

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041819\
 Data File : VN055119.D
 Acq On : 18 Apr 2019 12:06
 Operator : JC/SP
 Sample : K2461-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 01:28:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	349000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	558266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	449783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121916	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	223799	48.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.48%	
35) Dibromofluoromethane	7.59	113	179811	48.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.38%	
50) Toluene-d8	10.09	98	662702	49.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	174384	40.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.34%	

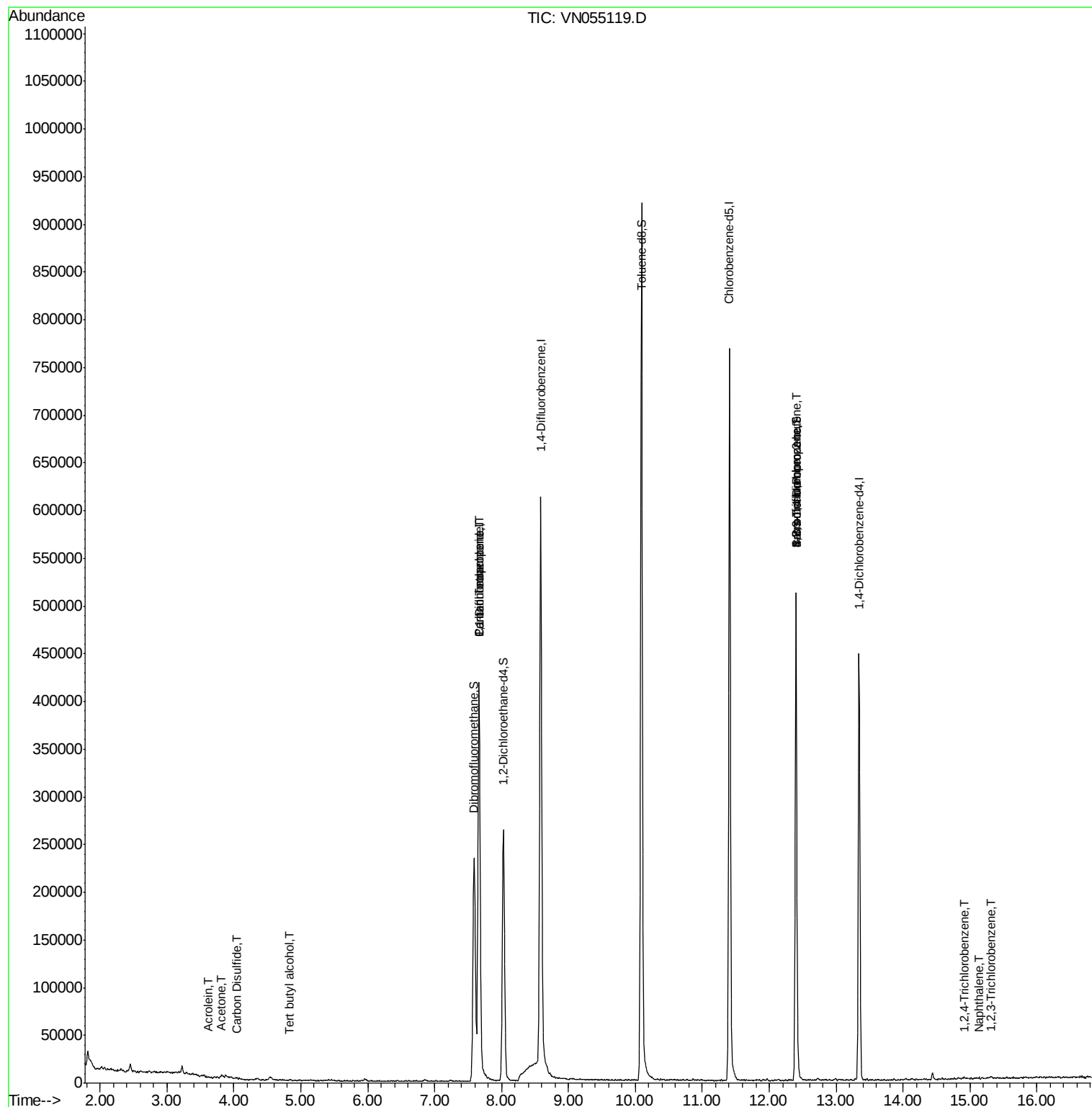
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.83	59	136	0.535	ug/l #	72
13) Acrolein	3.61	56	350	1.114	ug/l #	12
16) Acetone	3.82	43	4792	3.806	ug/l	98
17) Carbon Disulfide	4.03	76	3460	0.387	ug/l #	86
18) Methyl Acetate	4.33	43	1299	Below Cal		92
31) Cyclohexane	7.66	56	7969	Below Cal	#	10
36) 1,1-Dichloropropene	7.66	75	26839	5.100	ug/l #	44
38) Carbon Tetrachloride	7.66	117	32806	6.552	ug/l #	17
71) Bromoform	12.40	173	1950	1.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	91140	41.572	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	91140	166.240	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	512	2.936	ug/l	87
95) Naphthalene	15.13	128	436	3.173	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	469	0.295	ug/l #	50

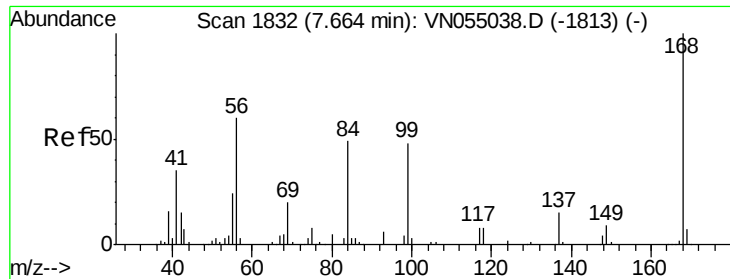
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 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: VN055119.D

Acq: 18 Apr 2019 12:06

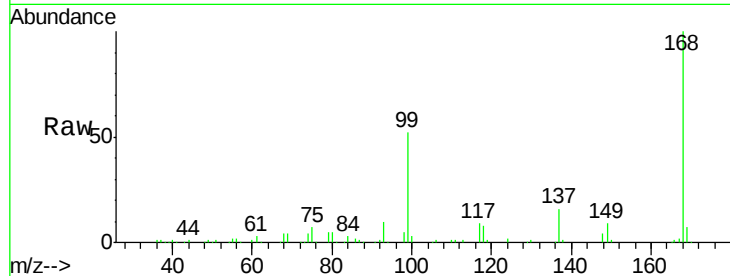
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 349000

