

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053587.D
 Acq On : 4 Feb 2019 10:56
 Operator : JC/SP
 Sample : VN0204WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBL01

Quant Time: Feb 05 01:23:59 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	7.66	168	676250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1112053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	973344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	371400	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	356128	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
35) Dibromofluoromethane	7.59	113	358951	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	10.09	98	1320817	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	409096	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

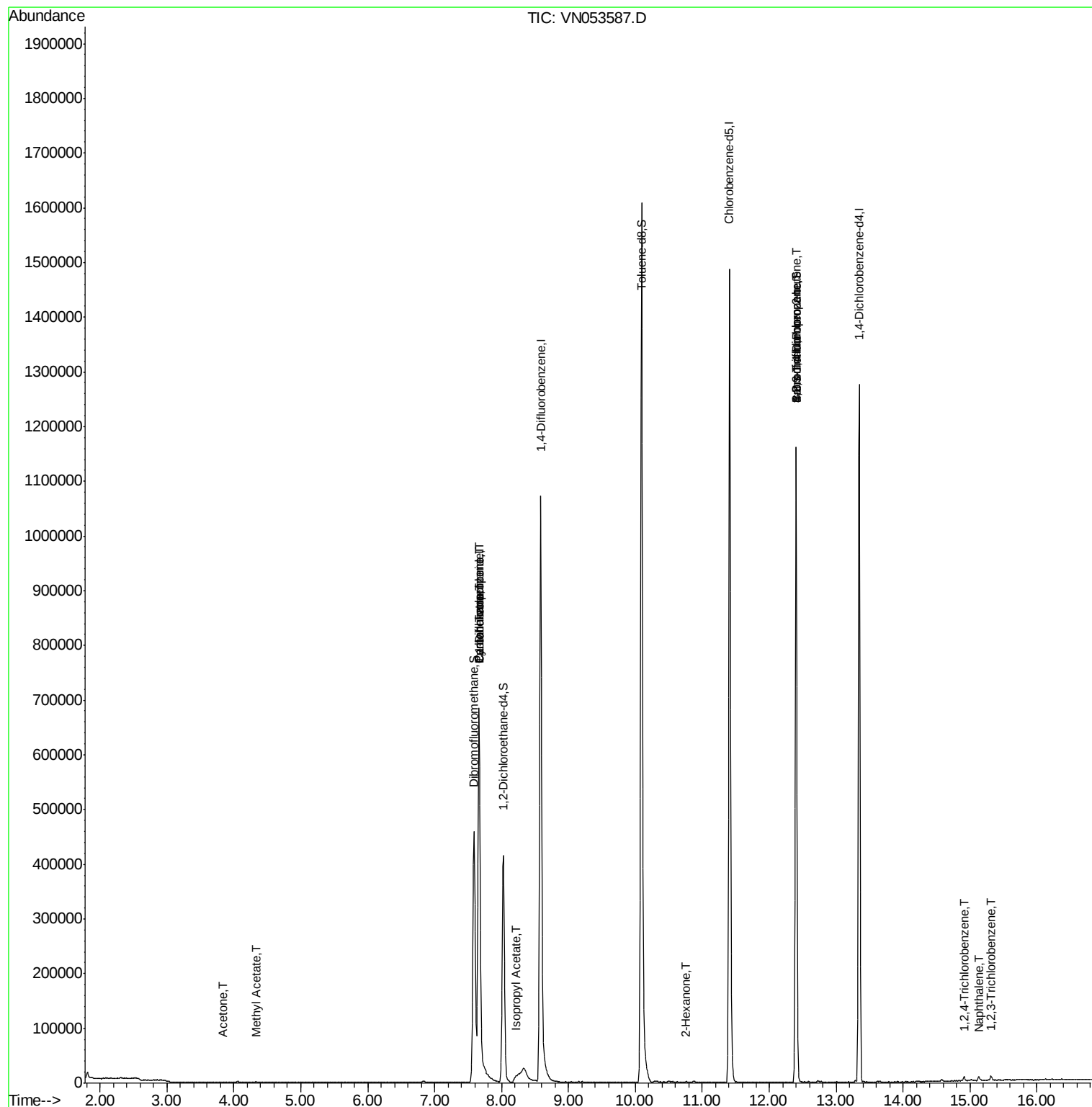
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.84	43	1526	0.877	ug/l	97
18) Methyl Acetate	4.33	43	1579	0.306	ug/l #	70
31) Cyclohexane	7.66	56	9661	0.675	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	42213	4.211	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56772	5.622	ug/l #	16
43) Isopropyl Acetate	8.22	43	11714	1.083	ug/l #	51
59) 2-Hexanone	10.76	43	1765	0.489	ug/l	66
71) Bromoform	12.40	173	2678	0.541	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	189818	39.791	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	189818	111.888	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	3375	0.486	ug/l	88
95) Naphthalene	15.13	128	6963	2.148	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	4235	0.657	ug/l	91

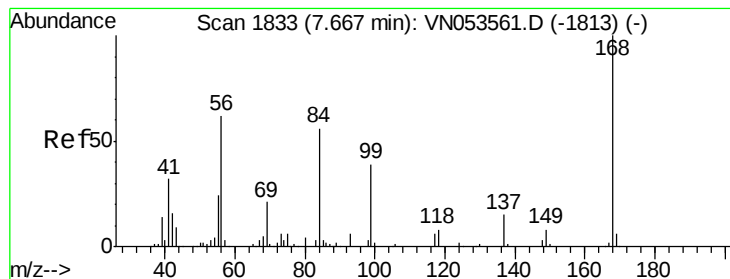
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053587.D

Acq: 4 Feb 2019 10:56

Instrument :

MSVOA_N

ClientSampleId :

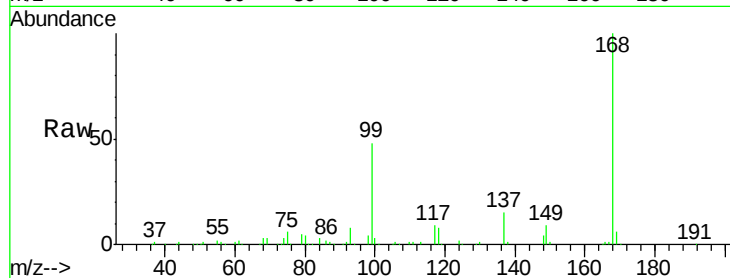
VN0204WBL01

Tot Ion:168 Resp: 676250

Ion Ratio Lower Upper

168 100

99 47.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

250000

200000

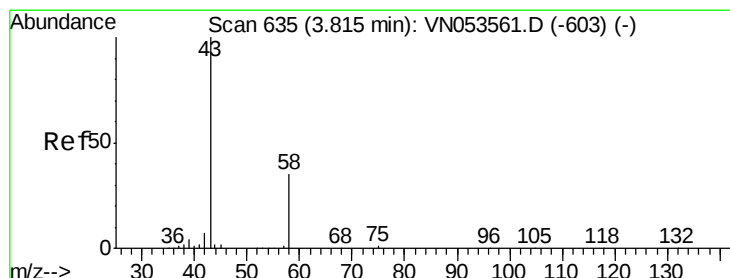
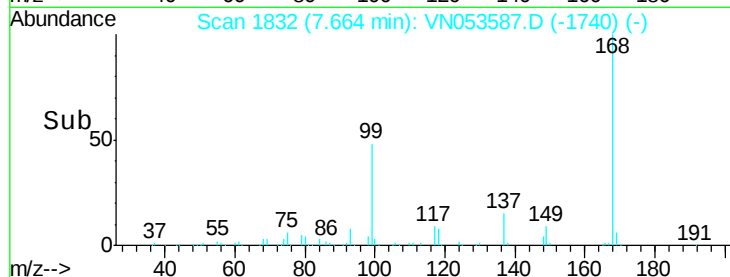
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.877 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN053587.D

