

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020119\
 Data File : VN053583.D
 Acq On : 1 Feb 2019 18:15
 Operator : JC/SP
 Sample : K1292-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Feb 01 22:52:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	738164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1232452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1119378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	474525	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	395334	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
35) Dibromofluoromethane	7.59	113	385875	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.09	98	1499840	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.40	95	496323	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	

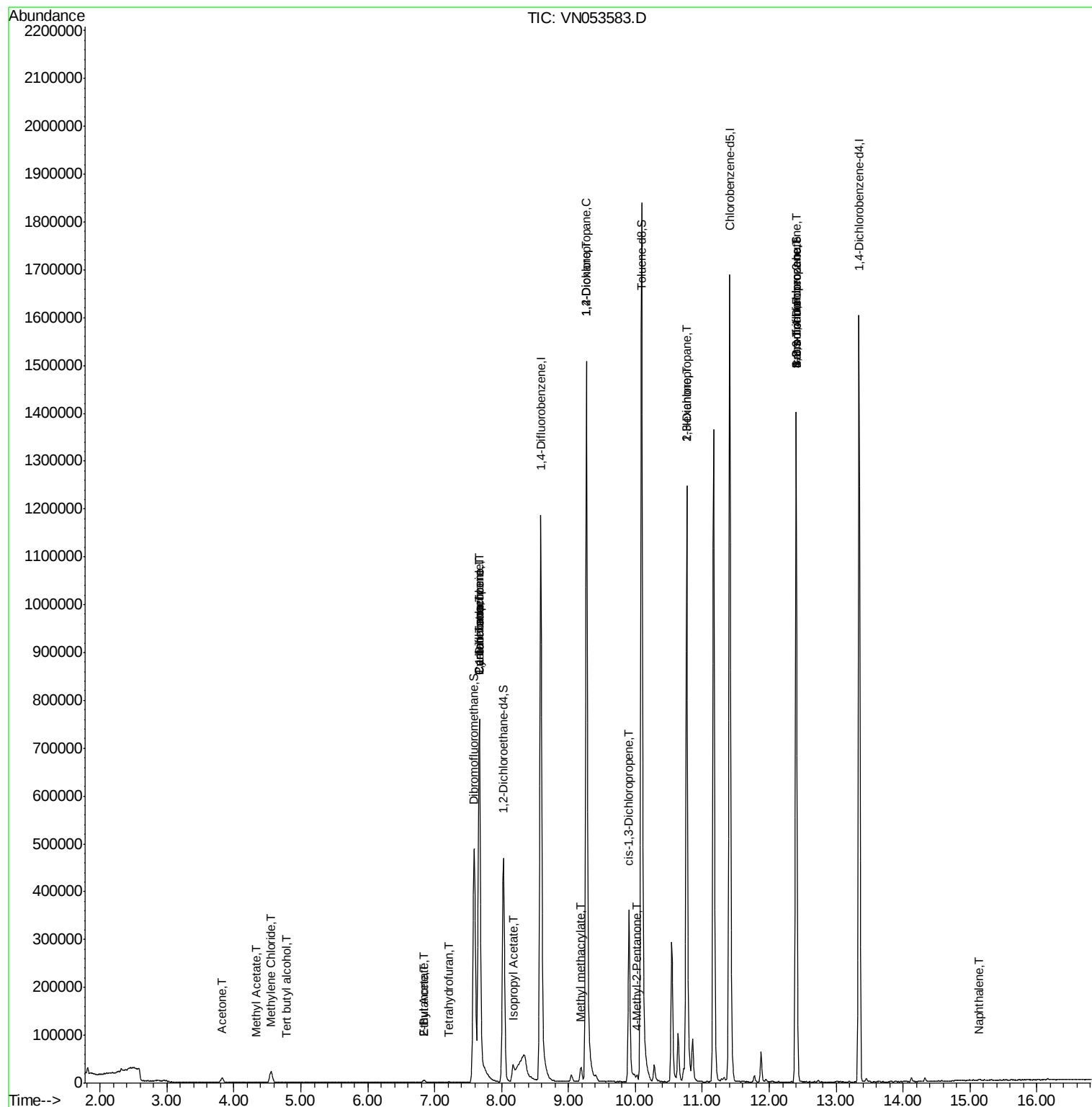
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	265	0.605	ug/l #	72
16) Acetone	3.82	43	18180	9.571	ug/l	100
18) Methyl Acetate	4.34	43	2451	0.436	ug/l #	60
20) Methylene Chloride	4.56	84	18523	2.324	ug/l	97
25) 2-Butanone	6.83	43	8358	3.085	ug/l	98
29) Tetrahydrofuran	7.20	42	624	0.359	ug/l #	72
31) Cyclohexane	7.66	56	10580	0.678	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46274	4.165	ug/l #	49
37) Ethyl Acetate	6.83	43	8358	1.347	ug/l #	67
38) Carbon Tetrachloride	7.67	117	61053	5.455	ug/l #	17
43) Isopropyl Acetate	8.17	43	43962	3.669	ug/l #	74
45) 1,2-Dichloropropane	9.27	63	2022	0.231	ug/l #	43
48) Methyl methacrylate	9.18	41	12428	2.173	ug/l #	12
49) 1,4-Dioxane	9.27	88	172	41.092	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	9818	1.667	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	79100	6.070	ug/l #	62
57) 1,3-Dichloropropane	10.77	76	14594	1.165	ug/l #	43
59) 2-Hexanone	10.77	43	191762	47.971	ug/l #	50
71) Bromoform	12.40	173	3429	0.602	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	230043	37.743	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	230043	106.130	ug/l #	15
95) Naphthalene	15.14	128	3132	1.881	ug/l #	87

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020119\
Data File : VN053583.D
Acq On : 1 Feb 2019 18:15
Operator : JC/SP
Sample : K1292-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Quant Time: Feb 01 22:52:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 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: VN053583.D

Acq: 1 Feb 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

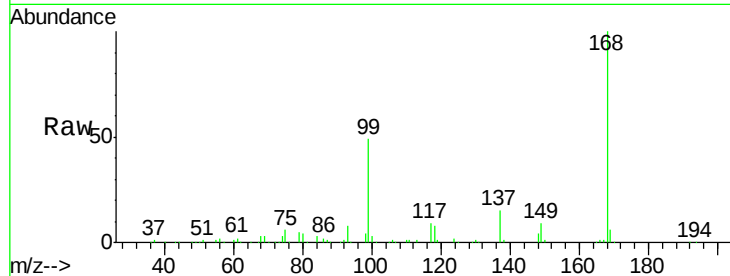
WC-1

Tot Ion:168 Resp: 738164

Ion Ratio Lower Upper

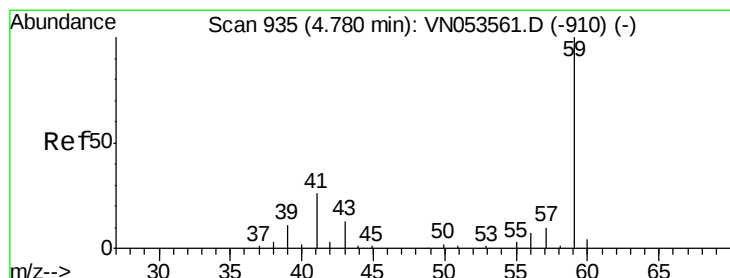
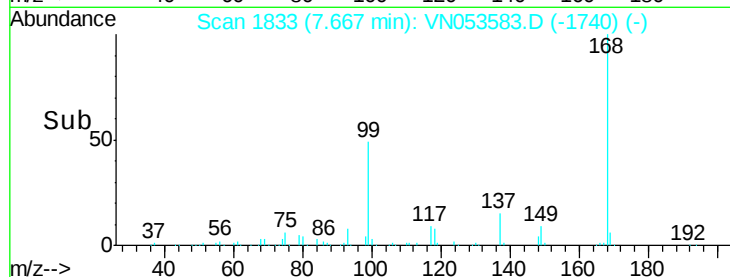
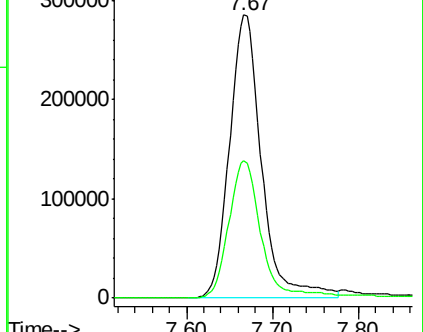
168 100

99 48.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053583.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053583.D (-1740) (-)



#11

Tert butyl alcohol

Concen: 0.605 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN053583.D

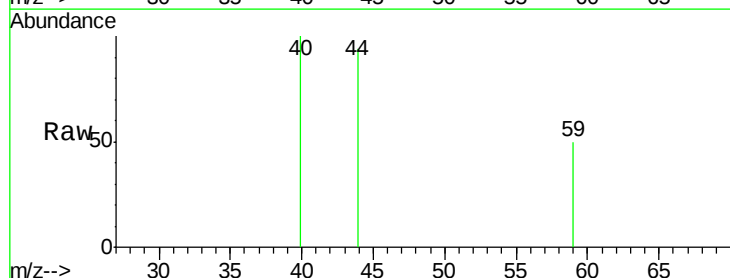
Acq: 1 Feb 2019 18:15

Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

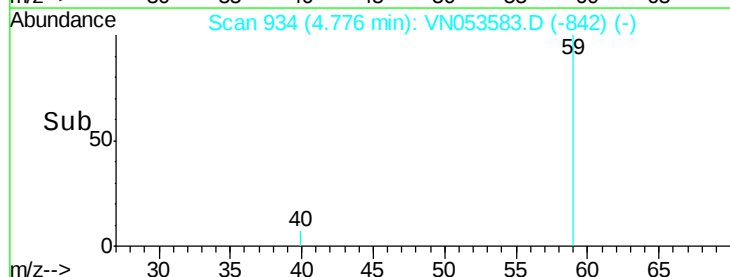
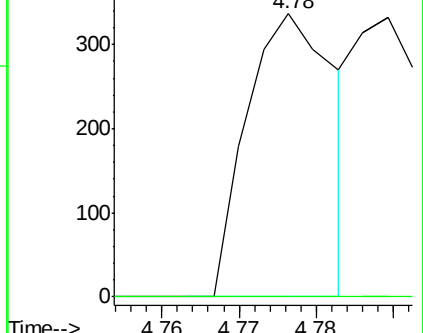
59 100

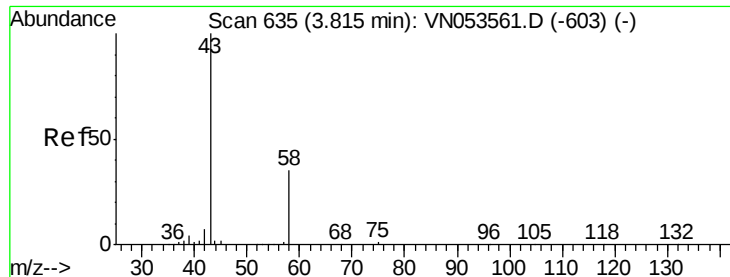
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN053583.D (-842) (-)