Ion Ratio Lower Upper

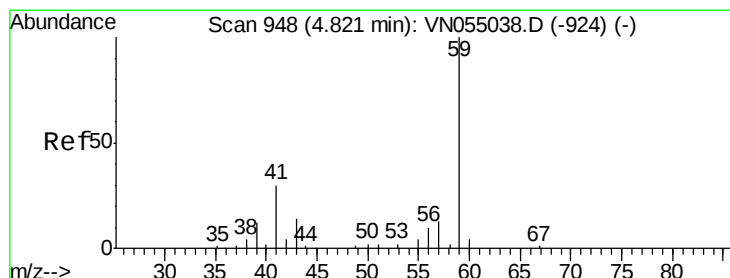
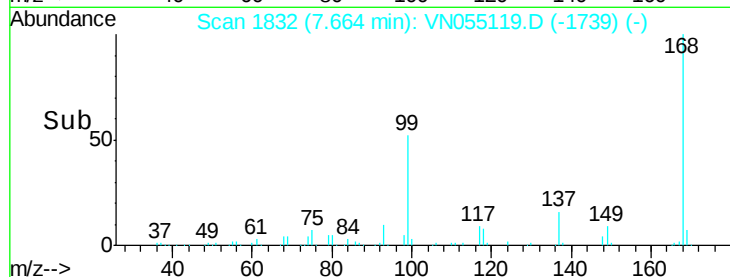
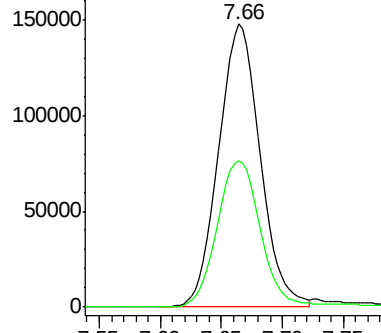
168 100

99 51.5 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.535 ug/l

RT: 4.83 min Scan# 950

Delta R.T. 0.01 min

Lab File: VN055119.D

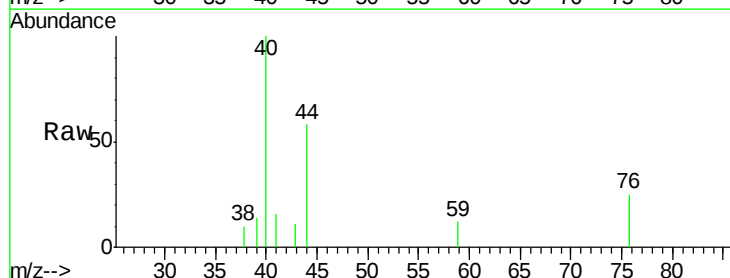
Acq: 18 Apr 2019 12:06

Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

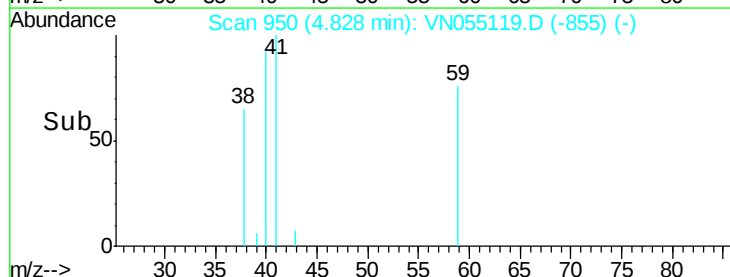
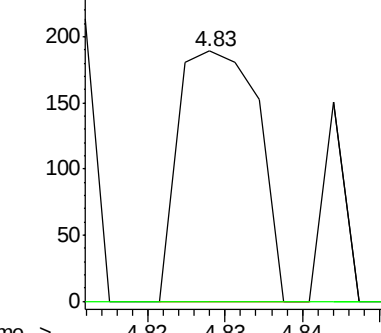
59 100

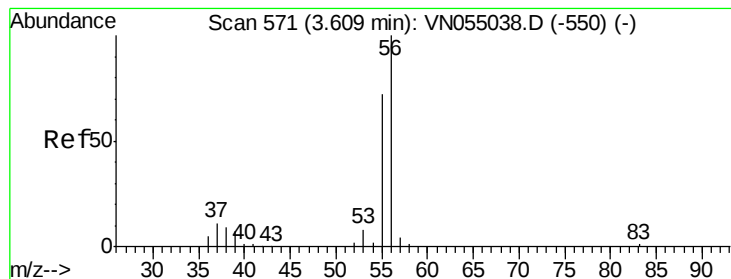
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 1.114 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

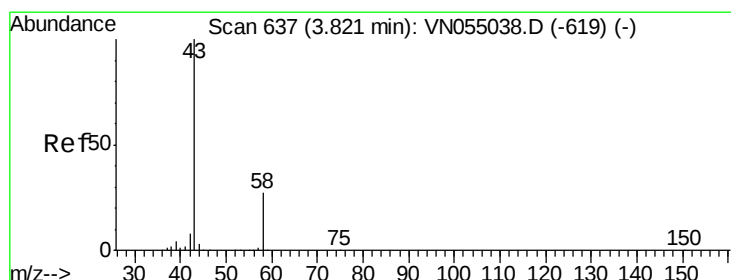
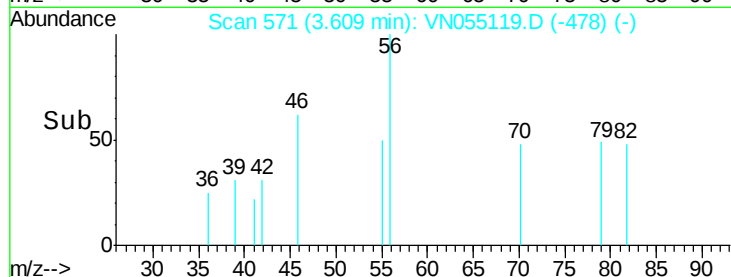
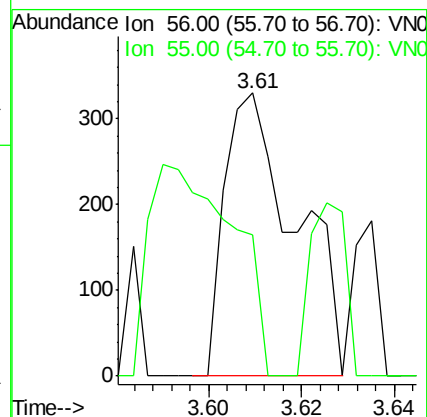
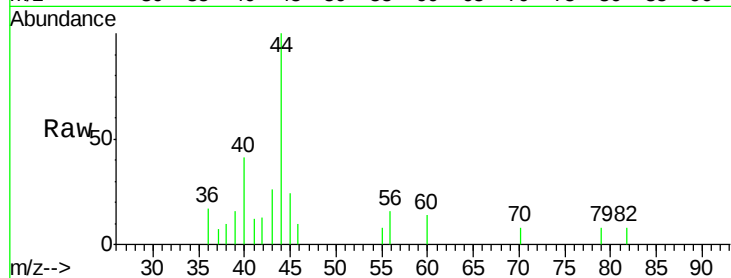
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 350

