

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\
 Data File : VN053565.D
 Acq On : 30 Jan 2019 12:18
 Operator : JC/SP
 Sample : VN0130WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBL01

Quant Time: Jan 31 06:14:09 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	750535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1203695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1093163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	470719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	390140	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.59	113	381243	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.09	98	1452303	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	492036	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

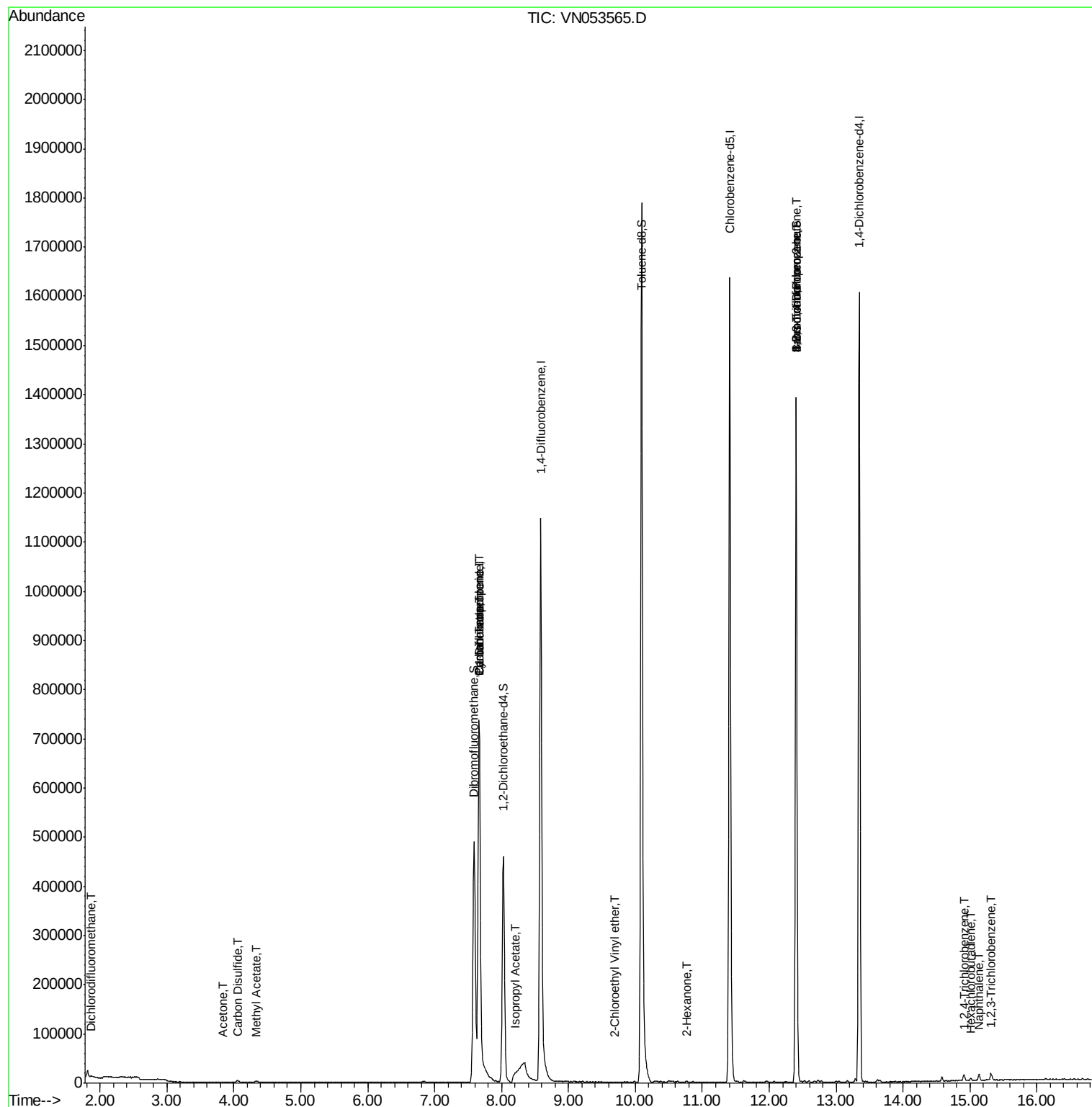
						Qvalue
2) Dichlorodifluoromethane	1.85	85	245	0.367	ug/l #	42
16) Acetone	3.84	43	1947	1.008	ug/l	99
17) Carbon Disulfide	4.05	76	8103	0.374	ug/l	96
18) Methyl Acetate	4.34	43	4983	0.871	ug/l #	67
31) Cyclohexane	7.66	56	10723	0.675	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	42579	3.924	ug/l #	49
38) Carbon Tetrachloride	7.66	117	59502	5.444	ug/l #	16
43) Isopropyl Acetate	8.20	43	15510	1.325	ug/l #	51
58) 2-Chloroethyl Vinyl ether	9.69	63	221	8.050	ug/l #	48
59) 2-Hexanone	10.76	43	2130	0.546	ug/l	83
71) Bromoform	12.40	173	3126	0.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	226995	37.544	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	226995	105.571	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	4973	0.565	ug/l	96
94) Hexachlorobutadiene	15.01	225	1434	0.262	ug/l #	62
95) Naphthalene	15.14	128	12532	2.321	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	6445	0.789	ug/l	99

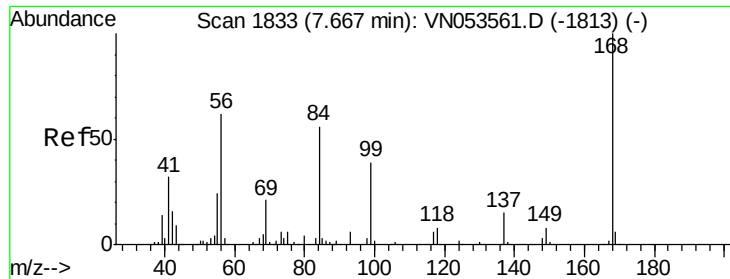
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

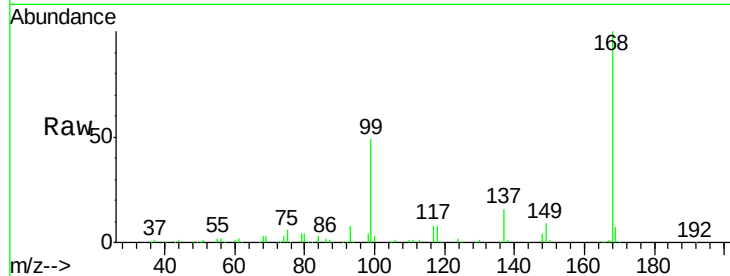
VN0130WBL01

Tot Ion:168 Resp: 750535

Ion Ratio Lower Upper

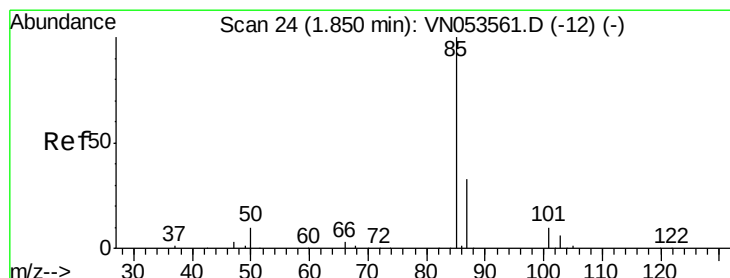
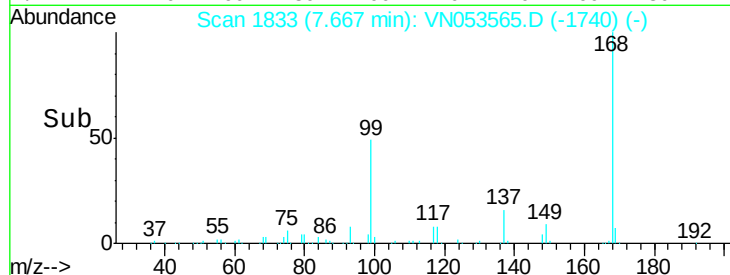
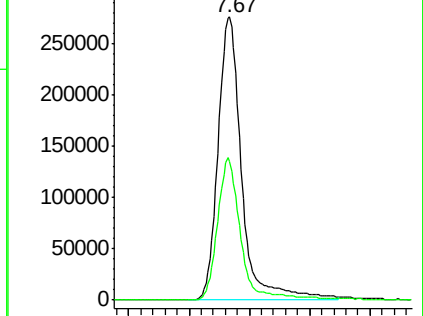
168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.367 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053565.D

