

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055983.D
 Acq On : 4 Jun 2019 11:54
 Operator : JC/SP
 Sample : VN0604MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBL01

Quant Time: Jun 05 01:12:51 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

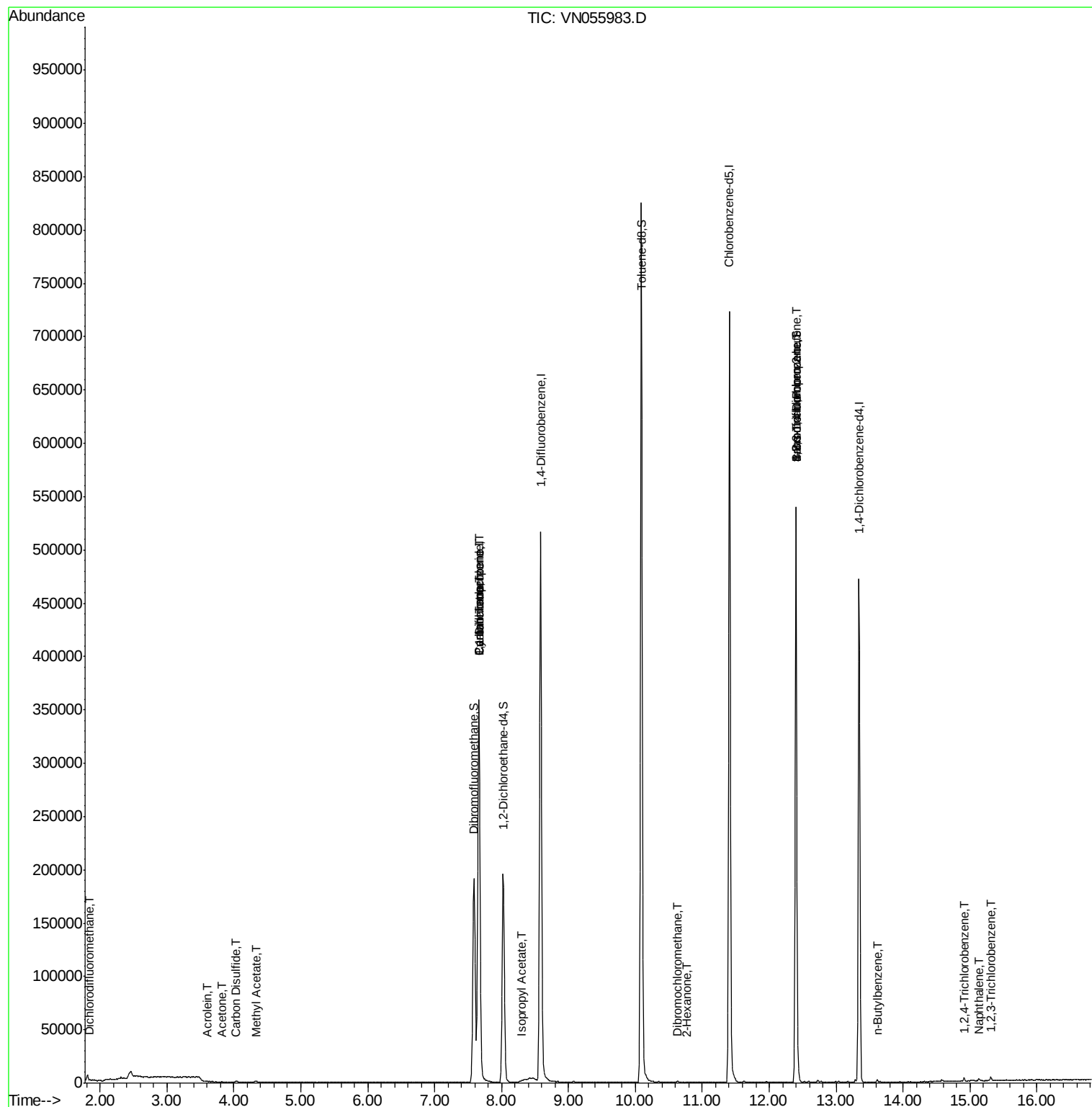
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	343767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	468745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145247	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	165450	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	7.59	113	149720	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
50) Toluene-d8	10.09	98	609269	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	188461	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	140	0.391	ug/l #	42
13) Acrolein	3.60	56	168	0.981	ug/l #	15
16) Acetone	3.82	43	591	0.362	ug/l #	41
17) Carbon Disulfide	4.04	76	1611	0.233	ug/l #	74
18) Methyl Acetate	4.33	43	2546	0.218	ug/l #	56
31) Cyclohexane	7.66	56	5247	0.969	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20061	4.526	ug/l #	42
38) Carbon Tetrachloride	7.66	117	28242	6.911	ug/l #	15
43) Isopropyl Acetate	8.29	43	1565	0.245	ug/l #	53
59) 2-Hexanone	10.76	43	728	0.251	ug/l #	42
60) Dibromochloromethane	10.63	129	197	2.503	ug/l #	11
71) Bromoform	12.40	173	1197	3.160	ug/l #	1
73) Isopropylbenzene	12.25	105	768	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	85929	32.152	ug/l #	100
79) 2-Chlorotoluene	12.78	91	799	Below Cal		89
81) trans-1,4-Dichloro-2-buten	12.40	75	85929	107.071	ug/l #	15
83) tert-Butylbenzene	12.99	119	619	Below Cal	#	72
89) n-Butylbenzene	13.61	91	1651	0.229	ug/l	90
93) 1,2,4-Trichlorobenzene	14.91	180	1249	4.696	ug/l	92
94) Hexachlorobutadiene	15.01	225	482	Below Cal	#	57
95) Naphthalene	15.13	128	2568	4.192	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	1517	3.553	ug/l	94