Ion 57.00 (56.70 to 57.70): VN053583.D (-842) (-)





#16

Acetone

Concen: 9.571 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053583.D

Acq: 1 Feb 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

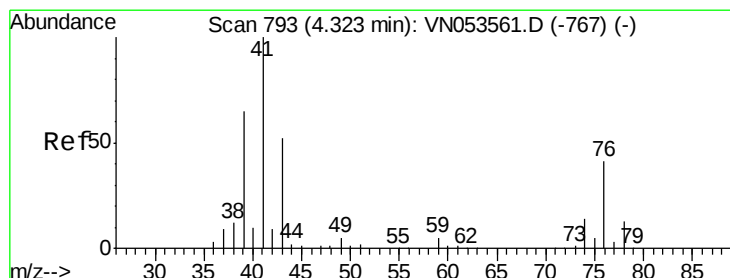
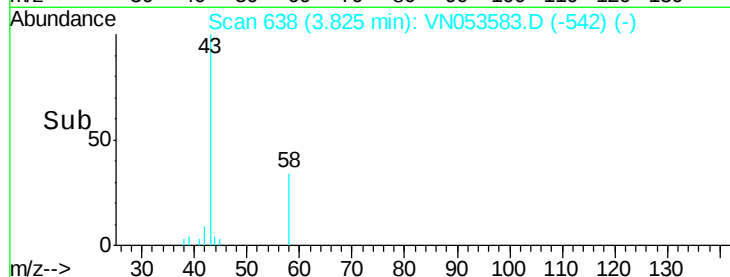
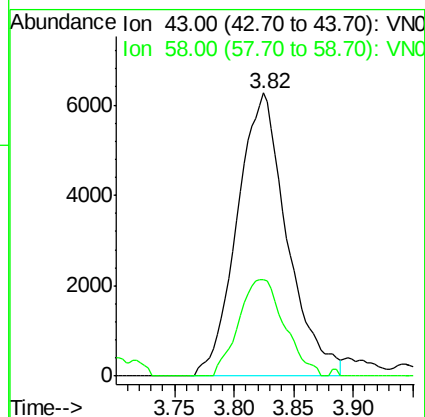
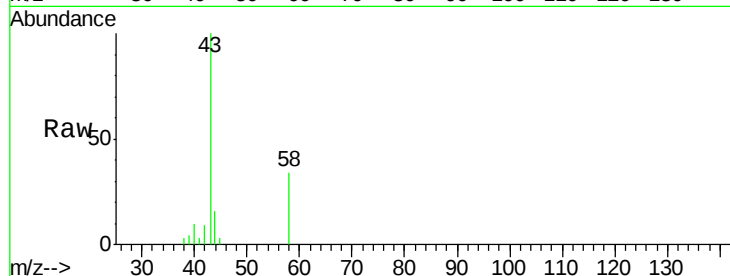
WC-1

Tot Ion: 43 Resp: 18180

Ion Ratio Lower Upper

43 100

58 34.1 27.1 40.7



#18

Methyl Acetate

Concen: 0.436 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN053583.D

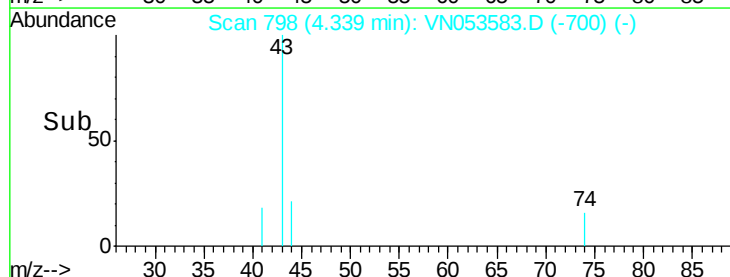
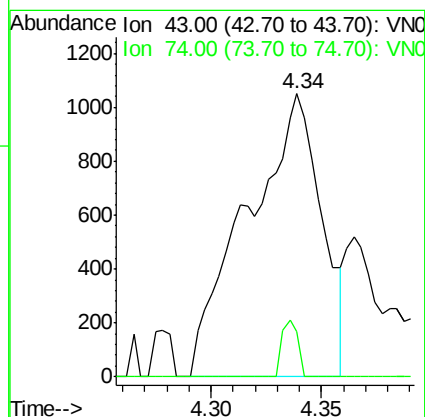
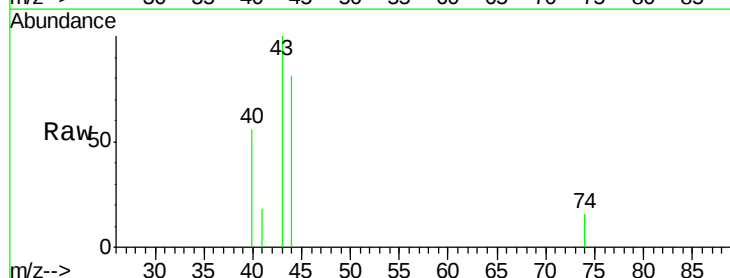
Acq: 1 Feb 2019 18:15

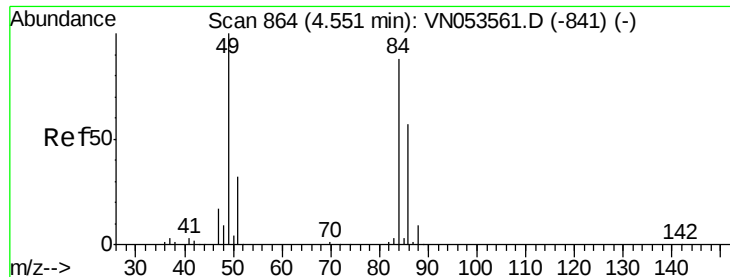
Tgt Ion: 43 Resp: 2451

Ion Ratio Lower Upper

43 100

74 4.3 19.4 29.2#

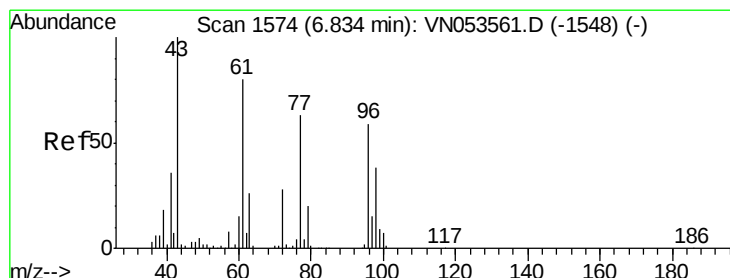
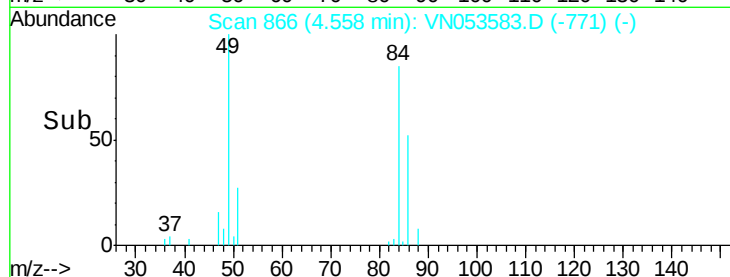
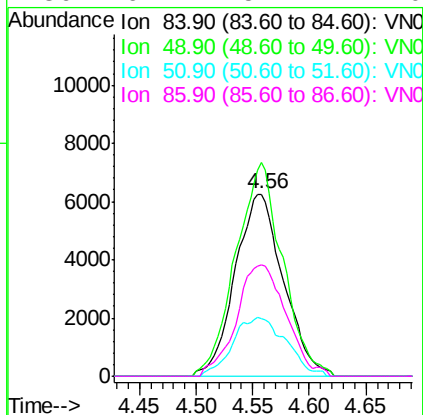
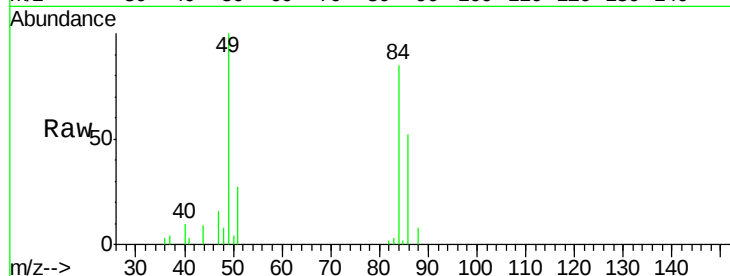




#20
Methvlene Chloride
Concen: 2.324 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

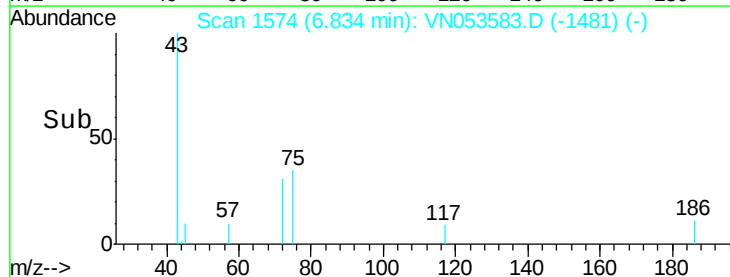
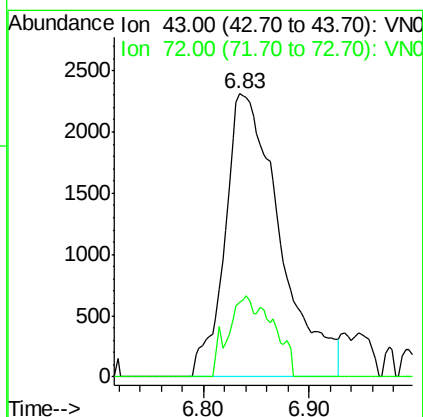
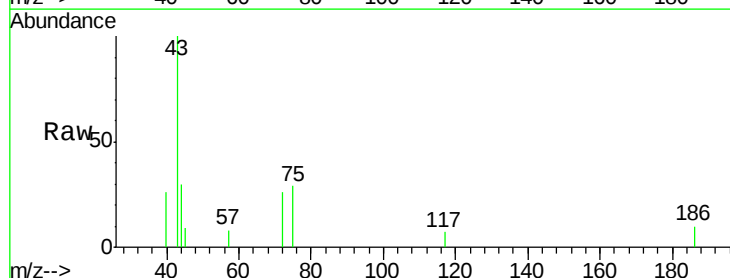
Instrument :
MSVOA_N
ClientSampled :
WC-1

