

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
 Data File : VN056000.D
 Acq On : 5 Jun 2019 11:11
 Operator : JC/SP
 Sample : K2640-02 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 01:19:25 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

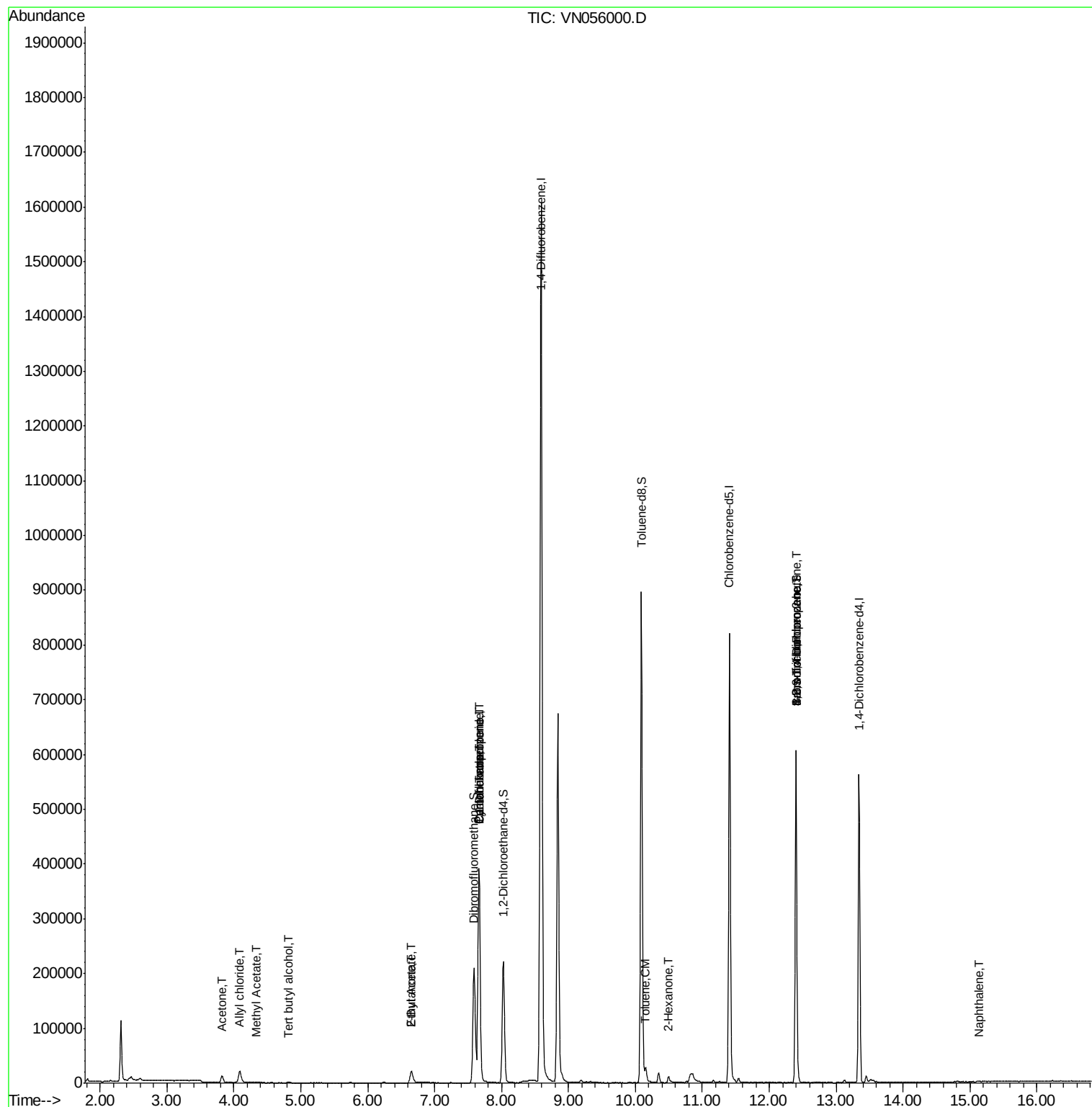
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	381319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	572180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	526523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174397	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	179268	47.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.70%	
35) Dibromofluoromethane	7.59	113	159480	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.86%	
50) Toluene-d8	10.09	98	677347	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	215046	46.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.62%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.81	59	647	0.982	ug/l #	74
14) Allyl chloride	4.09	41	3441	0.681	ug/l #	61
16) Acetone	3.82	43	20485	11.313	ug/l	98
18) Methyl Acetate	4.33	43	3482	0.405	ug/l #	69
25) 2-Butanone	6.65	43	50281	21.977	ug/l #	47
31) Cyclohexane	7.66	56	5217	0.868	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21935	4.458	ug/l #	48
37) Ethyl Acetate	6.65	43	35553	8.122	ug/l #	67
38) Carbon Tetrachloride	7.66	117	30328	6.686	ug/l #	15
52) Toluene	10.16	92	9404	1.011	ug/l	92
59) 2-Hexanone	10.50	43	1257	0.391	ug/l	81
71) Bromoform	12.40	173	1522	3.216	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	97534	30.394	ug/l #	100
79) 2-Chlorotoluene	12.59	91	112	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	97534	101.218	ug/l #	15
95) Naphthalene	15.13	128	402	3.896	ug/l #	69

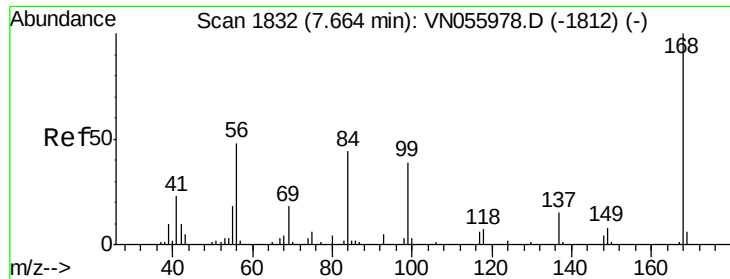
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060519\
Data File : VN056000.D
Acq On : 5 Jun 2019 11:11
Operator : JC/SP
Sample : K2640-02 50X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 06 01:19:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
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: VN056000.D

Acq: 5 Jun 2019 11:11

Instrument :

MSVOA_N

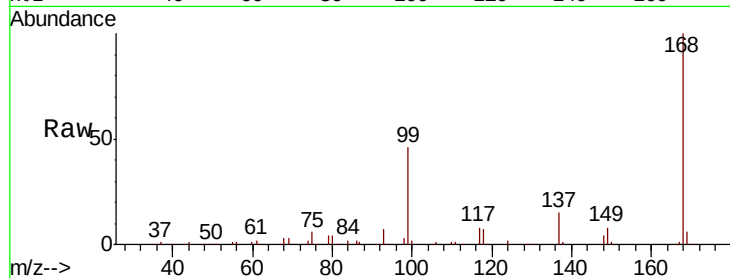
ClientSampled :

Tot Ion:168 Resp: 381319

Ion Ratio Lower Upper

168 100

99 45.9 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

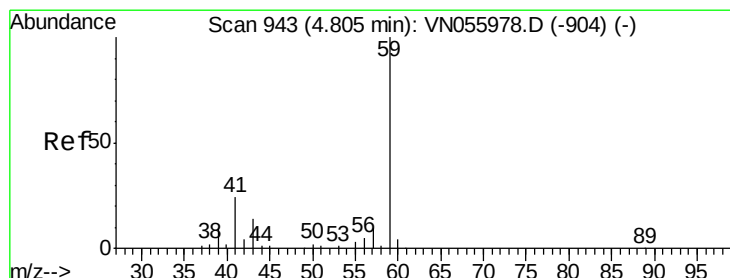
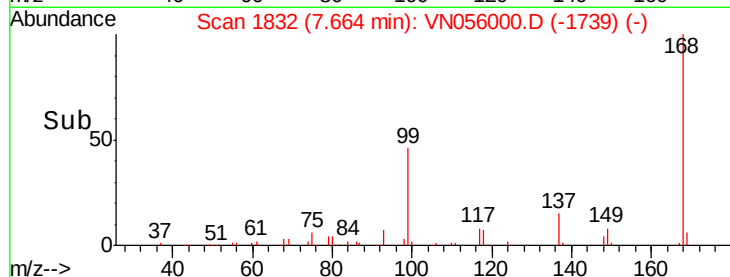
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.982 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.01 min