Ion Ratio Lower Upper

56 100

55 0.0 59.5 89.3#



#16

Acetone

Concen: 3.806 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055119.D

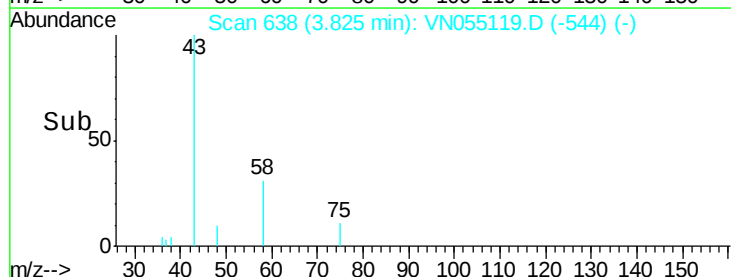
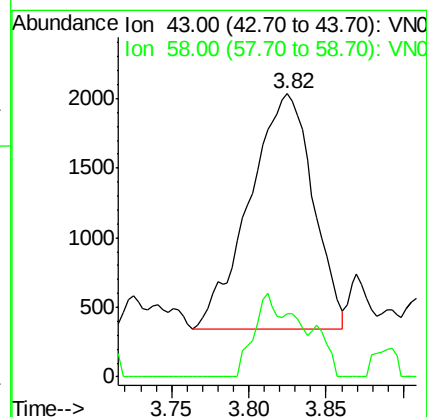
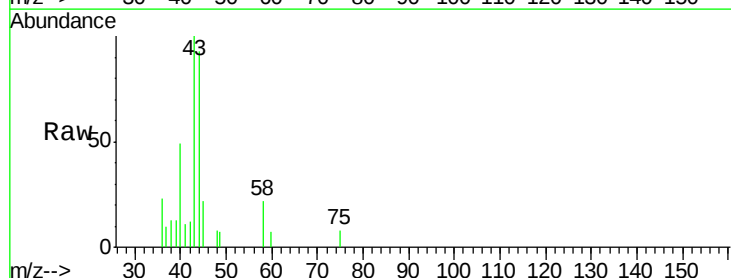
Acq: 18 Apr 2019 12:06

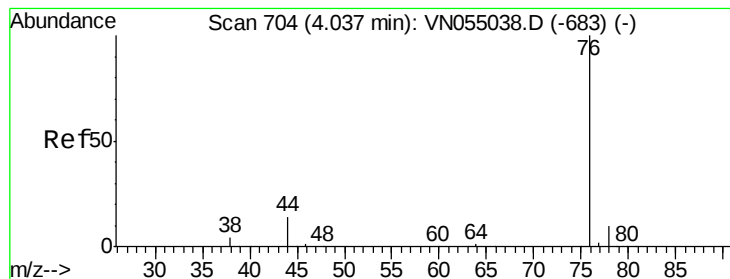
Tgt Ion: 43 Resp: 4792

Ion Ratio Lower Upper

43 100

58 27.0 20.9 31.3





#17

Carbon Disulfide

Concen: 0.387 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

Instrument :

MSVOA_N

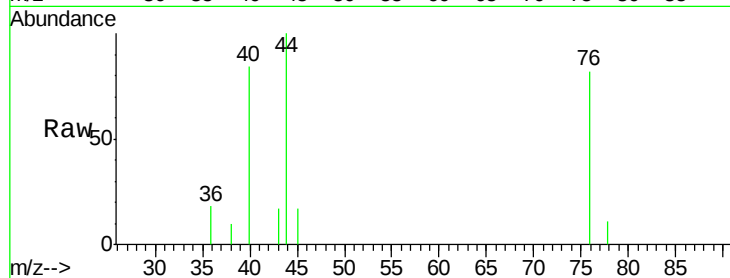
ClientSampled :

Tot Ion: 76 Resp: 3460

Ion Ratio Lower Upper

76 100

78 13.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

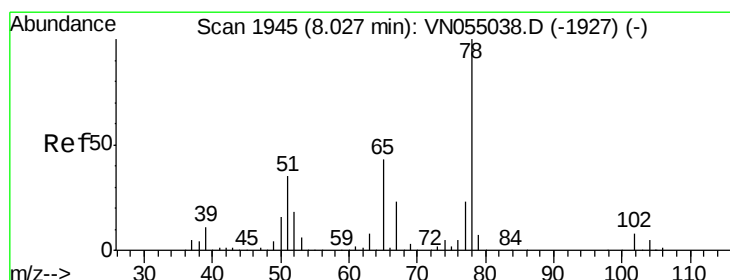
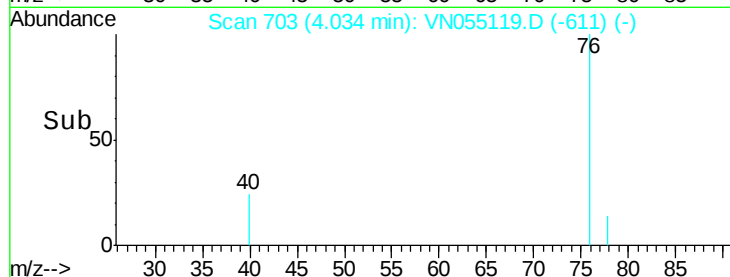
1500

1000

500

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.242 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055119.D

