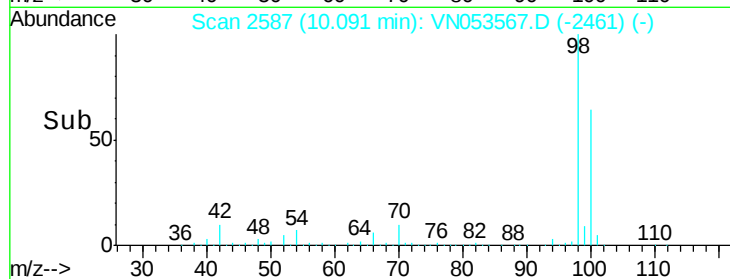
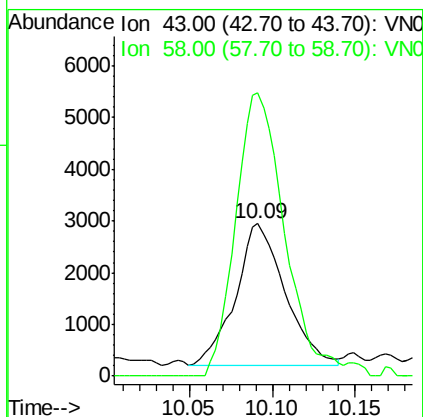
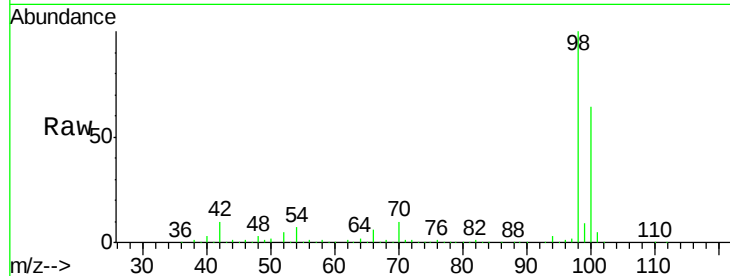




#51
 4-Methyl-2-Pentanone
 Concen: 0.899 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.11 min
 Lab File: VN053567.D
 Acq: 30 Jan 2019 13:14

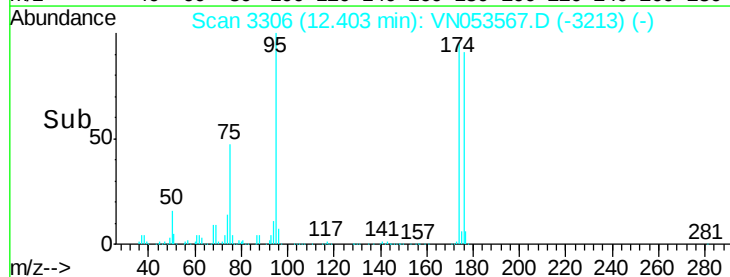
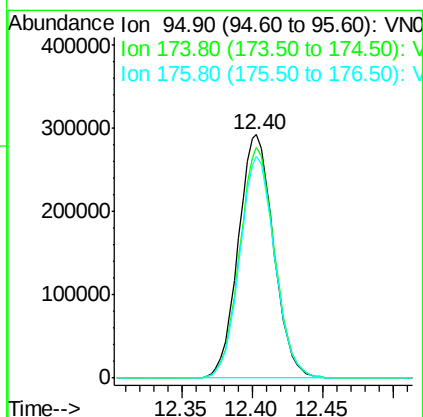
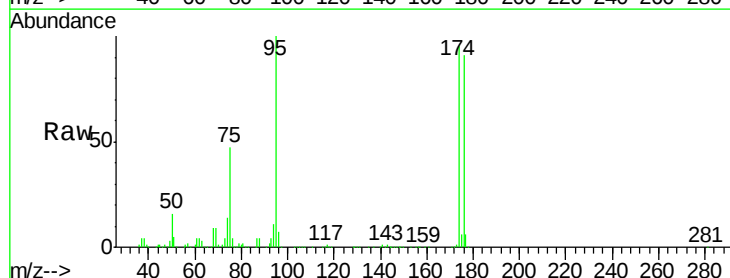
Instrument :
 MSVOA_N
 ClientSampleId :
 TPW1