(#) = 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: VN055983.D

Acq: 4 Jun 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

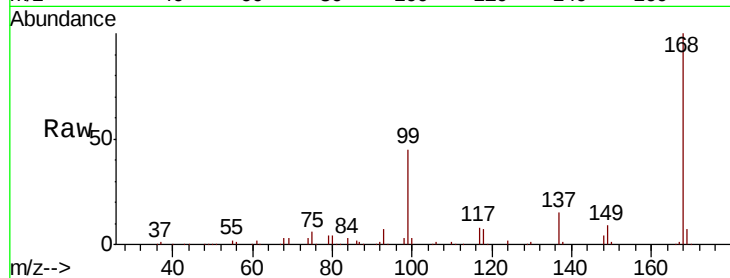
VN0604MBL01

Tot Ion:168 Resp: 343767

Ion Ratio Lower Upper

168 100

99 45.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

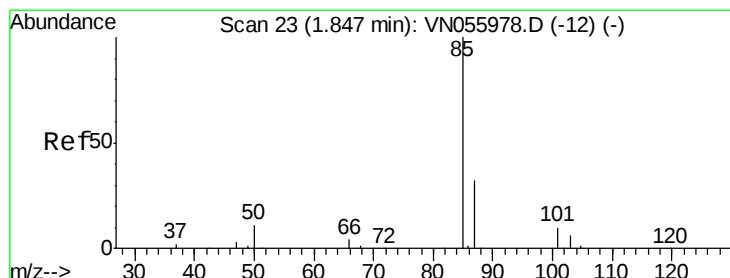
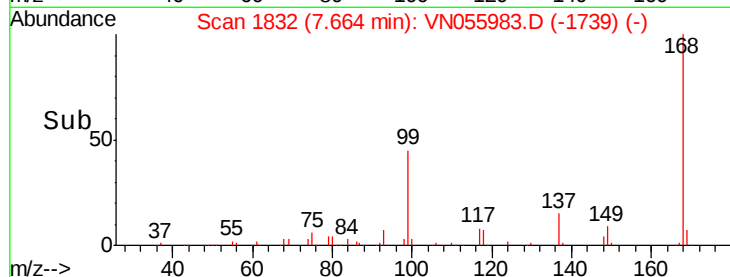
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.391 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055983.D

