

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056107.D
 Acq On : 7 Jun 2019 18:55
 Operator : JC/SP
 Sample : K3251-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 08 05:12:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	321365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	480752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142770	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	157934	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	7.59	113	141309	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
50) Toluene-d8	10.09	98	577517	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	182408	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

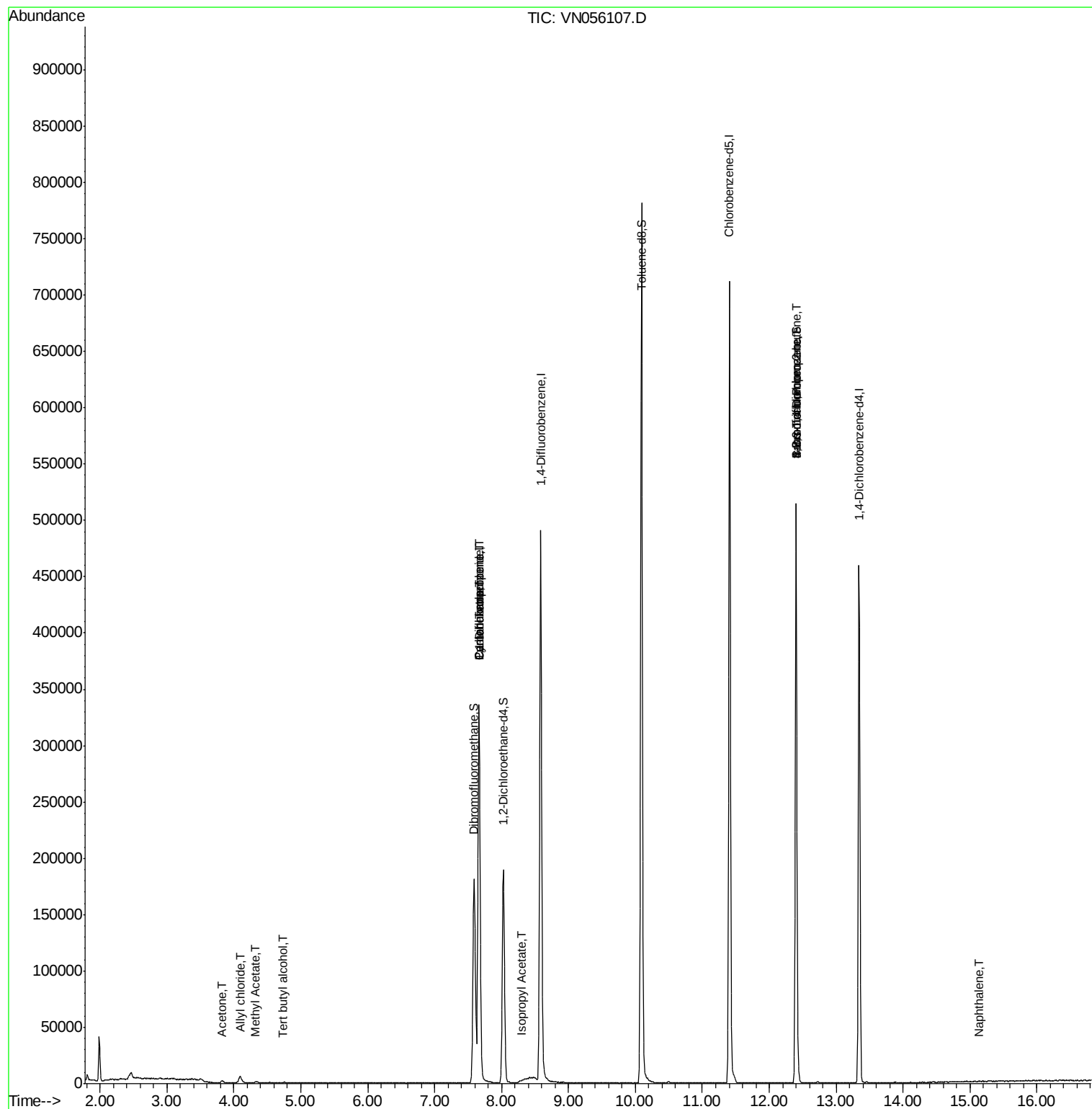
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	170	0.306	ug/l #	74
14) Allyl chloride	4.08	41	862	0.202	ug/l #	60
16) Acetone	3.83	43	2880	1.887	ug/l	91
18) Methyl Acetate	4.33	43	2518	0.265	ug/l #	72
31) Cyclohexane	7.66	56	4362	0.861	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	18845	4.559	ug/l #	47
38) Carbon Tetrachloride	7.67	117	26507	6.955	ug/l #	15
43) Isopropyl Acetate	8.30	43	2757	0.463	ug/l #	53
71) Bromoform	12.41	173	1232	3.184	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	82374	31.356	ug/l #	100
79) 2-Chlorotoluene	12.40	91	421	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	82374	104.422	ug/l #	15
95) Naphthalene	15.14	128	121	3.868	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 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: VN056107.D

Acq: 7 Jun 2019 18:55

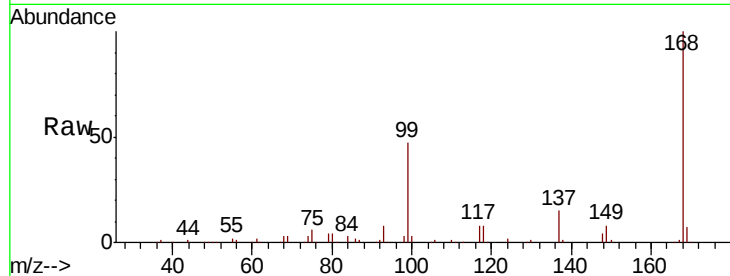
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 321365

Ion Ratio Lower Upper

168 100

99 46.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

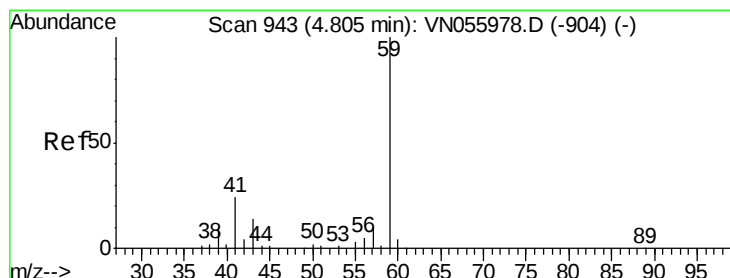
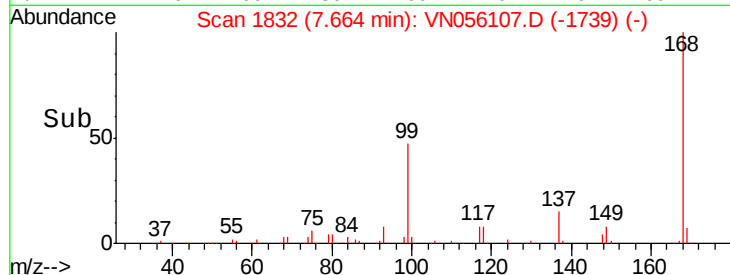
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.306 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.07 min