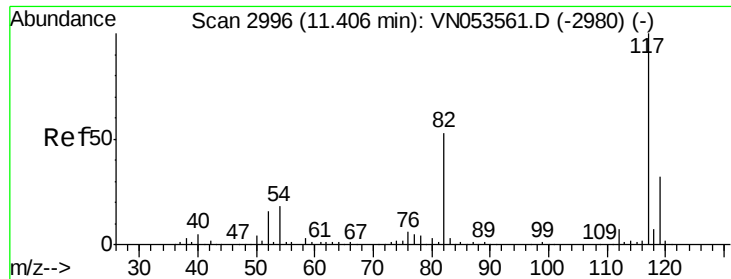
Tot Ion: 43 Resp: 5637
 Ion Ratio Lower Upper
 43 100
 58 198.6 32.8 49.2#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053567.D
 Acq: 30 Jan 2019 13:14

Tgt Ion: 95 Resp: 511500
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 183.2
 176 90.5 0.0 177.4

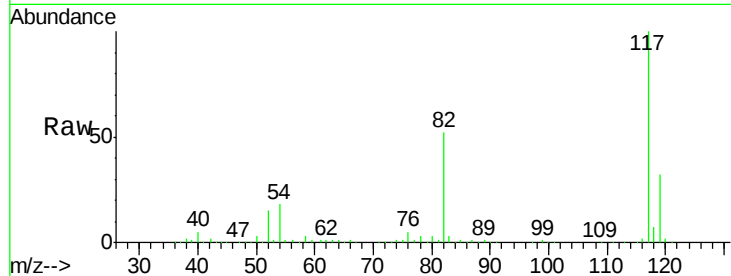




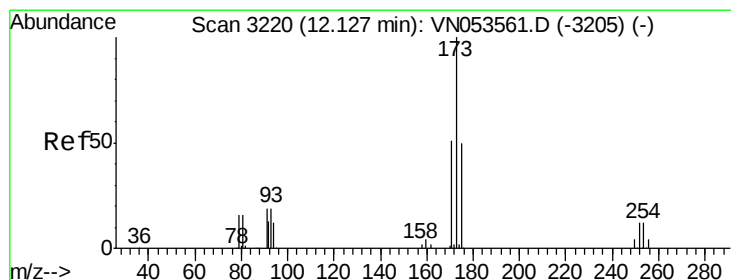
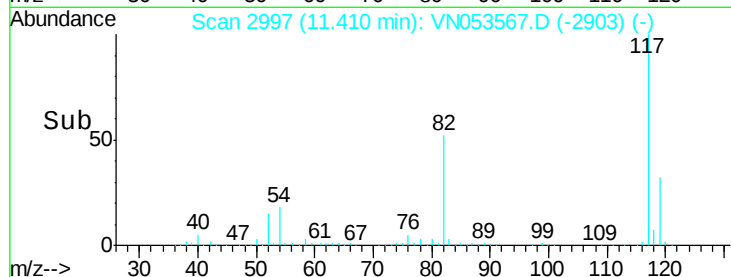
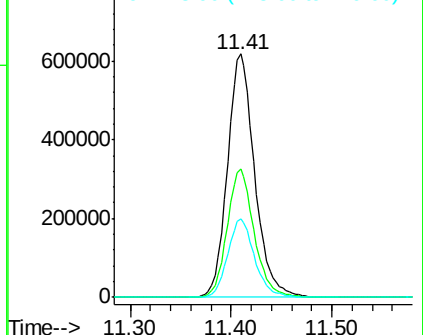
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053567.D
Acq: 30 Jan 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
TPW1

Tot Ion:117 Resp: 1160552
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 32.1 26.0 39.0