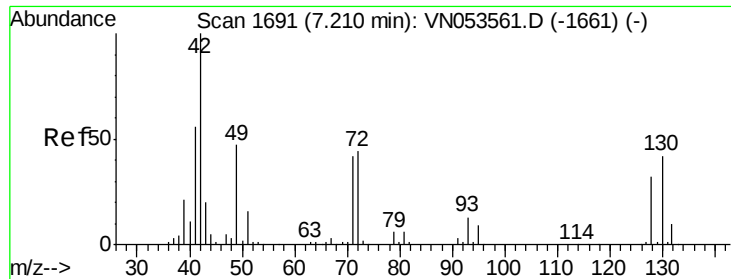
Tot Ion: 84 Resp: 18523
Ion Ratio Lower Upper
84 100
49 117.4 94.3 141.5
51 31.5 29.4 44.2
86 61.1 51.4 77.0



#25
2-Butanone
Concen: 3.085 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

Tgt Ion: 43 Resp: 8358
Ion Ratio Lower Upper
43 100
72 26.3 22.0 33.0

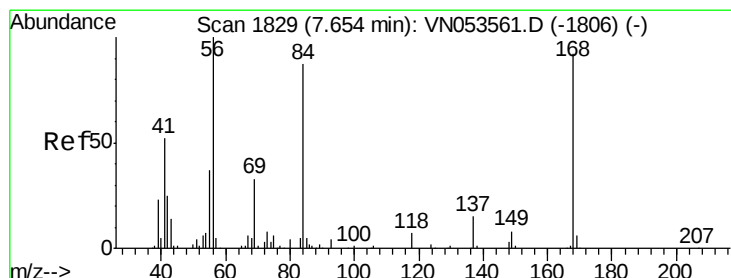
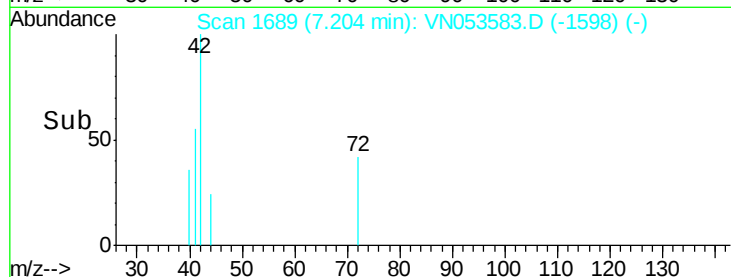
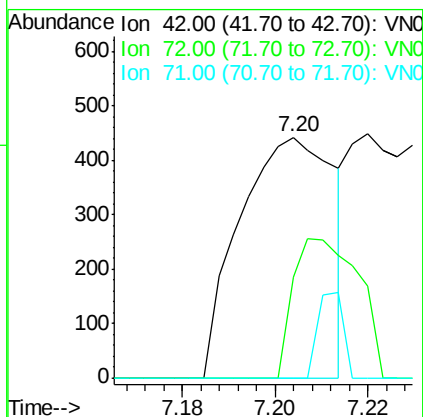
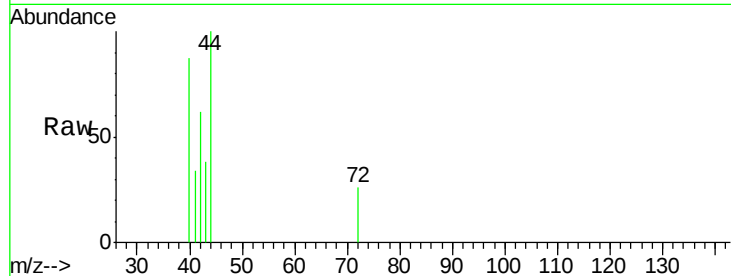




#29
Tetrahydrofuran
Concen: 0.359 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

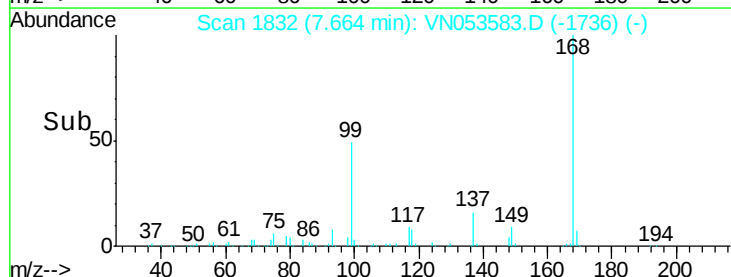
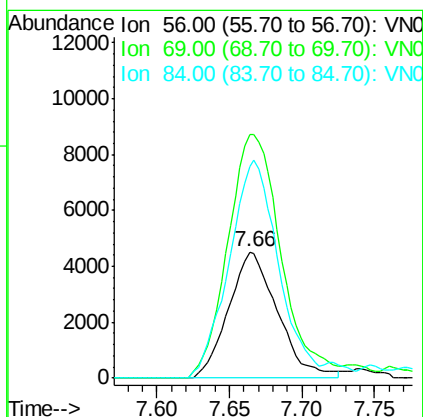
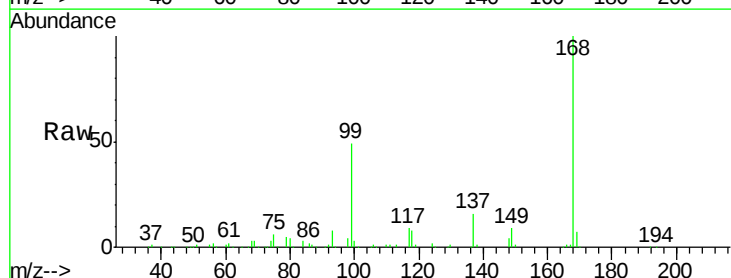
Instrument :
MSVOA_N
ClientSampleId :
WC-1

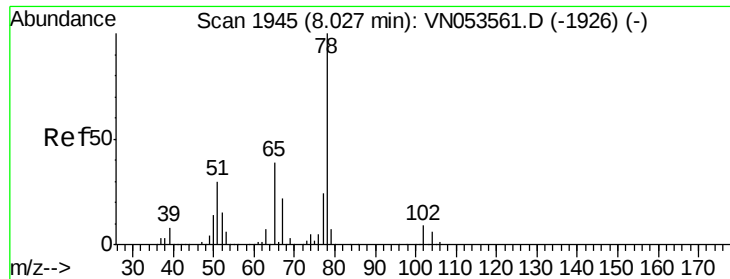
Tot Ion: 42 Resp: 624
Ion Ratio Lower Upper
42 100
72 39.9 35.2 52.8
71 9.6 33.0 49.4#



#31
Cyclohexane
Concen: 0.678 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

Tgt Ion: 56 Resp: 10580
Ion Ratio Lower Upper
56 100
69 193.5 26.4 39.6#
84 168.2 67.9 101.9#

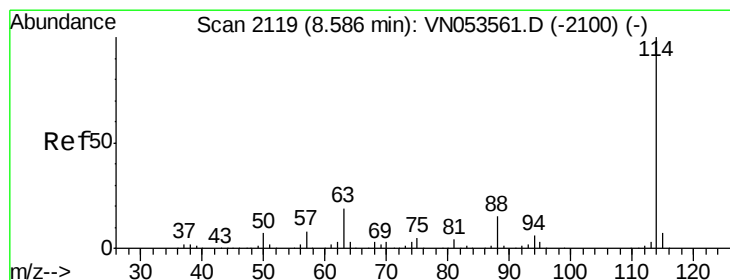
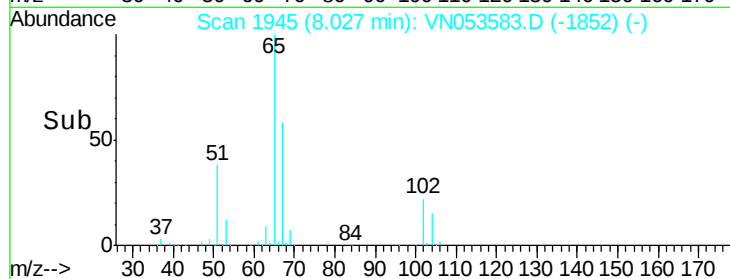
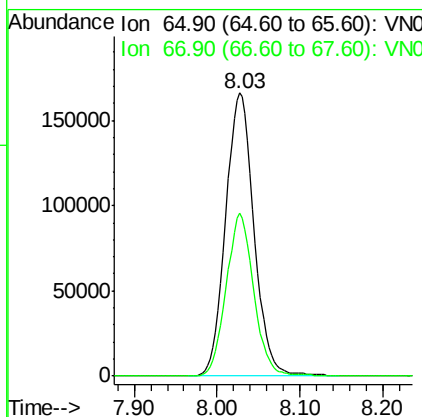
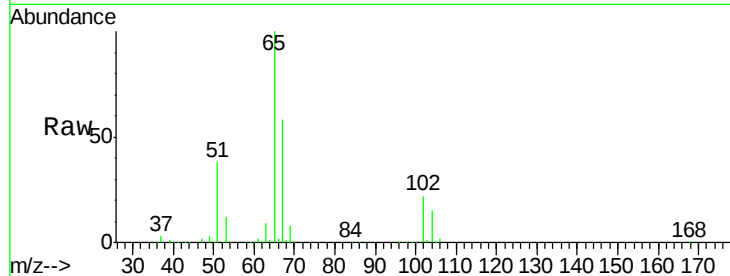




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053583.D
 Acq: 1 Feb 2019 18:15

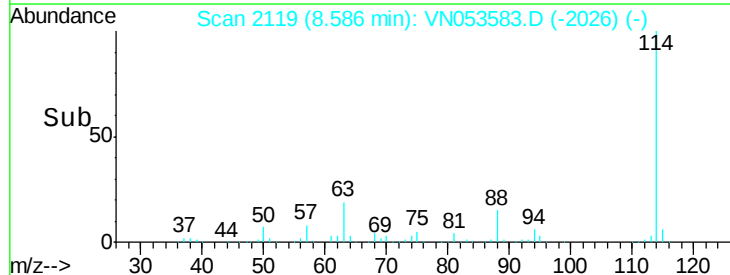
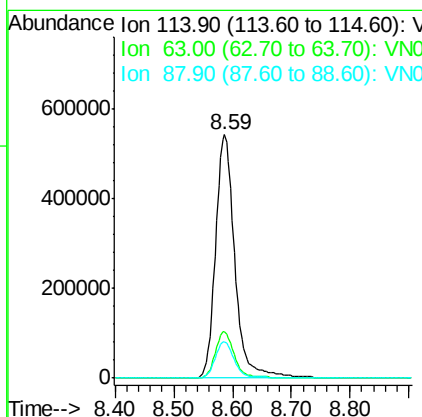
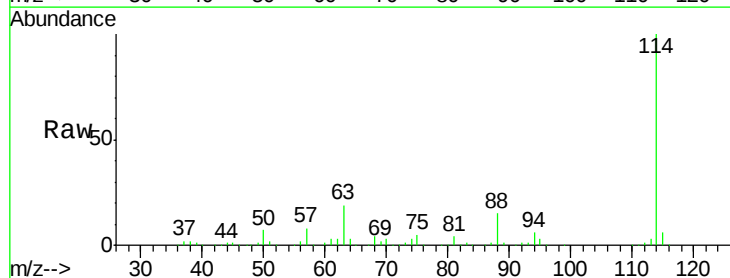
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