Lab File: VN056107.D

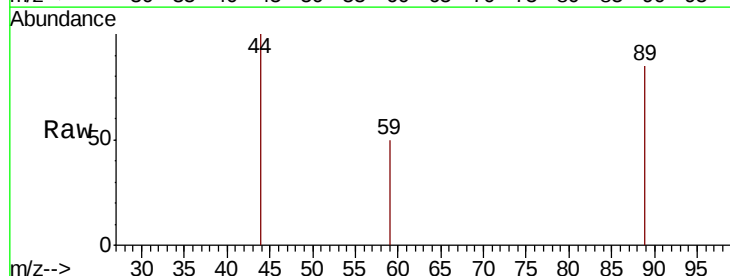
Acq: 7 Jun 2019 18:55

Tgt Ion: 59 Resp: 170

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.73

250

200

150

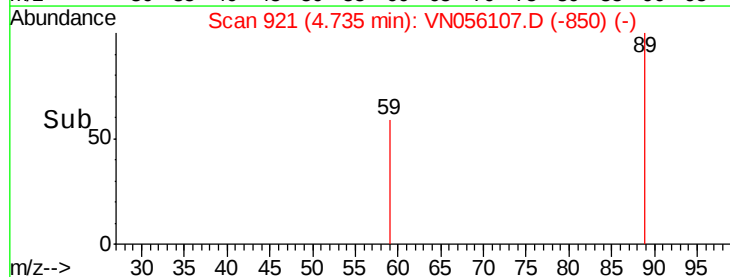
100

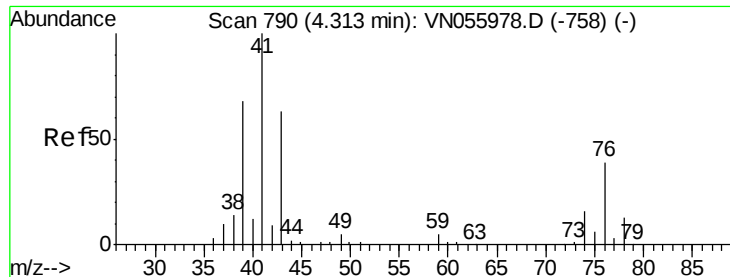
50

0

4.72 4.73 4.74

Time-->

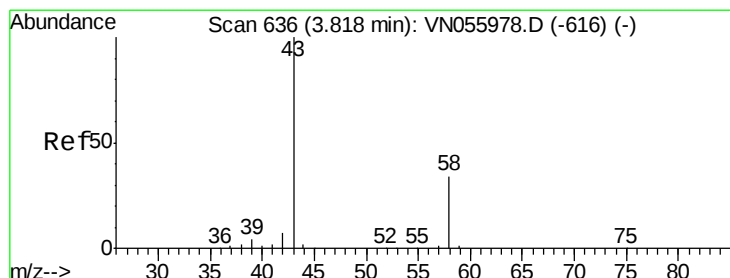
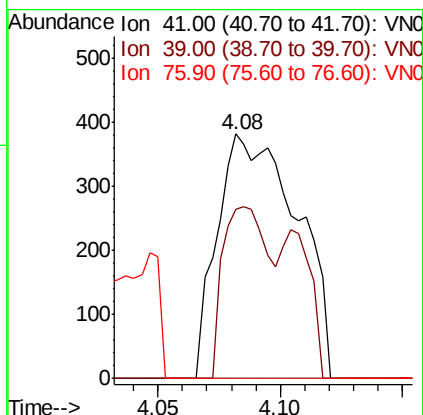
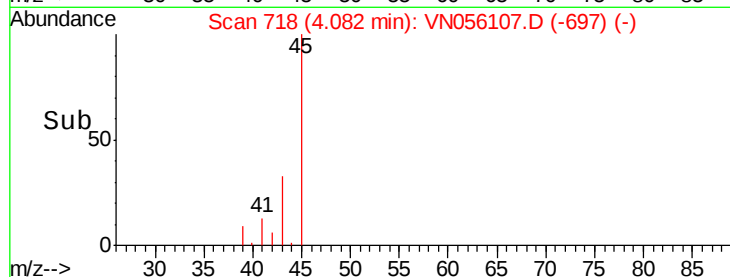
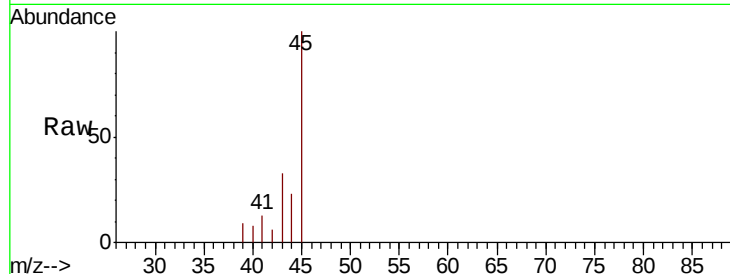




#14
Allvl chloride
Concen: 0.202 ug/l
RT: 4.08 min Scan# 718
Delta R.T. -0.23 min
Lab File: VN056107.D
Acq: 7 Jun 2019 18:55

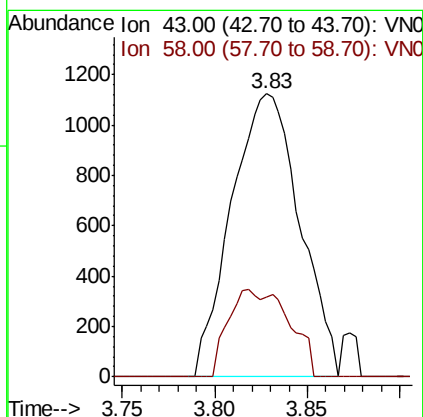
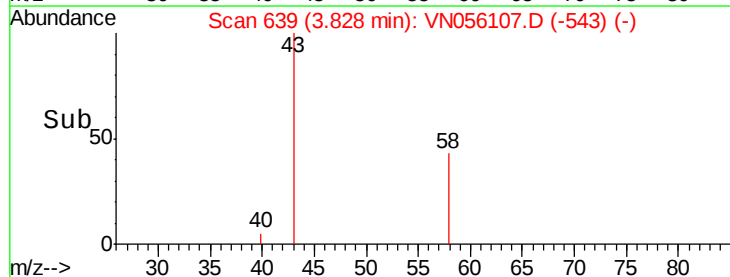
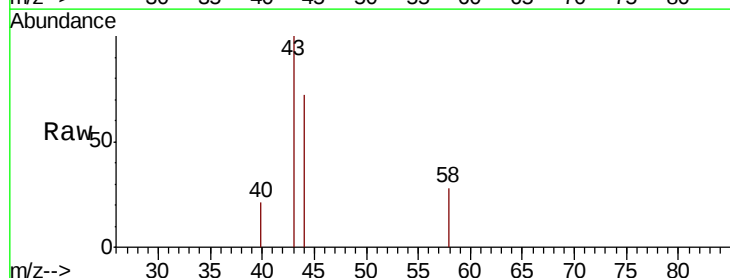
Instrument :
MSVOA_N
ClientSampled :

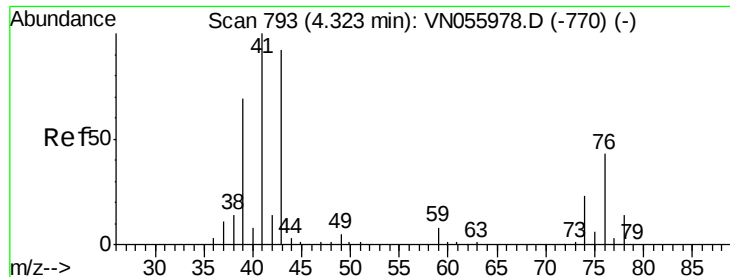
Tot Ion: 41 Resp: 862
Ion Ratio Lower Upper
41 100
39 40.6 50.0 75.0#
76 0.0 28.2 42.2#