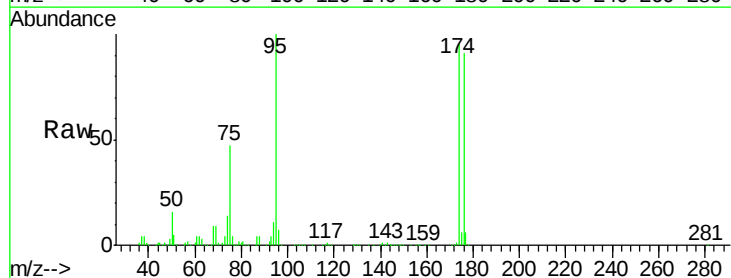


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

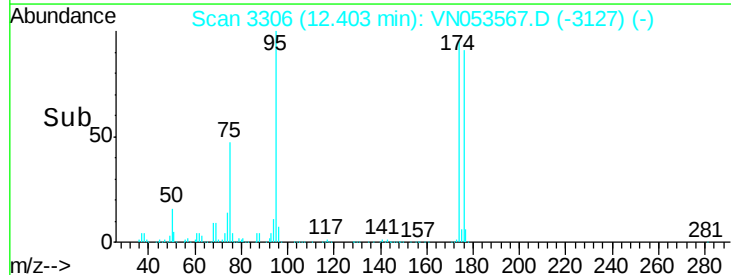
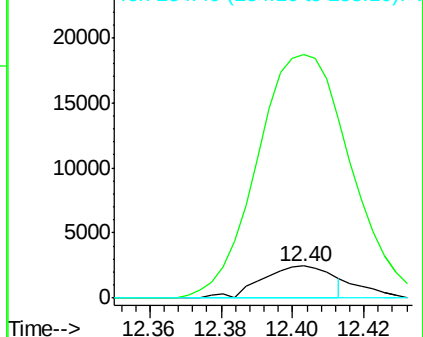


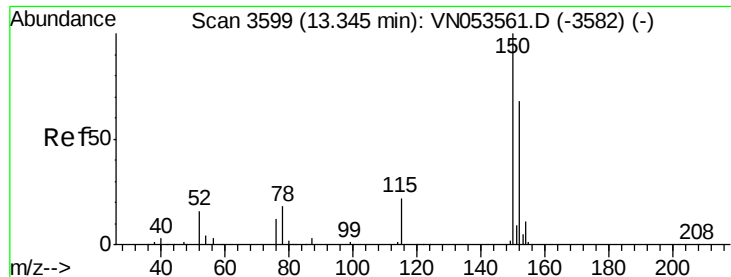
#71
Bromoform
Concen: 0.561 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053567.D
Acq: 30 Jan 2019 13:14

Tgt Ion:173 Resp: 3312
Ion Ratio Lower Upper
173 100
175 844.2 24.6 74.0#
254 0.0 0.2 0.2#