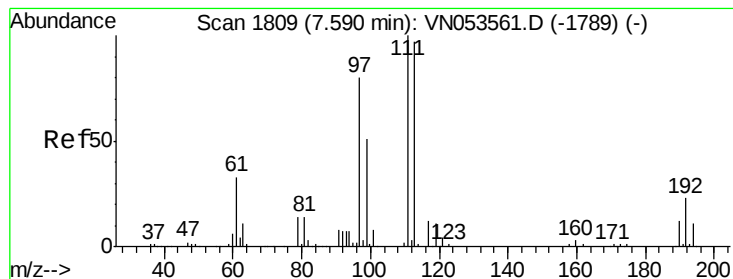
Tot Ion: 65 Resp: 395334
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053583.D
 Acq: 1 Feb 2019 18:15

Tgt Ion: 114 Resp: 1232452
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053583.D

Acq: 1 Feb 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

WC-1

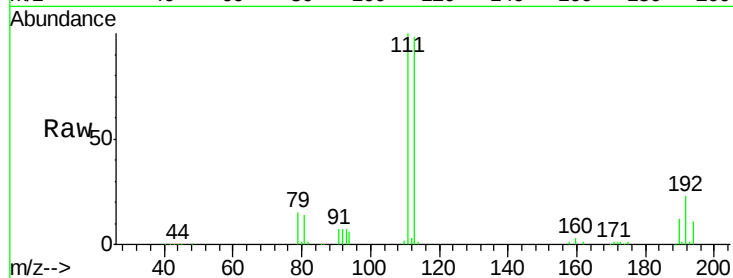
Tot Ion:113 Resp: 385875

Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

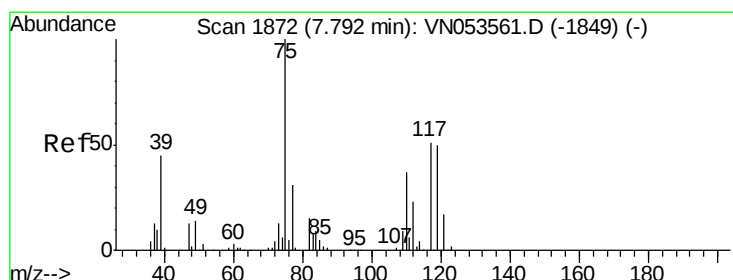
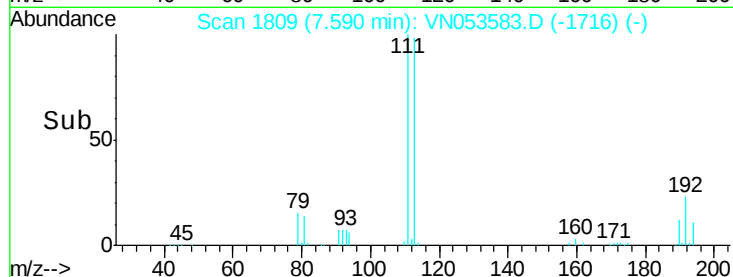
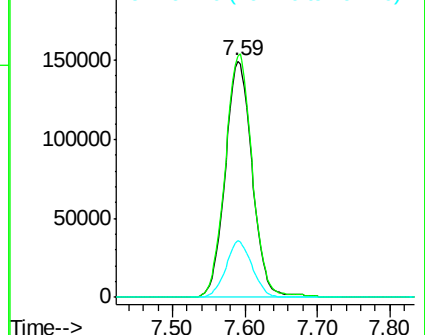
192 23.1 18.2 27.2



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: 4.165 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053583.D

Acq: 1 Feb 2019 18:15

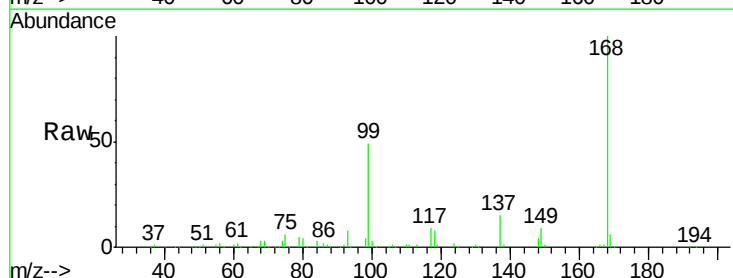
Tgt Ion: 75 Resp: 46274

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

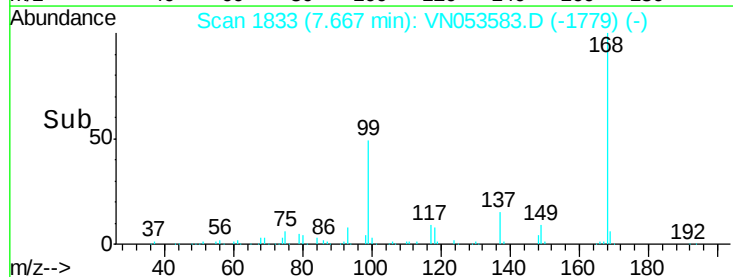
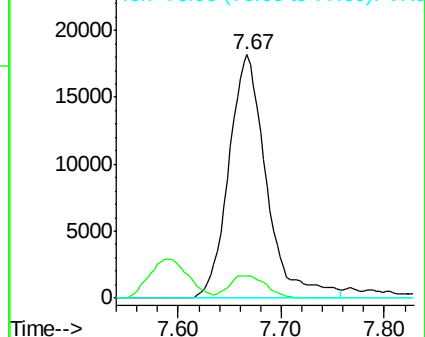
77 0.0 25.1 37.7#

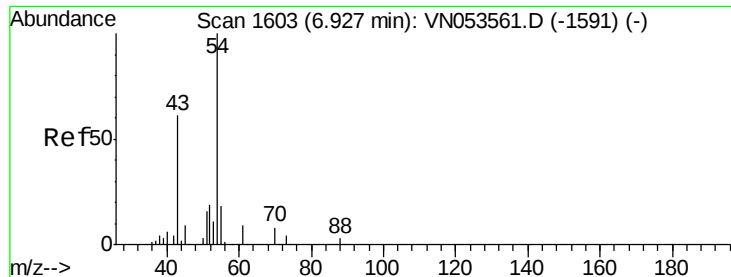


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 1.347 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.09 min

Lab File: VN053583.D

Acq: 1 Feb 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

WC-1

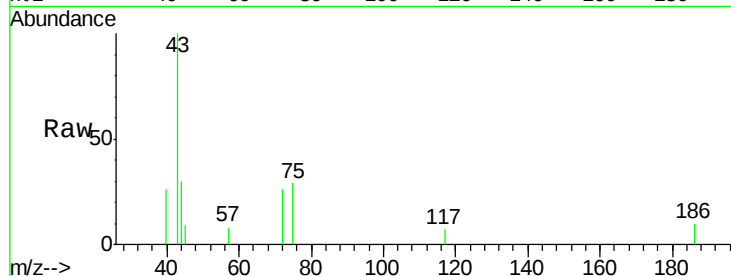
Tot Ion: 43 Resp: 8358

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

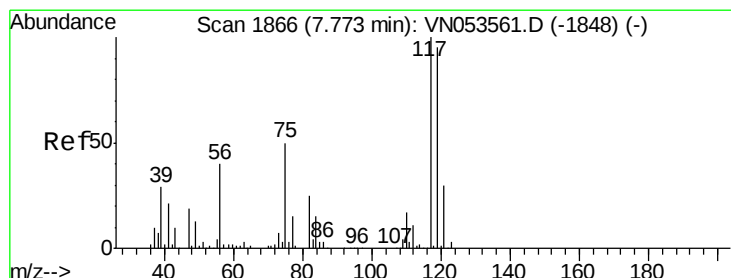
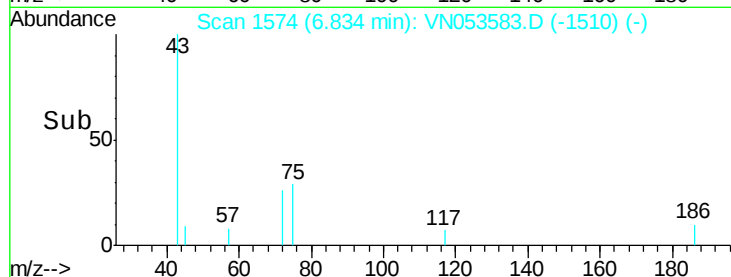
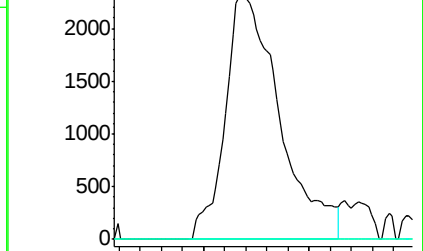
70 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053583.D (-1510) (-)

Ion 60.90 (60.60 to 61.60): VN053583.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN053583.D (-1510) (-)



#38

Carbon Tetrachloride

Concen: 5.455 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053583.D

Acq: 1 Feb 2019 18:15

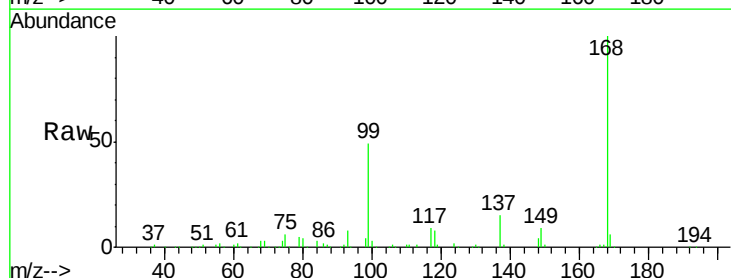
Tgt Ion: 117 Resp: 61053

Ion Ratio Lower Upper

117 100

119 6.7 77.2 115.8#

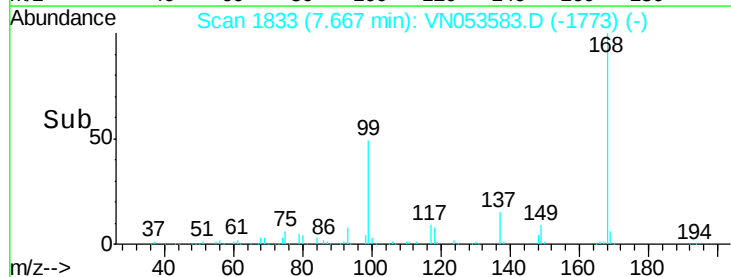
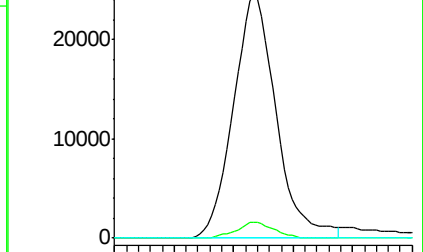
121 0.0 24.6 37.0#