Lab File: VN056000.D

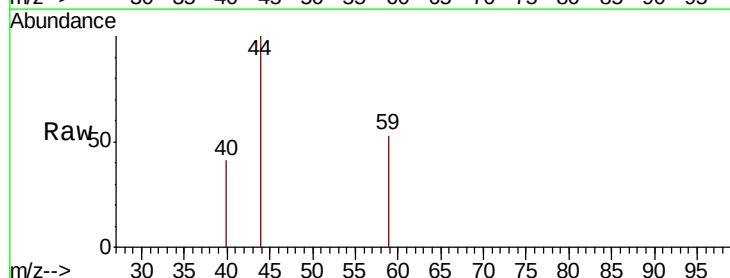
Acq: 5 Jun 2019 11:11

Tgt Ion: 59 Resp: 647

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) (-)

4.81

300

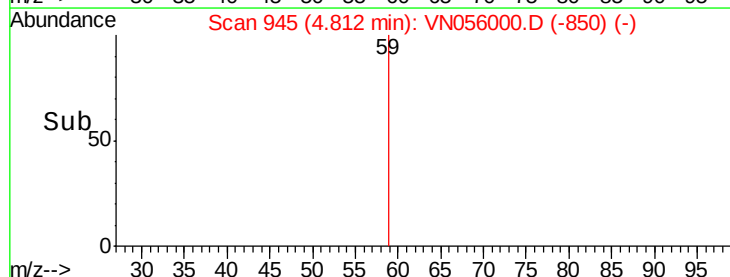
200

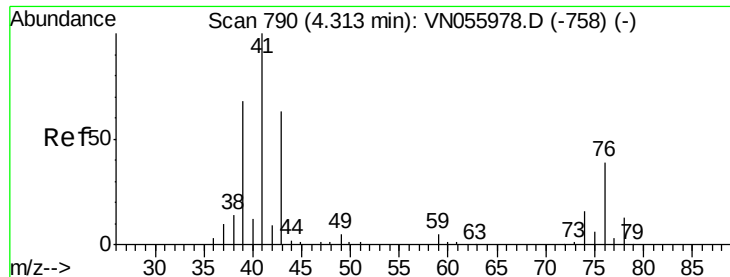
100

0

4.76 4.78 4.80 4.82 4.84

Time-->

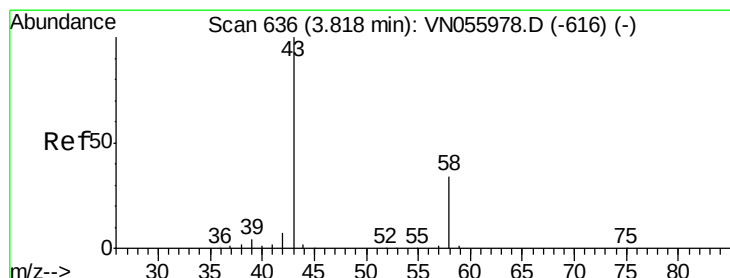
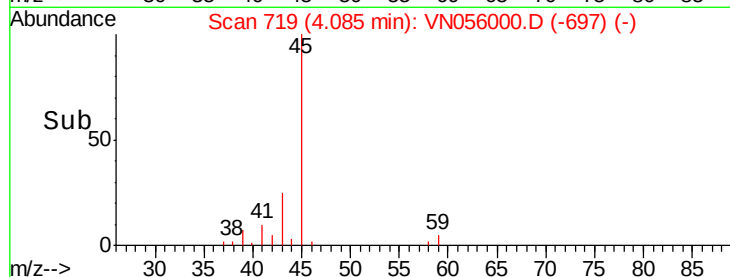
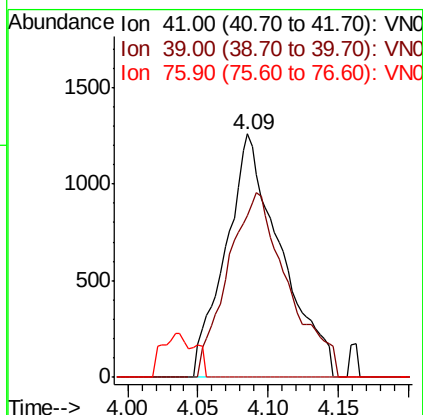
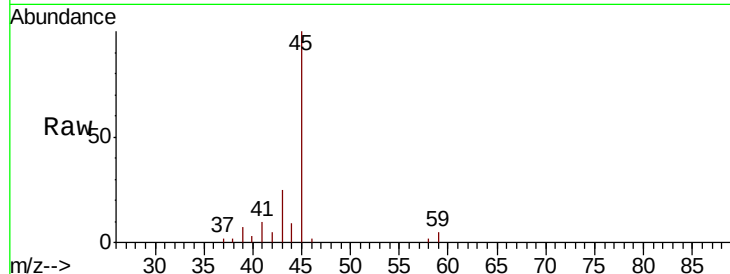




#14
Allvl chloride
Concen: 0.681 ug/l
RT: 4.09 min Scan# 719
Delta R.T. -0.23 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

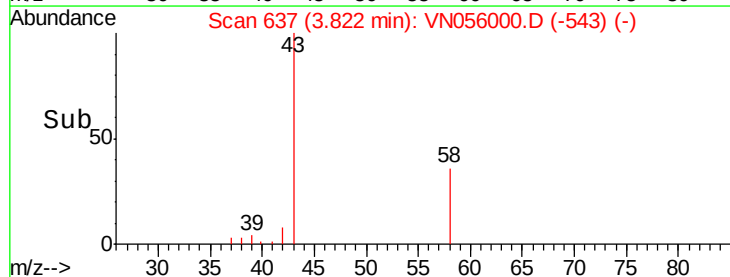
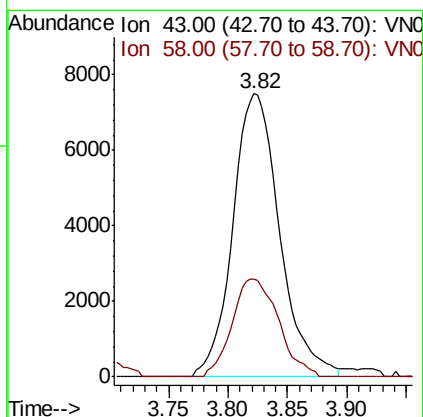
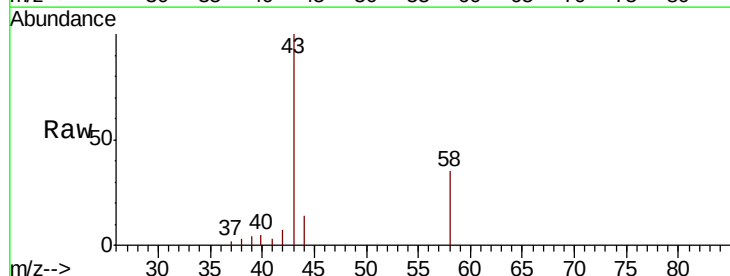
Instrument :
MSVOA_N
ClientSampled :

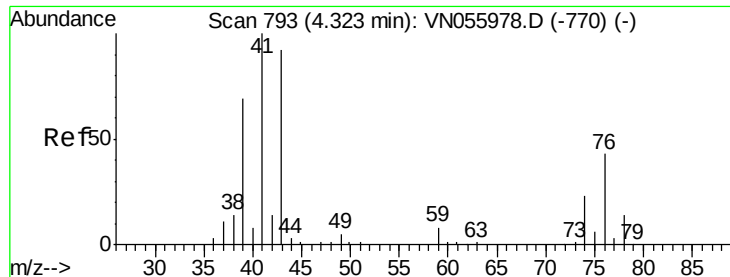
Tot Ion: 41 Resp: 3441
Ion Ratio Lower Upper
41 100
39 82.8 50.0 75.0#
76 0.0 28.2 42.2#