#16
Acetone
Concen: 1.887 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN056107.D
Acq: 7 Jun 2019 18:55

Tgt Ion: 43 Resp: 2880
Ion Ratio Lower Upper
43 100
58 28.4 26.6 39.8

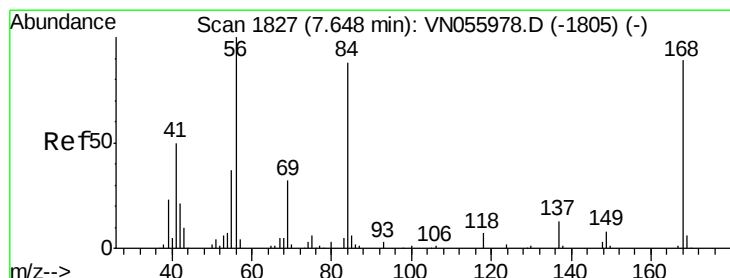
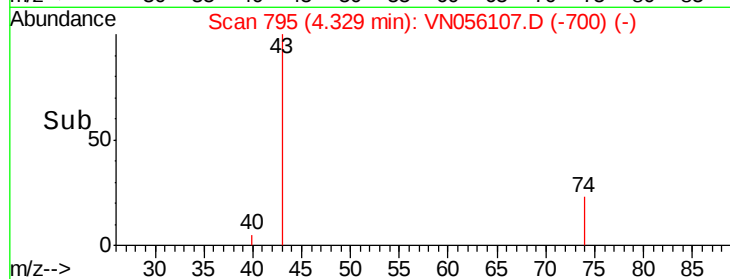
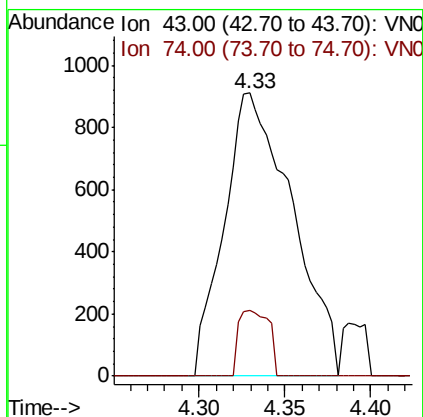
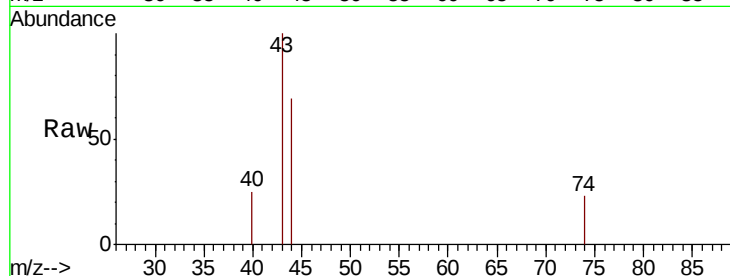




#18
Methyl Acetate
Concen: 0.265 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056107.D
Acq: 7 Jun 2019 18:55

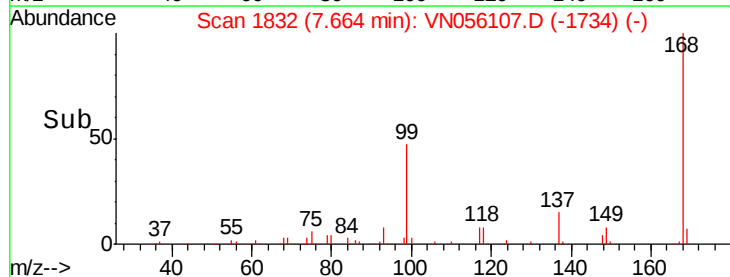
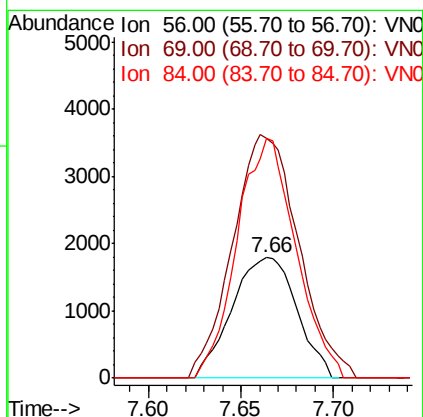
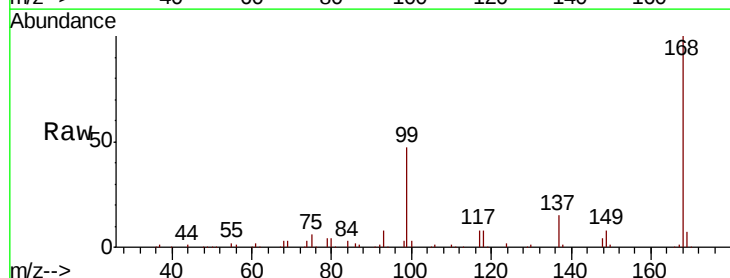
Instrument :
MSVOA_N
ClientSampled :

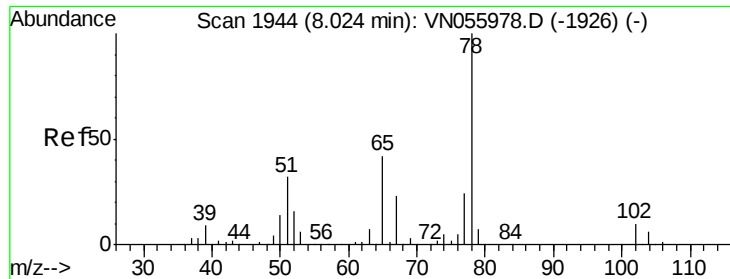
Tot Ion: 43 Resp: 2518
Ion Ratio Lower Upper
43 100
74 10.3 19.3 28.9#



#31
Cyclohexane
Concen: 0.861 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056107.D
Acq: 7 Jun 2019 18:55

Tgt Ion: 56 Resp: 4362
Ion Ratio Lower Upper
56 100
69 199.6 25.6 38.4#
84 198.6 67.4 101.0#