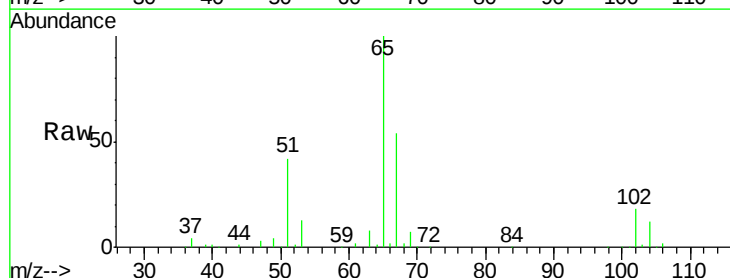
Acq: 18 Apr 2019 12:06

Tgt Ion: 65 Resp: 223799

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

100000

80000

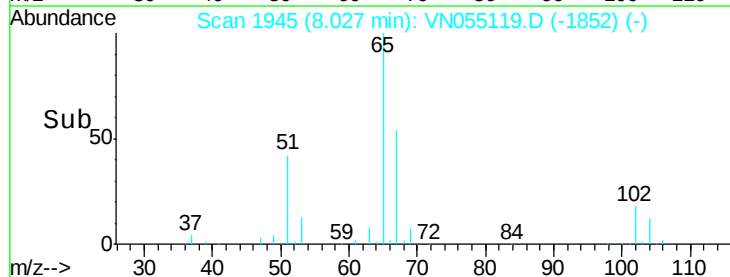
60000

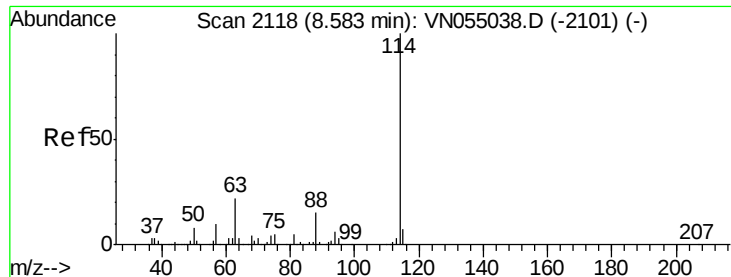
40000

20000

0

Time-->

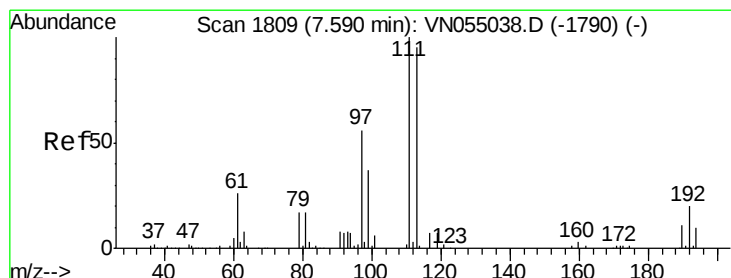
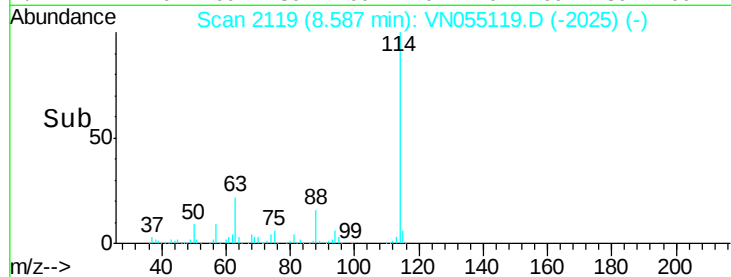
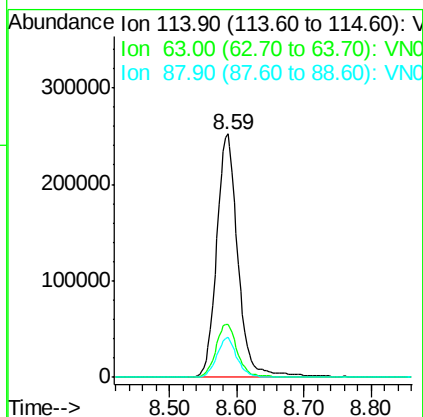
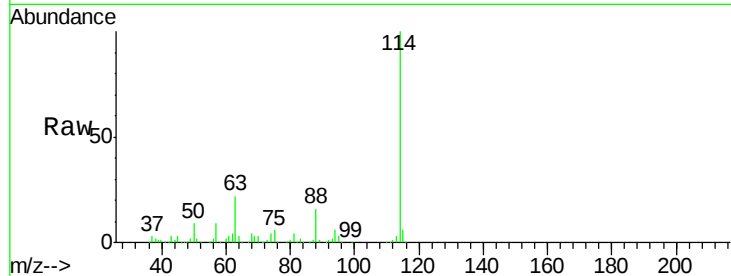




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055119.D
 Acq: 18 Apr 2019 12:06

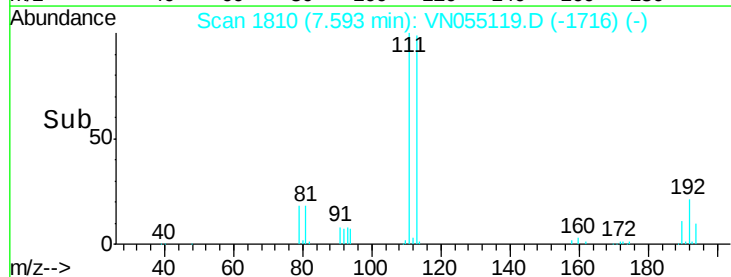
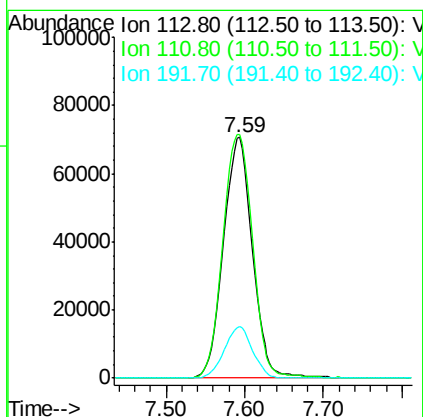
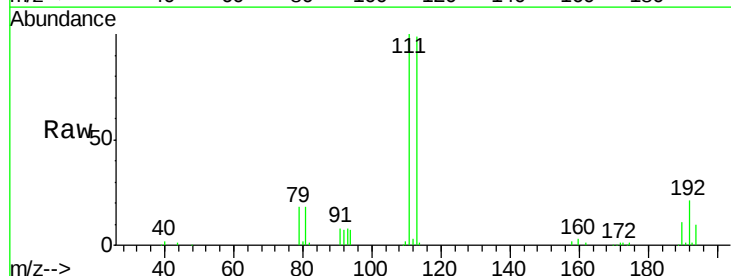
Instrument :
 MSVOA_N
 ClientSampleId :

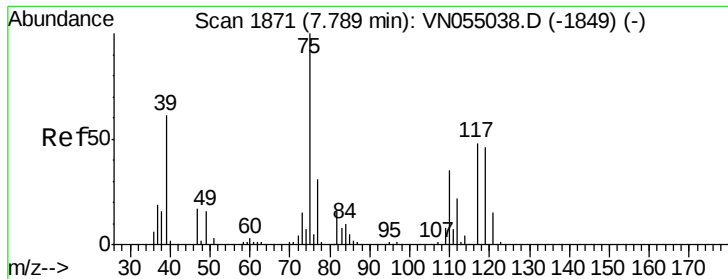
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	45.2
88	16.3	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 48.195 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055119.D
 Acq: 18 Apr 2019 12:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.1	123.1
192	20.9	16.5	24.7





#36

1,1-Dichloropropene

Concen: 5.100 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

Instrument :

MSVOA_N

ClientSampled :

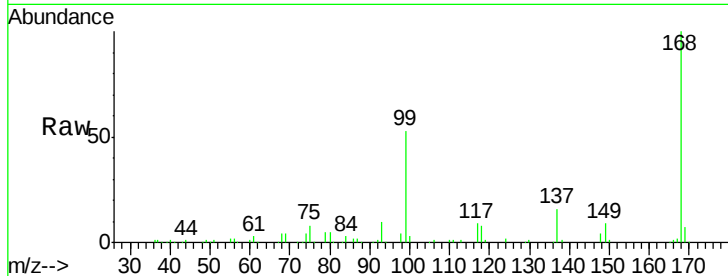
Tot Ion: 75 Resp: 26839

Ion Ratio Lower Upper

75 100

110 2.2 17.5 52.5#

77 0.0 24.9 37.3#

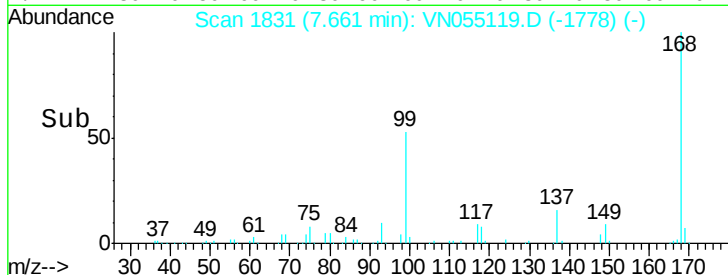


Abundance Ion 74.90 (74.60 to 75.60): VN055038.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN055038.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN055038.D (-1849) (-)