#16
Acetone
Concen: 11.313 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

Tgt Ion: 43 Resp: 20485
Ion Ratio Lower Upper
43 100
58 34.6 26.6 39.8

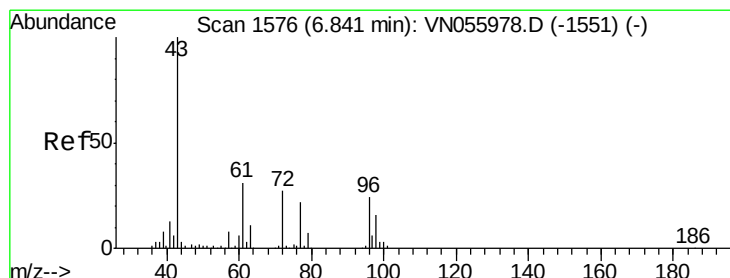
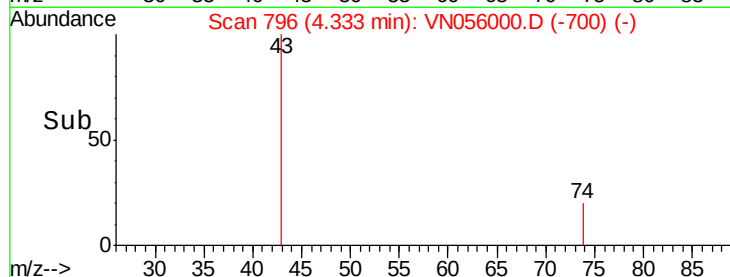
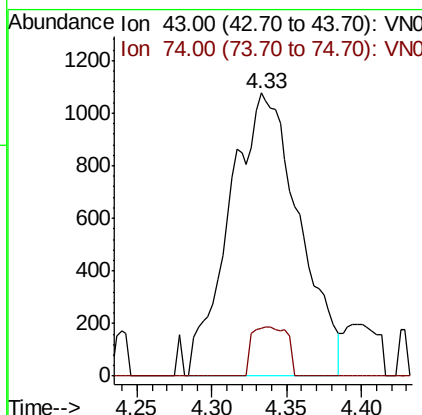
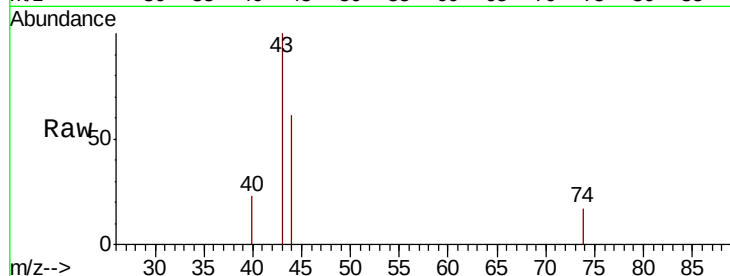




#18
Methyl Acetate
Concen: 0.405 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

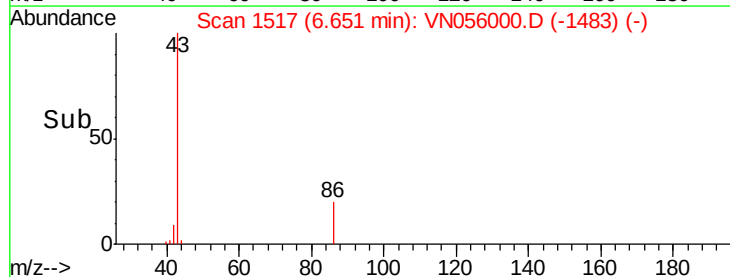
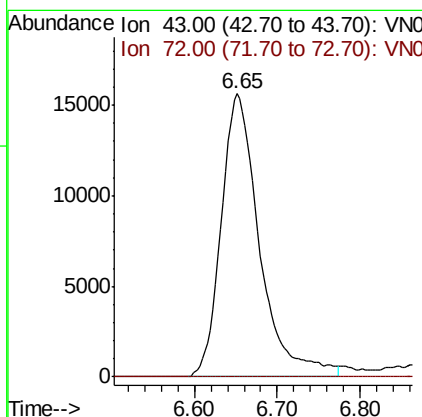
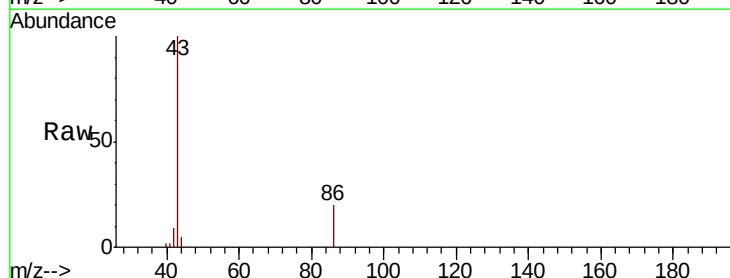
Instrument :
MSVOA_N
ClientSampleId :

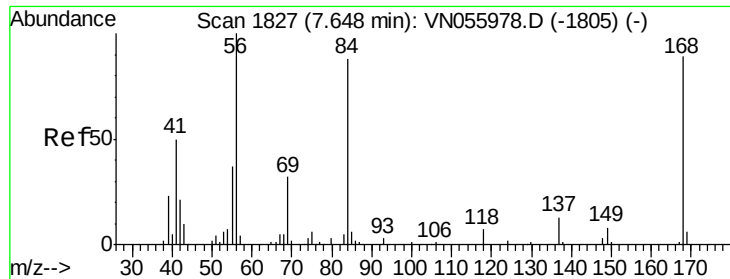
Tot Ion: 43 Resp: 3482
Ion Ratio Lower Upper
43 100
74 8.7 19.3 28.9#



#25
2-Butanone
Concen: 21.977 ug/l
RT: 6.65 min Scan# 1517
Delta R.T. -0.19 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

Tgt Ion: 43 Resp: 50281
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#

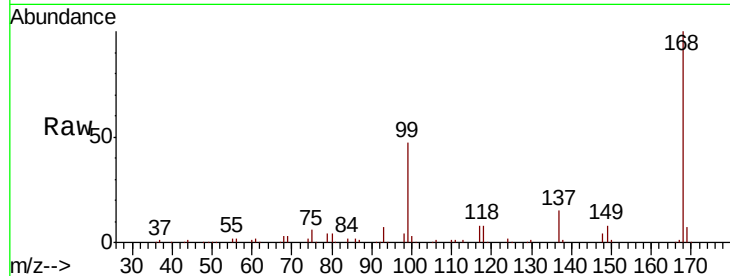




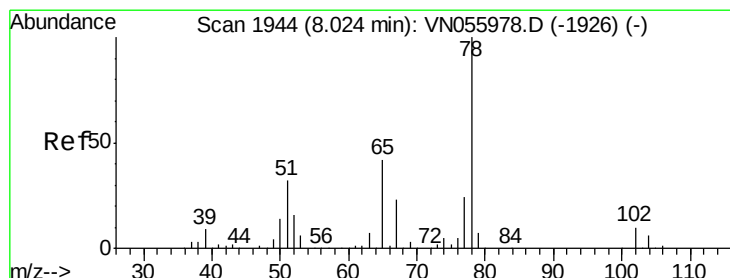
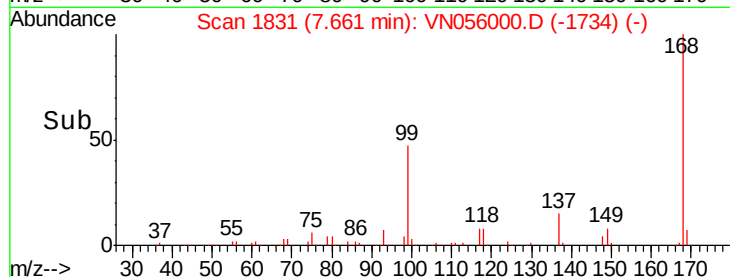
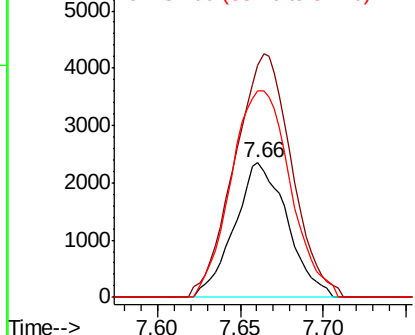
#31
Cyclohexane
Concen: 0.868 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 5217
Ion Ratio Lower Upper
56 100
69 172.3 25.6 38.4#
84 153.3 67.4 101.0#

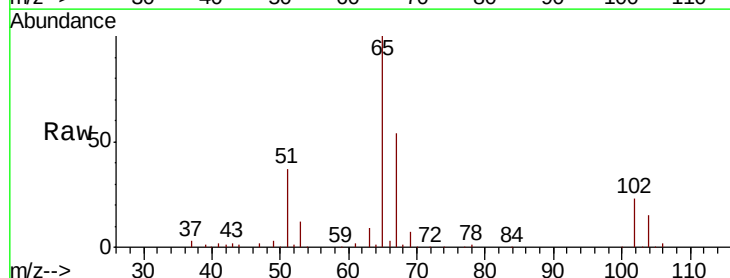


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

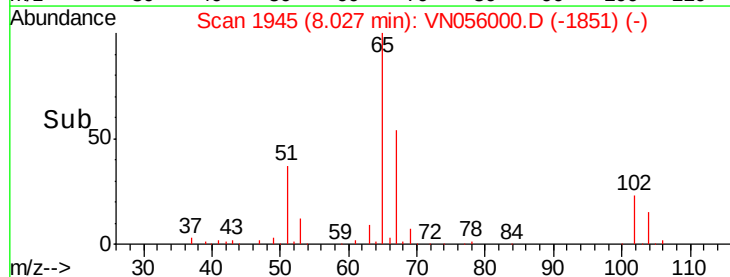
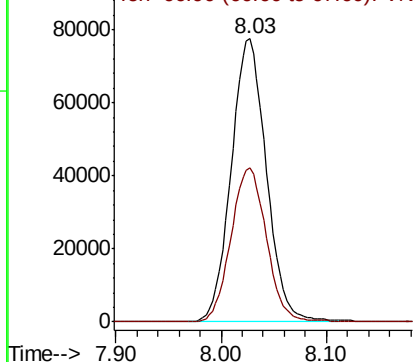