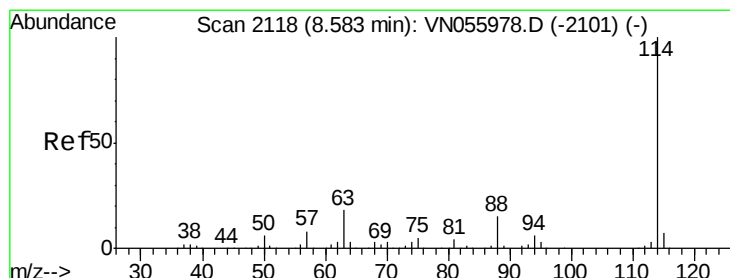
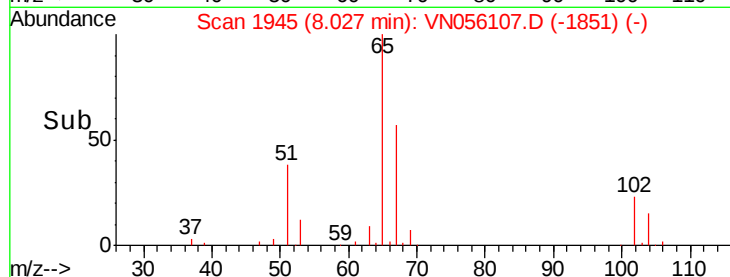
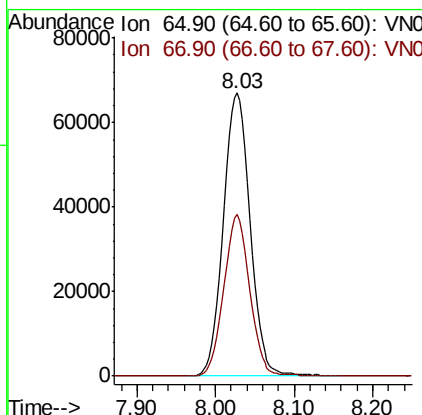
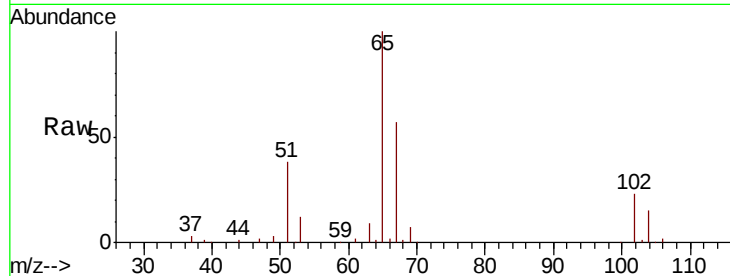




#33
 1,2-Dichloroethane-d4
 Concen: 49.495 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056107.D
 Acq: 7 Jun 2019 18:55

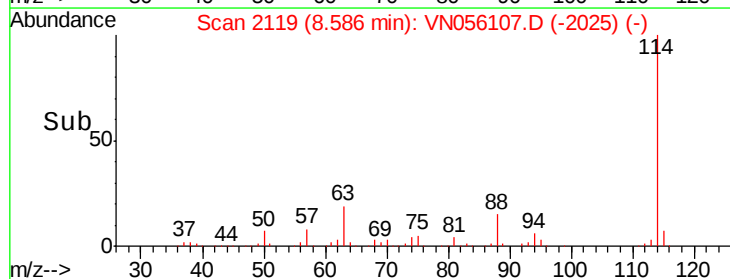
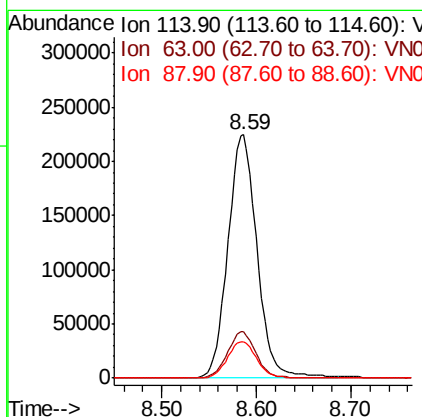
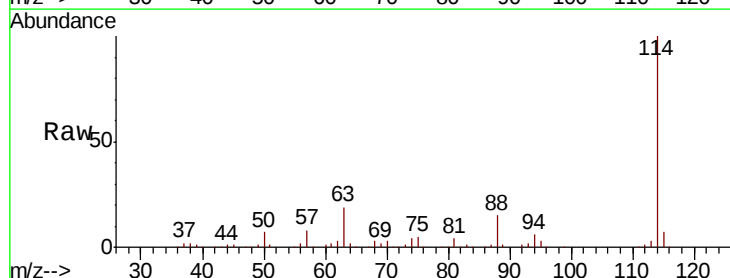
Instrument :
 MSVOA_N
 ClientSampleId :

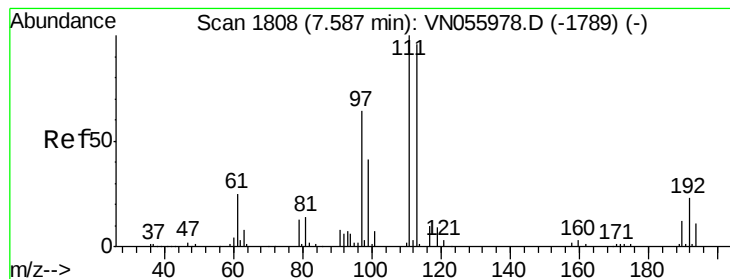
Tot Ion: 65 Resp: 157934
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056107.D
 Acq: 7 Jun 2019 18:55

Tgt Ion: 114 Resp: 480752
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.908 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

Instrument :
MSVOA_N
ClientSampleId :

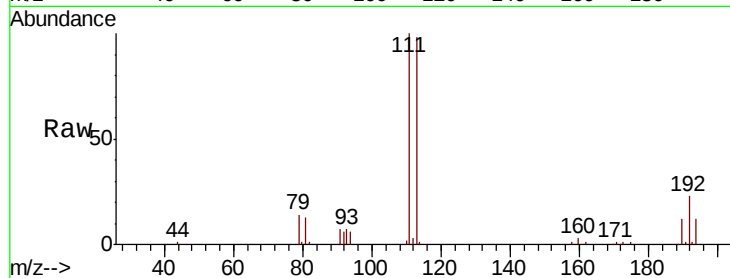
Tot Ion:113 Resp: 141309

Ion Ratio Lower Upper

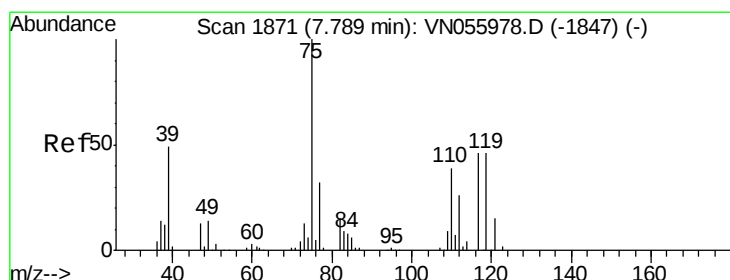
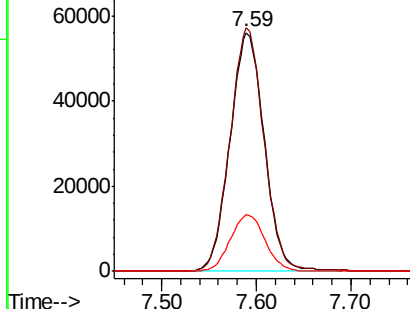
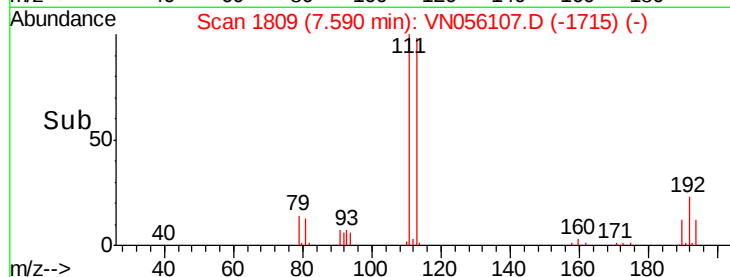
113 100

111 101.3 81.9 122.9

192 24.0 19.5 29.3



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: 4.559 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