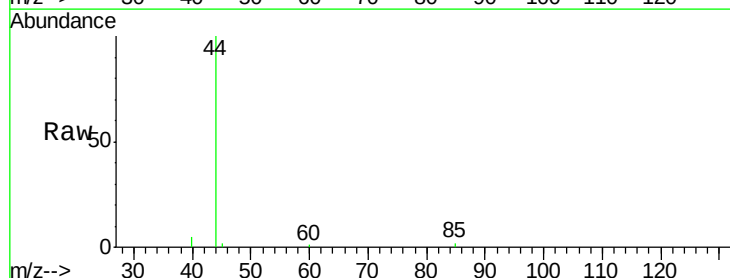
Acq: 30 Jan 2019 12:18

Tgt Ion: 85 Resp: 245

Ion Ratio Lower Upper

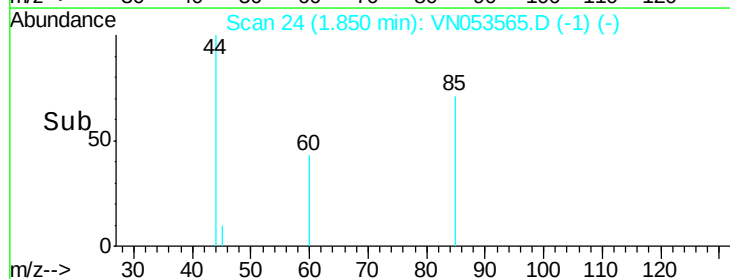
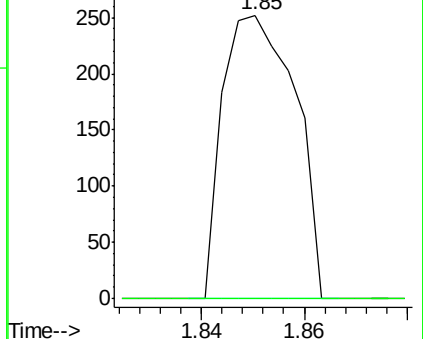
85 100

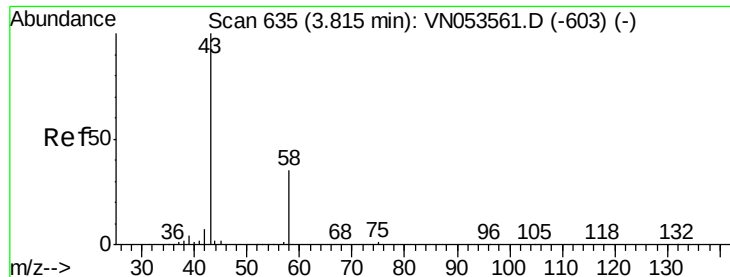
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#16

Acetone

Concen: 1.008 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

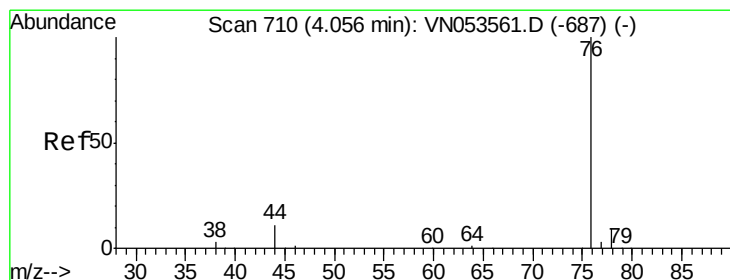
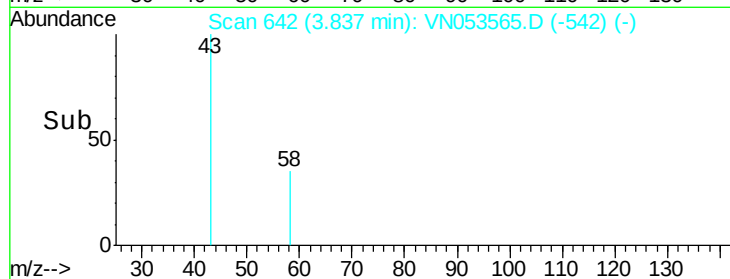
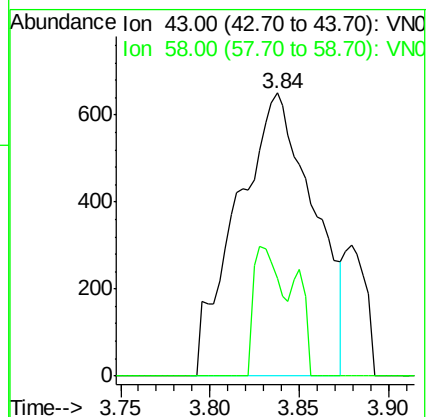
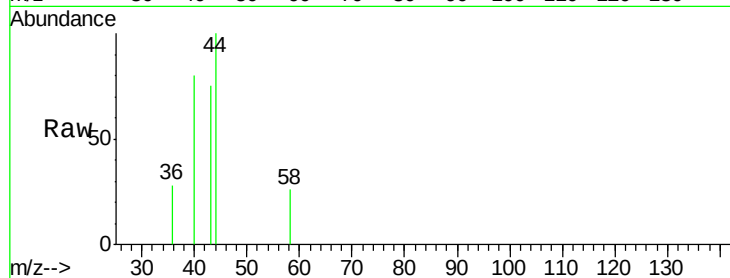
VN0130WBL01

Tot Ion: 43 Resp: 1947

Ion Ratio Lower Upper

43 100

58 34.6 27.1 40.7



#17

Carbon Disulfide

Concen: 0.374 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053565.D

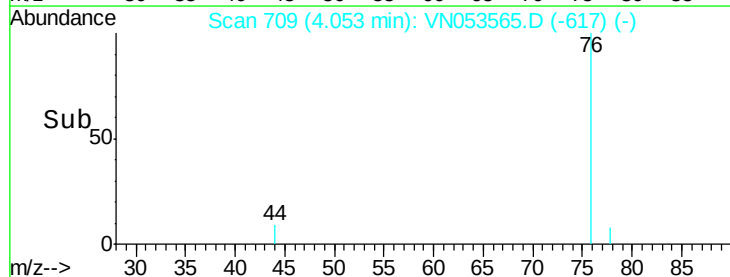
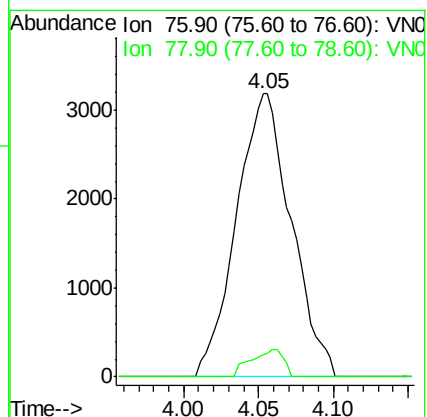
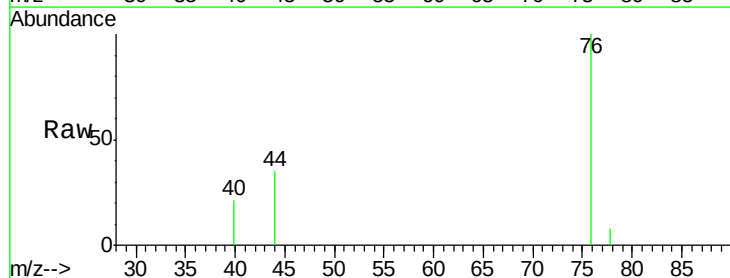
Acq: 30 Jan 2019 12:18

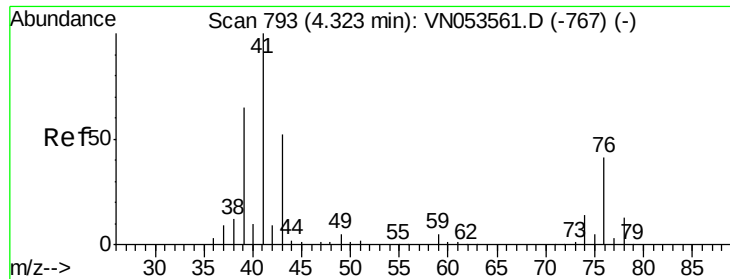
Tgt Ion: 76 Resp: 8103

Ion Ratio Lower Upper

76 100

78 7.8 7.3 10.9

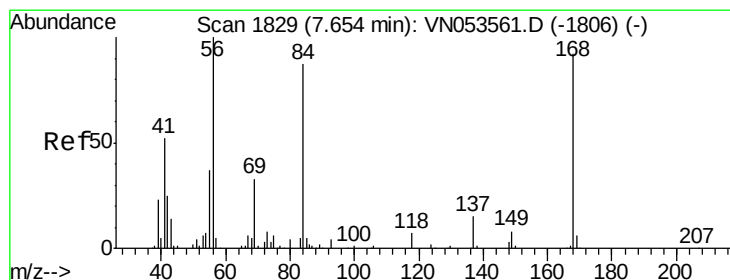
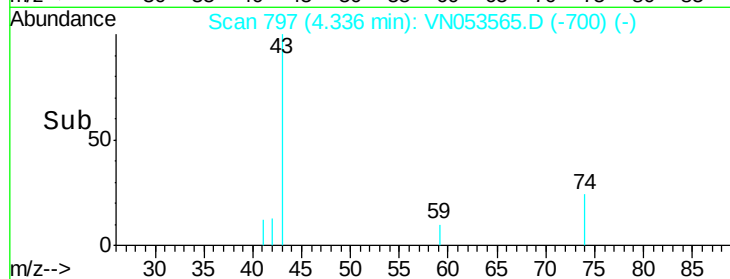
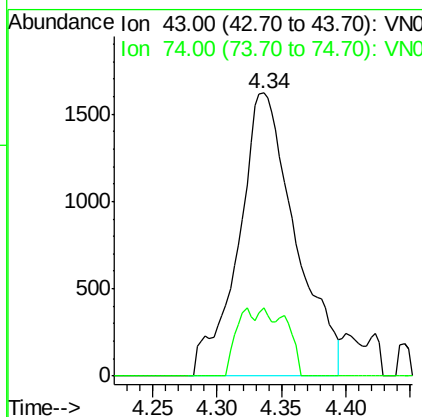
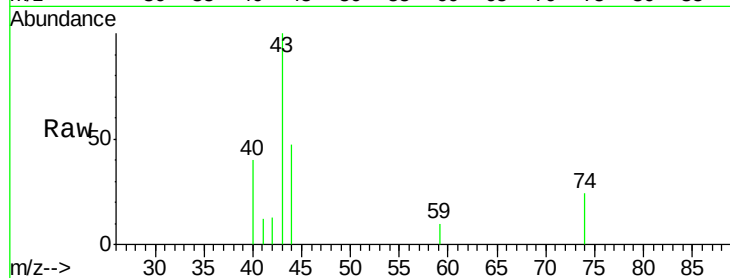