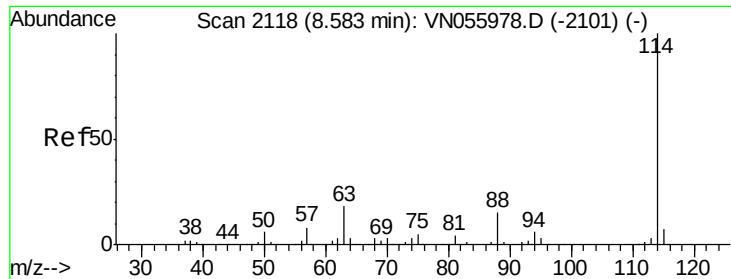
#33
1,2-Dichloroethane-d4
Concen: 47.348 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

Tgt Ion: 65 Resp: 179268
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

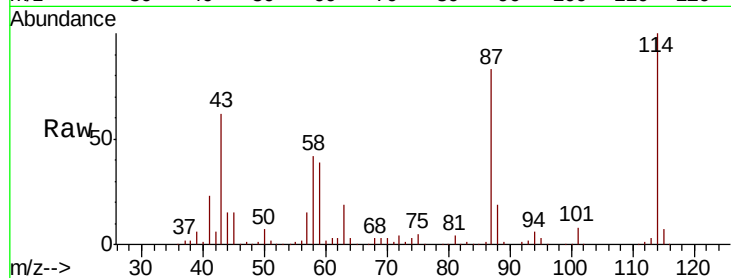




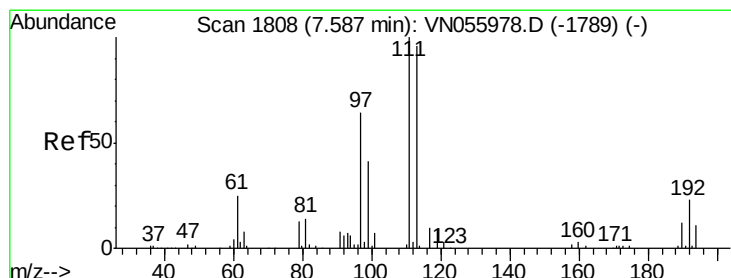
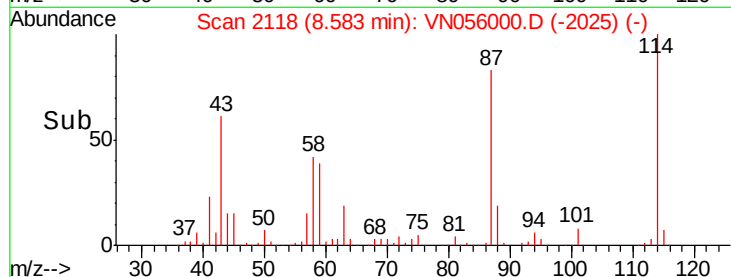
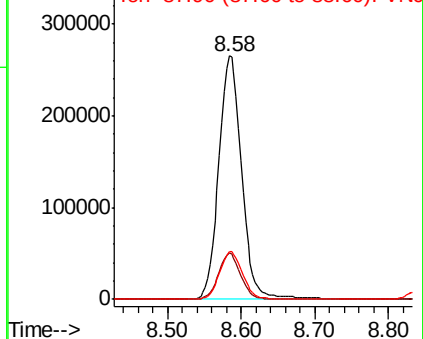
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 572180
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.2
88 19.4 0.0 31.0

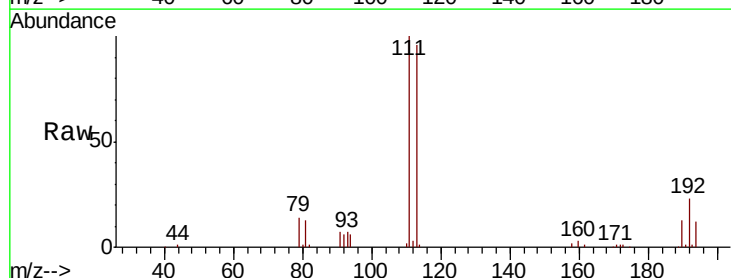


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

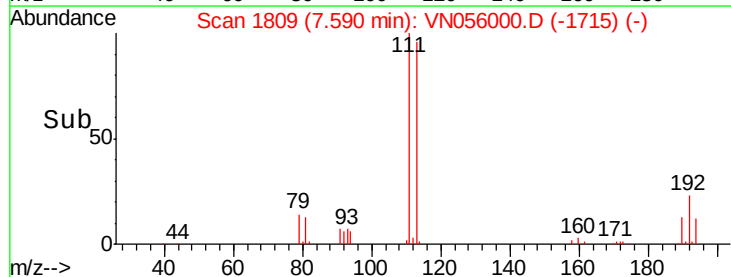
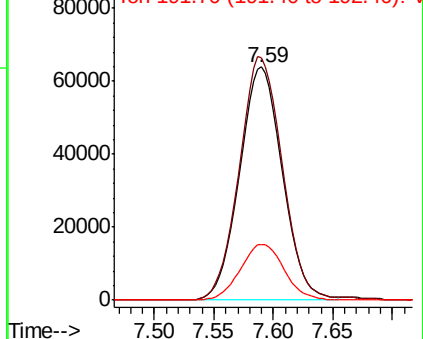


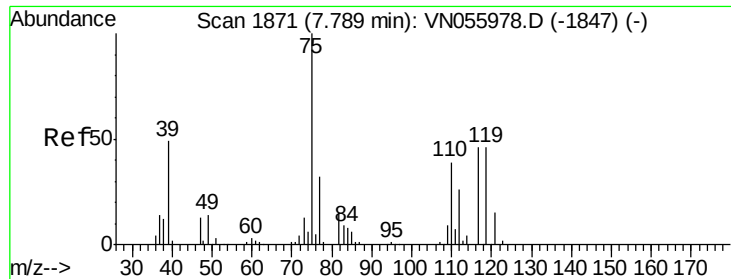
#35
Dibromofluoromethane
Concen: 45.429 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

Tgt Ion:113 Resp: 159480
Ion Ratio Lower Upper
113 100
111 105.7 81.9 122.9
192 24.4 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

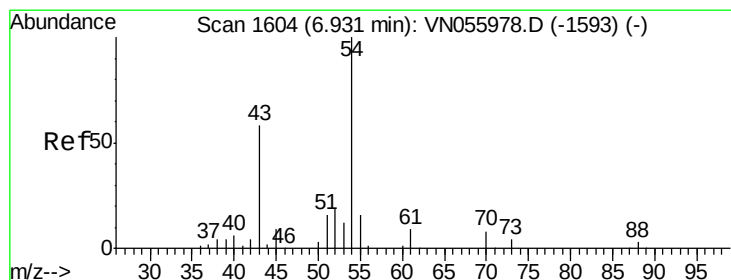
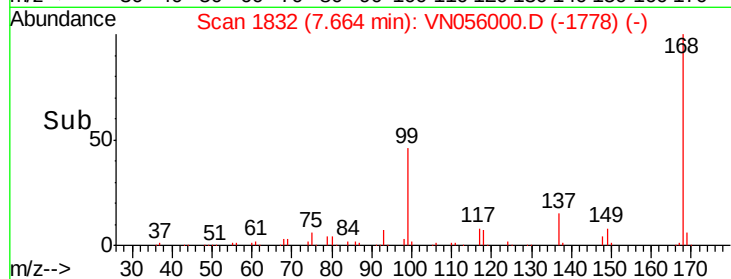
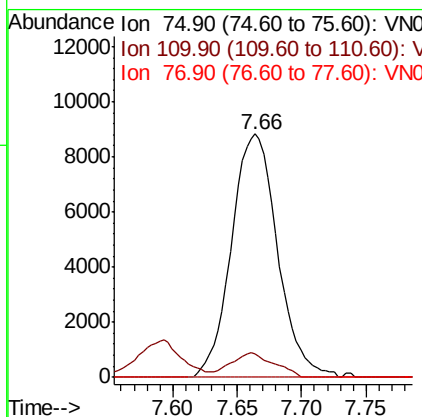
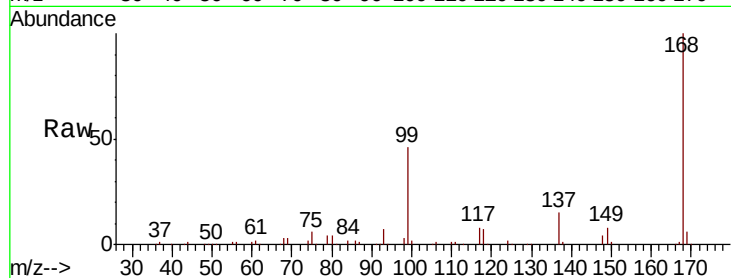