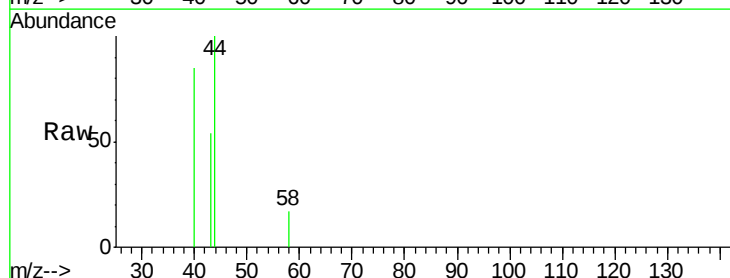
Acq: 4 Feb 2019 10:56

Tgt Ion: 43 Resp: 1526

Ion Ratio Lower Upper

43 100

58 32.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.84

500

400

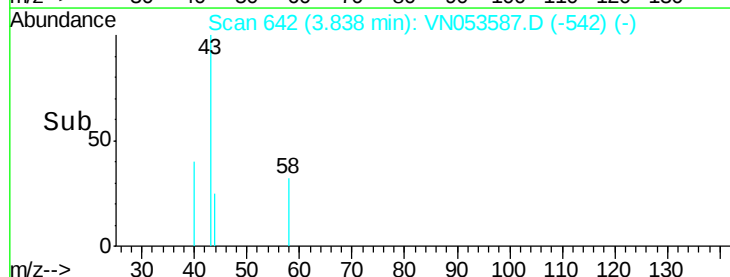
300

200

100

0

Time-->

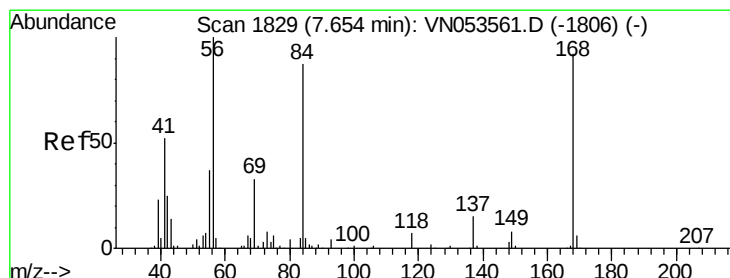
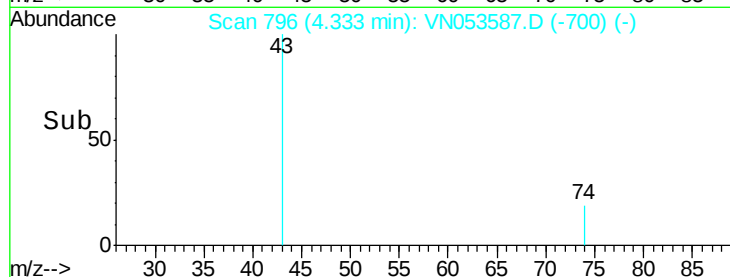
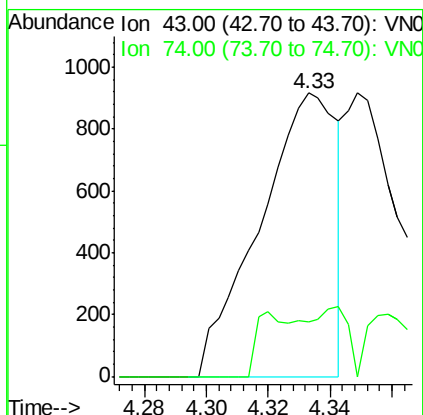
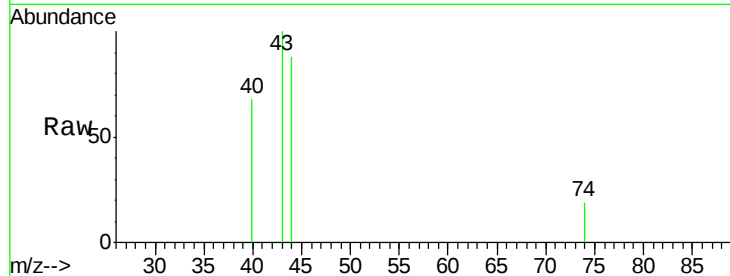




#18
Methyl Acetate
Concen: 0.306 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053587.D
Acq: 4 Feb 2019 10:56

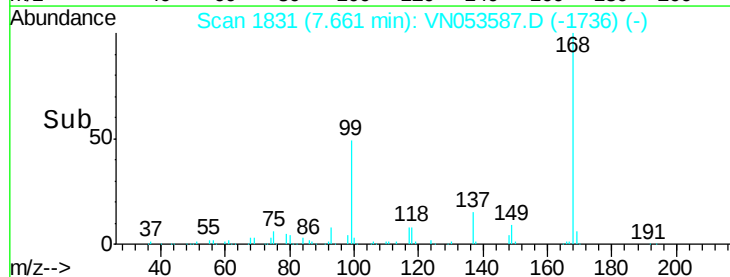
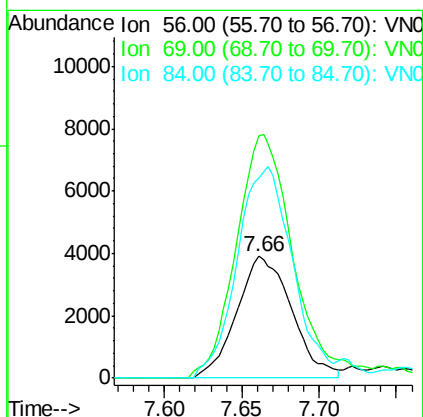
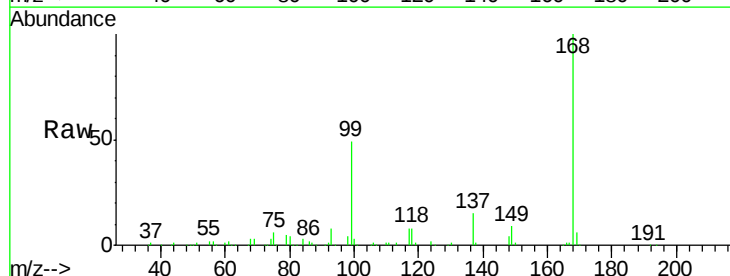
Instrument :
MSVOA_N
ClientSampled :
VN0204WBL01

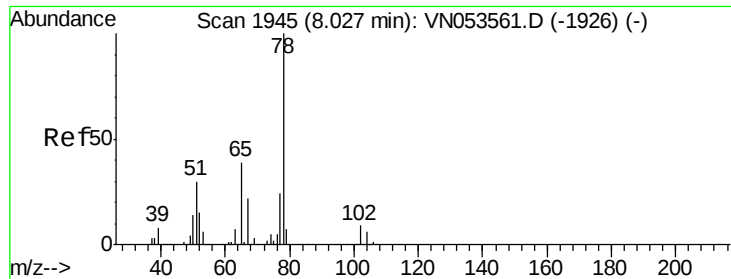
Tot Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
74 9.2 19.4 29.2#



#31
Cyclohexane
Concen: 0.675 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN053587.D
Acq: 4 Feb 2019 10:56