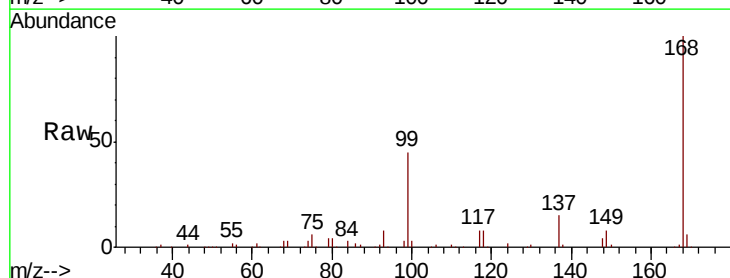
Tgt Ion: 75 Resp: 18845

Ion Ratio Lower Upper

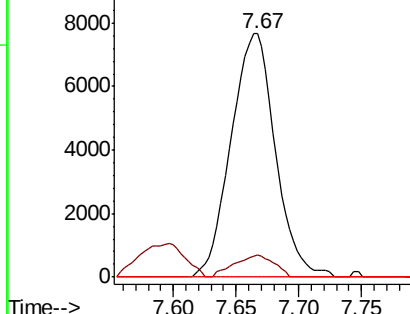
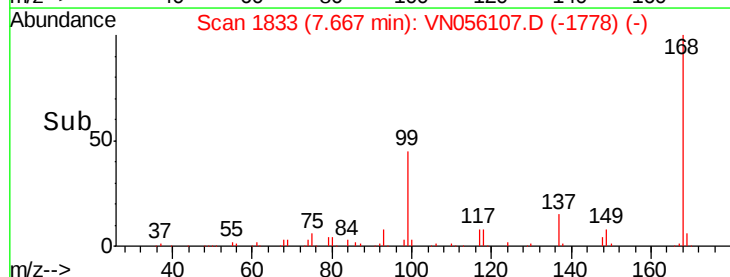
75 100

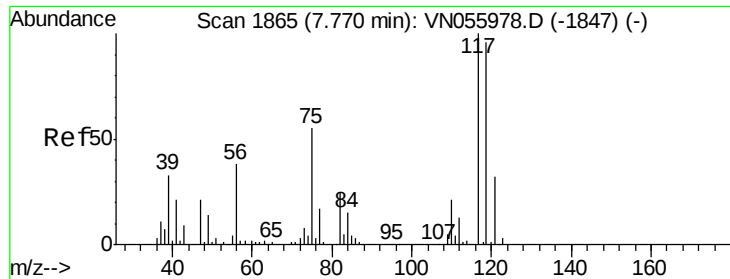
110 8.1 19.0 57.0#

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





#38

Carbon Tetrachloride

Concen: 6.955 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

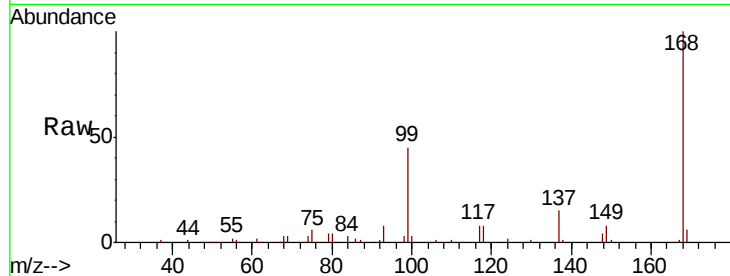
Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

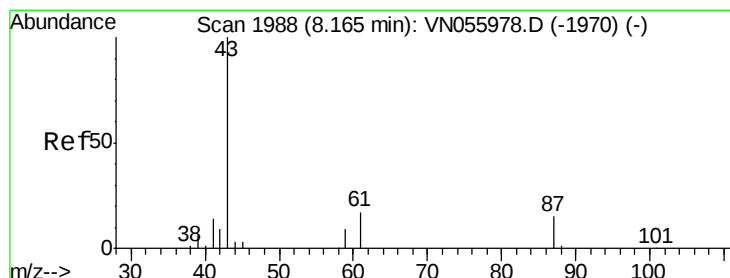
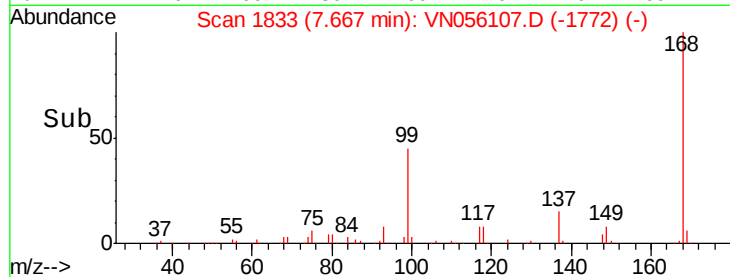
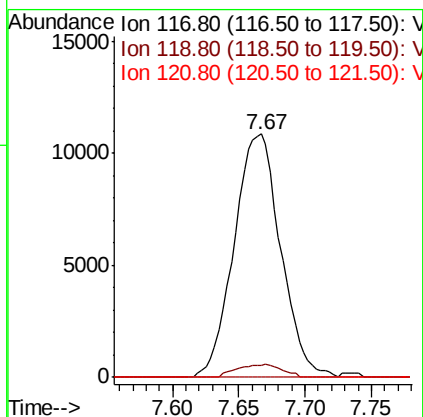
Instrument :

MSVOA_N

ClientSampled :



Tot Ion:	117	Resp:	26507
Ion	Ratio	Lower	Upper
117	100		
119	5.2	79.0	118.6#
121	0.0	24.7	37.1#



#43

Isopropyl Acetate

Concen: 0.463 ug/l

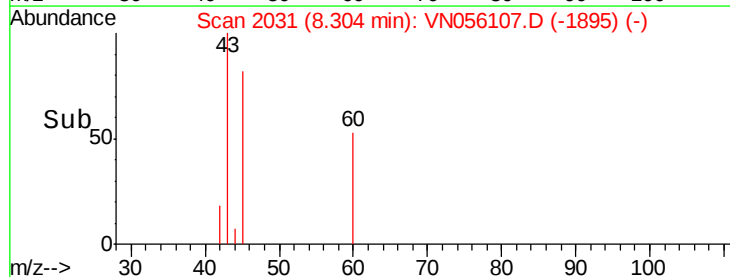
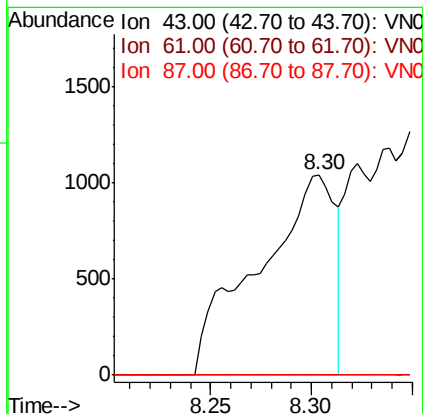
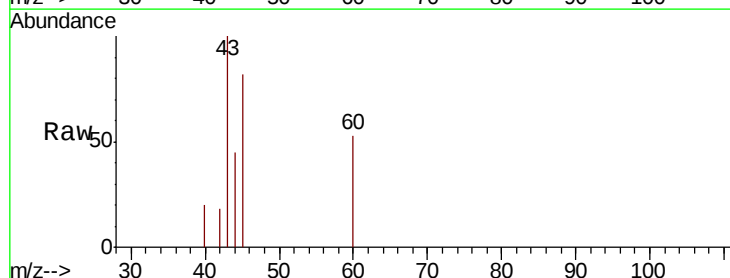
RT: 8.30 min Scan# 2031