Time-->

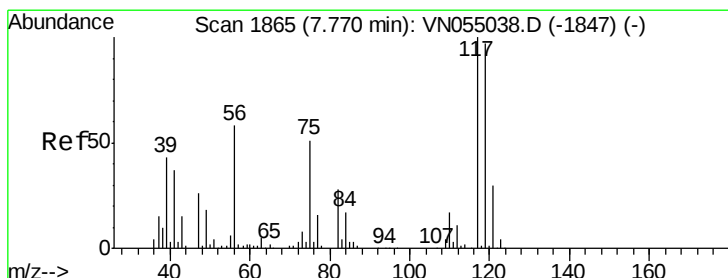


Abundance Ion 74.90 (74.60 to 75.60): VN055119.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN055119.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN055119.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.552 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

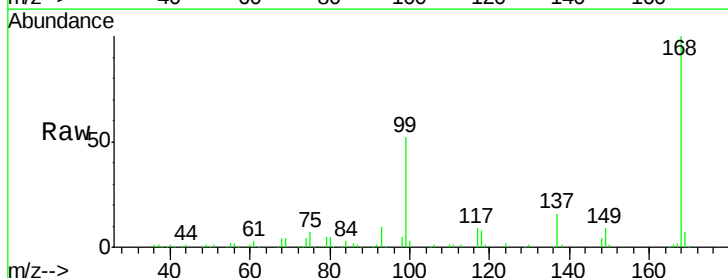
Tgt Ion: 117 Resp: 32806

Ion Ratio Lower Upper

117 100

119 5.9 76.3 114.5#

121 0.0 23.9 35.9#

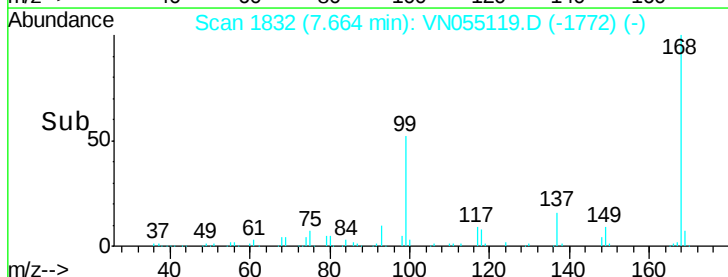


Abundance Ion 116.80 (116.50 to 117.50): VN055038.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055038.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055038.D (-1847) (-)

Time-->

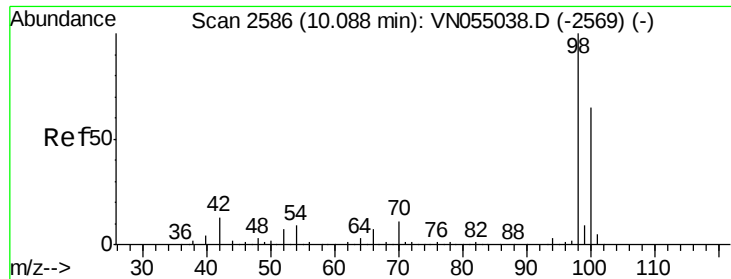


Abundance Ion 116.80 (116.50 to 117.50): VN055119.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN055119.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN055119.D (-1772) (-)

Time-->



#50

Toluene-d8

Concen: 49.628 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

Instrument :

MSVOA_N

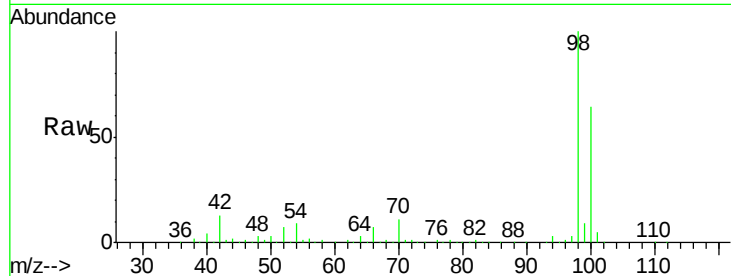
ClientSampled :

Tot Ion: 98 Resp: 662702

Ion Ratio Lower Upper

98 100

100 62.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055038.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055038.D (-2569) (-)

10.09

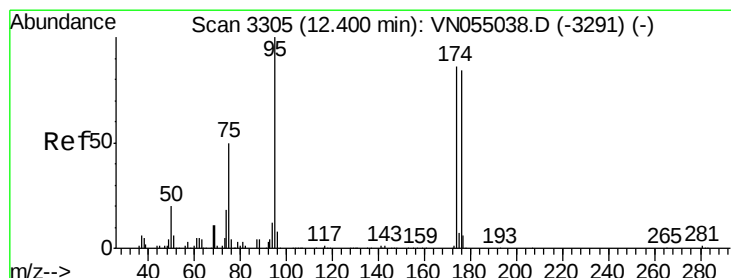
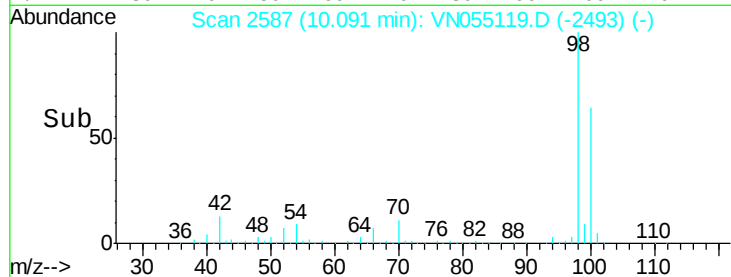
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.170 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

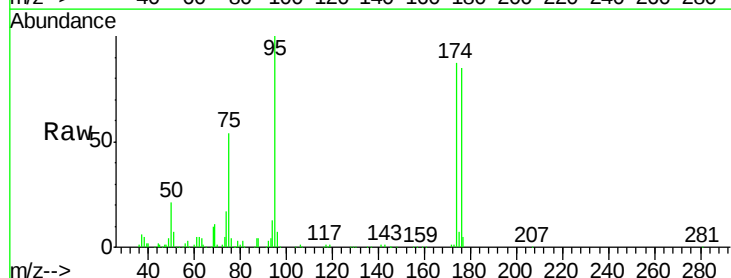
Tgt Ion: 95 Resp: 174384

Ion Ratio Lower Upper

95 100

174 86.7 0.0 174.4

176 83.4 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055038.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055038.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055038.D (-3291) (-)