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# 3599

Delta R.T. 0.00 min

Lab File: VN053567.D

Acq: 30 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

TPW1

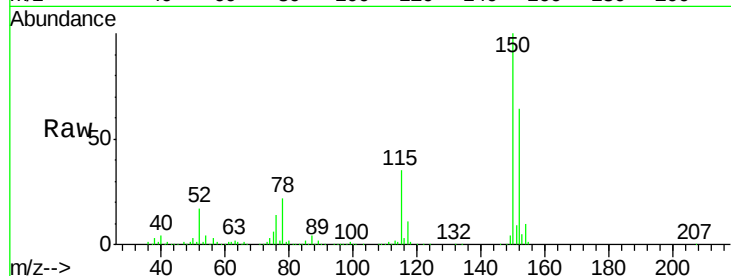
Tot Ion:152 Resp: 494573

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.4

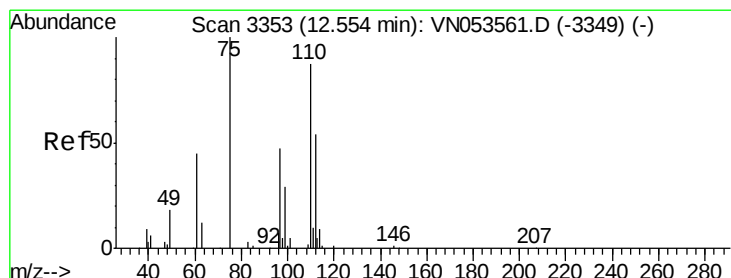
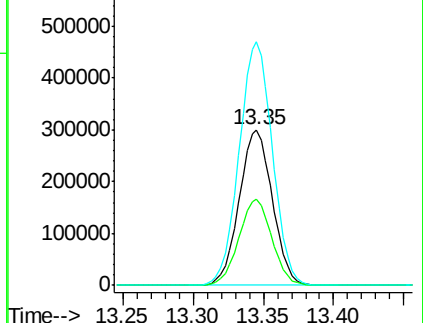
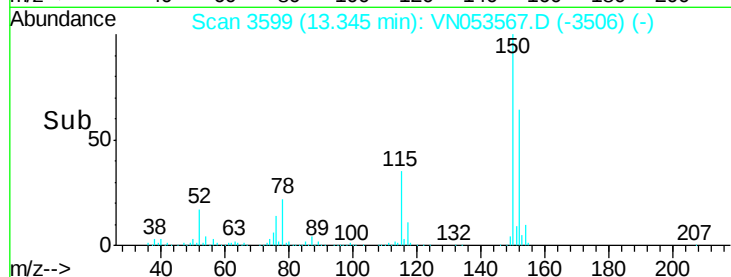
150 156.9 0.0 349.0



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: 37.322 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053567.D

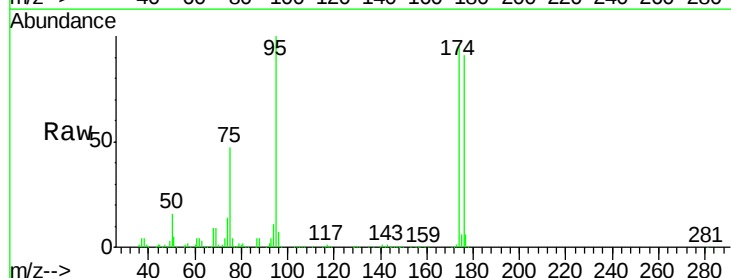
Acq: 30 Jan 2019 13:14

Tgt Ion: 75 Resp: 237085

Ion Ratio Lower Upper

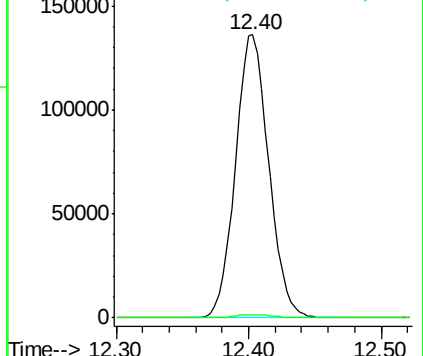
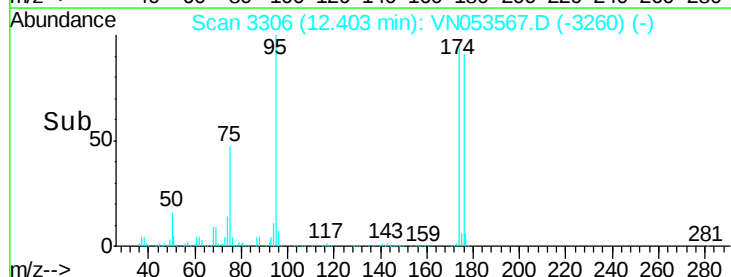
75 100