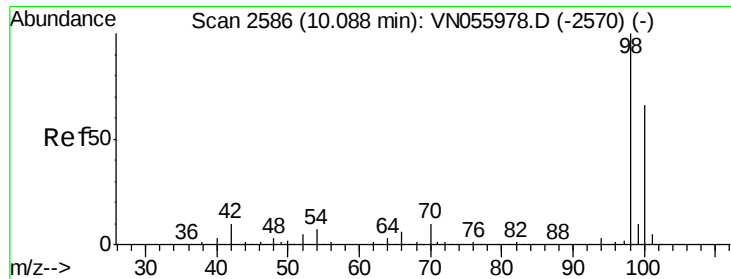
Delta R.T. 0.14 min

Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

Tgt Ion:	43	Resp:	2757
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.2	33.4#
87	0.0	11.4	17.2#





#50

Toluene-d8

Concen: 50.883 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

Instrument :

MSVOA_N

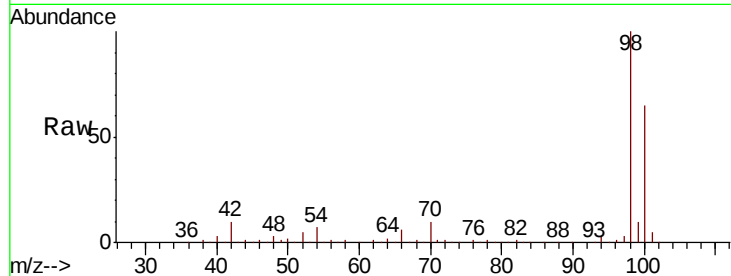
ClientSampleId :

Tot Ion: 98 Resp: 577517

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

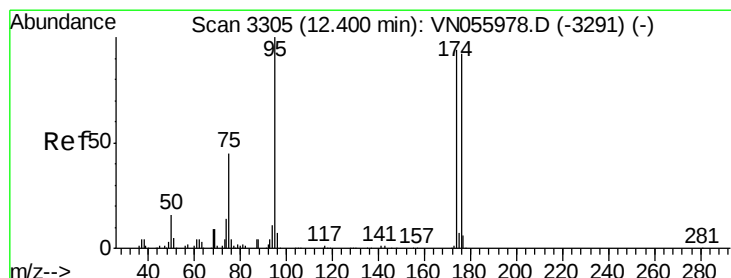
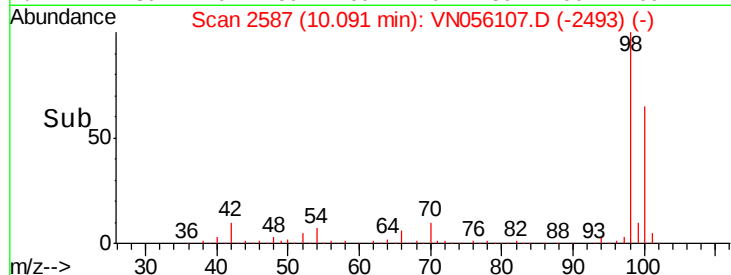
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.258 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

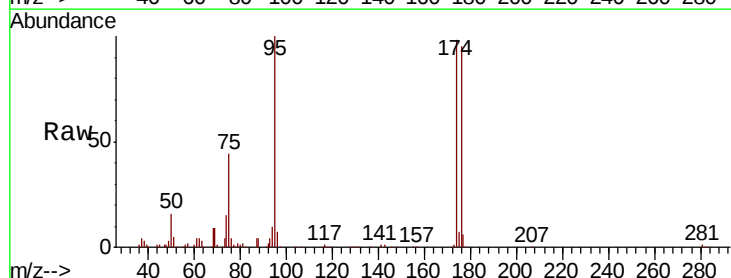
Tgt Ion: 95 Resp: 182408

Ion Ratio Lower Upper

95 100

174 96.6 0.0 191.0

176 93.6 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

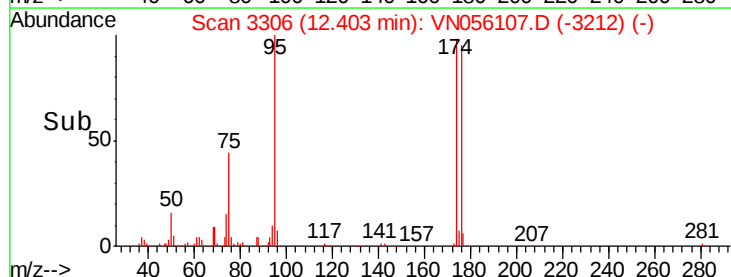
12.40

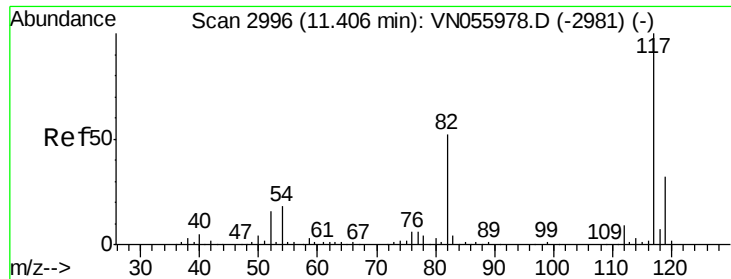
100000

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: VN056107.D

Acq: 7 Jun 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

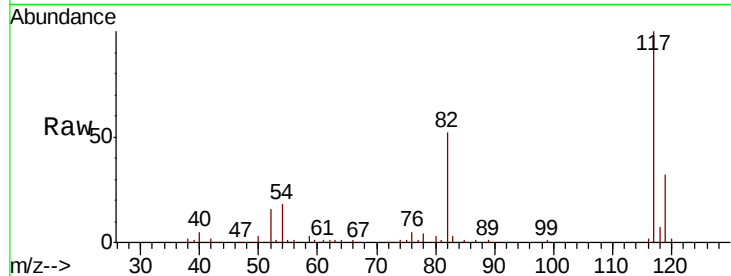
Tot Ion:117 Resp: 456434

Ion Ratio Lower Upper

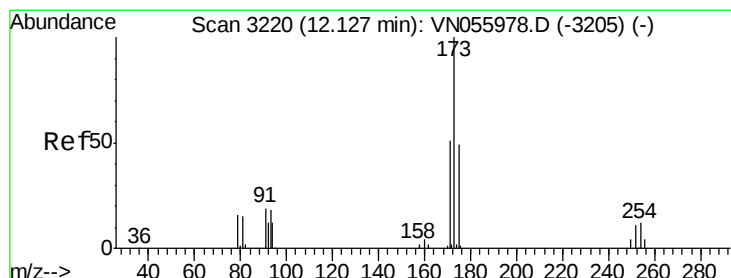
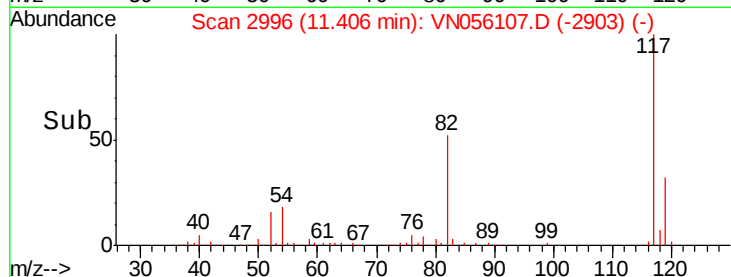
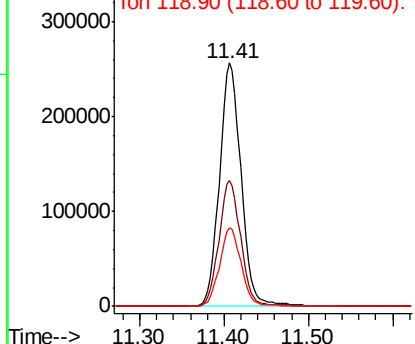
117 100