Tgt Ion: 56 Resp: 9661
Ion Ratio Lower Upper
56 100
69 199.2 26.4 39.6#
84 164.7 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: VN053587.D

Acq: 4 Feb 2019 10:56

Instrument :

MSVOA_N

ClientSampleId :

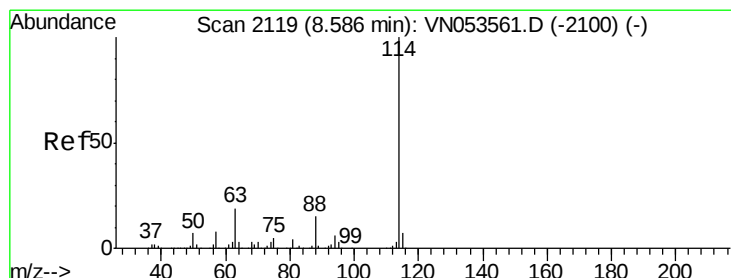
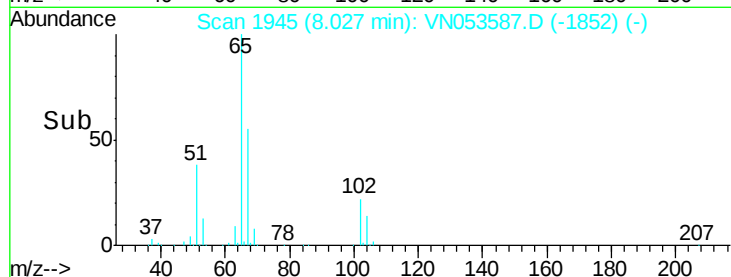
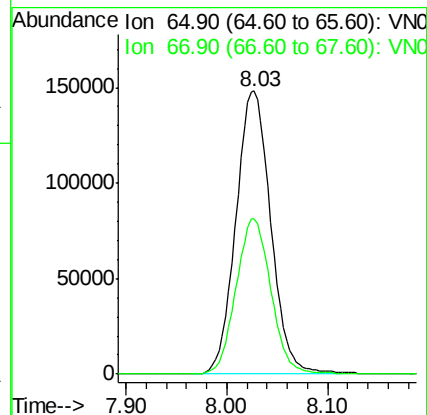
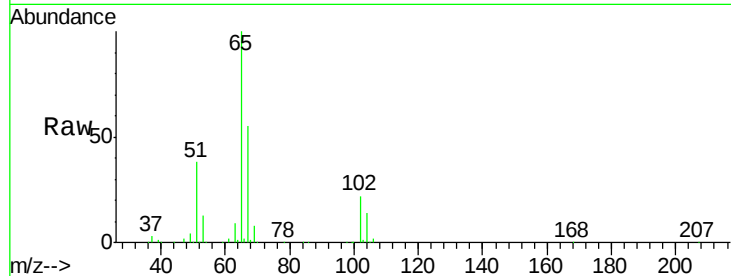
VN0204WBL01

Tot Ion: 65 Resp: 356128

Ion Ratio Lower Upper

65 100

67 55.0 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053587.D

Acq: 4 Feb 2019 10:56

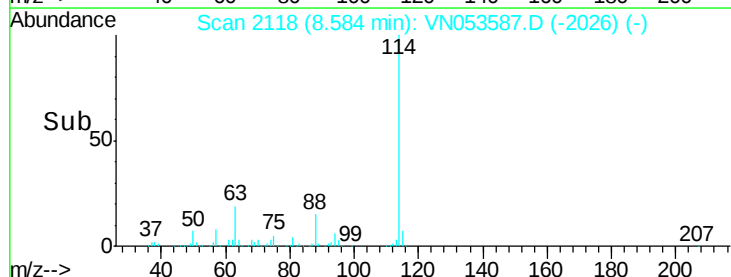
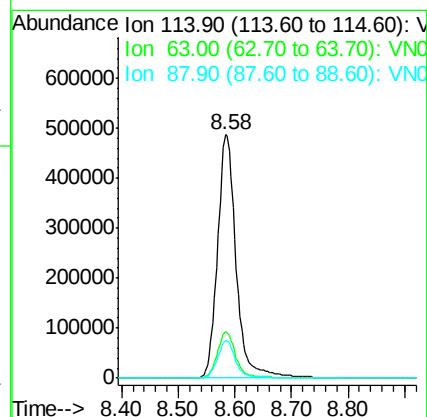
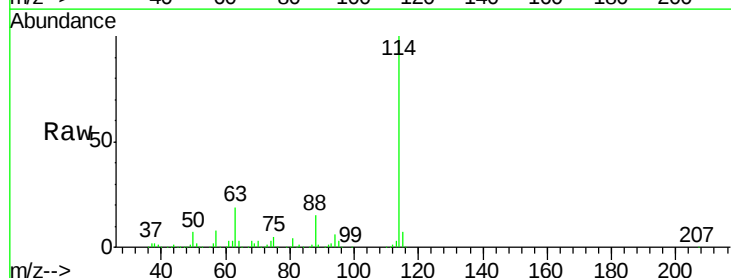
Tgt Ion: 114 Resp: 1112053

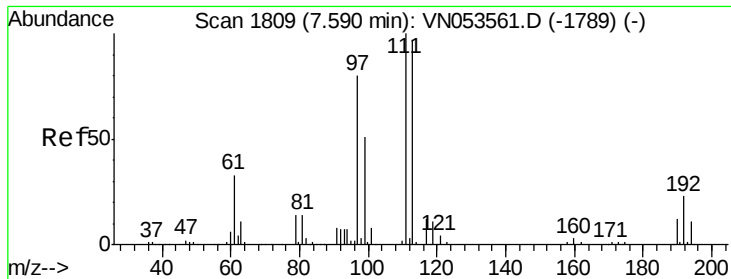
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 15.3 0.0 30.4

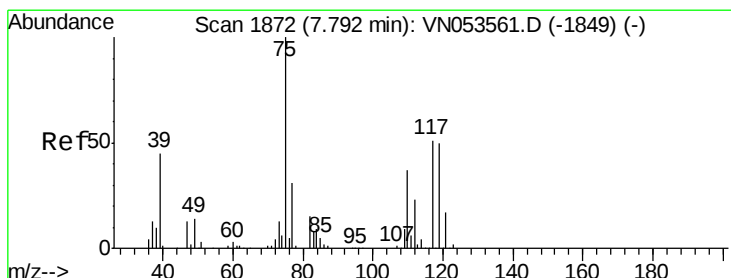
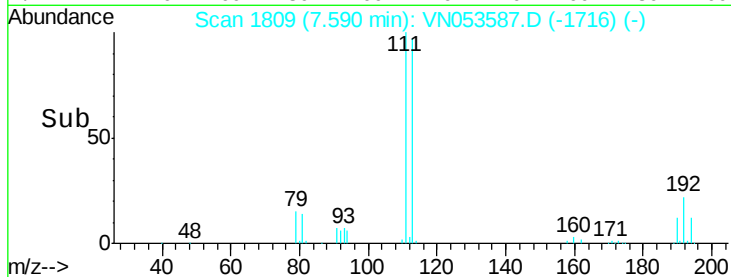
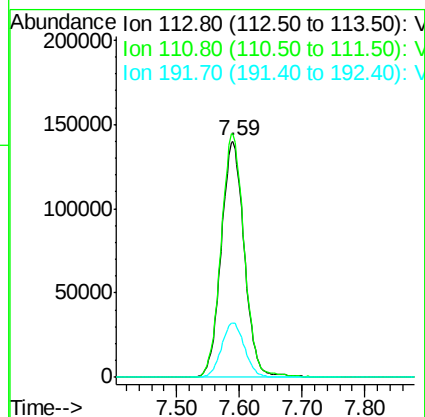
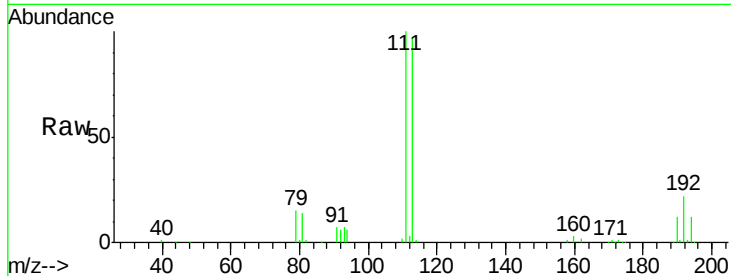