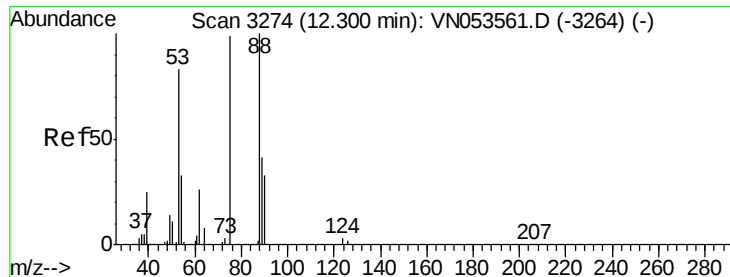
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.945 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053567.D

Acq: 30 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

TPW1

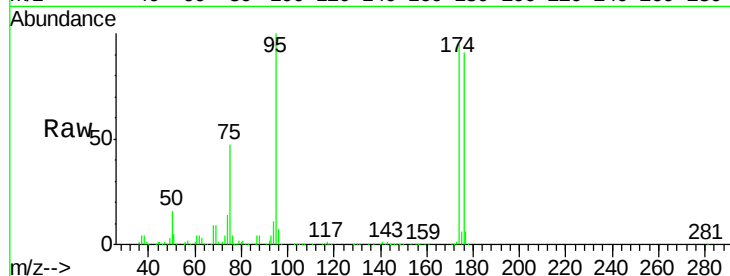
Tot Ion: 75 Resp: 237085

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

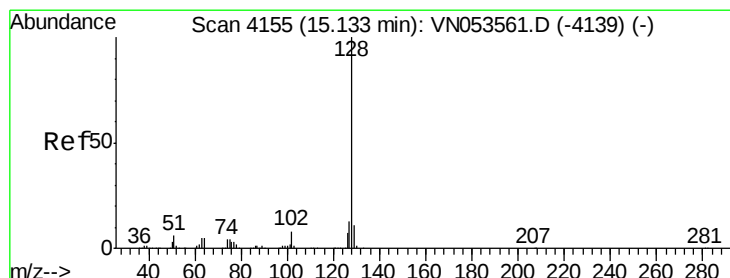
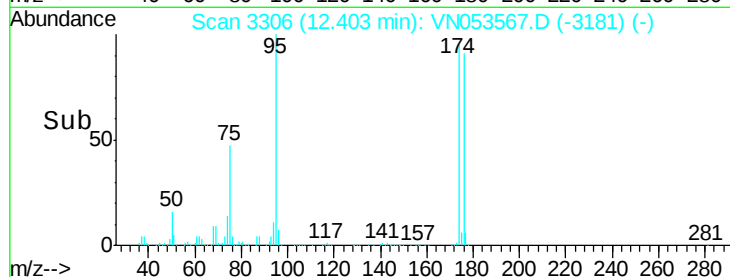
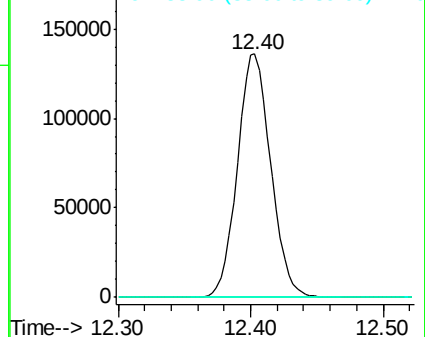
89 0.0 35.6 53.4#



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



#95

Naphthalene

Concen: 1.809 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053567.D

Acq: 30 Jan 2019 13:14

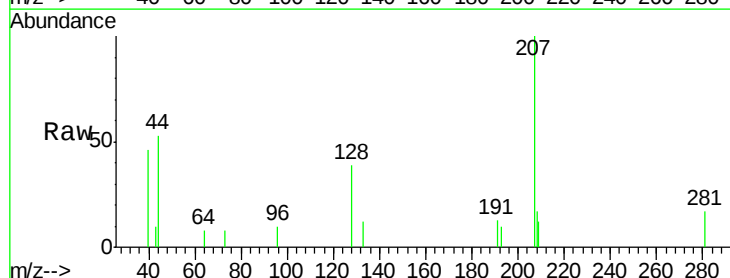
Tgt Ion:128 Resp: 1634

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



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