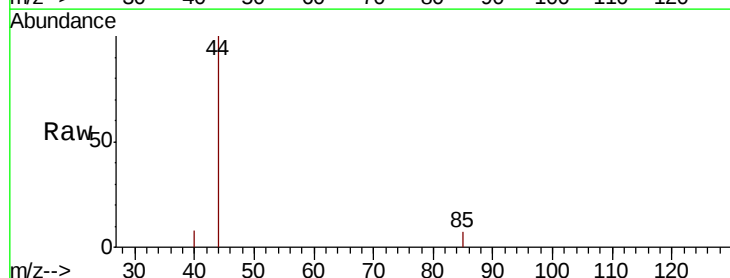
Acq: 4 Jun 2019 11:54

Tgt Ion: 85 Resp: 140

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200

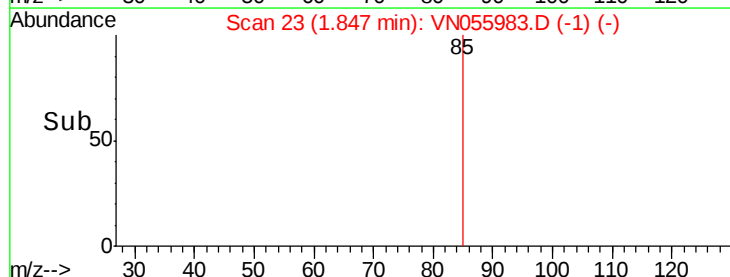
150

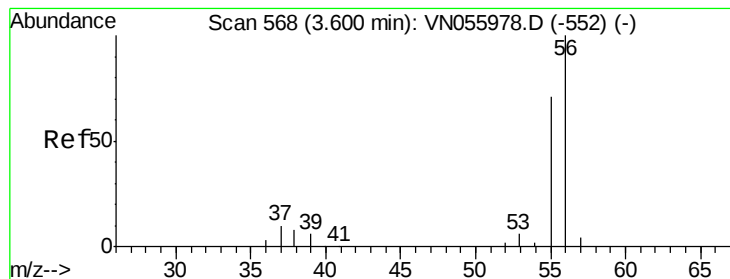
100

50

0

Time-->





#13

Acrolein

Concen: 0.981 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055983.D

Acq: 4 Jun 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

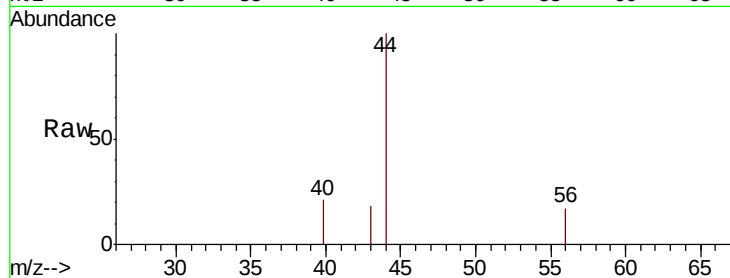
VN0604MBL01

Tot Ion: 56 Resp: 168

Ion Ratio Lower Upper

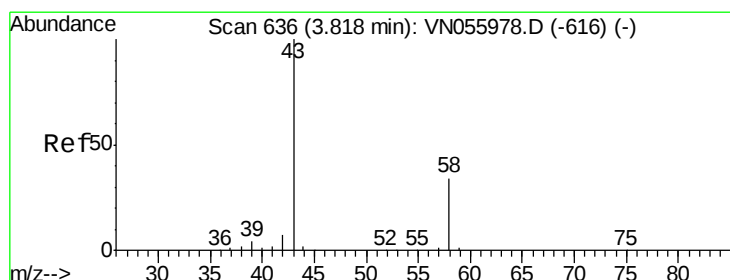
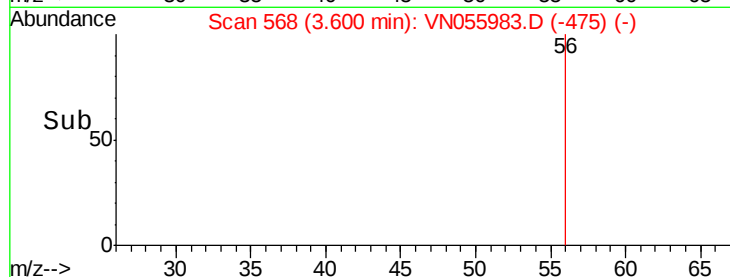
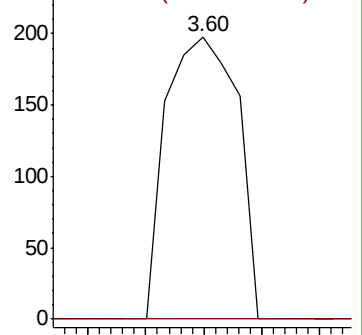
56 100

55 0.0 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.362 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055983.D

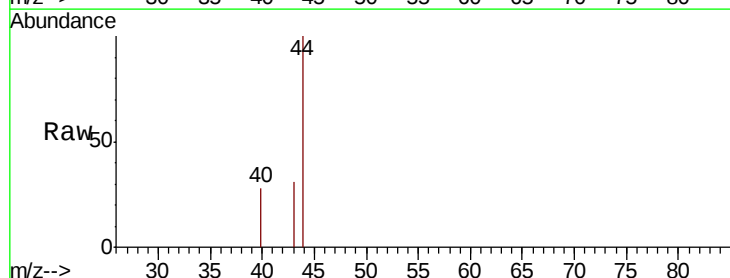
Acq: 4 Jun 2019 11:54

Tgt Ion: 43 Resp: 591

Ion Ratio Lower Upper

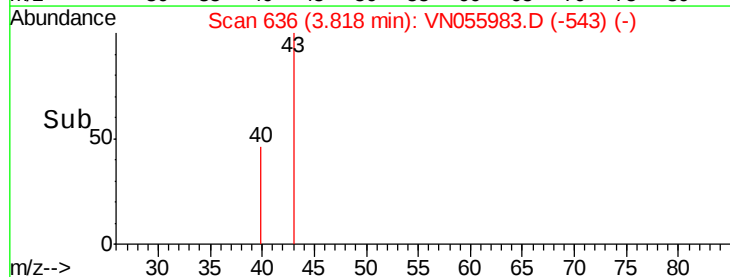
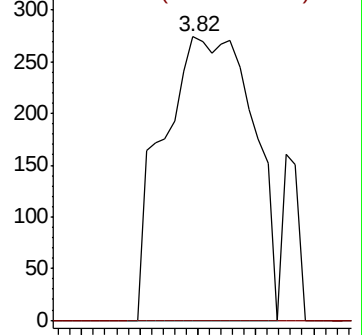
43 100