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053587.D
 Acq: 4 Feb 2019 10:56

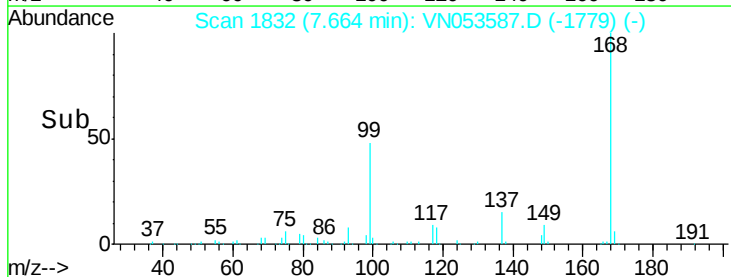
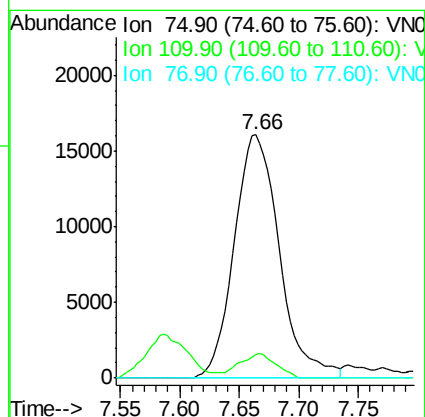
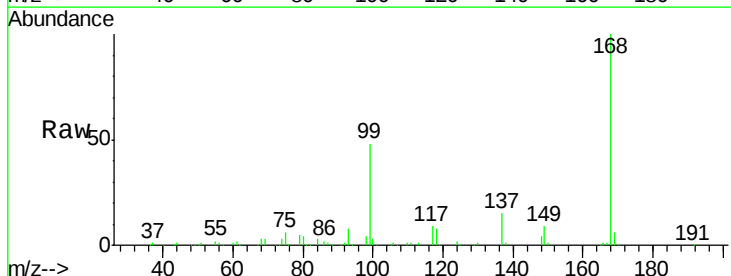
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBL01

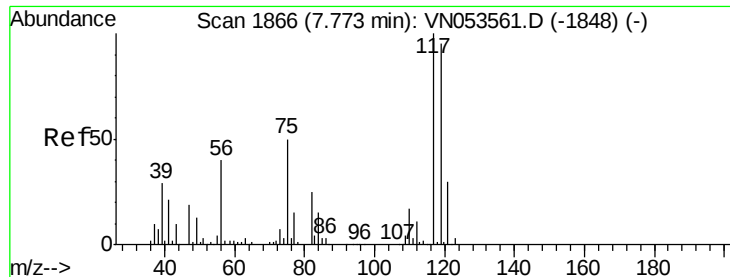
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	23.0	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 4.211 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053587.D
 Acq: 4 Feb 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.3#
77	0.0	25.1	37.7#

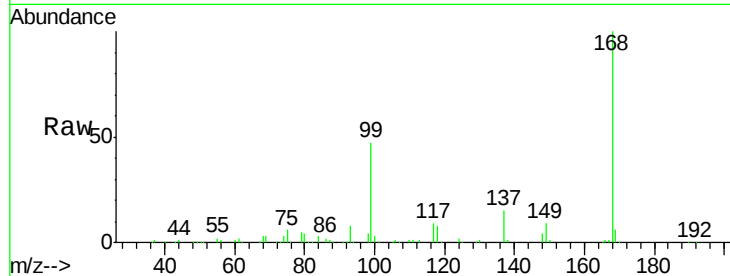




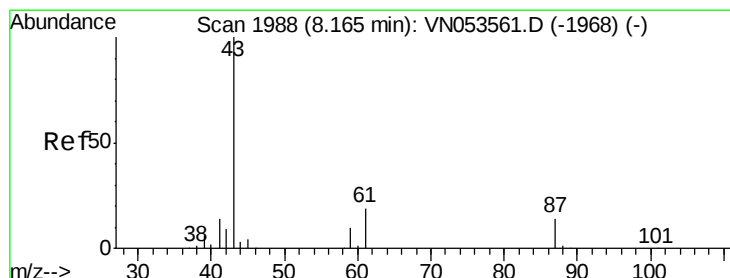
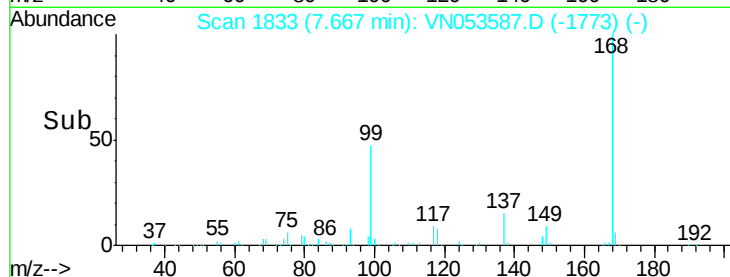
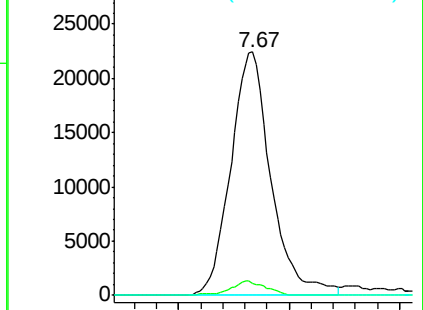
#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053587.D
Acq: 4 Feb 2019 10:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBL01

Tot Ion:117 Resp: 56772
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 24.6 37.0#

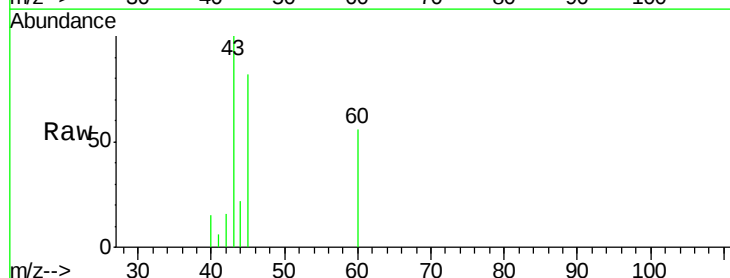


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

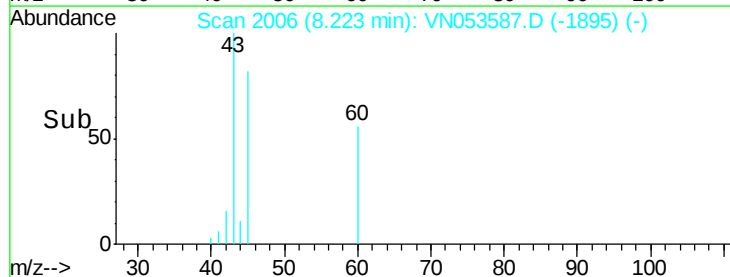
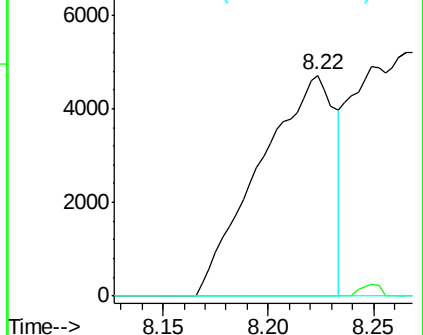