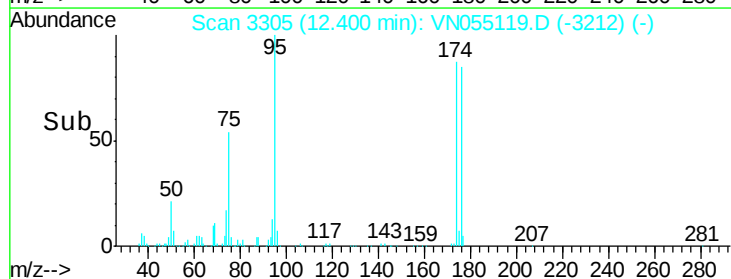
12.40

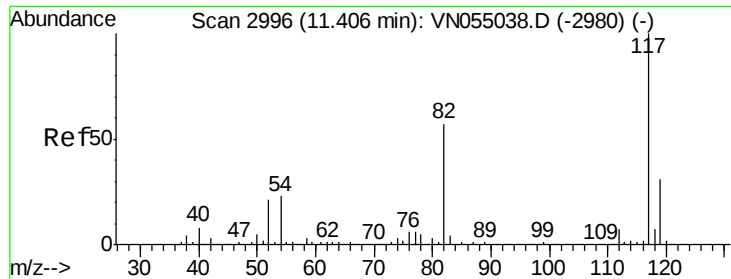
100000

50000

0

Time-->

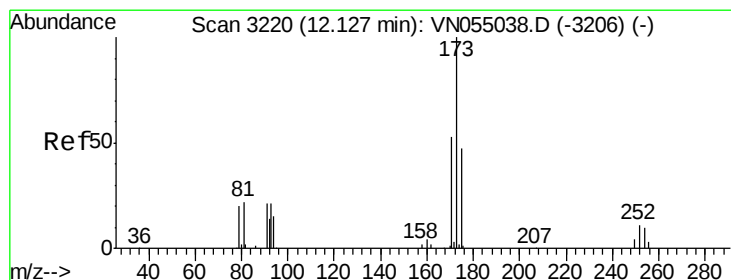
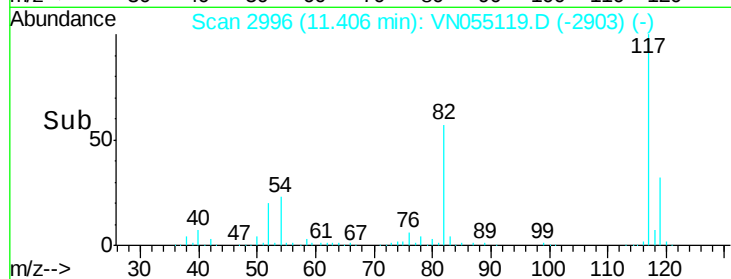
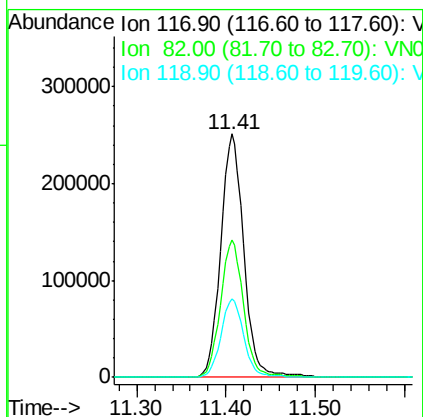
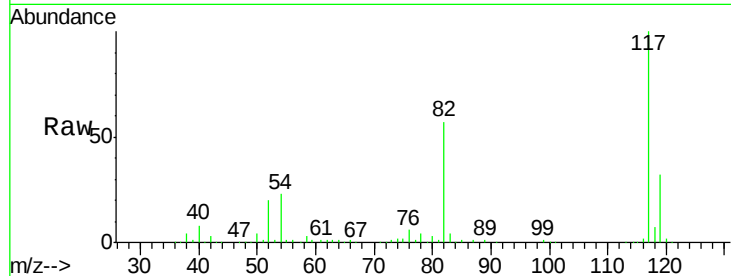




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055119.D
Acq: 18 Apr 2019 12:06

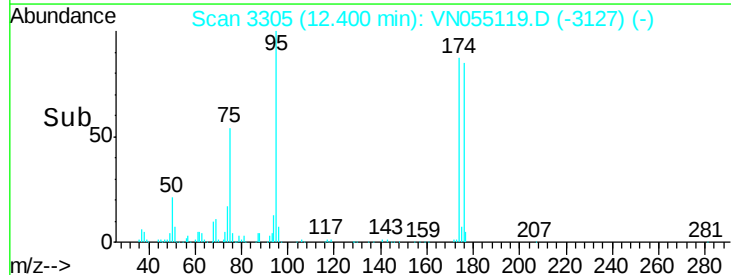
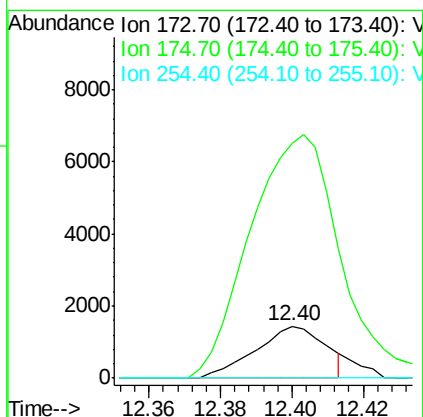
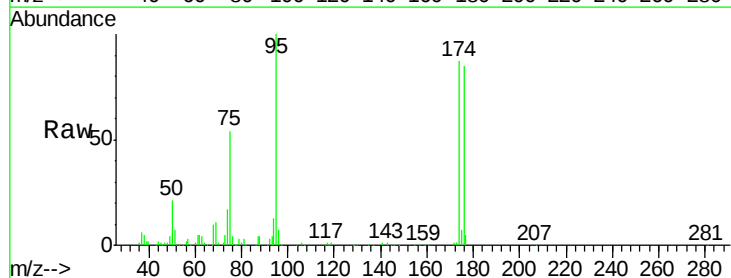
Instrument :
MSVOA_N
ClientSampled :

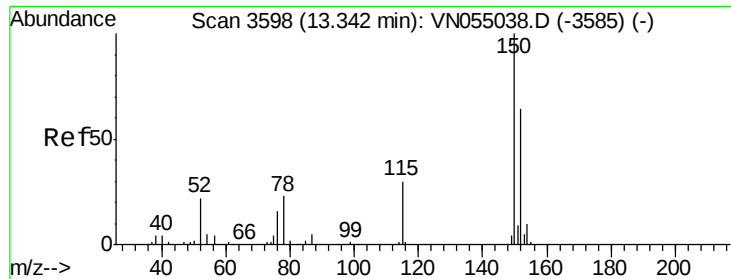
Tot Ion:117 Resp: 449783
Ion Ratio Lower Upper
117 100
82 56.7 44.6 66.8
119 32.5 25.5 38.3



#71
Bromoform
Concen: 1.022 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055119.D
Acq: 18 Apr 2019 12:06

Tgt Ion:173 Resp: 1950
Ion Ratio Lower Upper
173 100
175 531.9 24.3 73.0#
254 0.0 0.1 0.1#