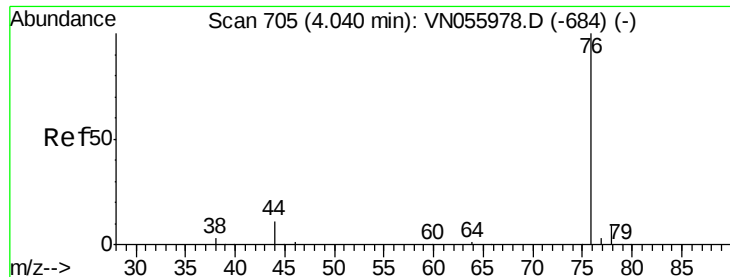
58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

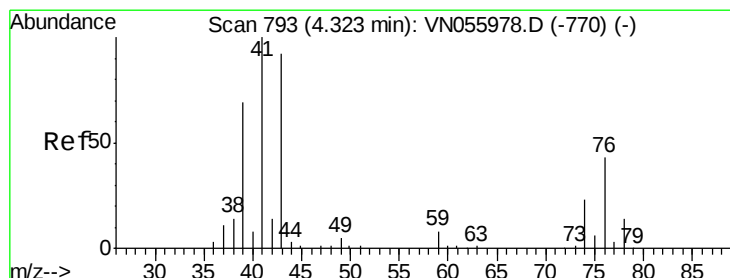
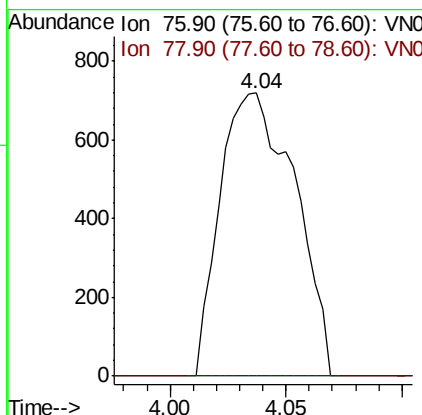
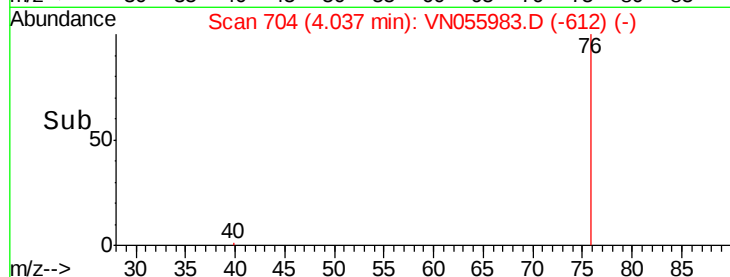
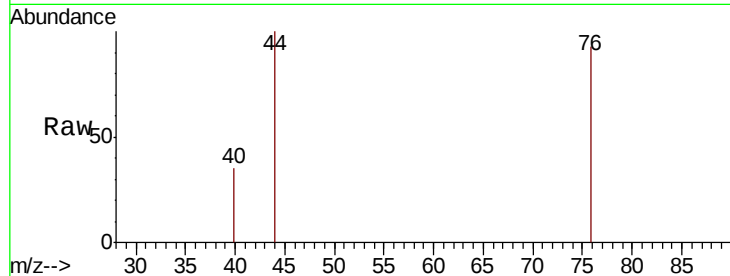




#17
Carbon Disulfide
Concen: 0.233 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

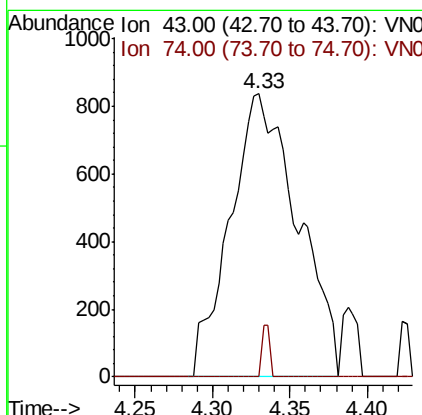
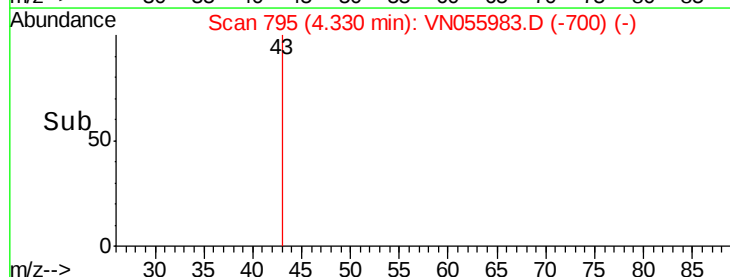
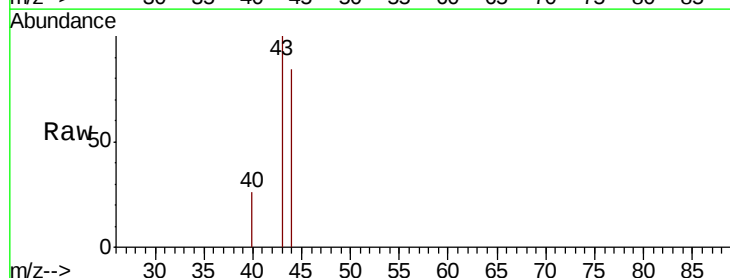
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBL01