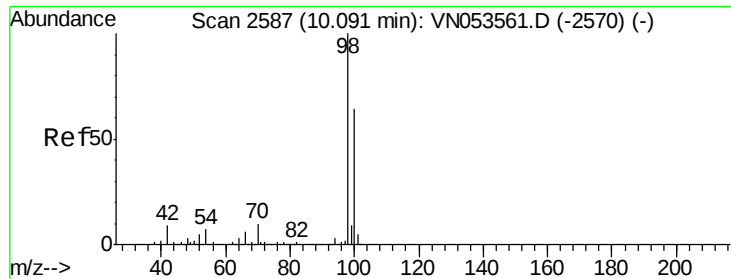
#43
Isopropyl Acetate
Concen: 1.083 ug/l
RT: 8.22 min Scan# 2006
Delta R.T. 0.06 min
Lab File: VN053587.D
Acq: 4 Feb 2019 10:56

Tgt Ion: 43 Resp: 11714
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

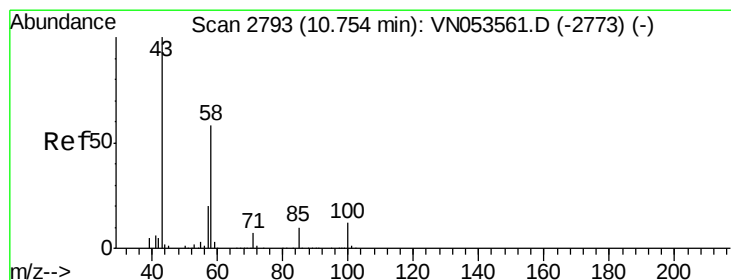
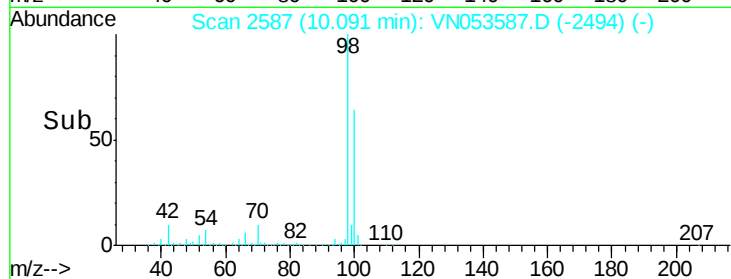
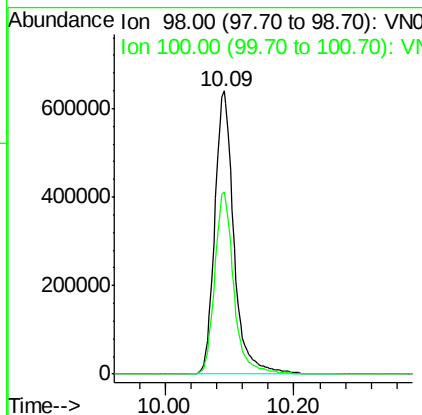
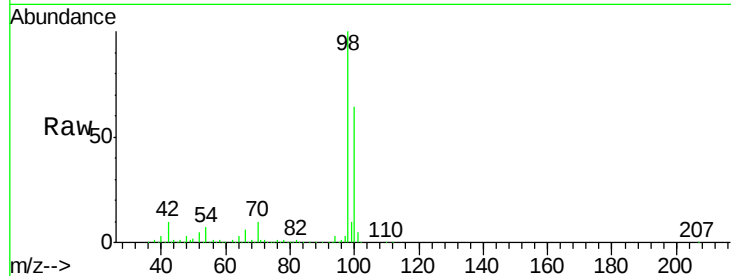




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053587.D
Acq: 4 Feb 2019 10:56

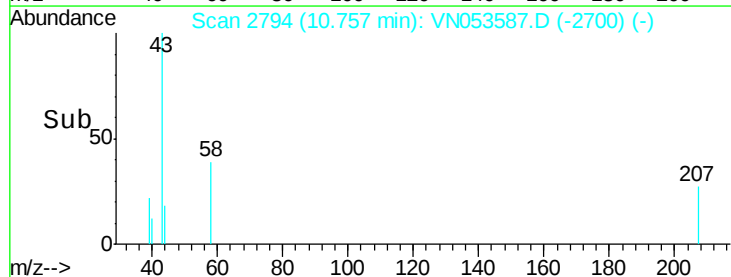
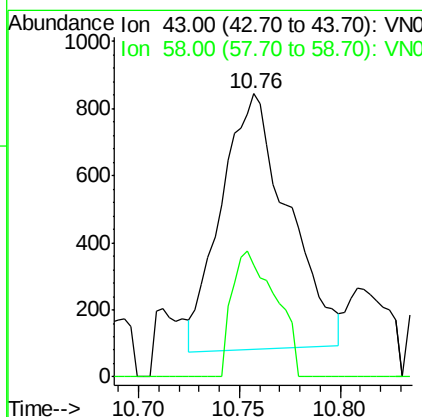
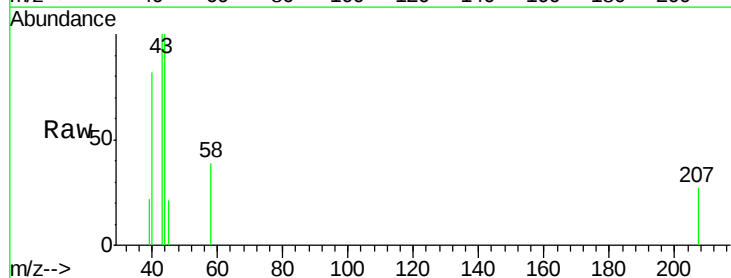
Instrument :
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VN0204WBL01

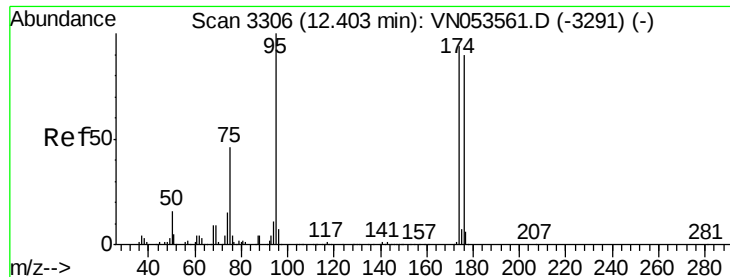
Tot Ion: 98 Resp: 1320817
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#59
2-Hexanone
Concen: 0.489 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN053587.D
Acq: 4 Feb 2019 10:56

Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
58 32.5 28.6 85.8





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053587.D

Acq: 4 Feb 2019 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBL01

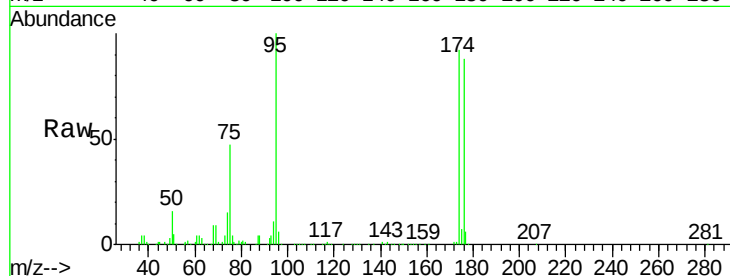
Tot Ion: 95 Resp: 409096

Ion Ratio Lower Upper

95 100

174 93.8 0.0 183.2

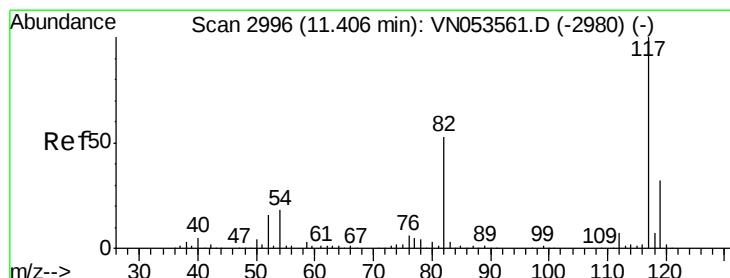
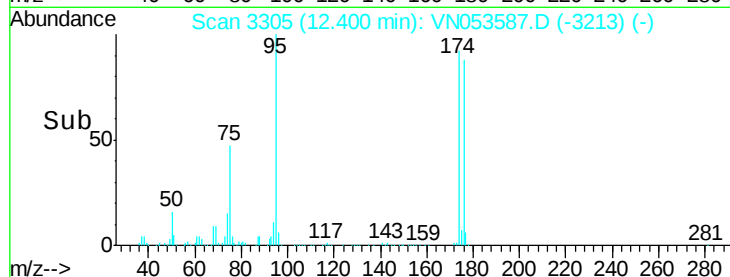
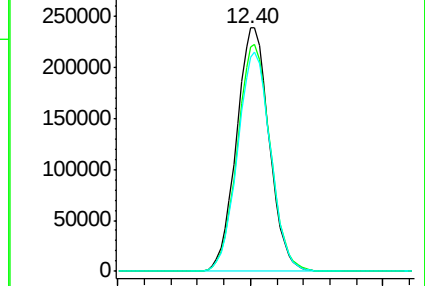
176 90.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053587.D

Acq: 4 Feb 2019 10:56

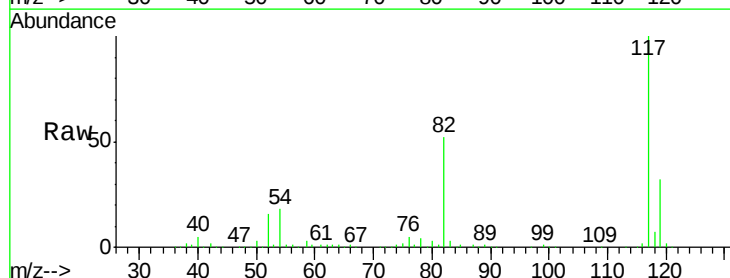
Tgt Ion: 117 Resp: 973344

Ion Ratio Lower Upper

117 100

82 52.0 42.9 64.3

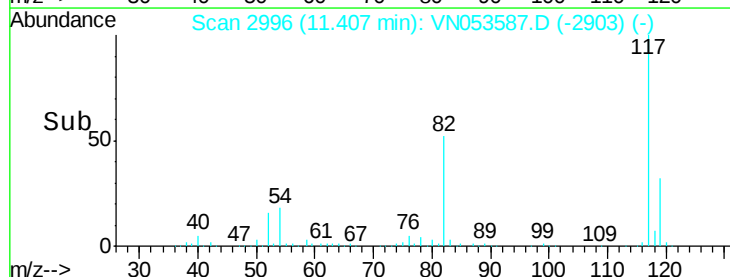
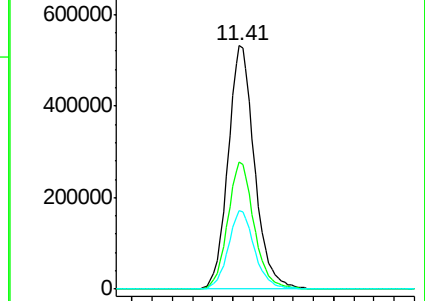
119 32.2 26.0 39.0

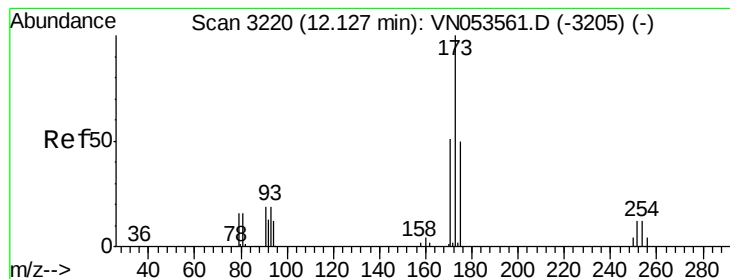


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)





#71

Bromoform

Concen: 0.541 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053587.D

Acq: 4 Feb 2019 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBL01

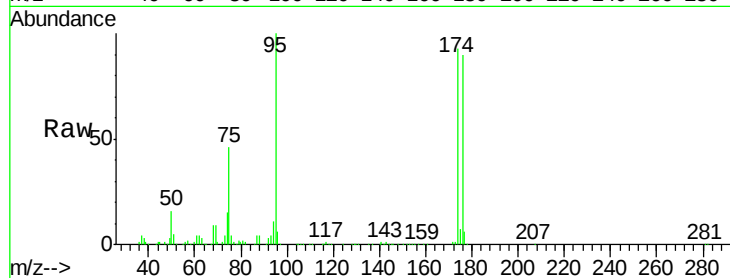
Tot Ion:173 Resp: 2678

Ion Ratio Lower Upper

173 100

175 903.4 24.6 74.0#

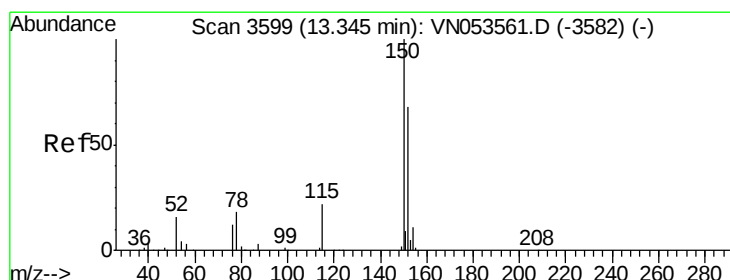
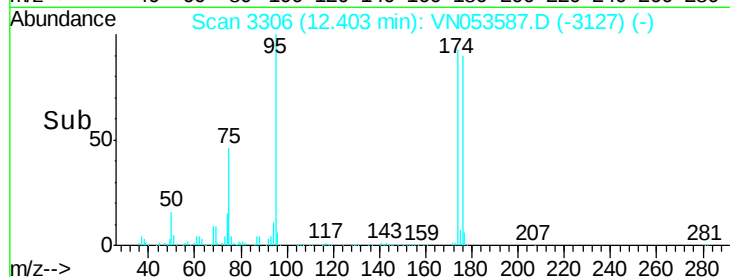
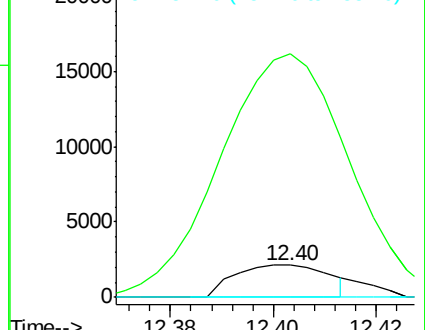
254 0.0 0.2 0.2#