#18
Methyl Acetate
Concen: 0.871 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053565.D
Acq: 30 Jan 2019 12:18

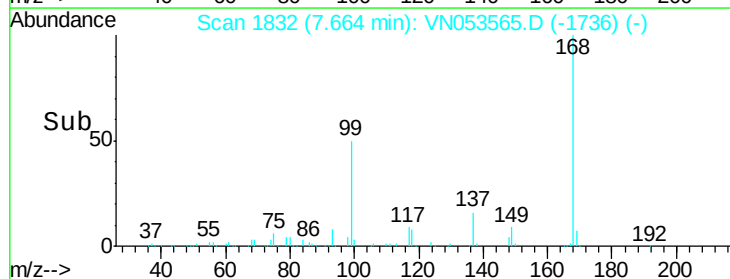
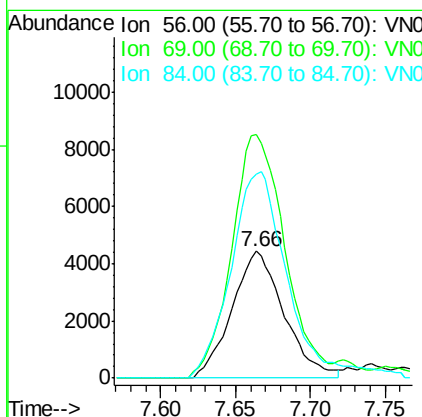
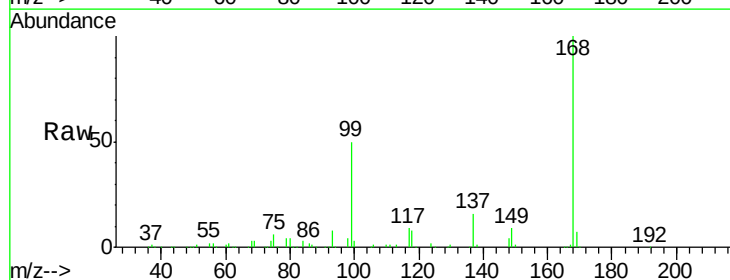
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

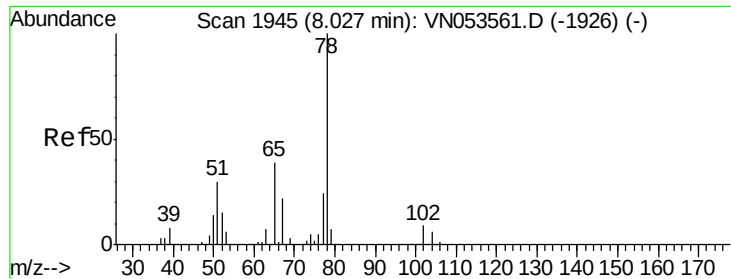
Tot Ion: 43 Resp: 4983
Ion Ratio Lower Upper
43 100
74 8.1 19.4 29.2#



#31
Cyclohexane
Concen: 0.675 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053565.D
Acq: 30 Jan 2019 12:18

Tgt Ion: 56 Resp: 10723
Ion Ratio Lower Upper
56 100
69 192.0 26.4 39.6#
84 160.5 67.9 101.9#

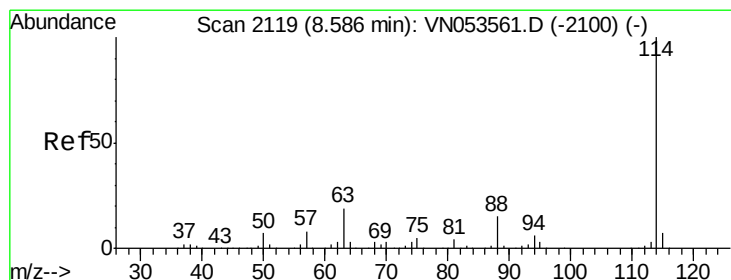
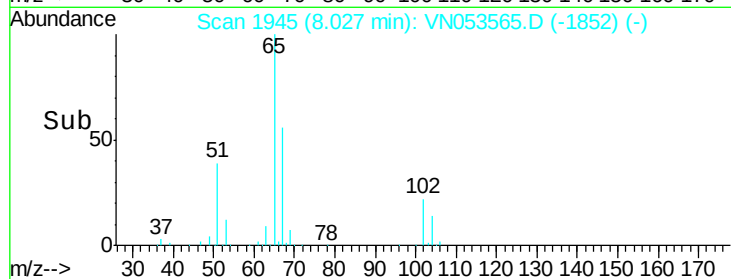
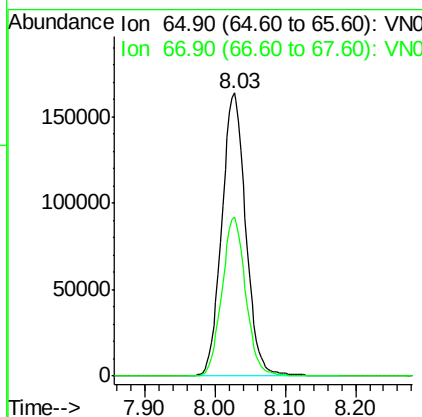
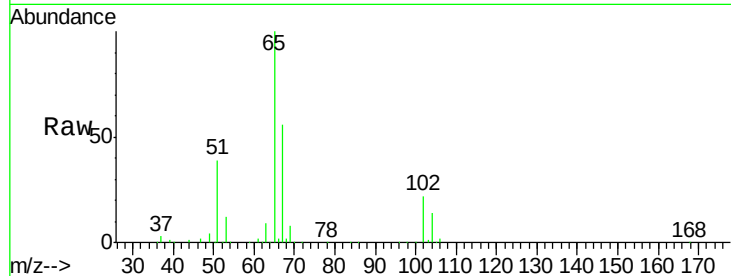




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053565.D
 Acq: 30 Jan 2019 12:18

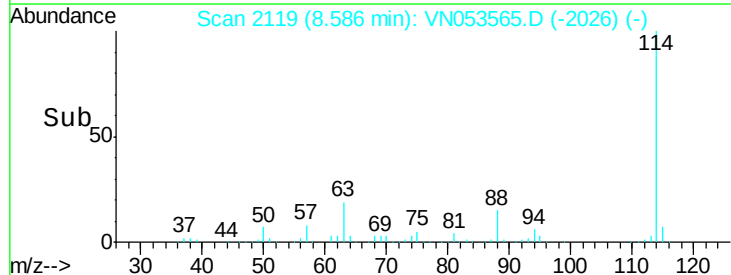
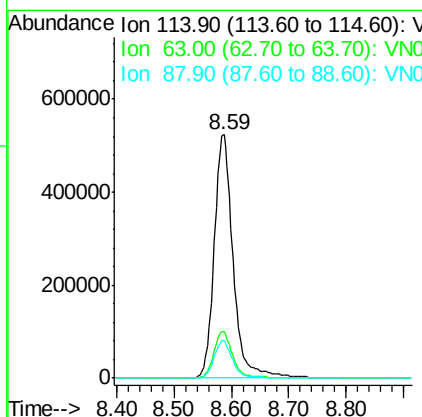
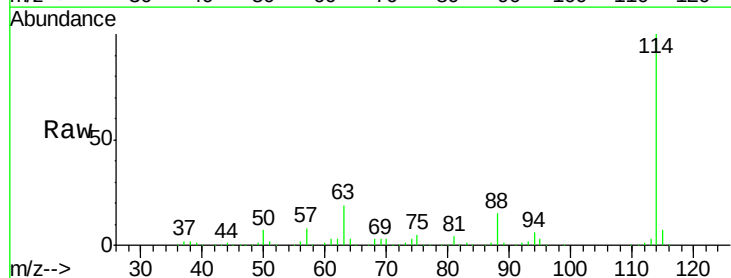
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBL01