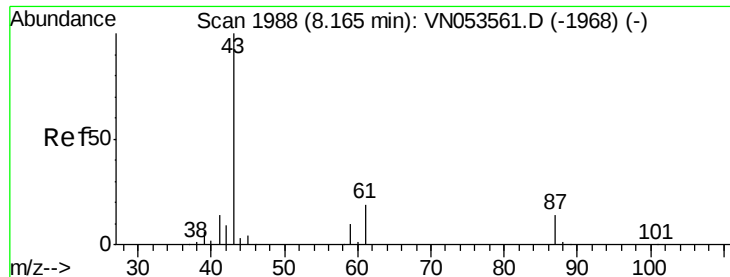


Abundance Ion 116.80 (116.50 to 117.50): VN053583.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053583.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053583.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 3.669 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN053583.D

Acq: 1 Feb 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

WC-1

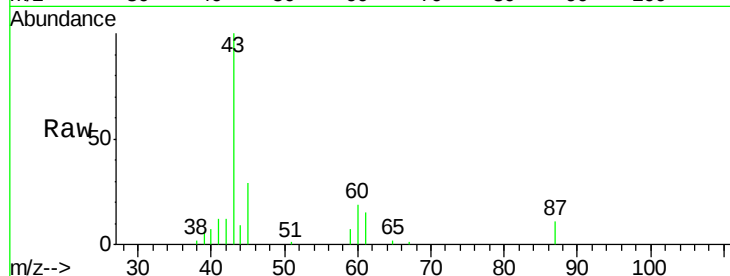
Tot Ion: 43 Resp: 43962

Ion Ratio Lower Upper

43 100

61 12.9 23.9 35.9#

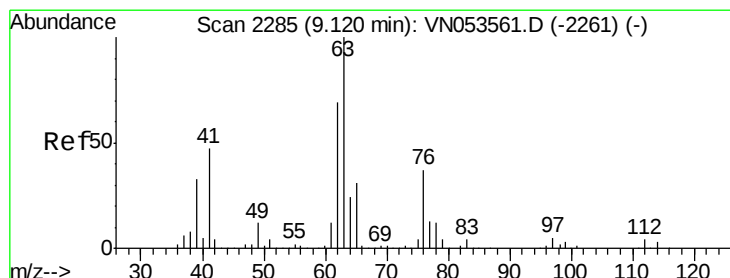
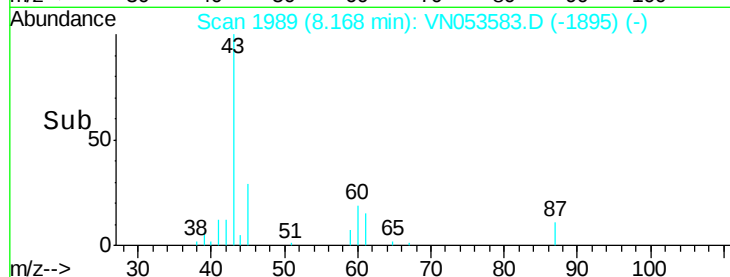
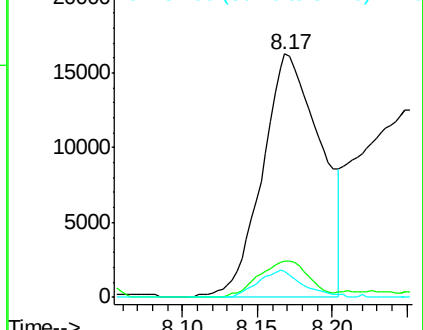
87 8.5 11.0 16.6#



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



#45

1,2-Dichloropropane

Concen: 0.231 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053583.D

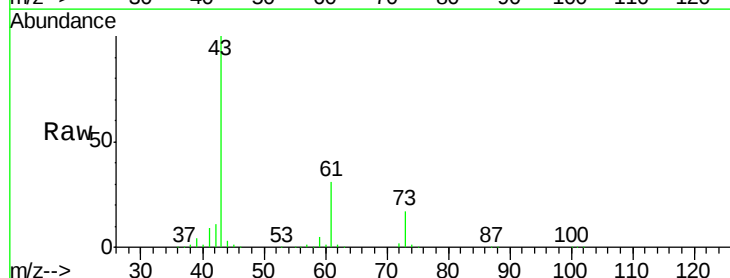
Acq: 1 Feb 2019 18:15

Tgt Ion: 63 Resp: 2022

Ion Ratio Lower Upper

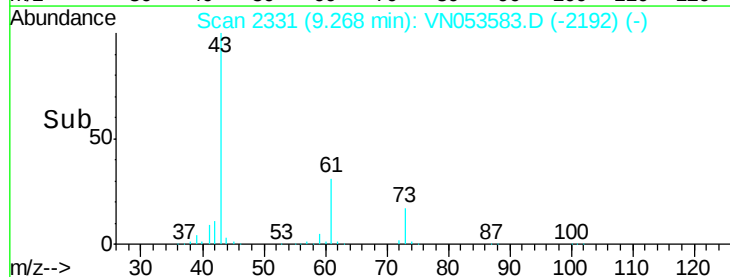
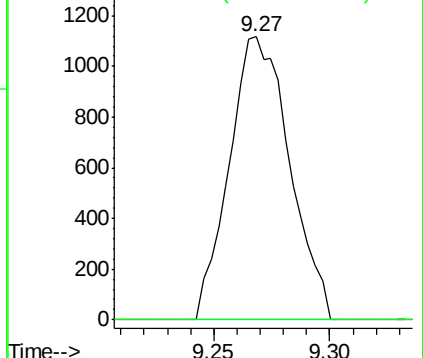
63 100

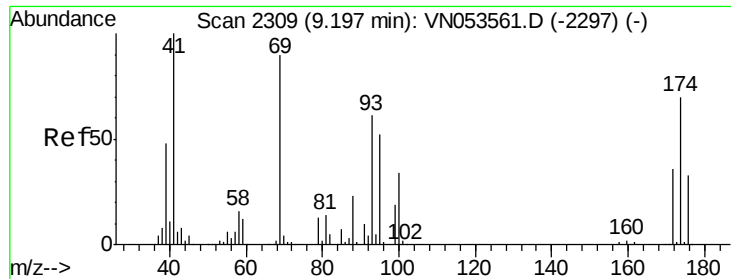
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

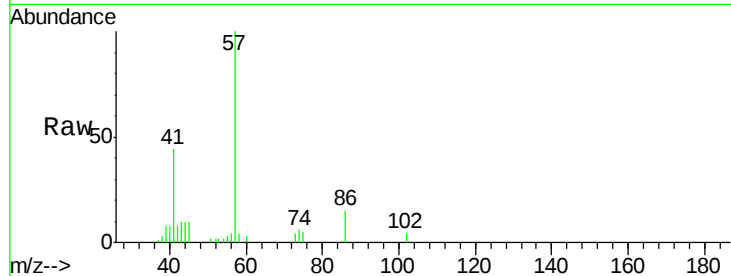




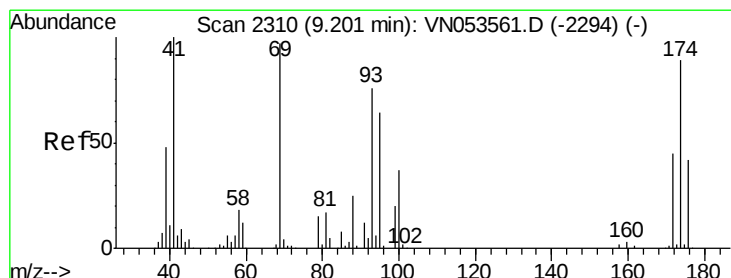
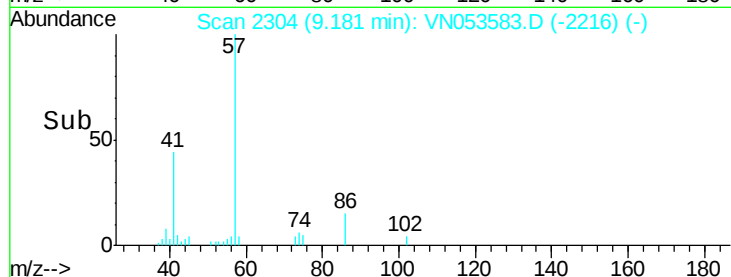
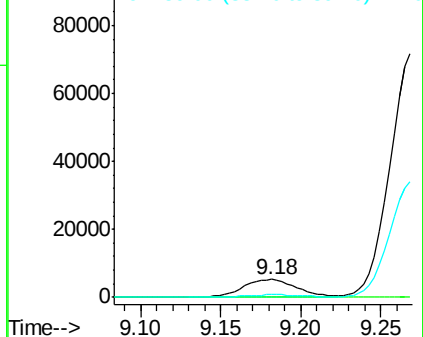
#48
Methvl methacrylate
Concen: 2.173 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tot Ion: 41 Resp: 12428
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#

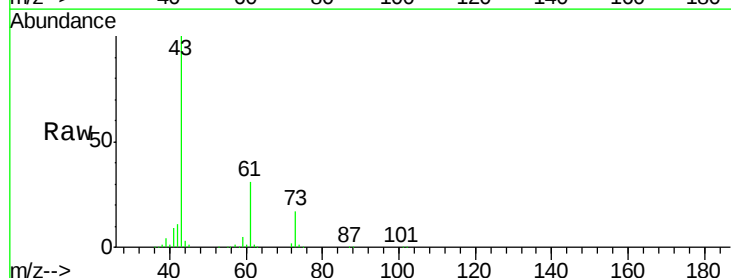


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

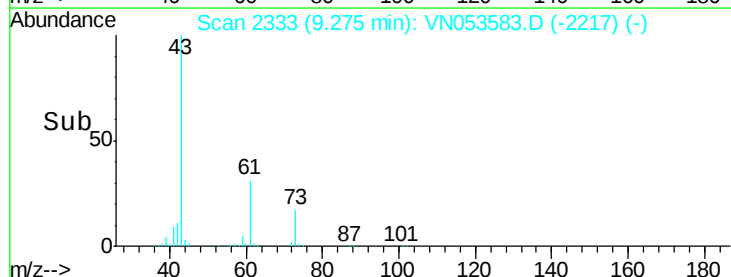
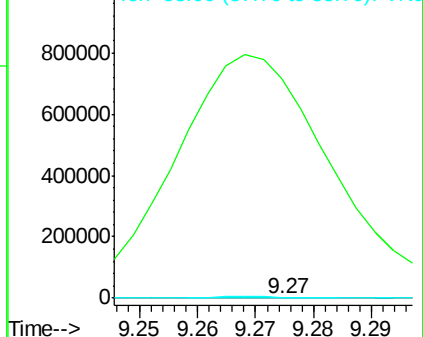