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: VN053587.D

Acq: 4 Feb 2019 10:56

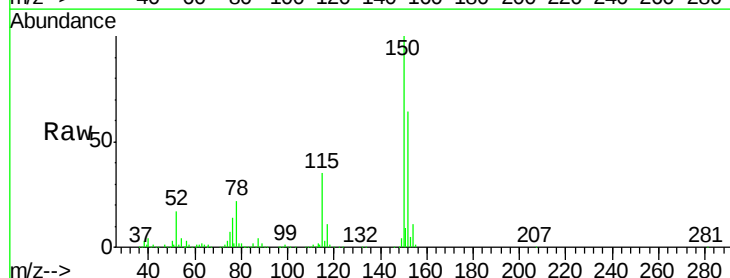
Tgt Ion:152 Resp: 371400

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.4

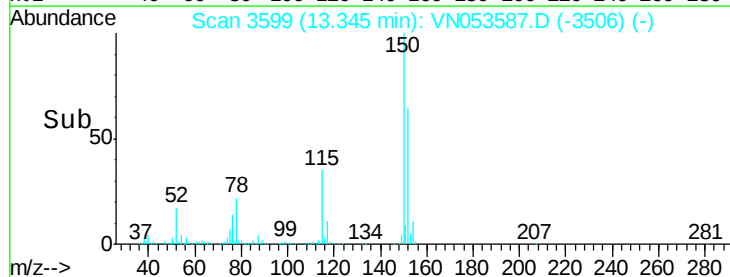
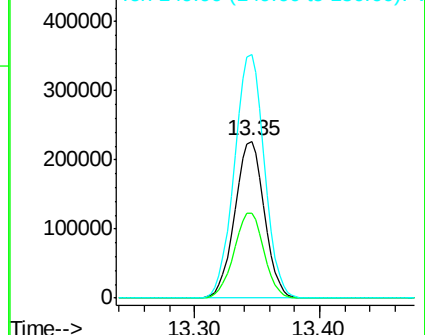
150 157.5 0.0 349.0

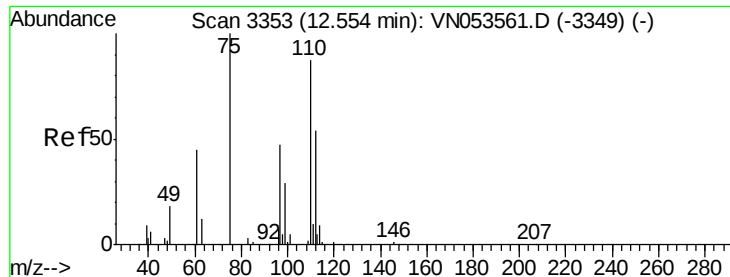


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.791 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053587.D

Acq: 4 Feb 2019 10:56

Instrument :

MSVOA_N

ClientSampleId :

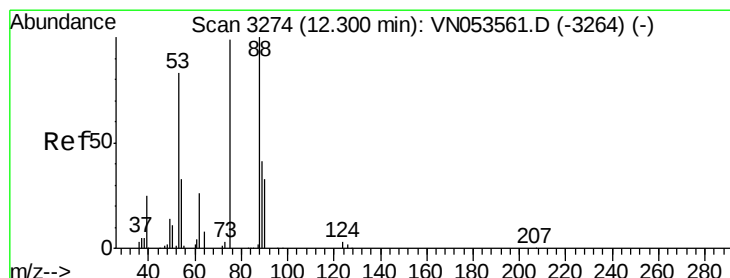
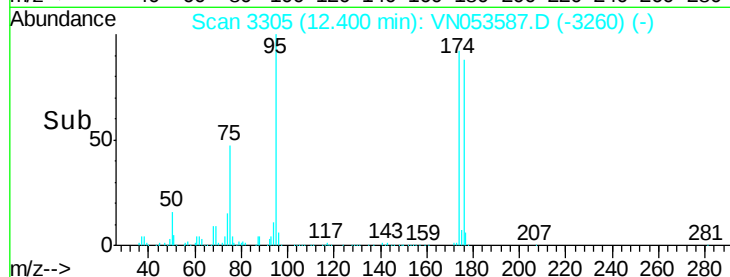
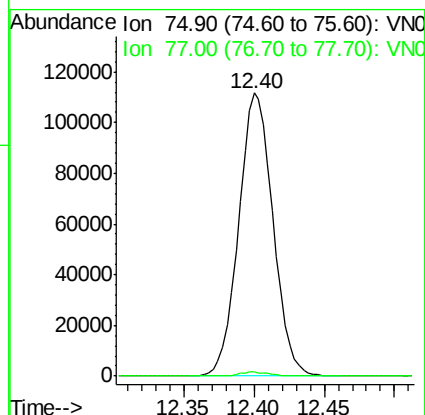
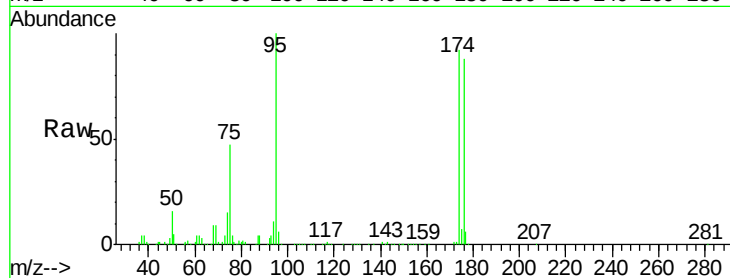
VN0204WBL01

Tot Ion: 75 Resp: 189818

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.888 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053587.D

Acq: 4 Feb 2019 10:56

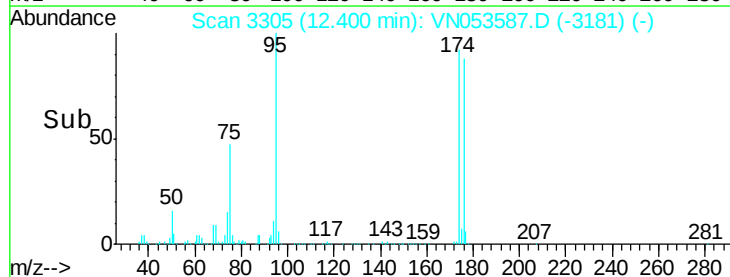
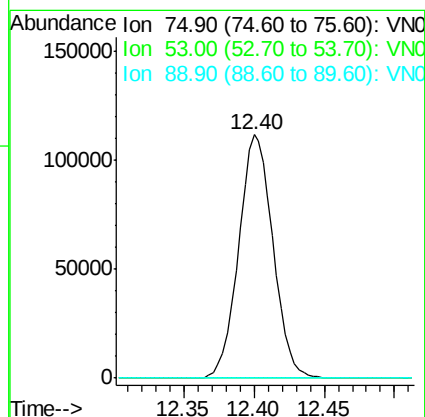
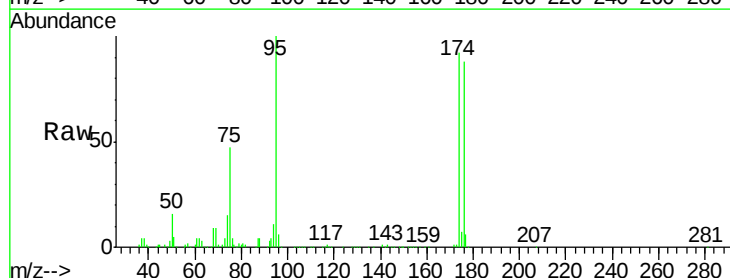
Tgt Ion: 75 Resp: 189818