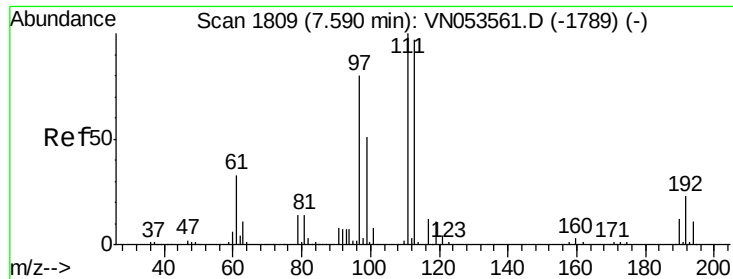
Tot Ion: 65 Resp: 390140
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053565.D
 Acq: 30 Jan 2019 12:18

Tgt Ion: 114 Resp: 1203695
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.5 0.0 30.4

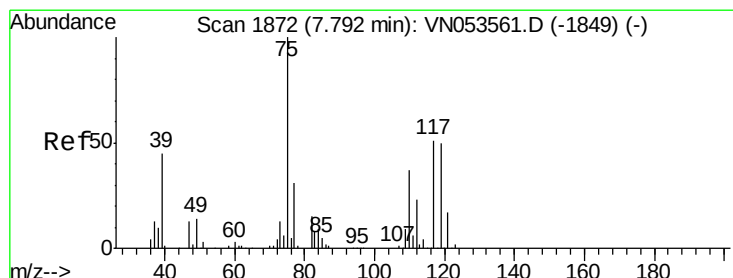
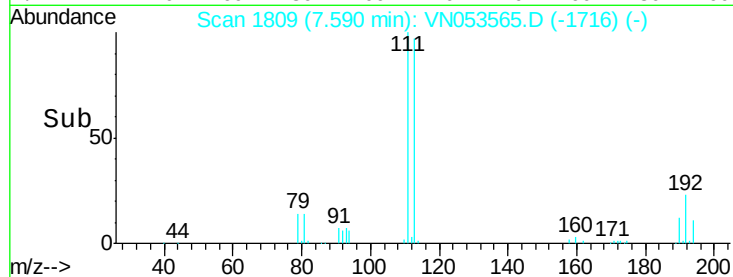
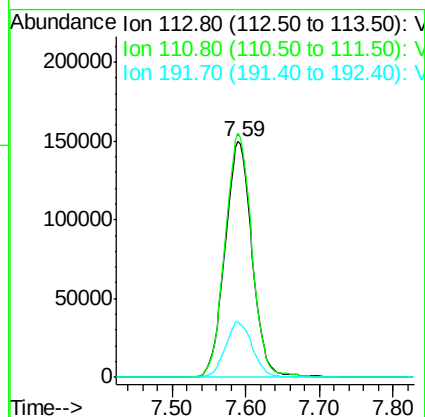
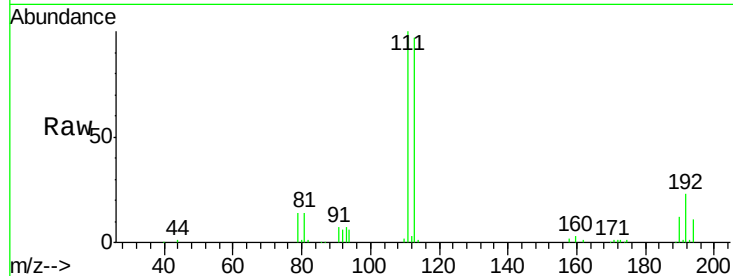




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053565.D
 Acq: 30 Jan 2019 12:18

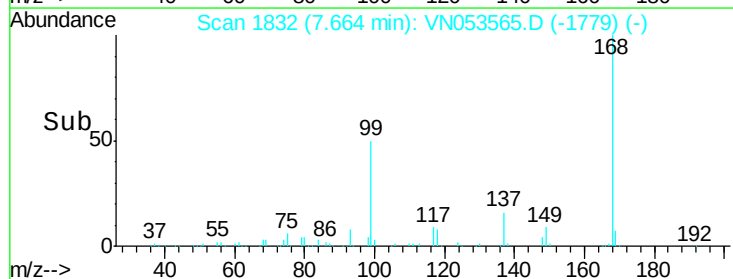
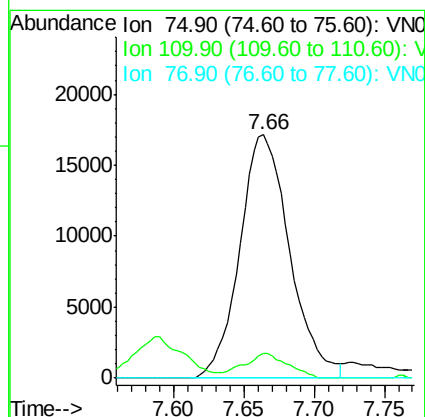
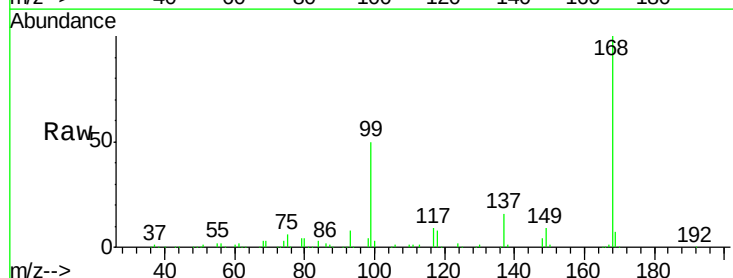
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBL01

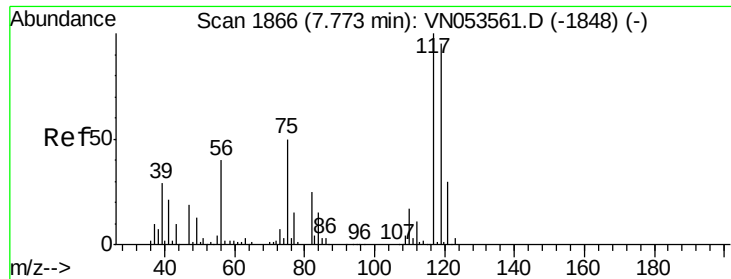
Tot Ion:113 Resp: 381243
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.1 121.7
 192 23.5 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 3.924 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053565.D
 Acq: 30 Jan 2019 12:18

Tgt Ion: 75 Resp: 42579
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.444 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBL01

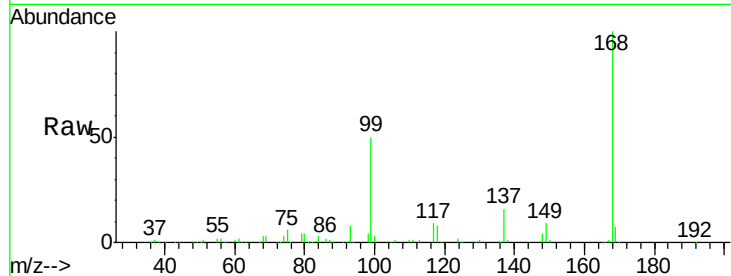
Tot Ion:117 Resp: 59502

Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

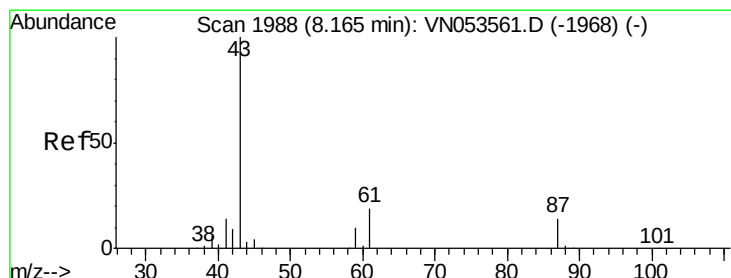
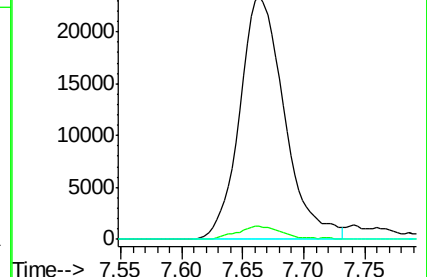
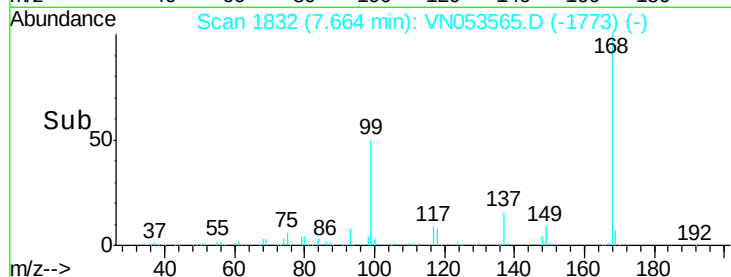
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 1.325 ug/l