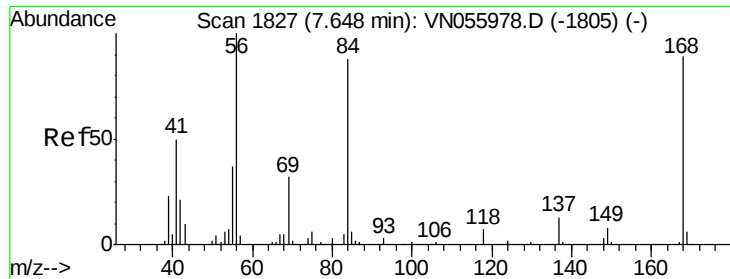
Tot Ion: 76 Resp: 1611
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

Tgt Ion: 43 Resp: 2546
Ion Ratio Lower Upper
43 100
74 2.3 19.3 28.9#

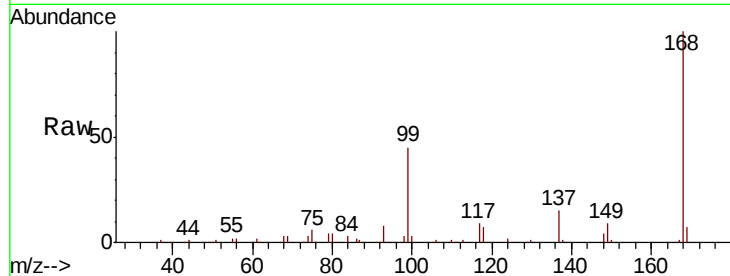




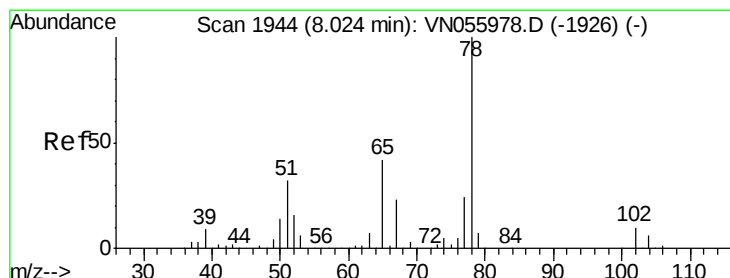
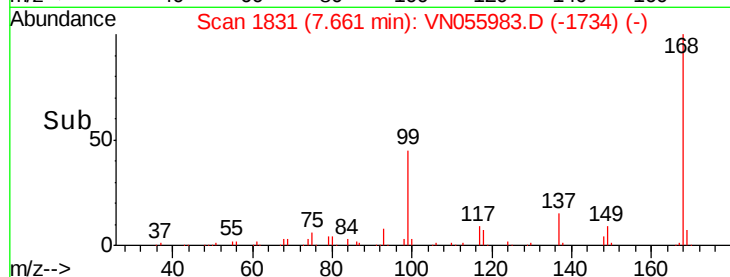
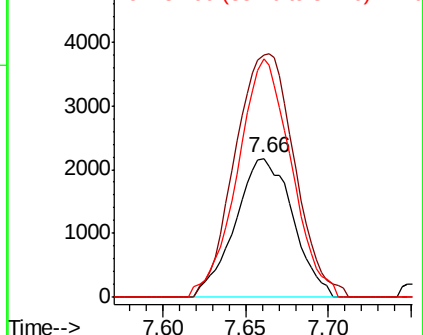
#31
Cyclohexane
Concen: 0.969 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBL01

Tot Ion: 56 Resp: 5247
Ion Ratio Lower Upper
56 100
69 174.3 25.6 38.4#
84 171.6 67.4 101.0#

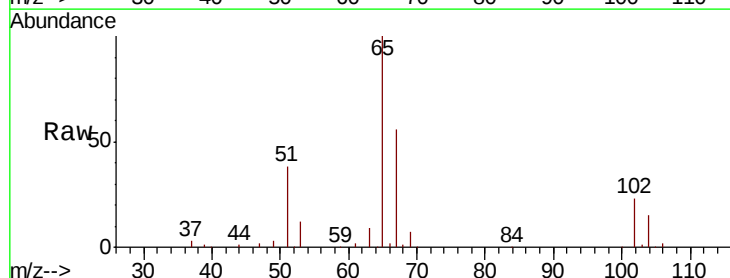


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

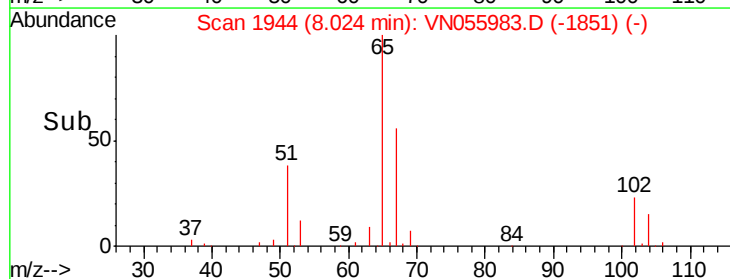
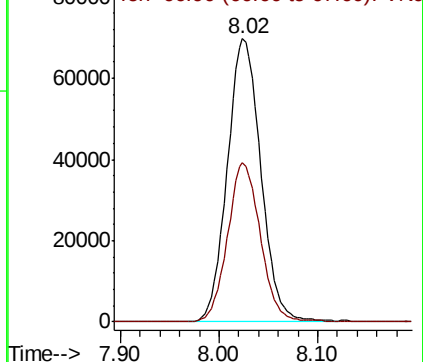