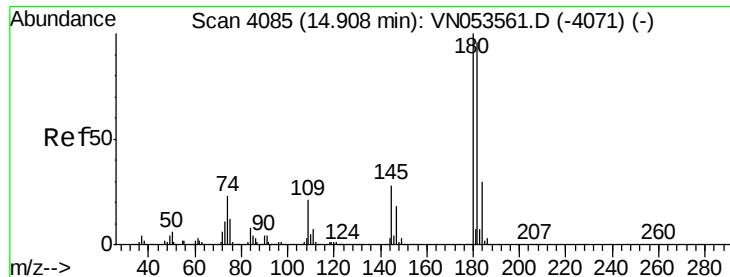
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

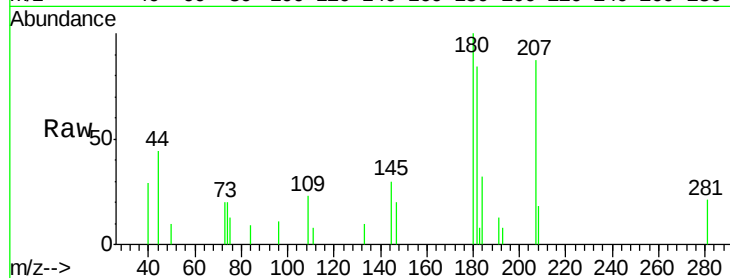




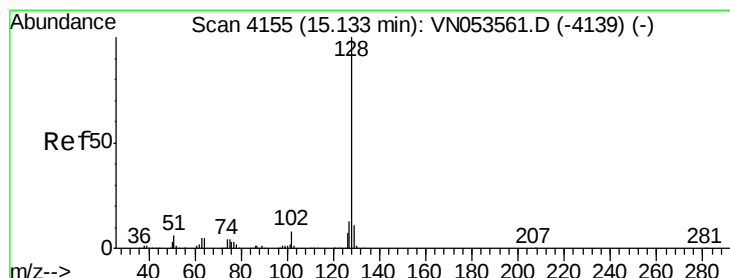
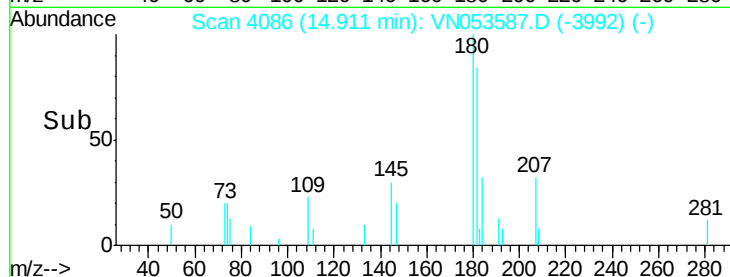
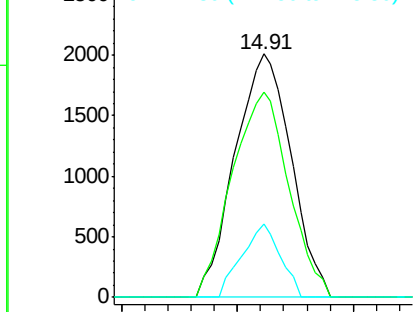
#93
 1,2,4-Trichlorobenzene
 Concen: 0.486 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053587.D
 Acq: 4 Feb 2019 10:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBL01

Tot Ion:180 Resp: 3375
 Ion Ratio Lower Upper
 180 100
 182 85.1 48.1 144.3
 145 20.7 13.9 41.6

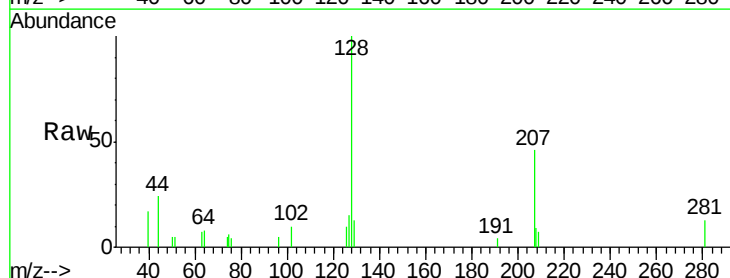


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

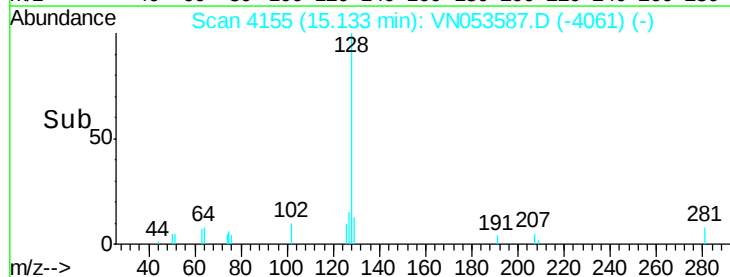
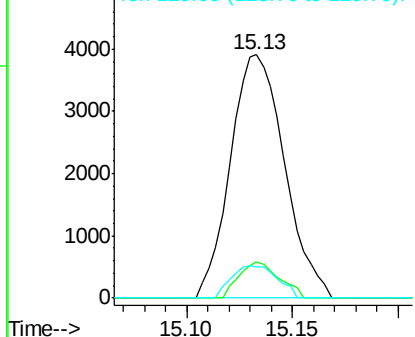


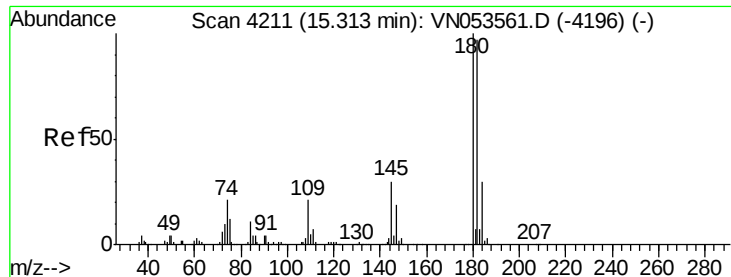
#95
 Naphthalene
 Concen: 2.148 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053587.D
 Acq: 4 Feb 2019 10:56

Tgt Ion:128 Resp: 6963
 Ion Ratio Lower Upper
 128 100
 127 11.1 10.3 15.5
 129 11.2 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

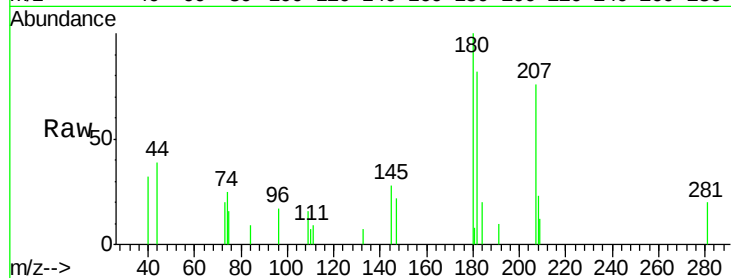




#96
 1,2,3-Trichlorobenzene
 Concen: 0.657 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053587.D
 Acq: 4 Feb 2019 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.5	47.9	143.8
145	26.9	14.7	44.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