RT: 8.20 min Scan# 1998

Delta R.T. 0.03 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

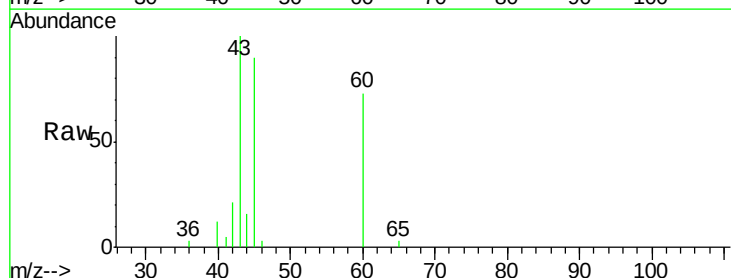
Tgt Ion: 43 Resp: 15510

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

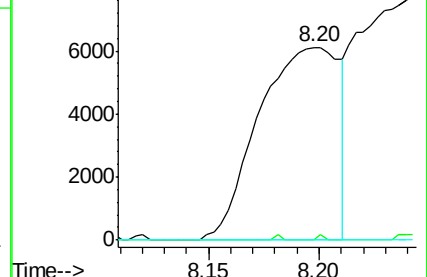
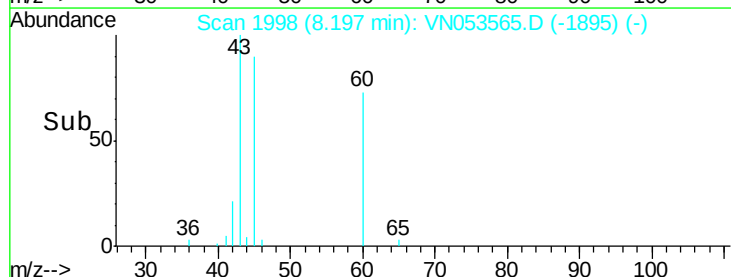
87 0.0 11.0 16.6#

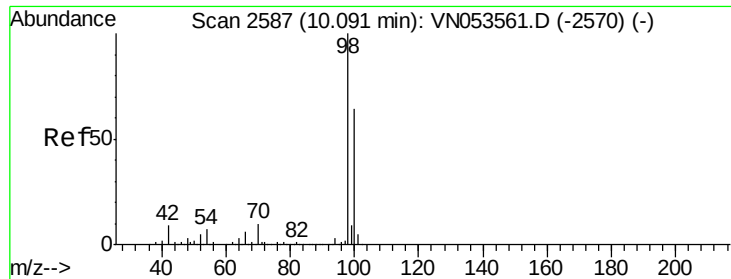


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

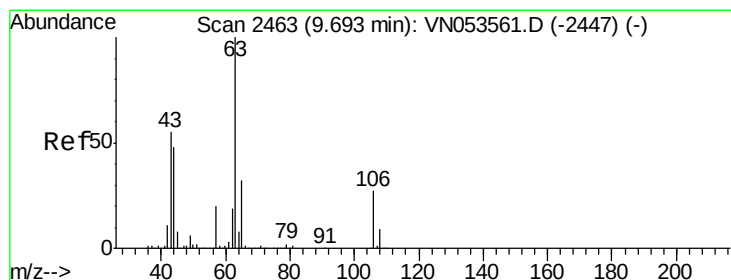
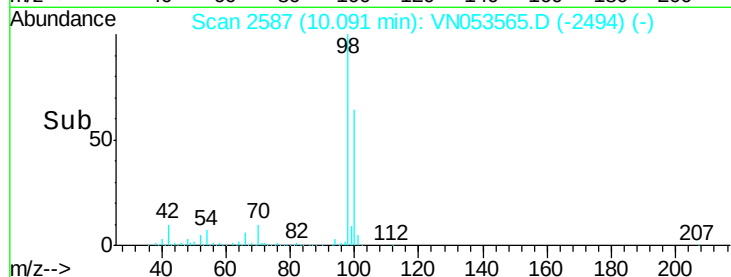
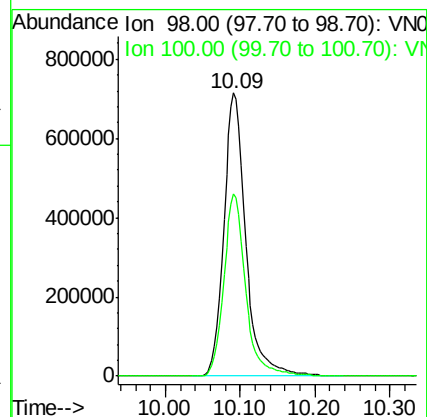
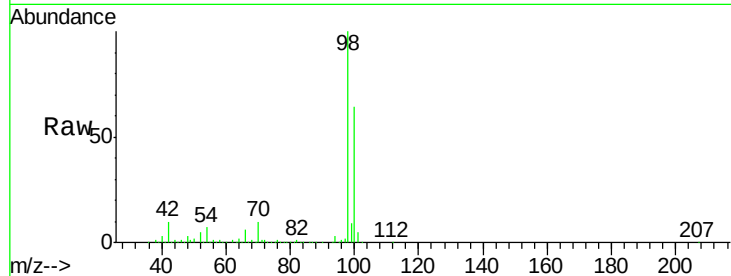
VN0130WBL01

Tot Ion: 98 Resp: 1452303

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0



#58

2-Chloroethyl Vinyl ether

Concen: 8.050 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053565.D

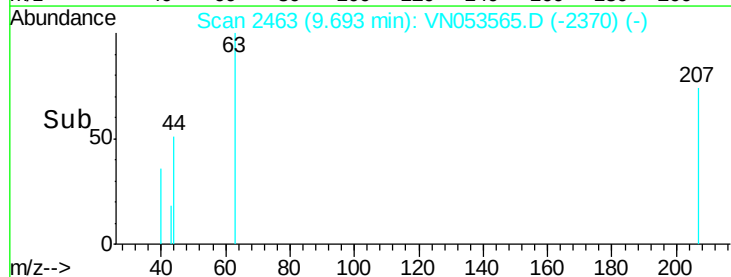
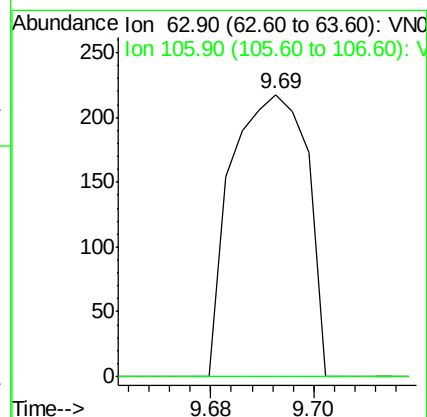
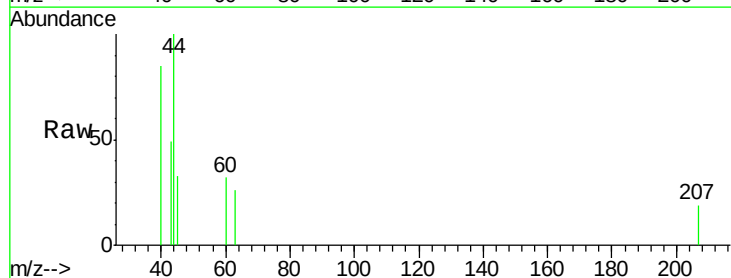
Acq: 30 Jan 2019 12:18