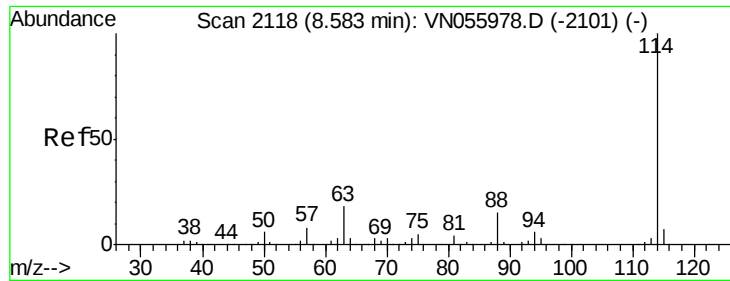
#33
1,2-Dichloroethane-d4
Concen: 48.472 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

Tgt Ion: 65 Resp: 165450
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

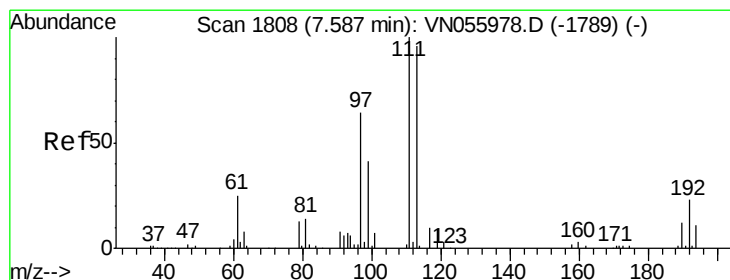
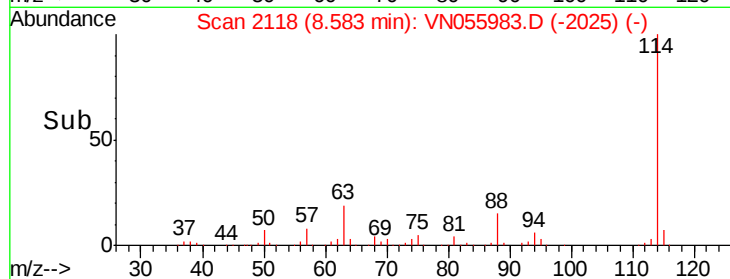
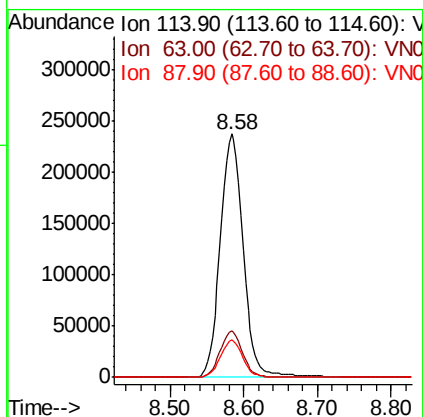
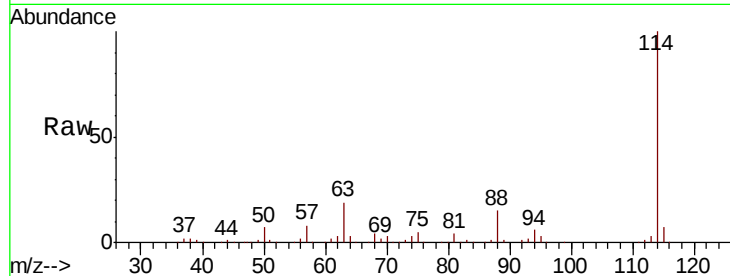




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055983.D
 Acq: 4 Jun 2019 11:54