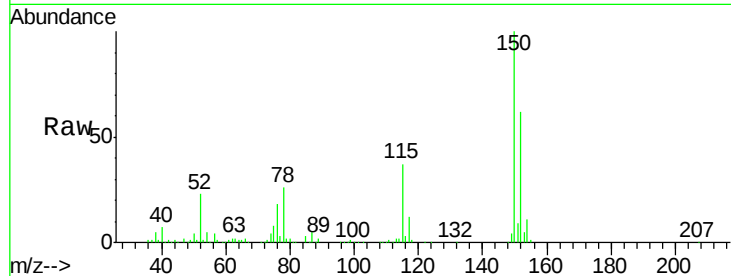


#72

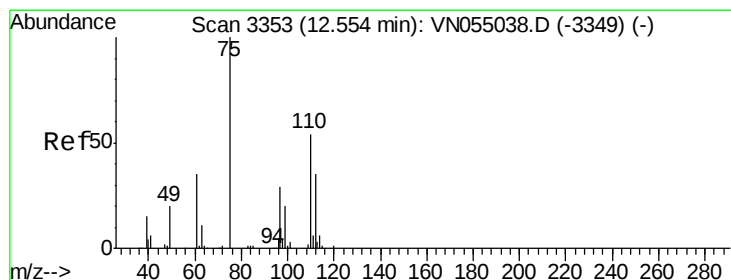
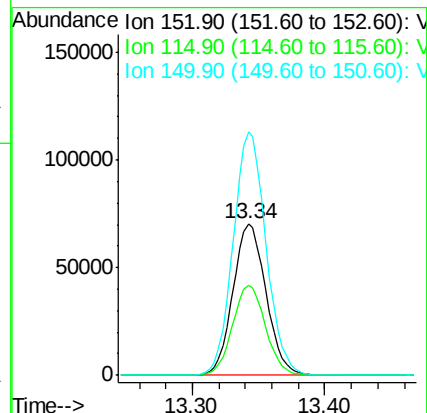
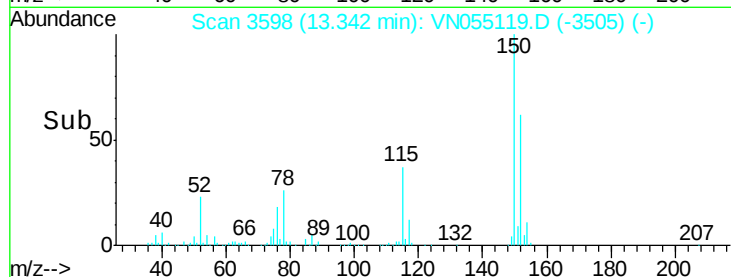
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055119.D
Acq: 18 Apr 2019 12:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.5	85.6
150	159.4	0.0	347.2



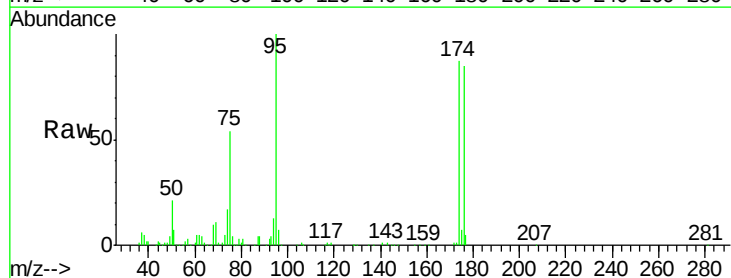
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



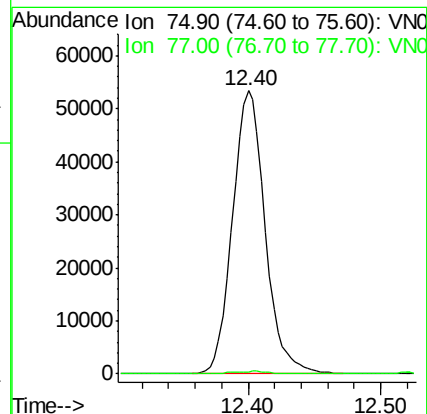
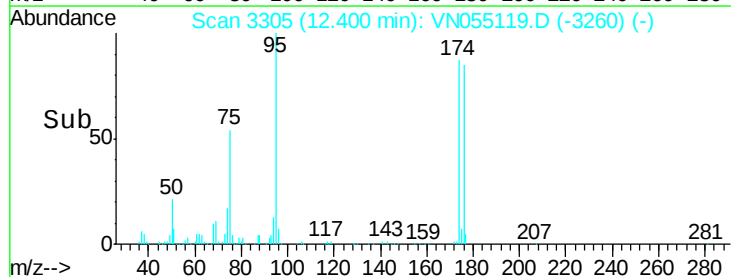
#76

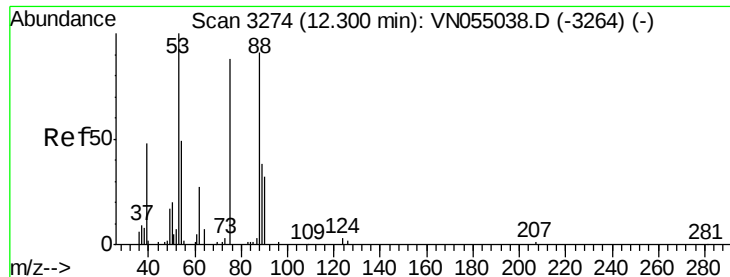
1,2,3-Trichloropropane
Concen: 41.572 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN055119.D
Acq: 18 Apr 2019 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	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: 166.240 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

Instrument :

MSVOA_N

ClientSampleId :