#36
 1,1-Dichloropropene
 Concen: 4.458 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056000.D
 Acq: 5 Jun 2019 11:11

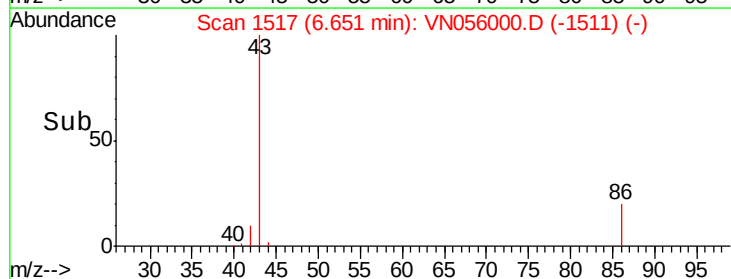
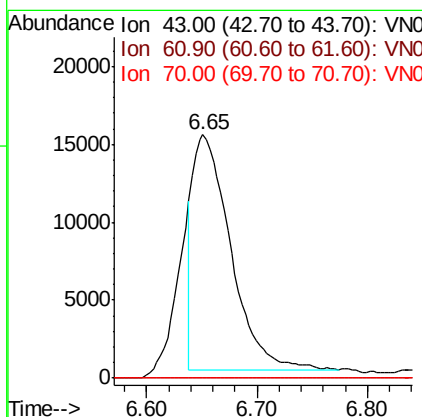
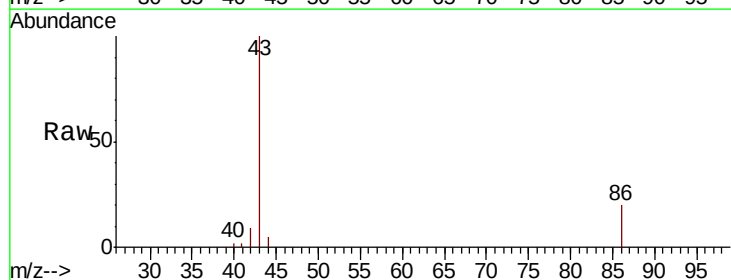
Instrument :
 MSVOA_N
 ClientSampleId :

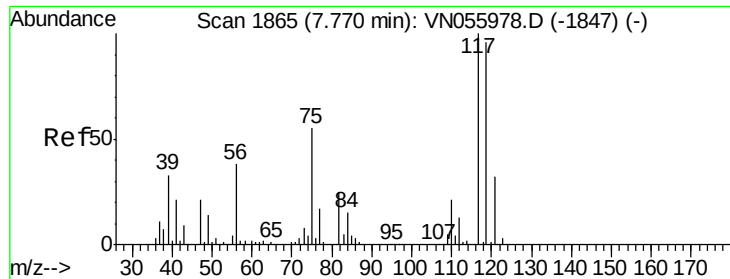
Tot Ion	75	Resp	21935
Ion Ratio	Lower	Upper	
75	100		
110	9.3	19.0	57.0#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 8.122 ug/l
 RT: 6.65 min Scan# 1517
 Delta R.T. -0.28 min
 Lab File: VN056000.D
 Acq: 5 Jun 2019 11:11

Tgt Ion	43	Resp	35553
Ion Ratio	Lower	Upper	
43	100		
61	0.0	12.2	18.2#
70	0.0	8.9	13.3#

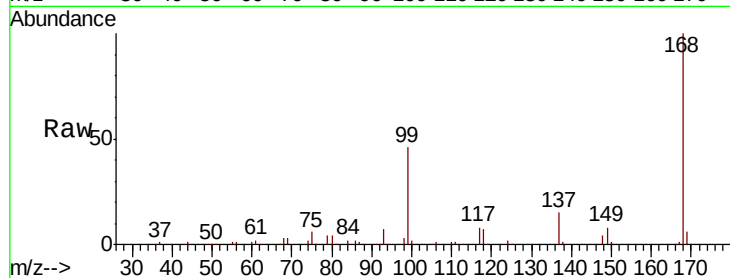




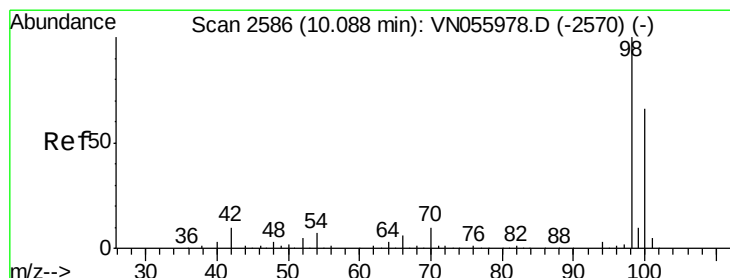
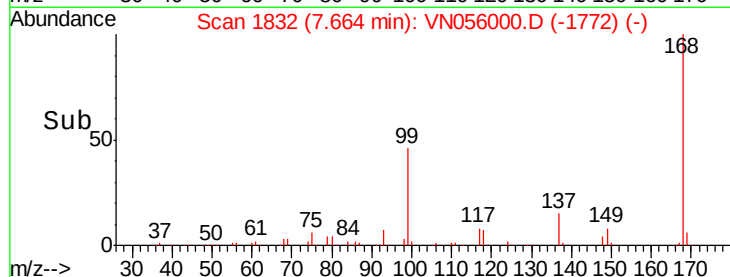
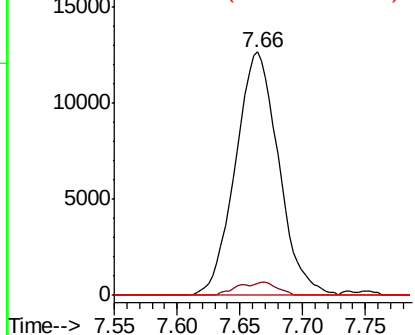
#38
Carbon Tetrachloride
Concen: 6.686 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 30328
Ion Ratio Lower Upper
117 100
119 4.9 79.0 118.6#
121 0.0 24.7 37.1#

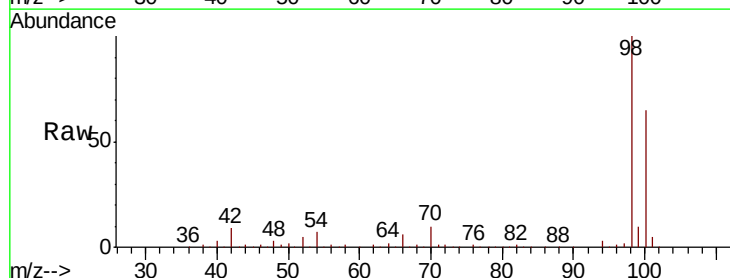


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

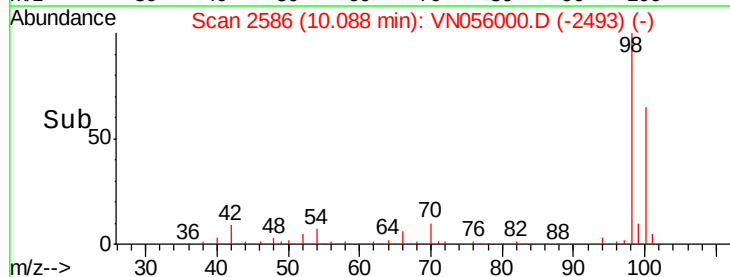
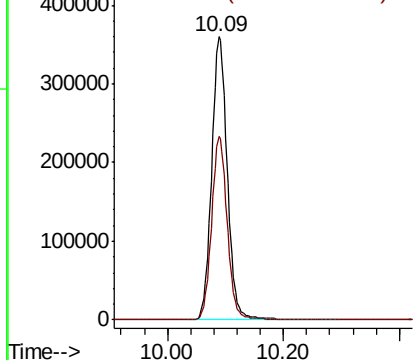


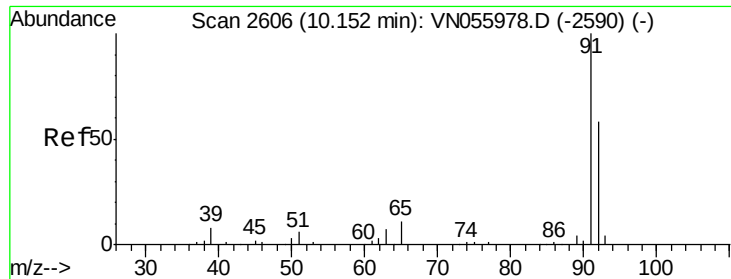
#50
Toluene-d8
Concen: 50.142 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