82 51.8 41.8 62.8

119 32.2 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 3.184 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

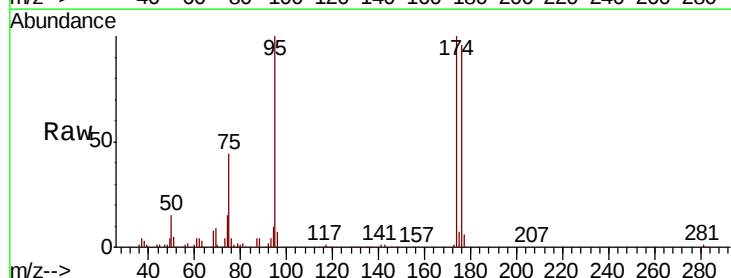
Tgt Ion:173 Resp: 1232

Ion Ratio Lower Upper

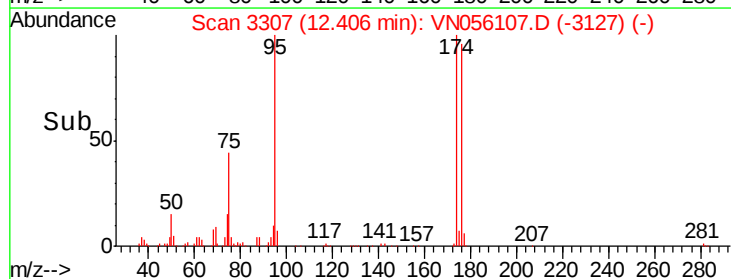
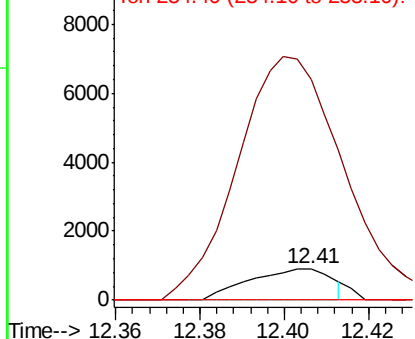
173 100

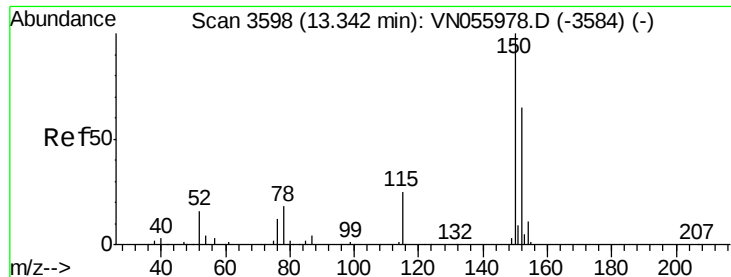
175 858.7 24.3 72.8#

254 0.0 0.0 0.0



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



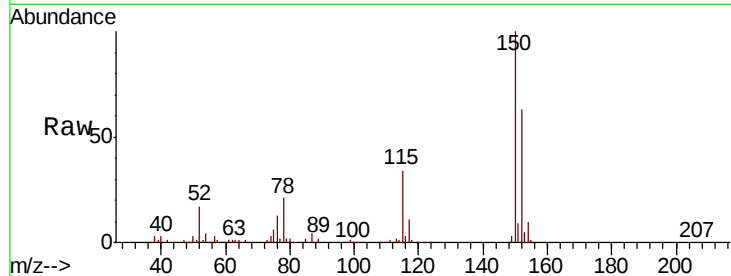


#72

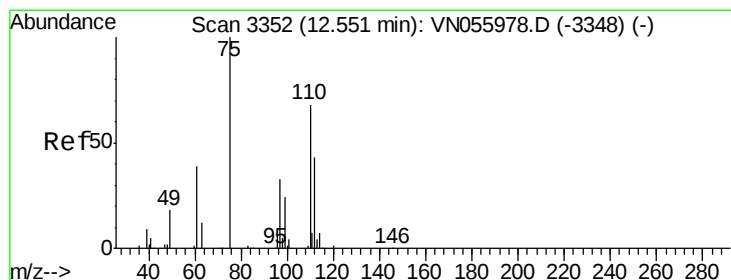
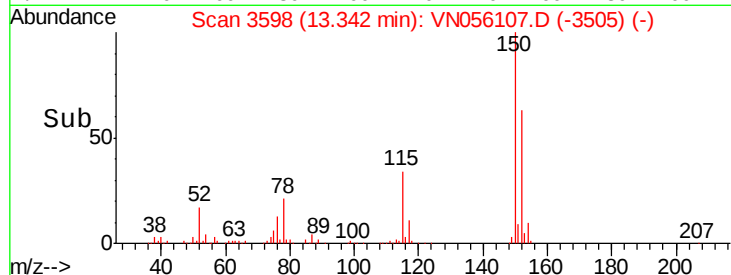
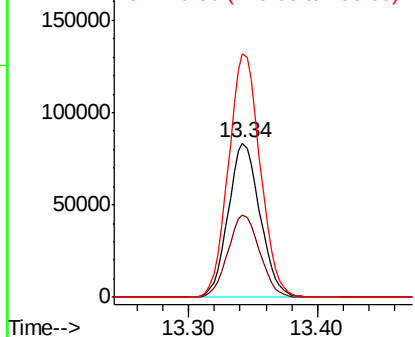
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056107.D
Acq: 7 Jun 2019 18:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 142770
Ion Ratio Lower Upper
152 100
115 53.6 27.0 81.0
150 157.7 0.0 343.2



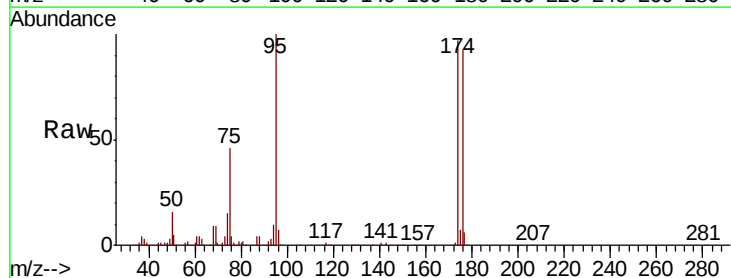
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



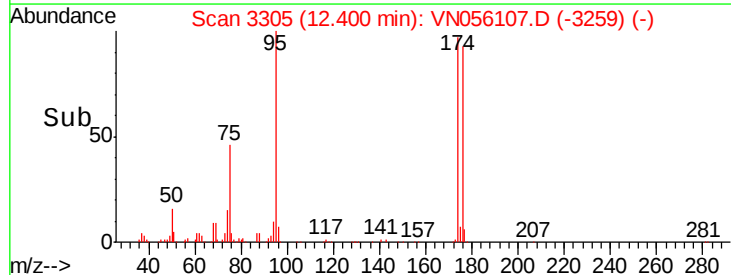
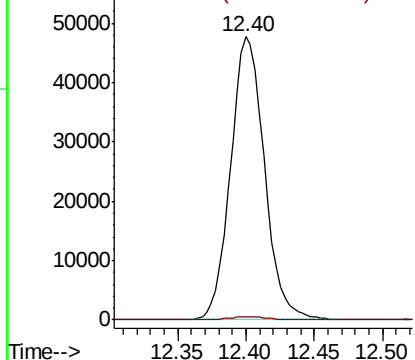
#76