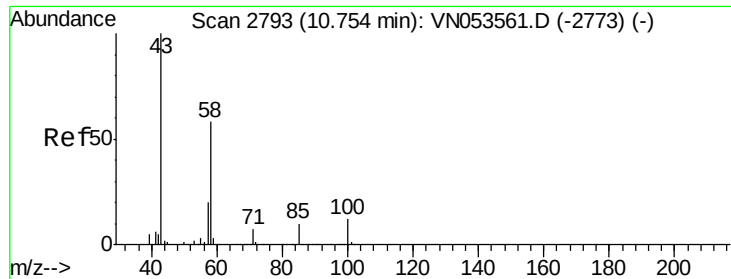
Tgt Ion: 63 Resp: 221

Ion Ratio Lower Upper

63 100

106 0.0 21.5 32.3#





#59

2-Hexanone

Concen: 0.546 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

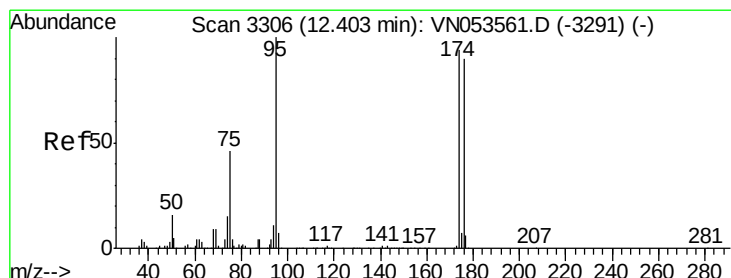
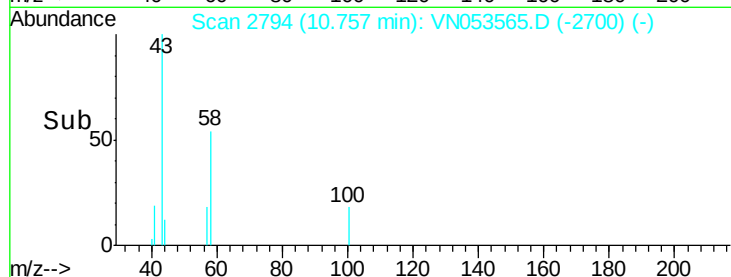
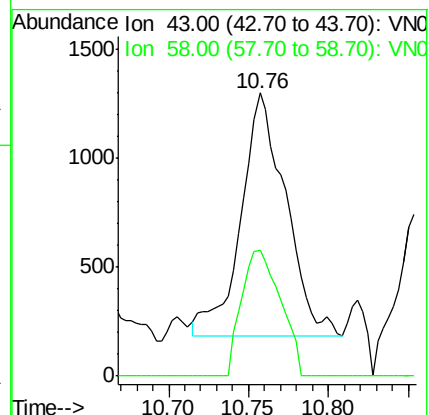
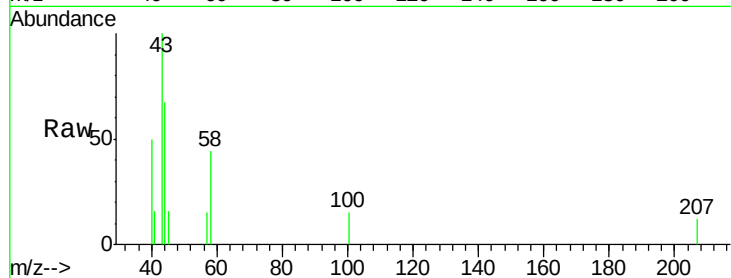
VN0130WBL01

Tot Ion: 43 Resp: 2130

Ion Ratio Lower Upper

43 100

58 45.0 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: VN053565.D

Acq: 30 Jan 2019 12:18

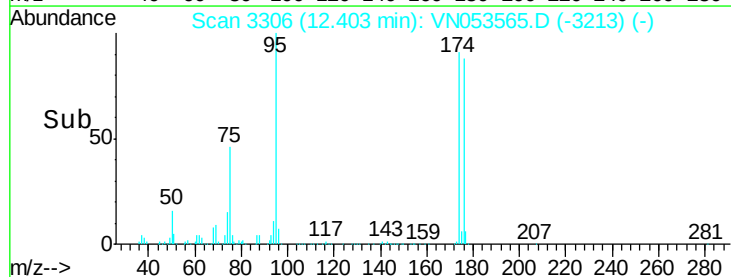
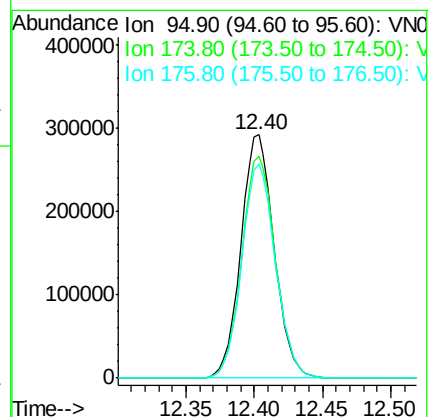
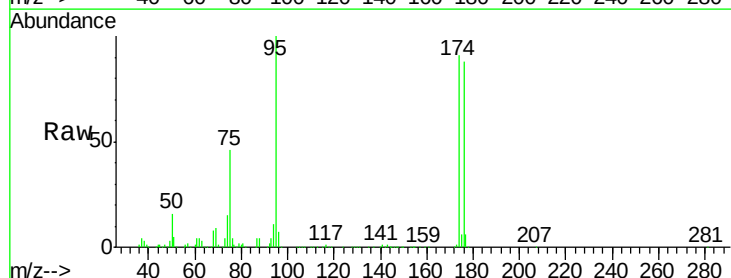
Tgt Ion: 95 Resp: 492036

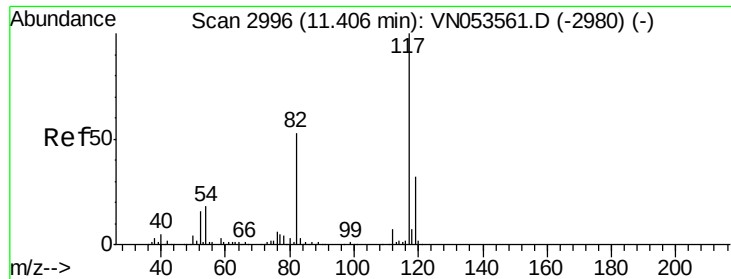
Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.2

176 89.2 0.0 177.4

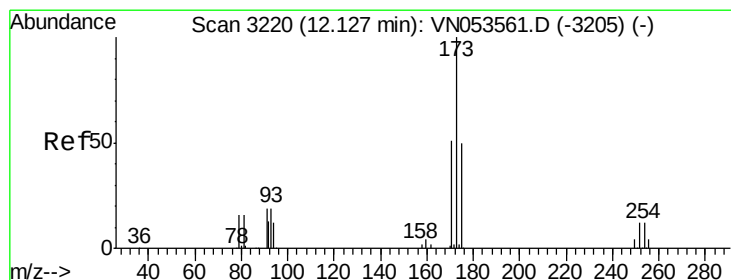
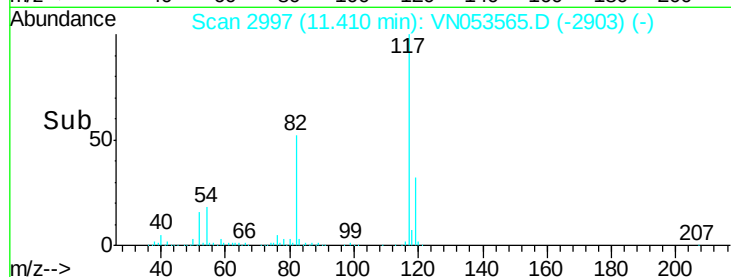
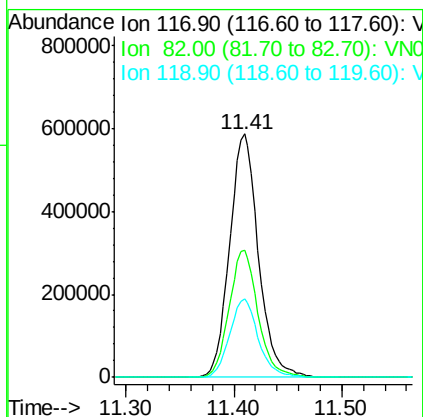
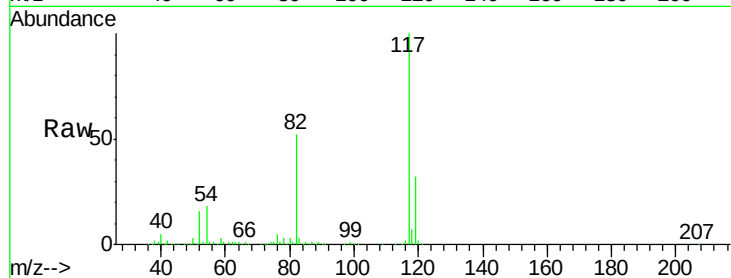




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053565.D
Acq: 30 Jan 2019 12:18

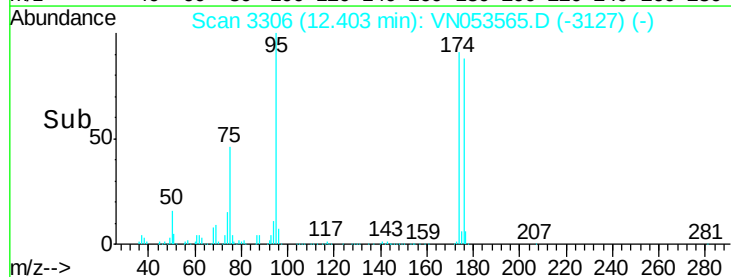
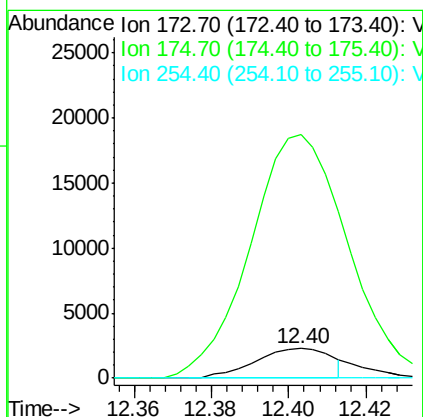
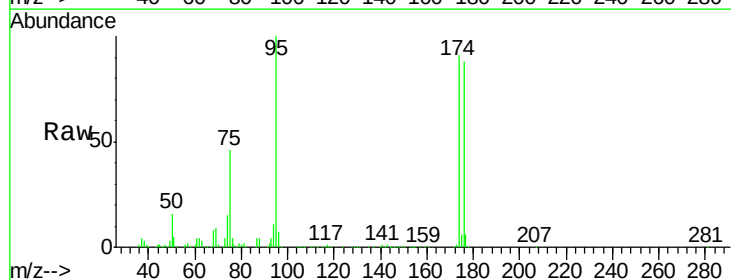
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