Tgt Ion: 98 Resp: 677347
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 1.011 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056000.D

Acq: 5 Jun 2019 11:11

Instrument :

MSVOA_N

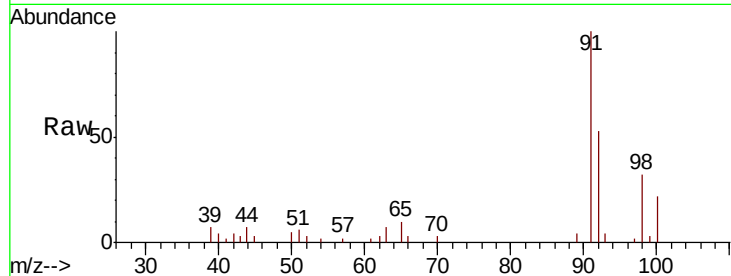
ClientSampled :

Tot Ion: 92 Resp: 9404

Ion Ratio Lower Upper

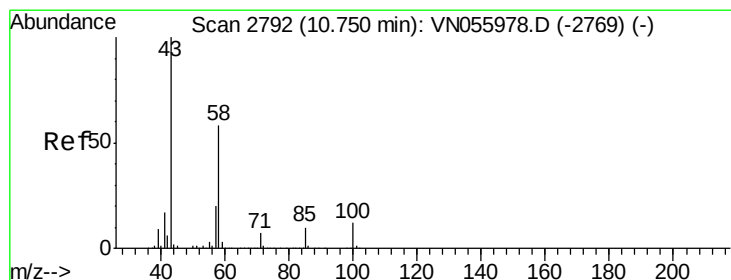
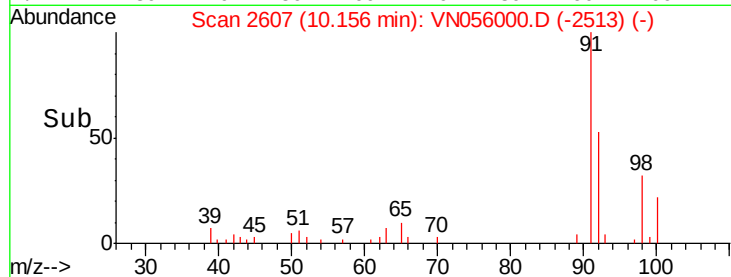
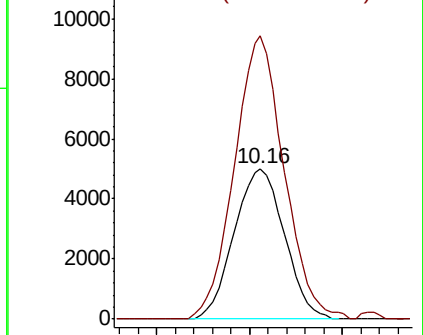
92 100

91 185.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#59

2-Hexanone

Concen: 0.391 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.25 min

Lab File: VN056000.D

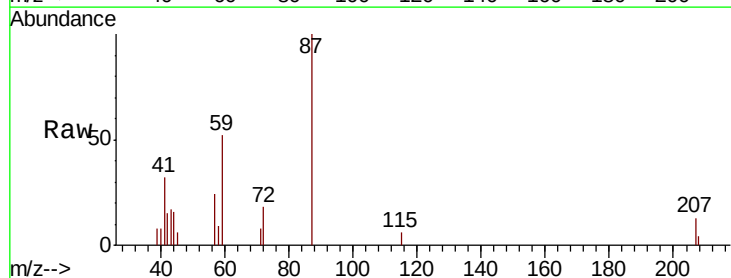
Acq: 5 Jun 2019 11:11

Tgt Ion: 43 Resp: 1257

Ion Ratio Lower Upper

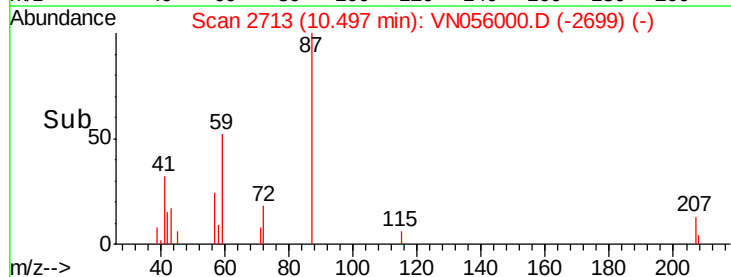
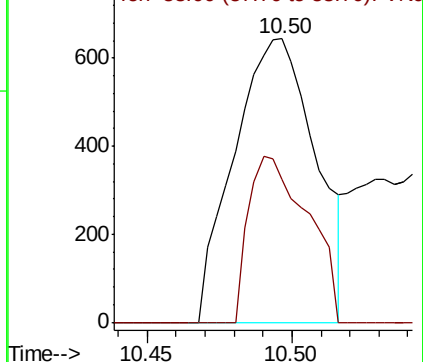
43 100

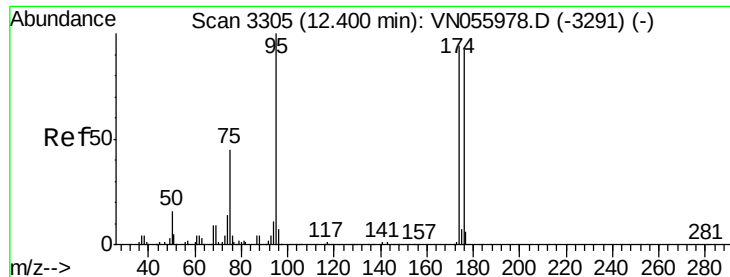
58 42.6 28.2 84.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

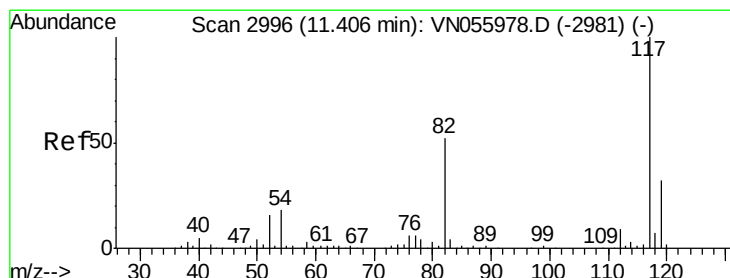
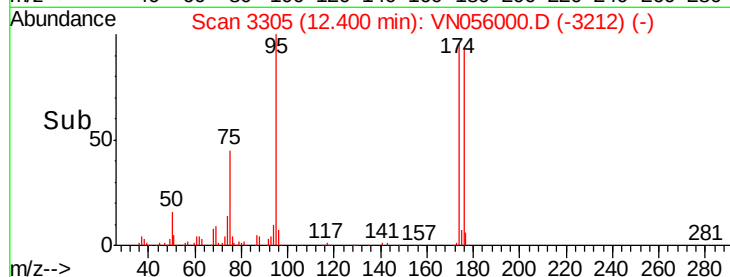
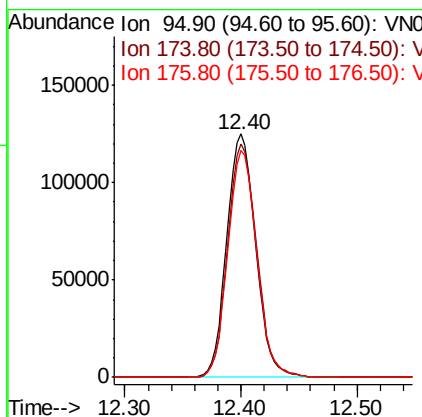
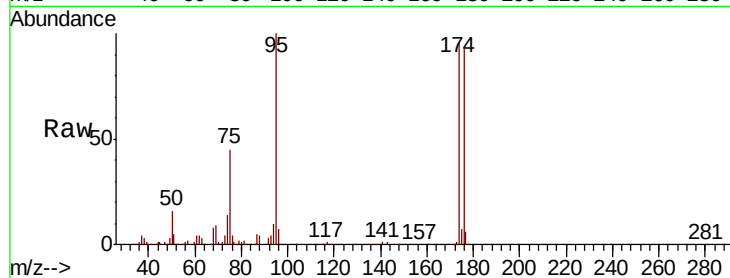




#62
4-Bromofluorobenzene
Concen: 46.811 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