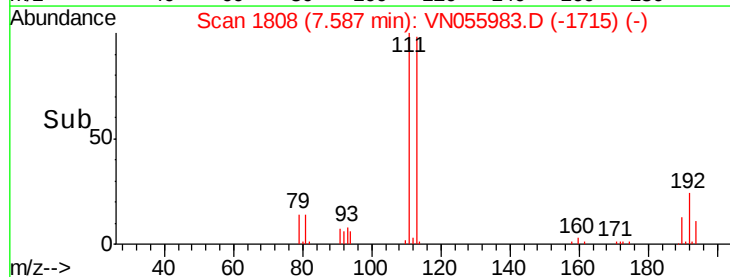
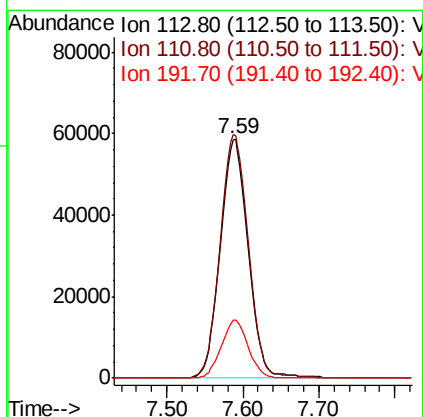
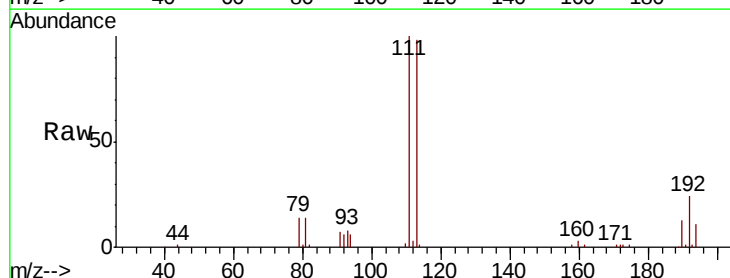
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBL01

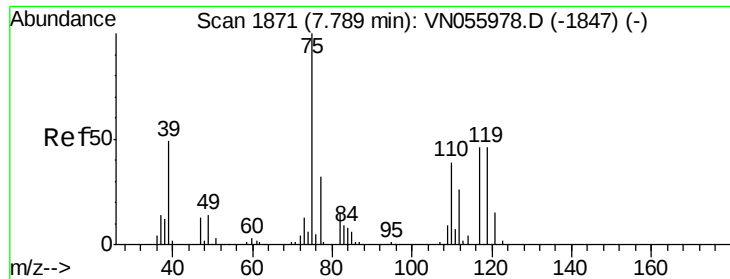
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.2
88	15.3	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 47.340 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN055983.D
 Acq: 4 Jun 2019 11:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	23.3	19.5	29.3

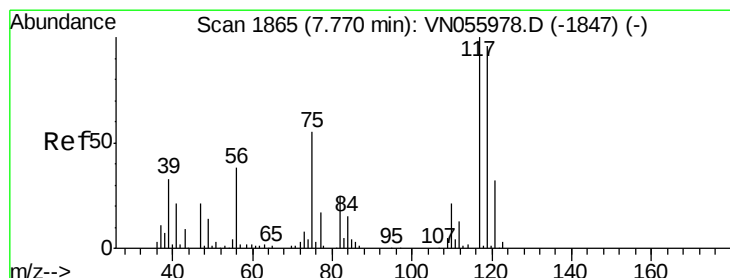
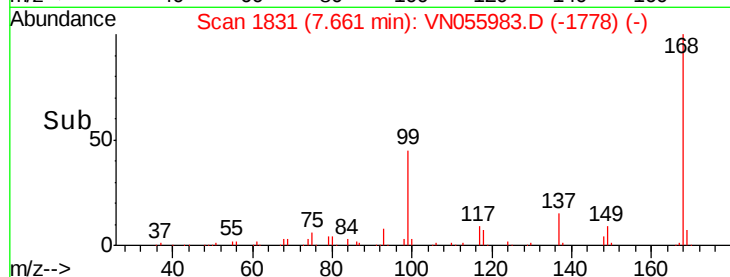
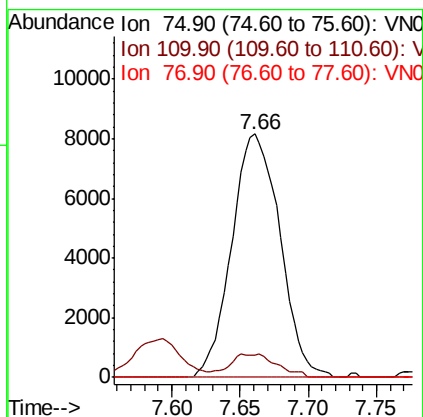
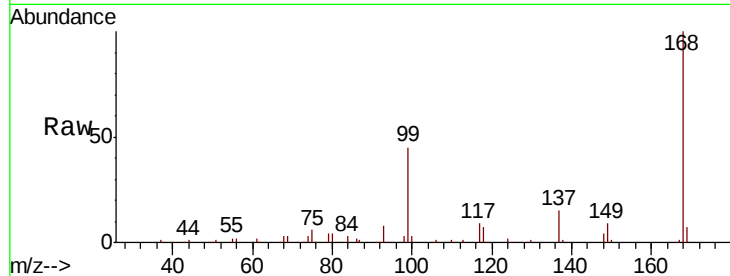




#36
 1,1-Dichloropropene
 Concen: 4.526 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055983.D
 Acq: 4 Jun 2019 11:54