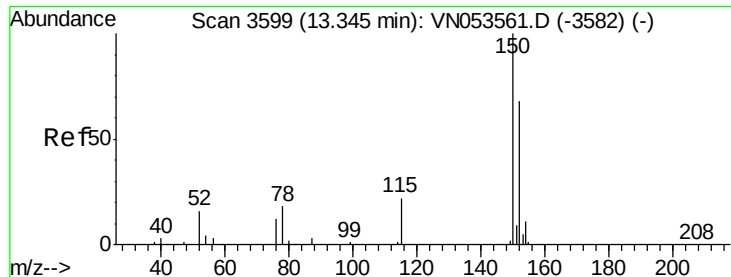
Tot Ion:117 Resp: 1093163
Ion Ratio Lower Upper
117 100
82 52.3 42.9 64.3
119 32.0 26.0 39.0



#71
Bromoform
Concen: 0.562 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053565.D
Acq: 30 Jan 2019 12:18

Tgt Ion:173 Resp: 3126
Ion Ratio Lower Upper
173 100
175 879.0 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBL01

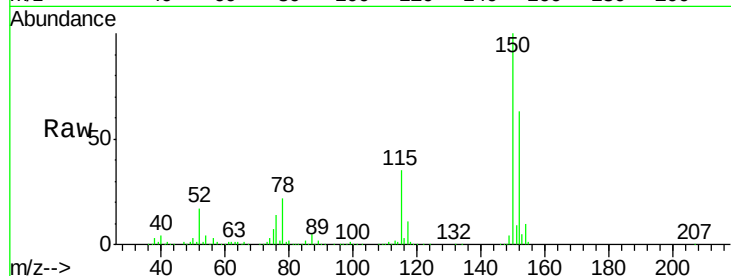
Tot Ion:152 Resp: 470719

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.4

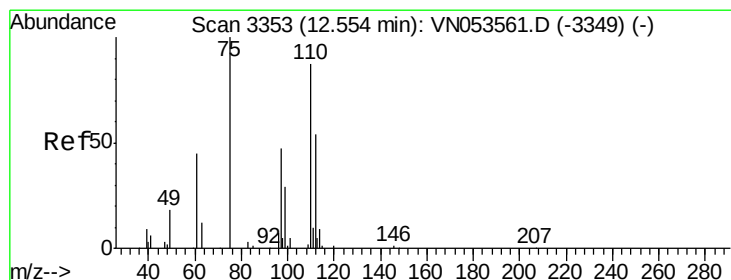
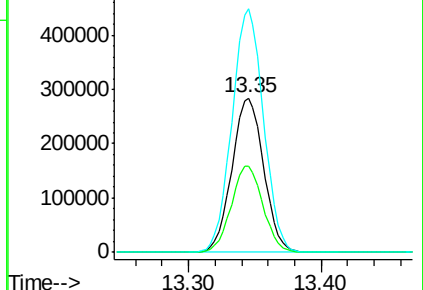
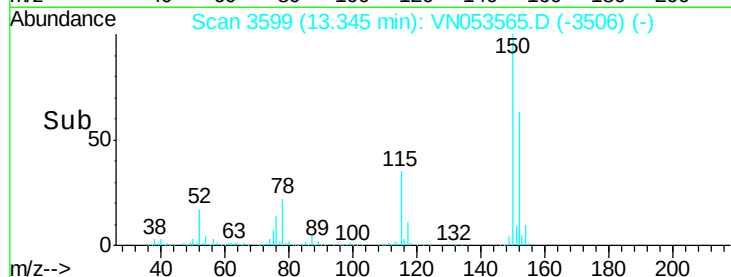
150 157.0 0.0 349.0



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: 37.544 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053565.D

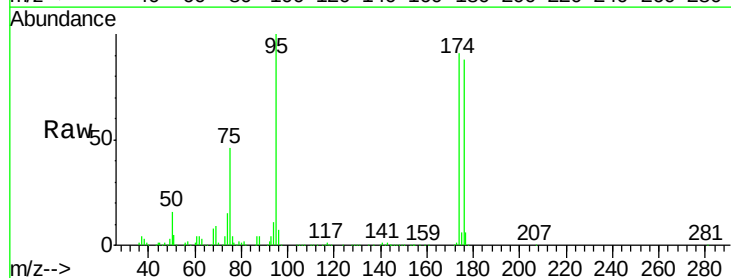
Acq: 30 Jan 2019 12:18

Tgt Ion: 75 Resp: 226995

Ion Ratio Lower Upper

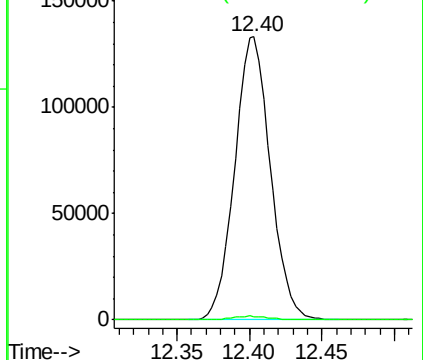
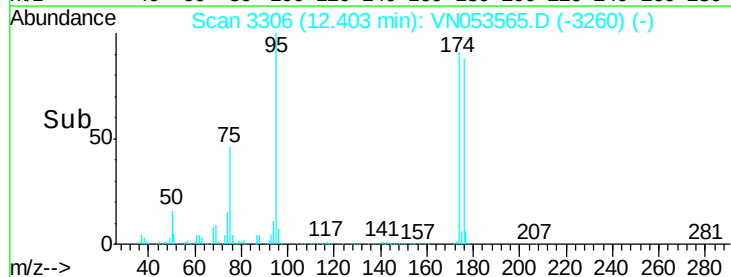
75 100

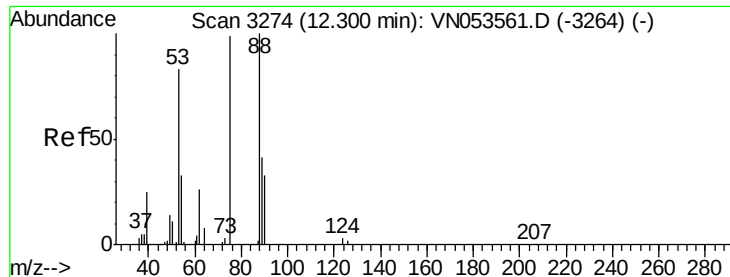
77 1.3 0.0 0.0#



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: 105.571 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBL01

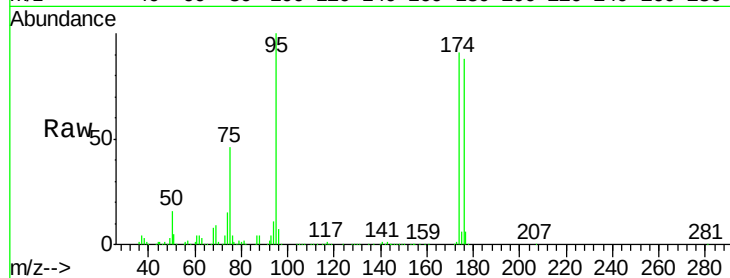
Tot Ion: 75 Resp: 226995

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

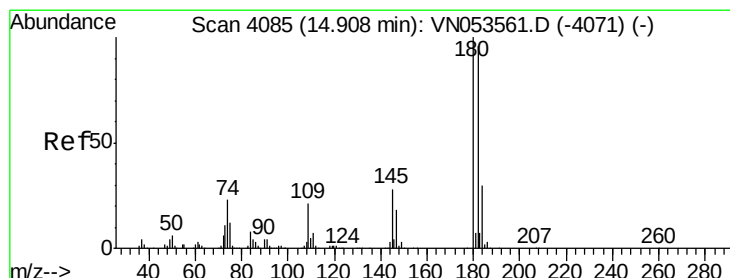
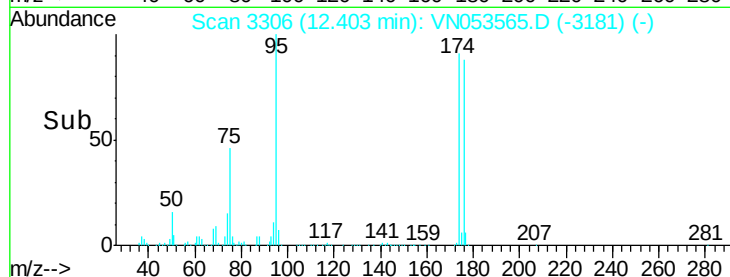
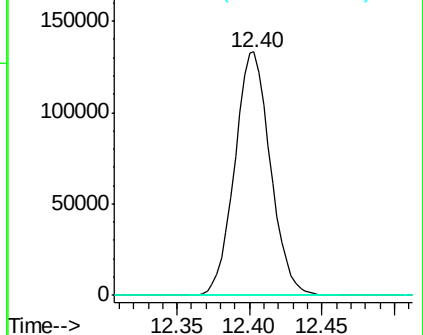
89 0.0 35.6 53.4#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.565 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