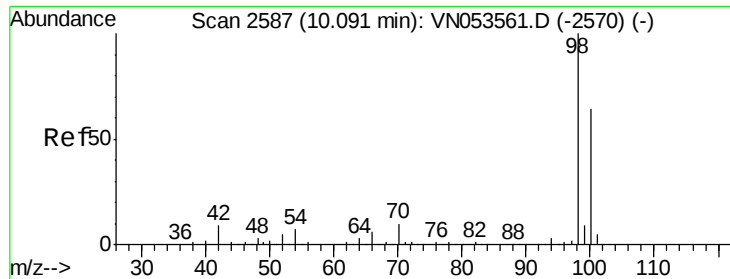
#49
1,4-Dioxane
Concen: 41.092 ug/l
RT: 9.27 min Scan# 2333
Delta R.T. 0.07 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

Tgt Ion: 88 Resp: 172
Ion Ratio Lower Upper
88 100
43 95194.2 27.8 41.6#
58 4261.0 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 41.092 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053583.D

Acq: 1 Feb 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

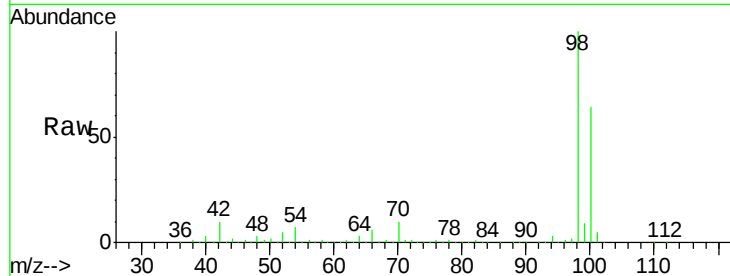
WC-1

Tot Ion: 98 Resp: 1499840

Ion Ratio Lower Upper

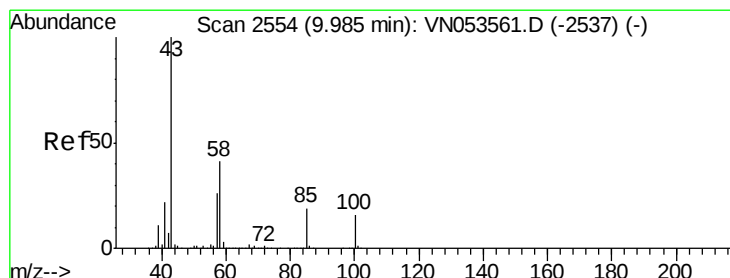
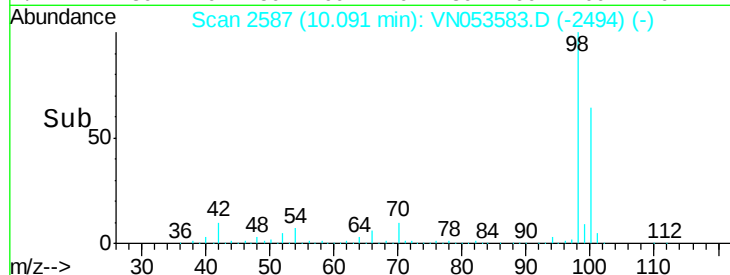
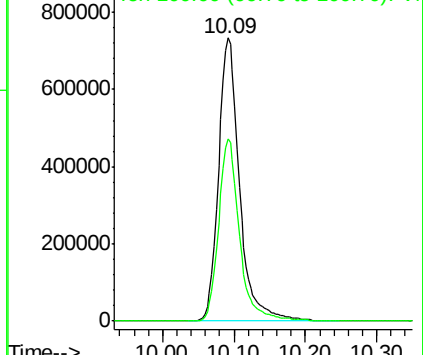
98 100

100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.667 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053583.D

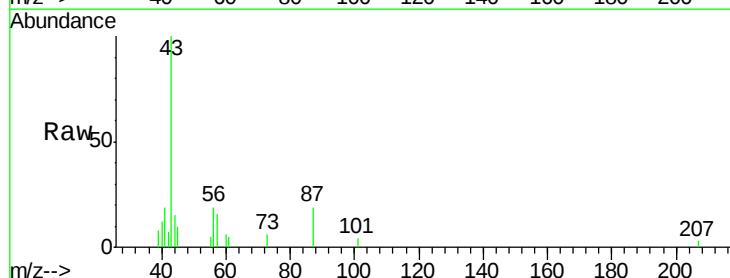
Acq: 1 Feb 2019 18:15

Tgt Ion: 43 Resp: 9818

Ion Ratio Lower Upper

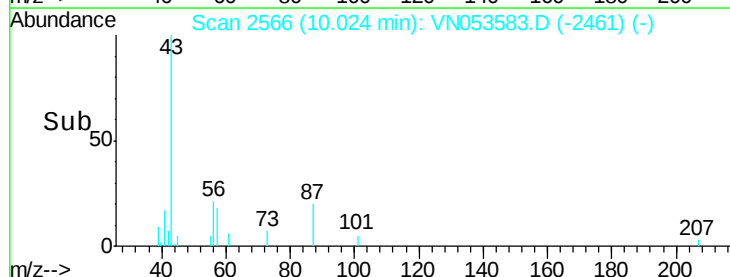
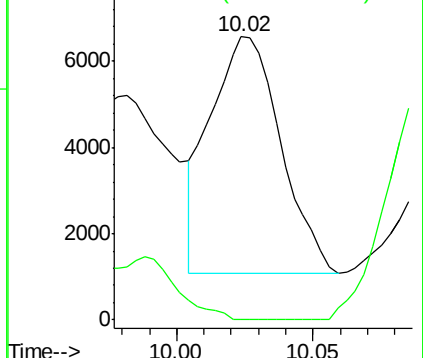
43 100

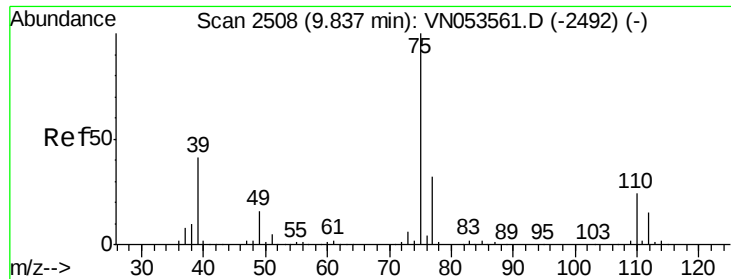
58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



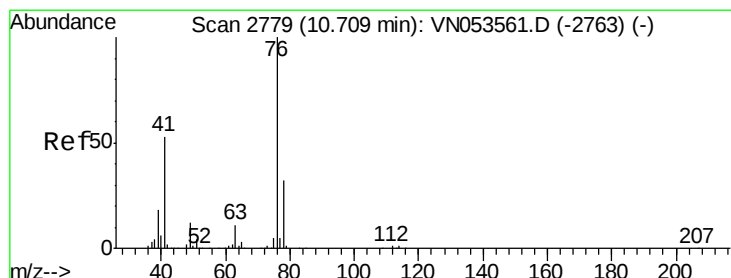
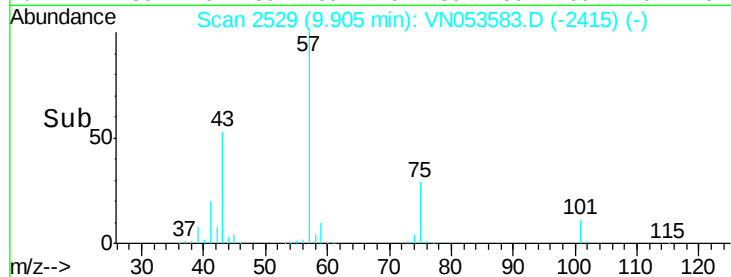
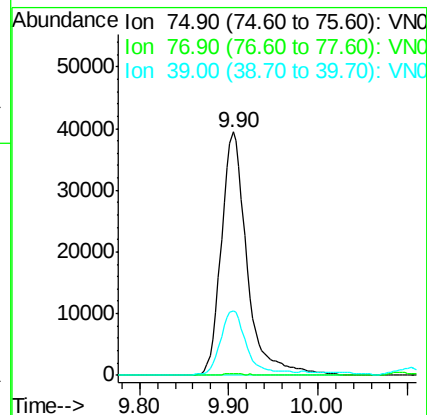
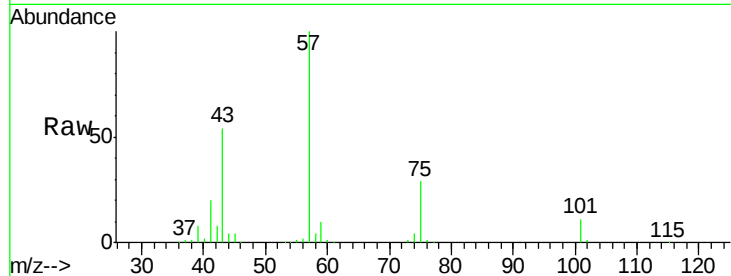


#54

cis-1,3-Dichloropropene
 Concen: 6.070 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053583.D
 Acq: 1 Feb 2019 18:15

Instrument :
 MSVOA_N
 ClientSampled :
 WC-1

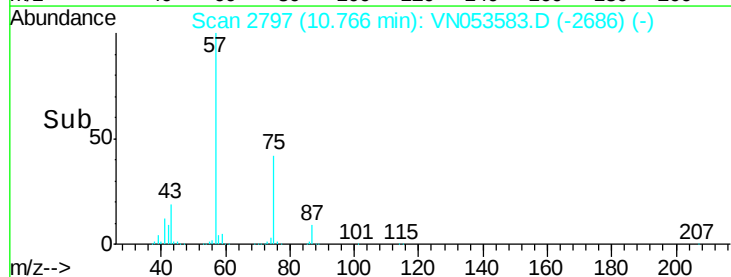
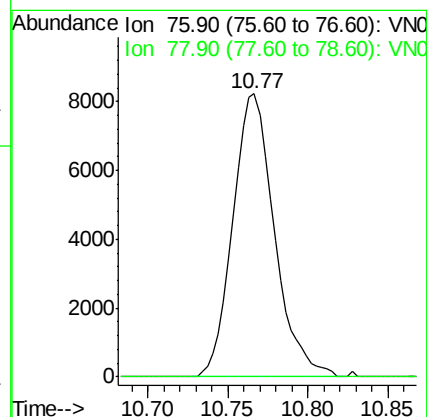
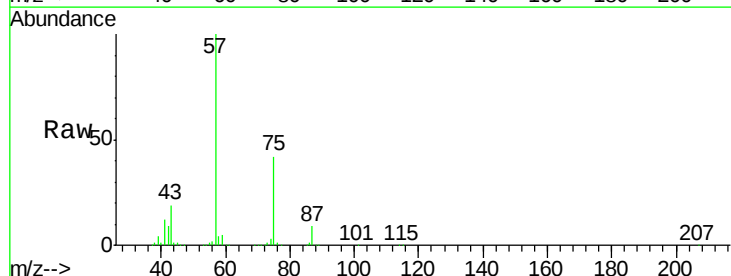
Tot Ion: 75 Resp: 79100
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.6#
 39 26.4 33.4 50.0#