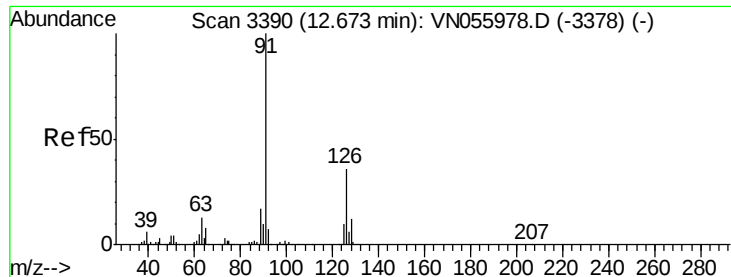
1,2,3-Trichloropropane
Concen: 31.356 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN056107.D
Acq: 7 Jun 2019 18:55

Tgt Ion: 75 Resp: 82374
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.27 min

Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

Instrument :

MSVOA_N

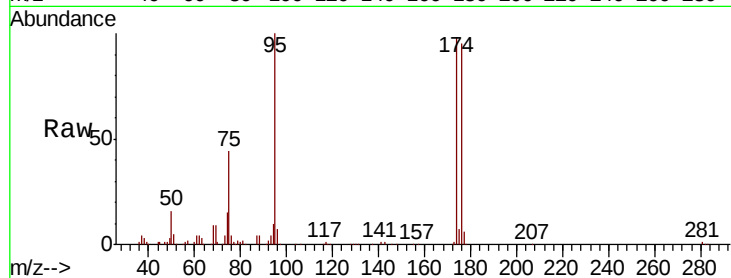
ClientSampleId :

Tot Ion: 91 Resp: 421

Ion Ratio Lower Upper

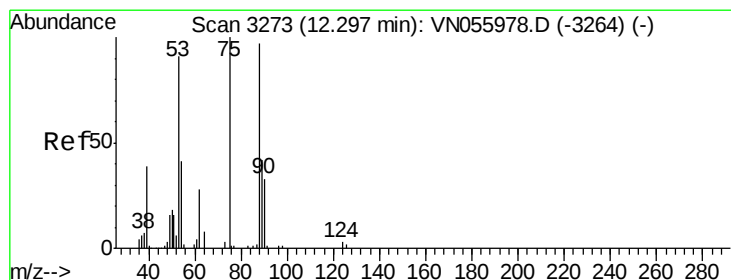
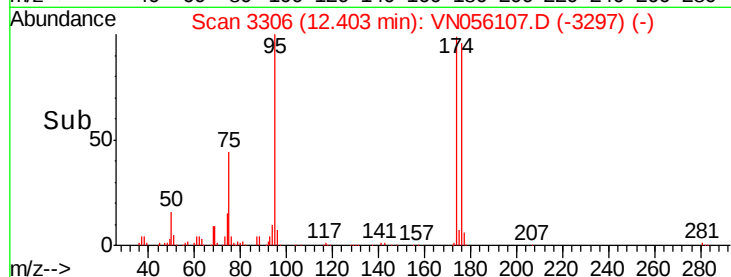
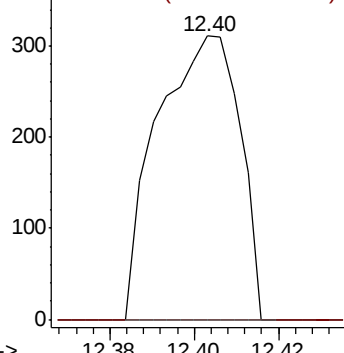
91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): VN



#81

trans-1,4-Dichloro-2-butene

Concen: 104.422 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

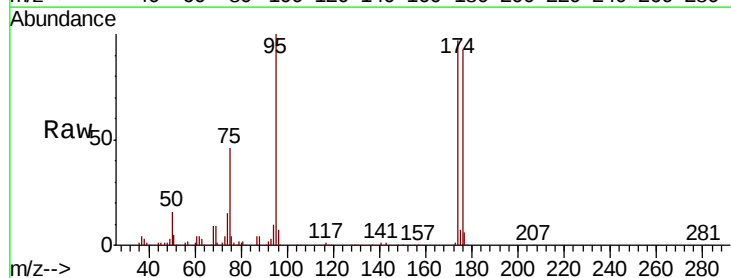
Tgt Ion: 75 Resp: 82374

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

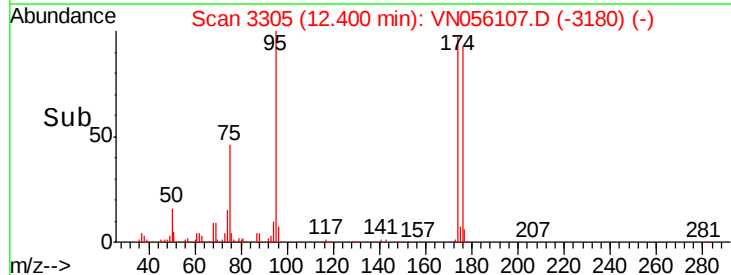
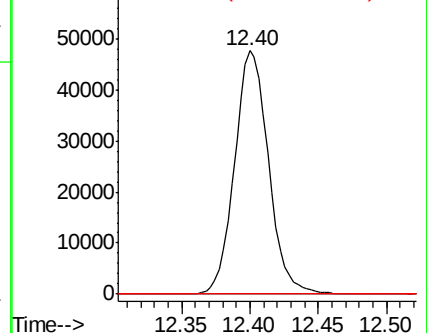
89 0.0 36.9 55.3#

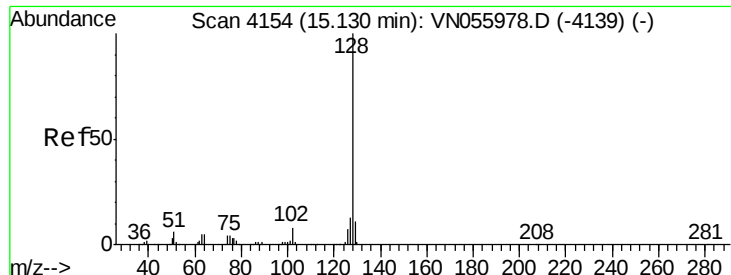


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 3.868 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

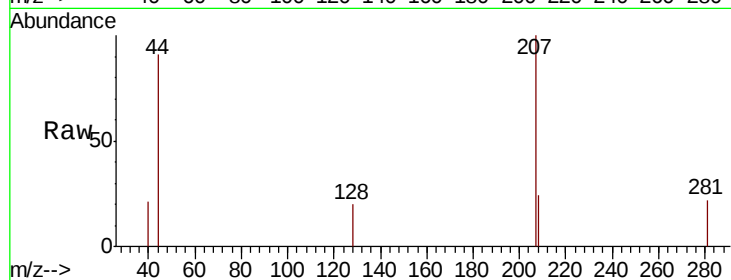
Lab File: VN056107.D

Acq: 7 Jun 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	128	Resp:	121
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