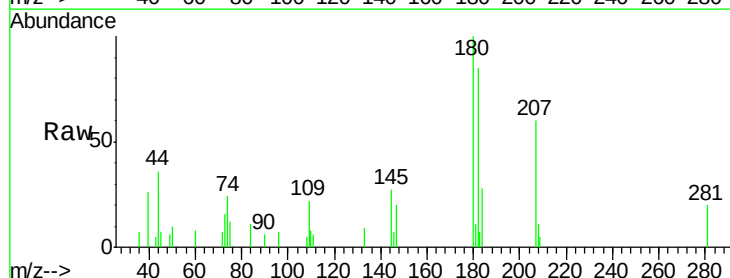
Tgt Ion: 180 Resp: 4973

Ion Ratio Lower Upper

180 100

182 91.7 48.1 144.3

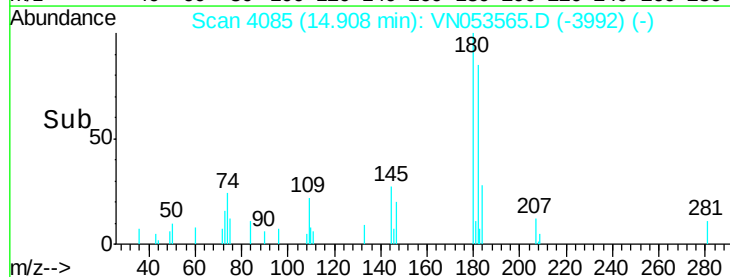
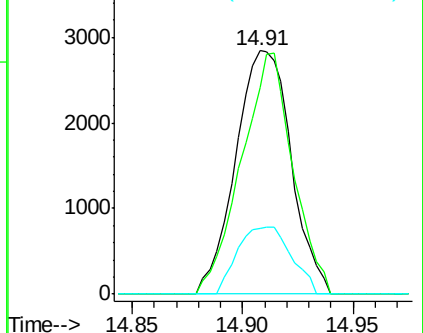
145 26.6 13.9 41.6

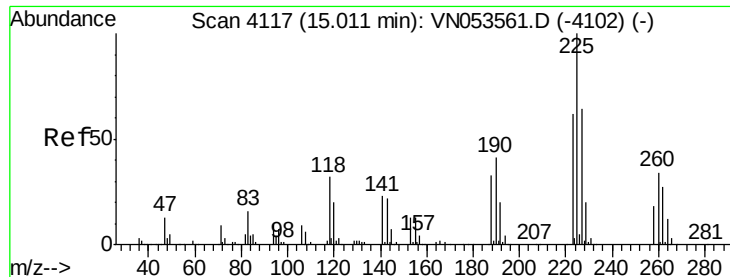


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.262 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0130WBL01

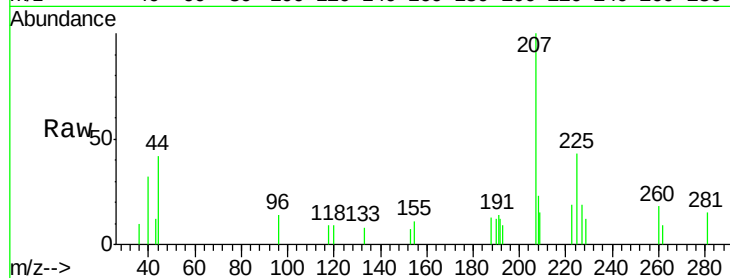
Tot Ion:225 Resp: 1434

Ion Ratio Lower Upper

225 100

223 40.3 31.1 93.2

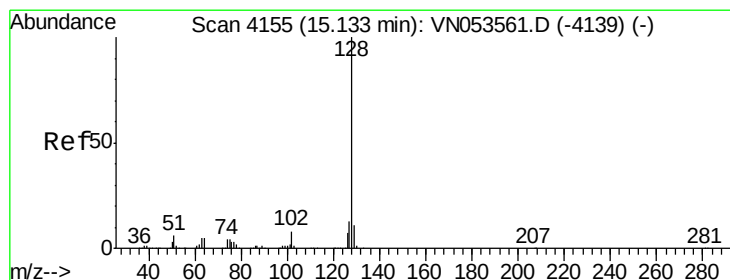
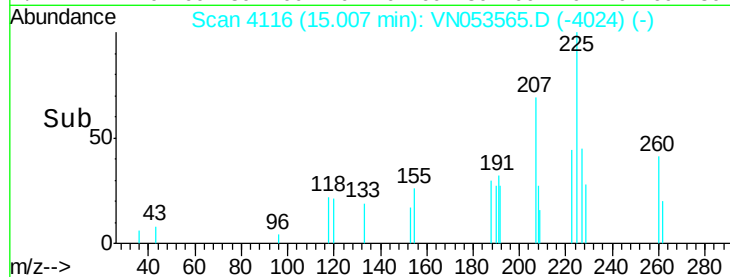
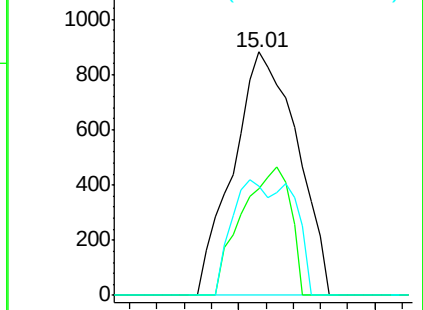
227 27.2 32.0 96.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.321 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

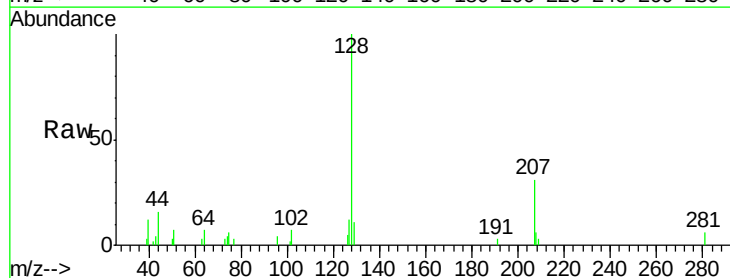
Tgt Ion:128 Resp: 12532

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

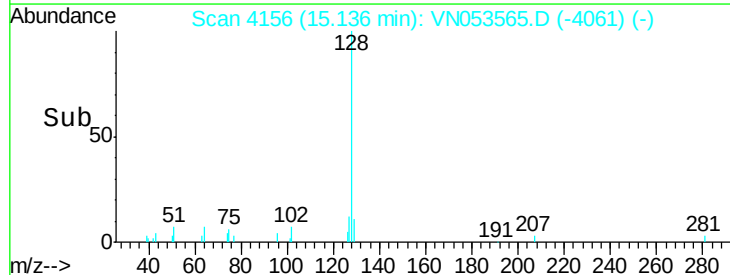
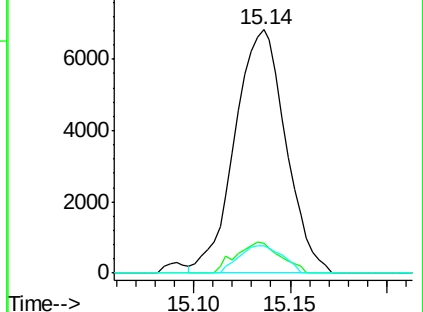
129 9.5 8.6 13.0

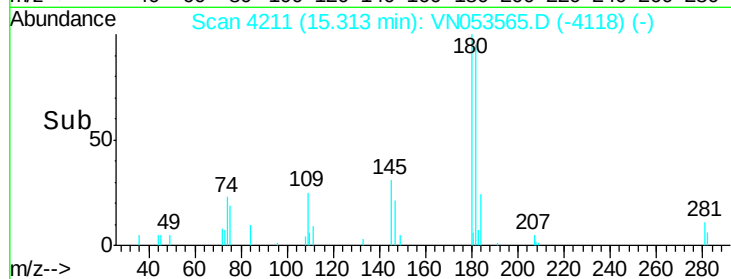
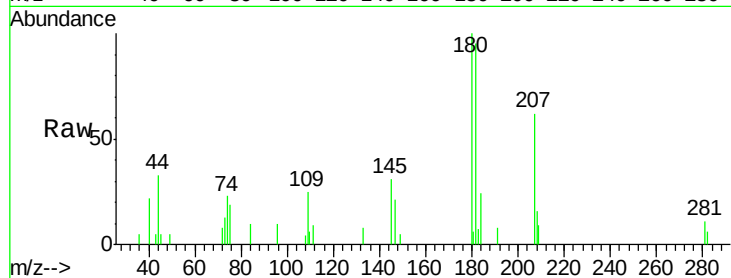
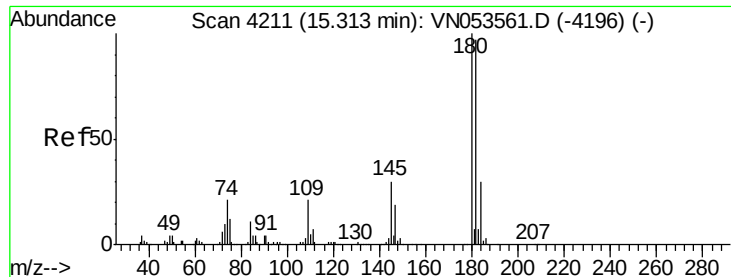


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.789 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053565.D

Acq: 30 Jan 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBL01

Tot Ion:180 Resp: 6445

Ion Ratio Lower Upper

180 100

182 97.5 47.9 143.8

145 28.9 14.7 44.1