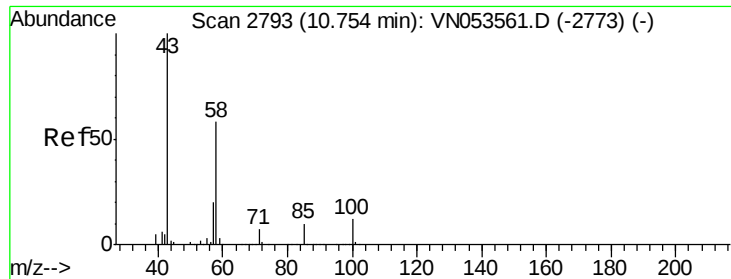


#57

1,3-Dichloropropane
 Concen: 1.165 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN053583.D
 Acq: 1 Feb 2019 18:15

Tgt Ion: 76 Resp: 14594
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

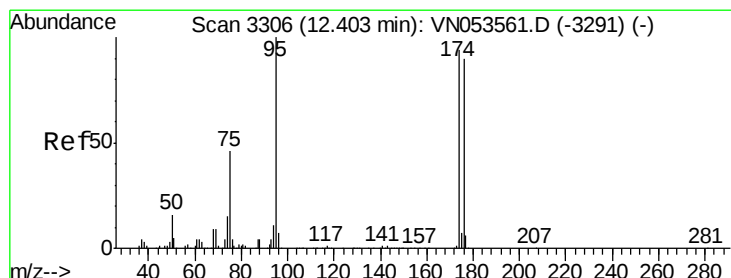
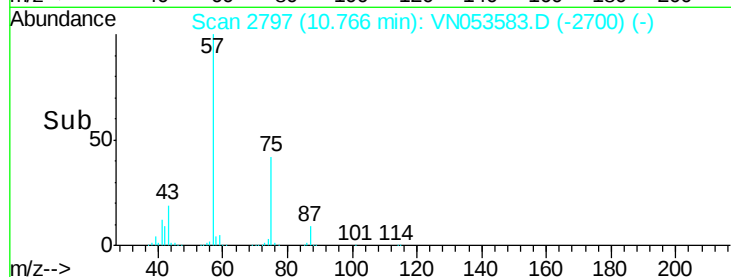
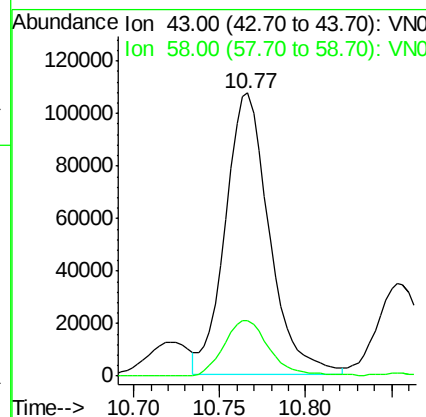
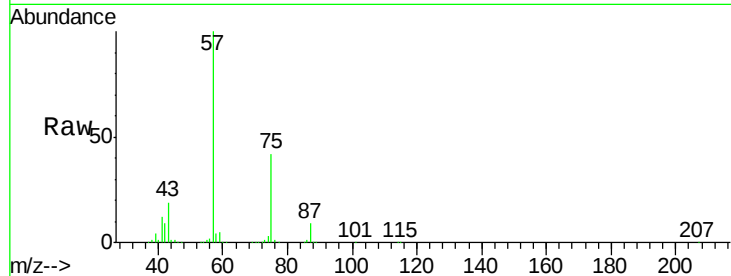




#59
2-Hexanone
Concen: 47.971 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

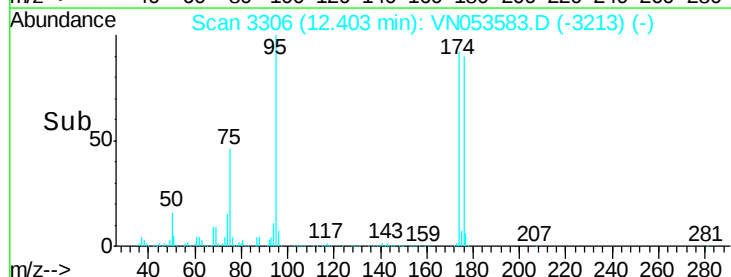
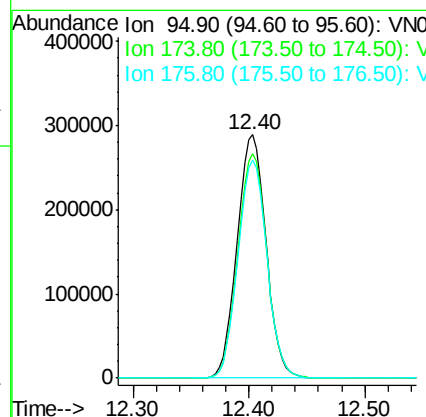
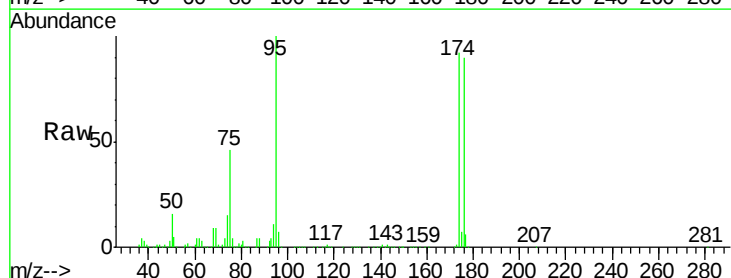
Instrument :
MSVOA_N
ClientSampled :
WC-1

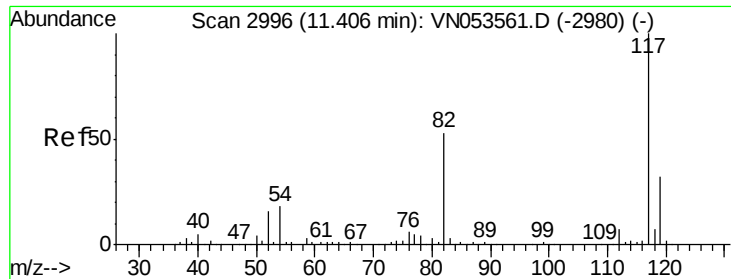
Tot Ion: 43 Resp: 191762
Ion Ratio Lower Upper
43 100
58 20.5 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

Tgt Ion: 95 Resp: 496323
Ion Ratio Lower Upper
95 100
174 92.4 0.0 183.2
176 90.1 0.0 177.4

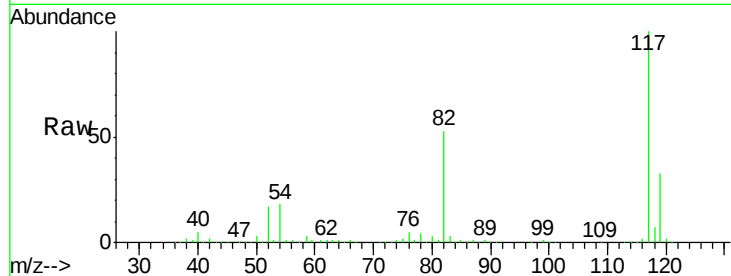




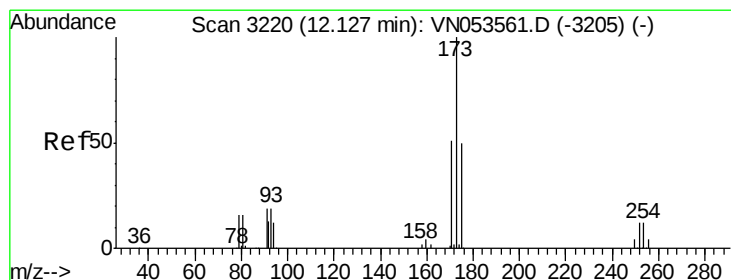
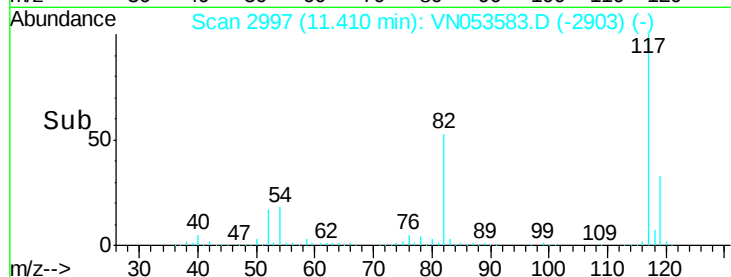
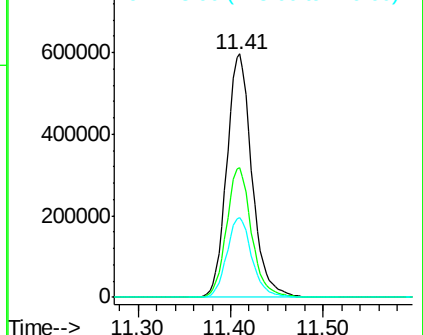
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

Instrument :
MSVOA_N
ClientSampled :
WC-1

Tot Ion:117 Resp: 1119378
Ion Ratio Lower Upper
117 100
82 53.2 42.9 64.3
119 33.0 26.0 39.0