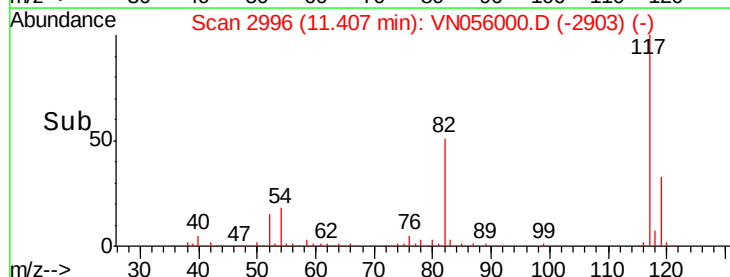
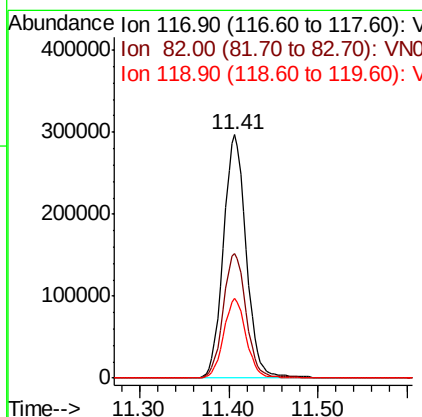
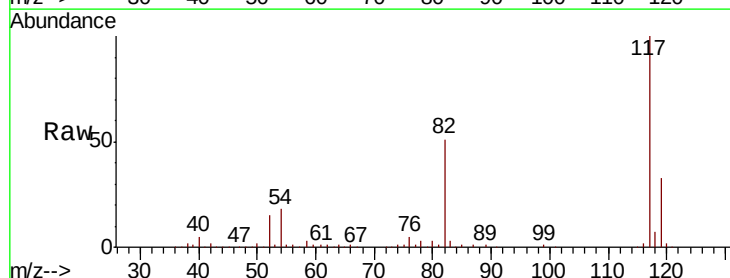
Instrument :
MSVOA_N
ClientSampleId :

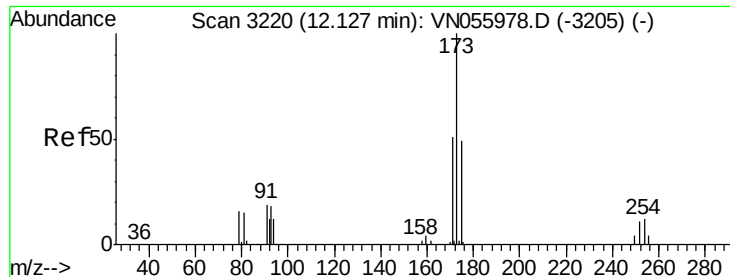
Tot Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	191.0
176	93.4	0.0	185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056000.D
Acq: 5 Jun 2019 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.8	62.8
119	32.5	25.4	38.0





#71

Bromoform

Concen: 3.216 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056000.D

Acq: 5 Jun 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

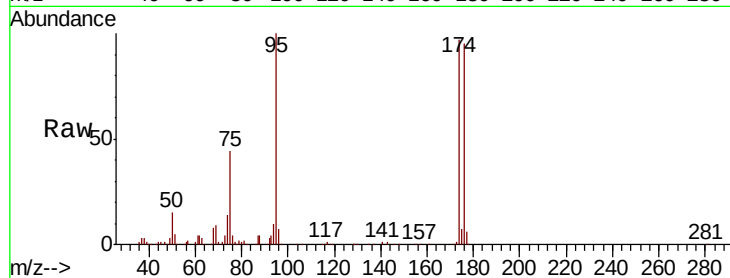
Tot Ion:173 Resp: 1522

Ion Ratio Lower Upper

173 100

175 845.2 24.3 72.8#

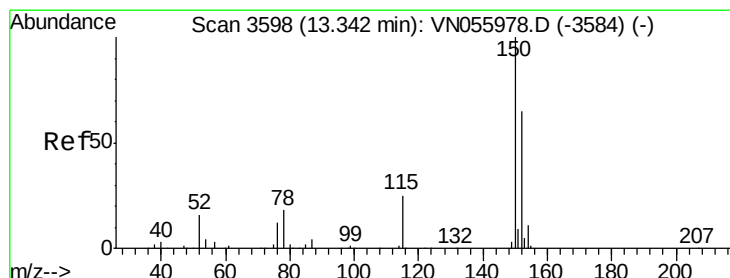
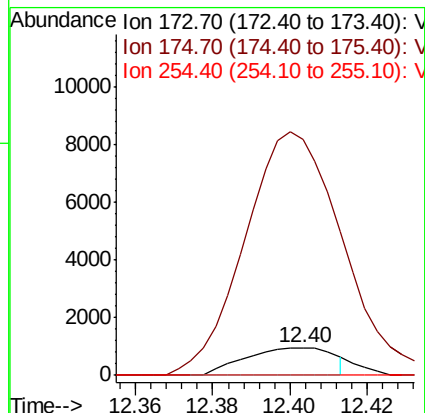
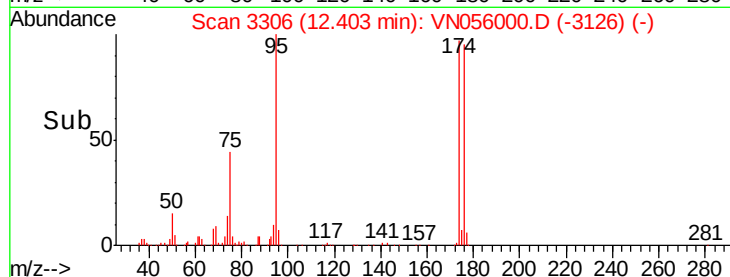
254 0.0 0.0 0.0



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: VN056000.D

Acq: 5 Jun 2019 11:11

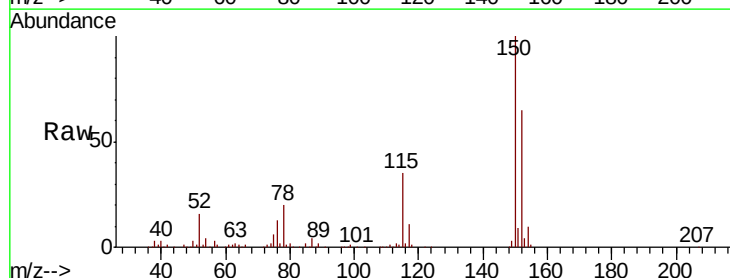
Tgt Ion:152 Resp: 174397

Ion Ratio Lower Upper

152 100

115 53.3 27.0 81.0

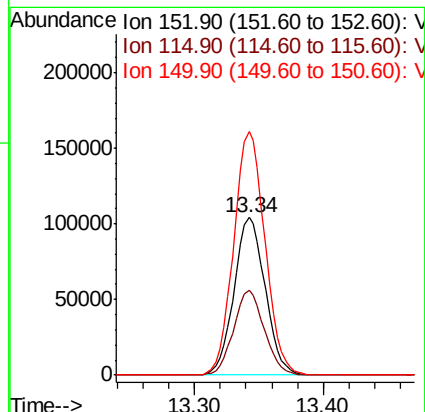
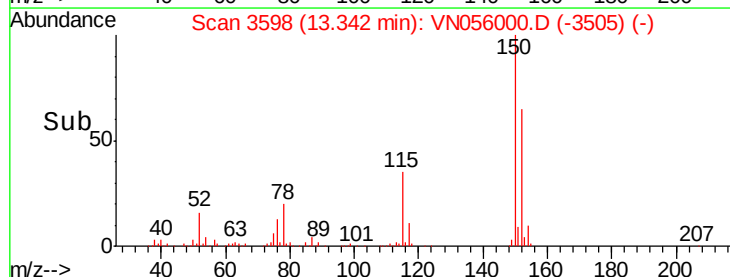
150 155.2 0.0 343.2

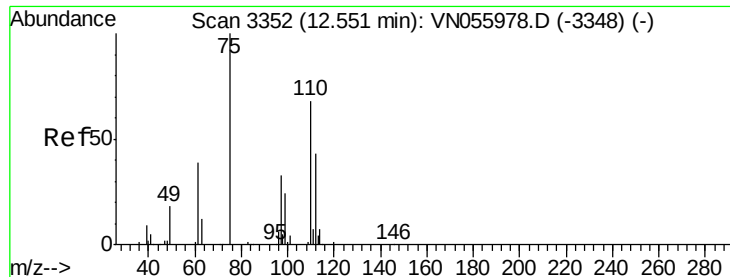


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.394 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056000.D

Acq: 5 Jun 2019 11:11

Instrument :