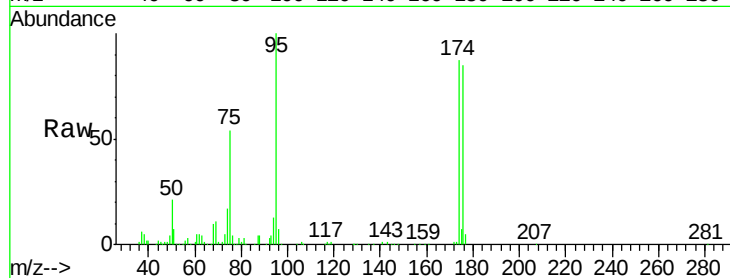
Tot Ion: 75 Resp: 91140

Ion Ratio Lower Upper

75 100

53 0.2 96.3 144.5#

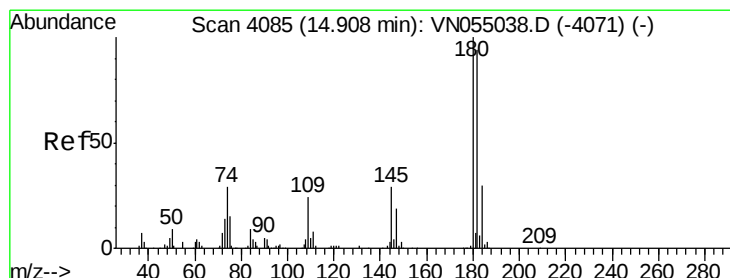
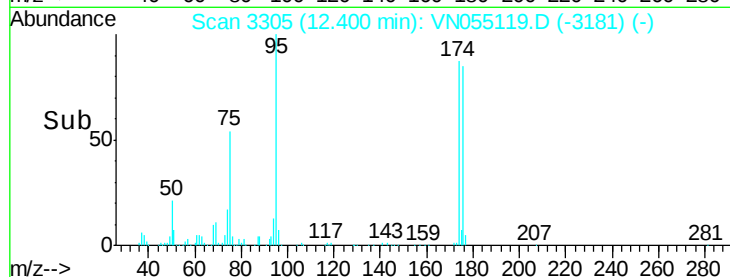
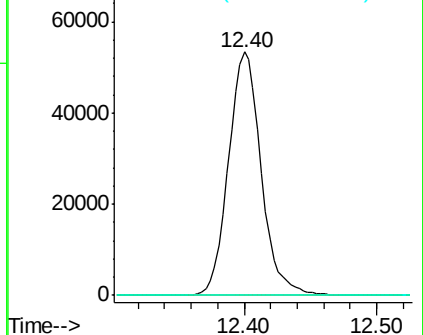
89 0.0 38.6 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055119.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055119.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055119.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.936 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

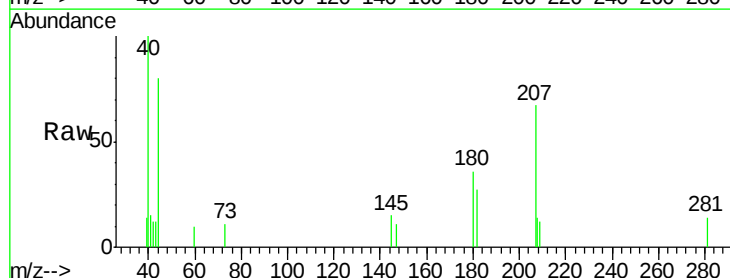
Tgt Ion: 180 Resp: 512

Ion Ratio Lower Upper

180 100

182 79.5 47.5 142.6

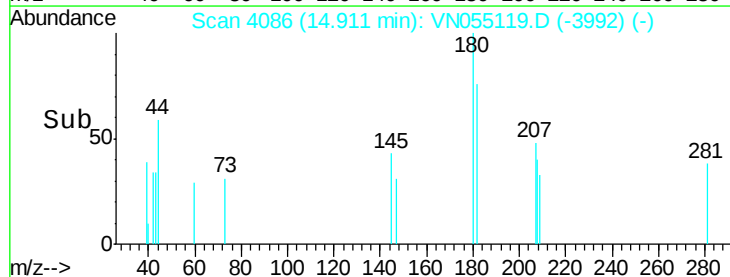
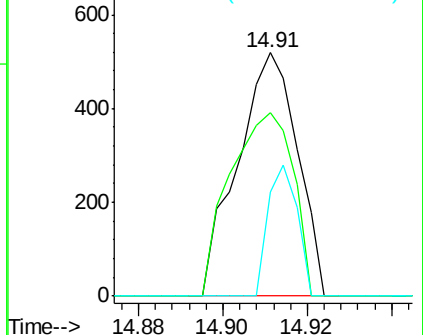
145 26.0 14.2 42.8

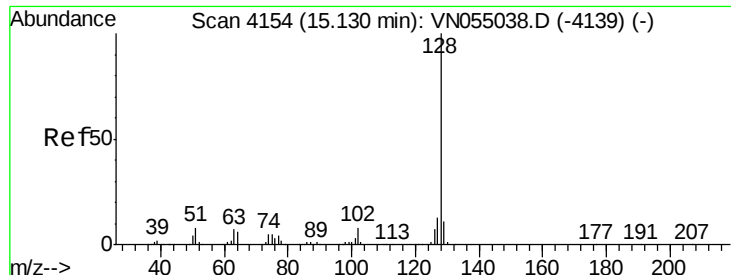


Abundance Ion 179.80 (179.50 to 180.50): VN055119.D (-3992) (-)

Ion 181.80 (181.50 to 182.50): VN055119.D (-3992) (-)

Ion 144.80 (144.50 to 145.50): VN055119.D (-3992) (-)





#95

Naphthalene

Concen: 3.173 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

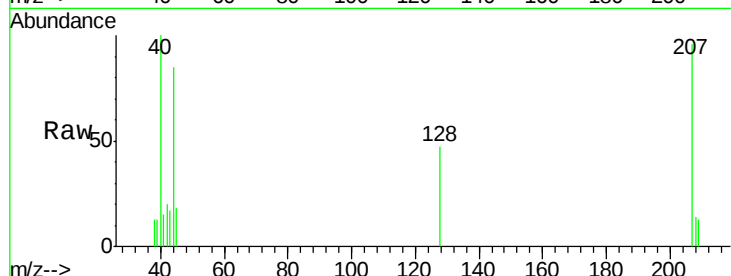
Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

Instrument :

MSVOA_N

ClientSampled :



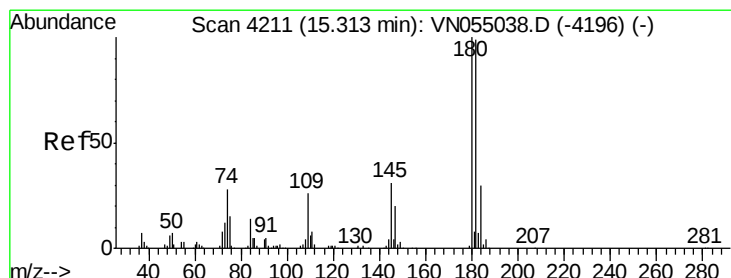
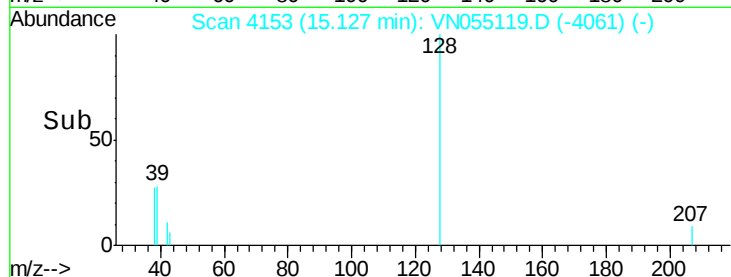
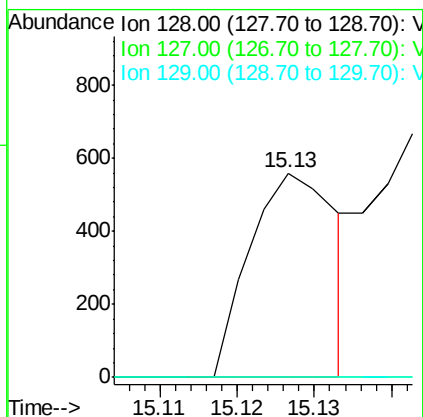
Tot Ion:128 Resp: 436

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.295 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN055119.D

Acq: 18 Apr 2019 12:06

Tgt Ion:180 Resp: 469

Ion Ratio Lower Upper

180 100

182 146.1 48.0 144.0#

145 55.2 15.3 45.9#