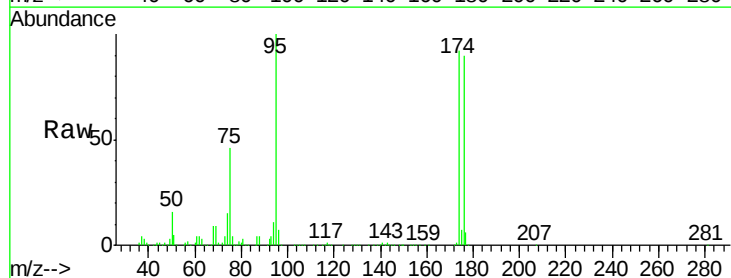


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

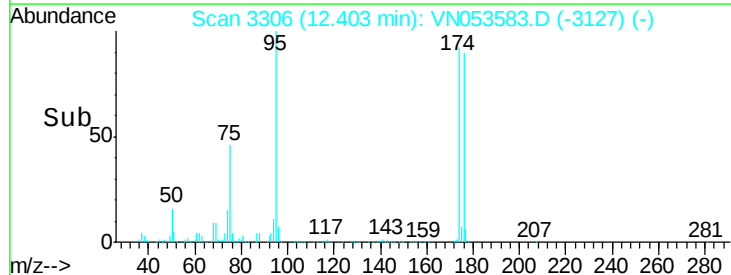
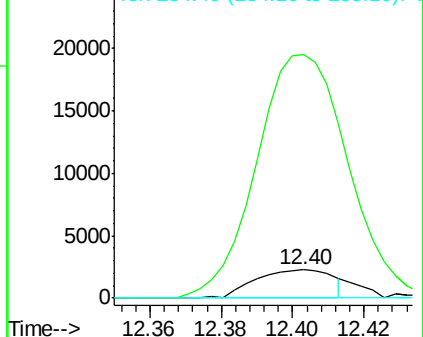


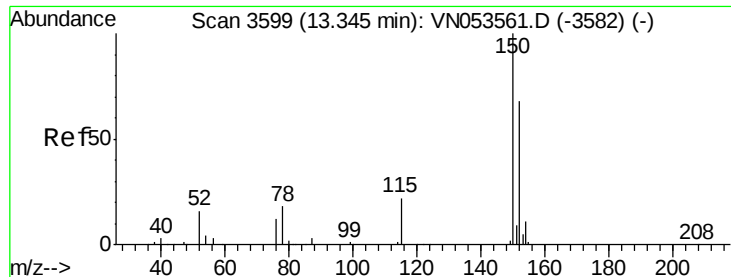
#71
Bromoform
Concen: 0.602 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053583.D
Acq: 1 Feb 2019 18:15

Tgt Ion:173 Resp: 3429
Ion Ratio Lower Upper
173 100
175 849.0 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: VN053583.D

Acq: 1 Feb 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

WC-1

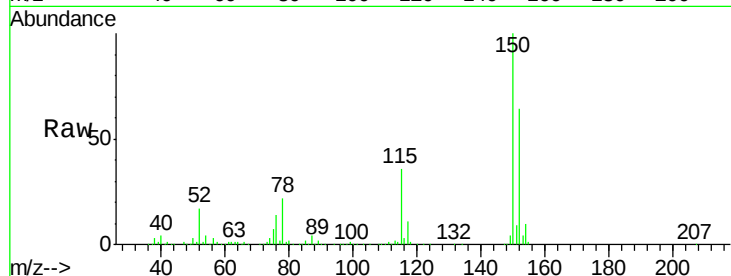
Tot Ion:152 Resp: 474525

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

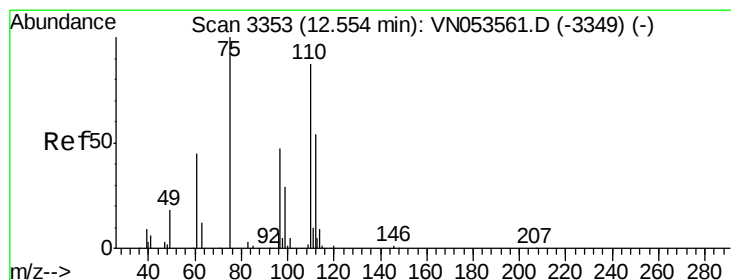
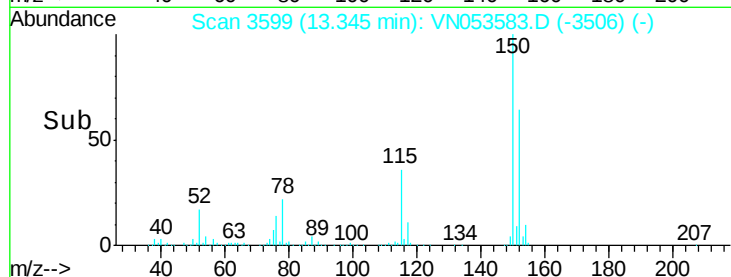
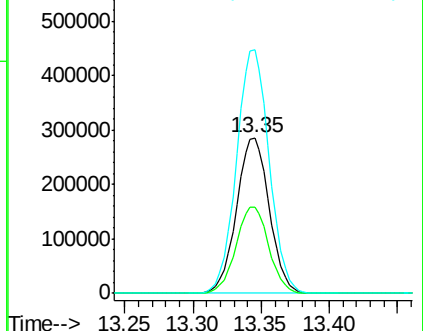
150 156.5 0.0 349.0



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: 37.743 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053583.D

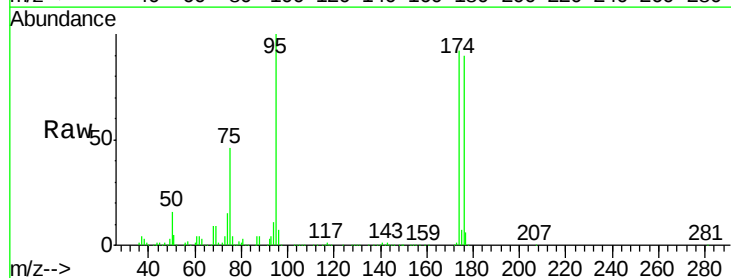
Acq: 1 Feb 2019 18:15

Tgt Ion: 75 Resp: 230043

Ion Ratio Lower Upper

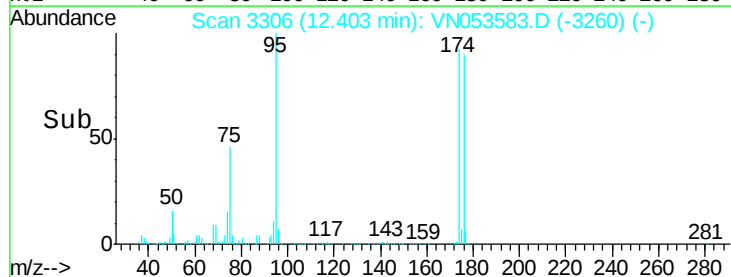
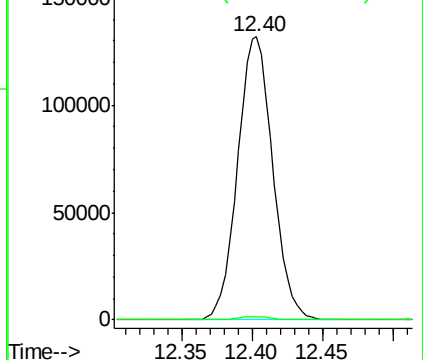
75 100

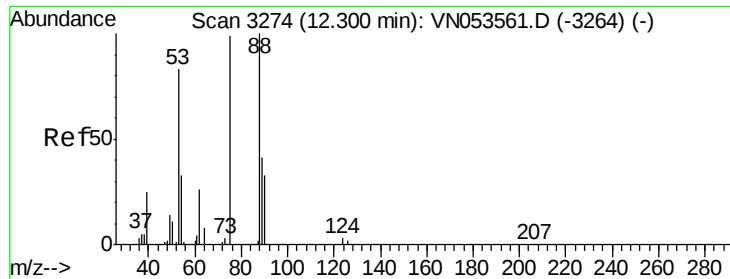
77 1.1 0.0 0.0#



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: 106.130 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053583.D

Acq: 1 Feb 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

WC-1

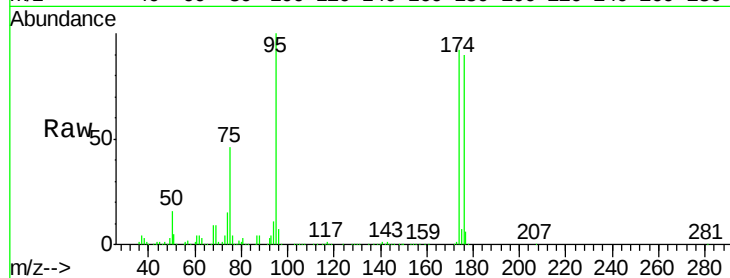
Tot Ion: 75 Resp: 230043

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

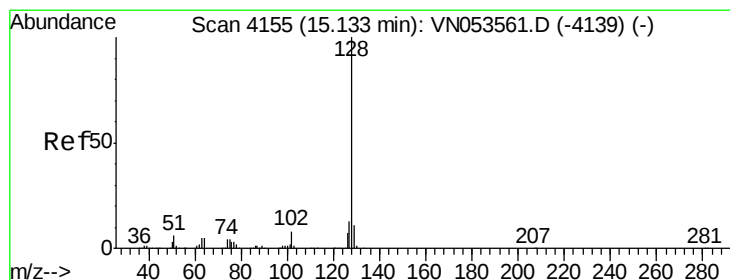
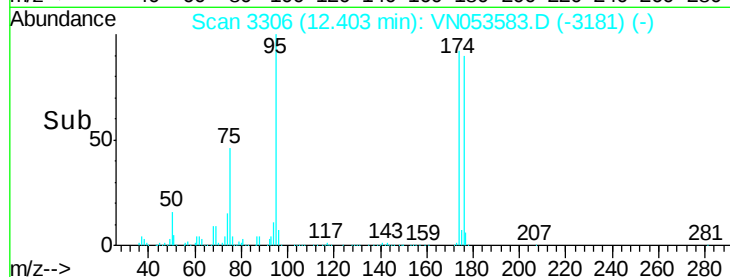
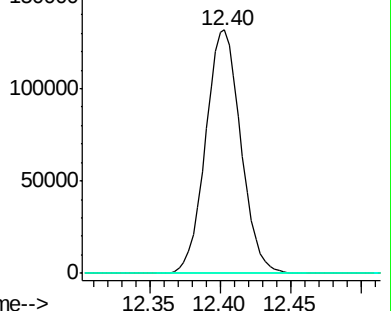
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053583.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053583.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053583.D (-3181) (-)



#95

Naphthalene

Concen: 1.881 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053583.D

Acq: 1 Feb 2019 18:15

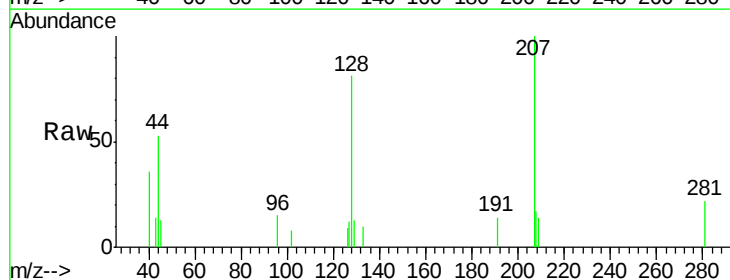
Tgt Ion:128 Resp: 3132

Ion Ratio Lower Upper

128 100

127 7.3 10.3 15.5#

129 6.2 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN053583.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN053583.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN053583.D (-4061) (-)