MSVOA_N

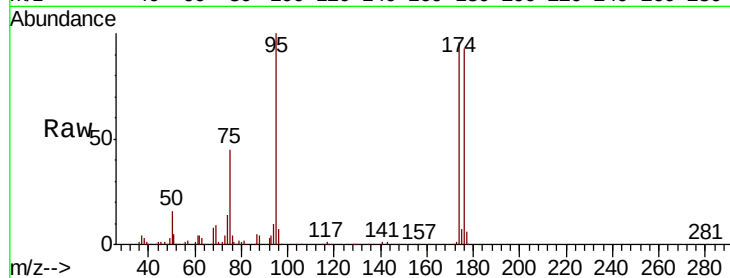
ClientSampled :

Tot Ion: 75 Resp: 97534

Ion Ratio Lower Upper

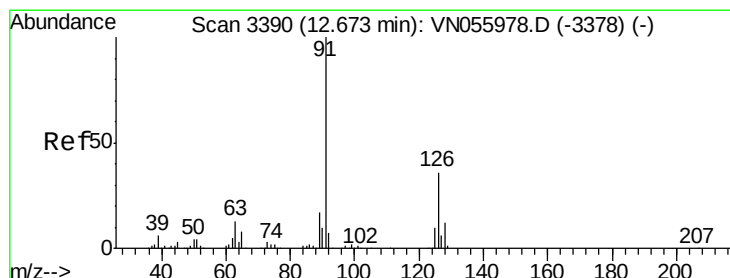
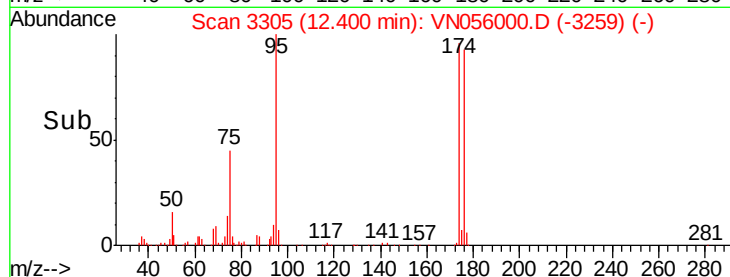
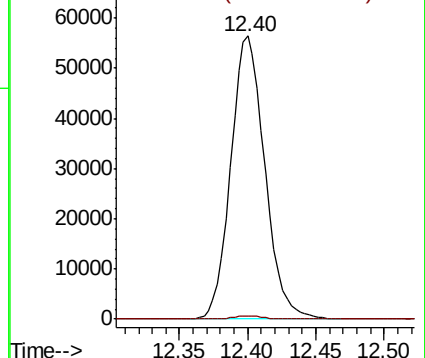
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN056000.D

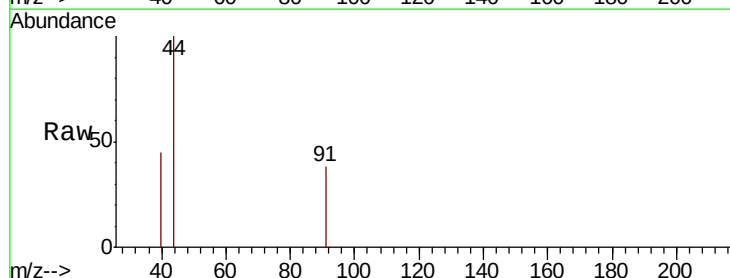
Acq: 5 Jun 2019 11:11

Tgt Ion: 91 Resp: 112

Ion Ratio Lower Upper

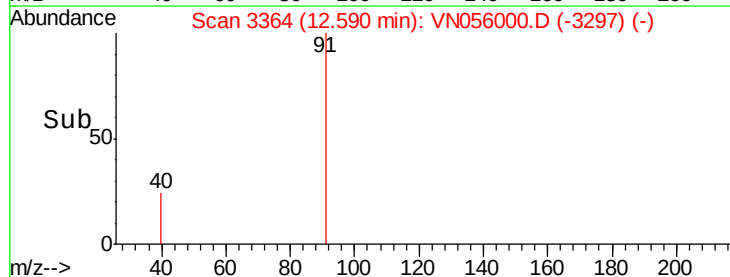
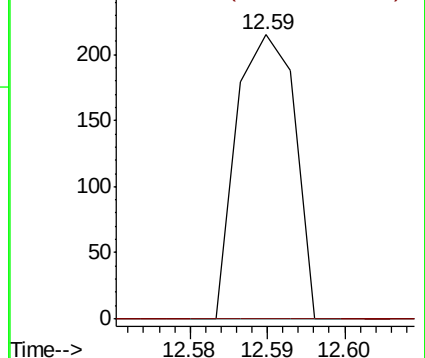
91 100

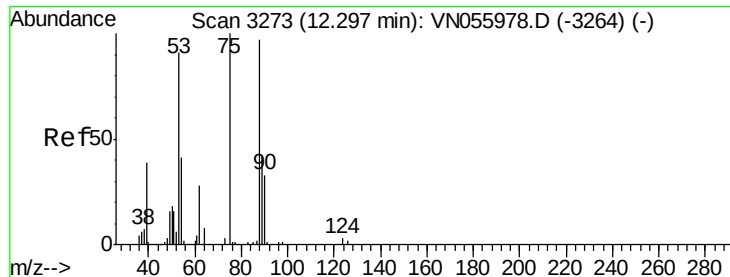
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 101.218 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056000.D

Acq: 5 Jun 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

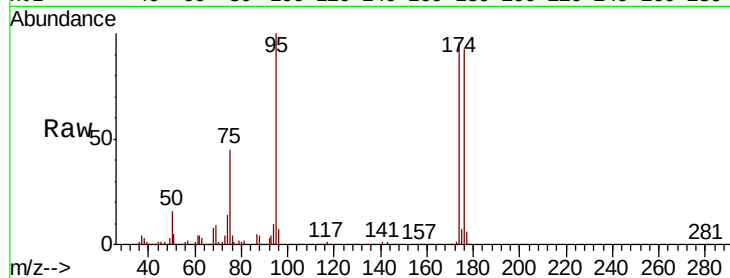
Tot Ion: 75 Resp: 97534

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

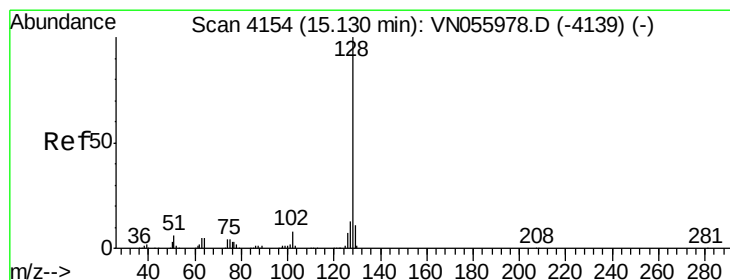
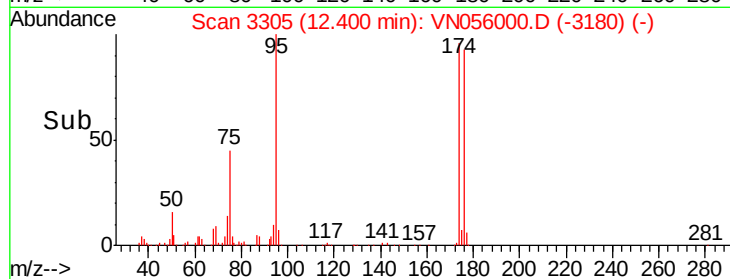
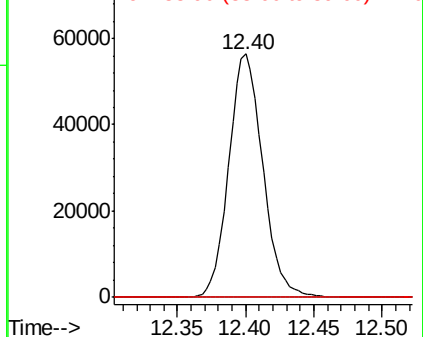
89 0.0 36.9 55.3#



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: 3.896 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056000.D

Acq: 5 Jun 2019 11:11

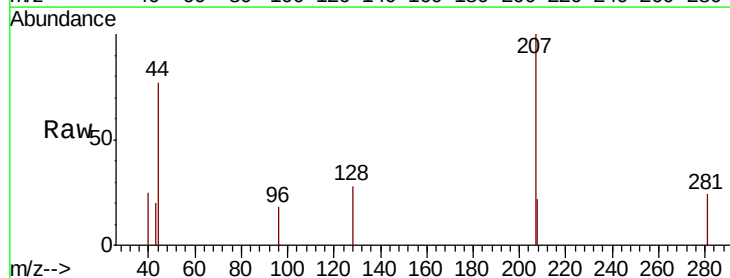
Tgt Ion: 128 Resp: 402

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



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