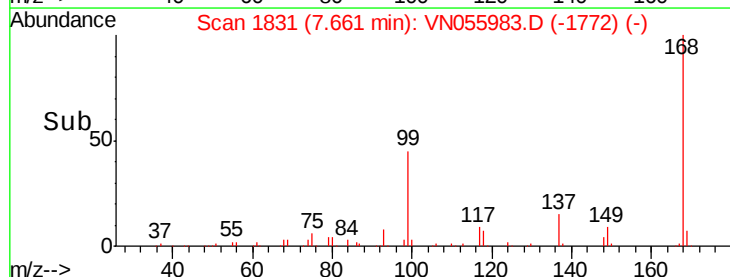
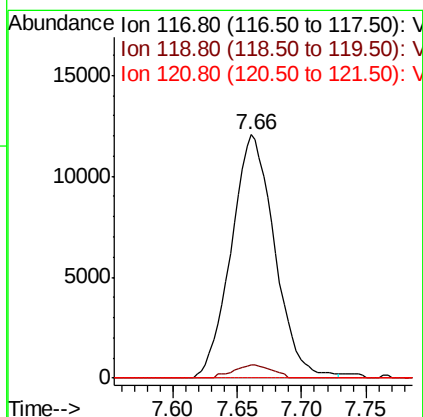
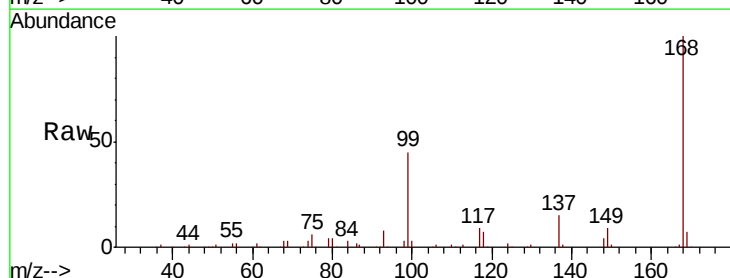
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBL01

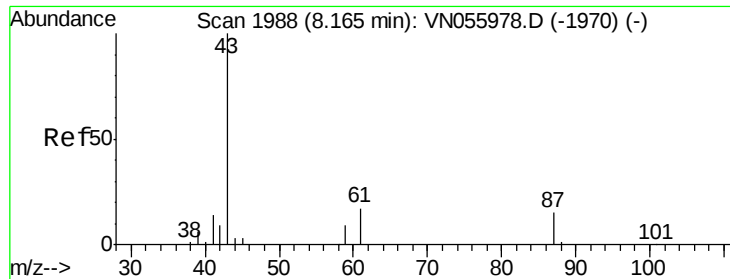
Tot Ion	75	Resp	20061
Ion Ratio	Lower	Upper	
75	100		
110	2.6	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.911 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN055983.D
 Acq: 4 Jun 2019 11:54

Tgt Ion	117	Resp	28242
Ion Ratio	Lower	Upper	
117	100		
119	5.4	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.245 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN055983.D

Acq: 4 Jun 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VN0604MBL01

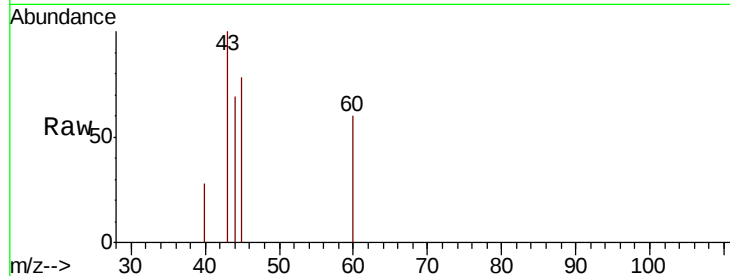
Tot Ion: 43 Resp: 1565

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

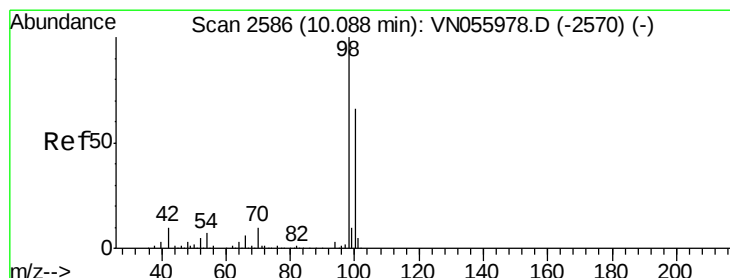
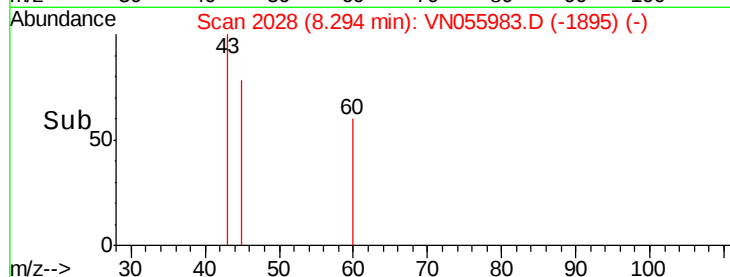
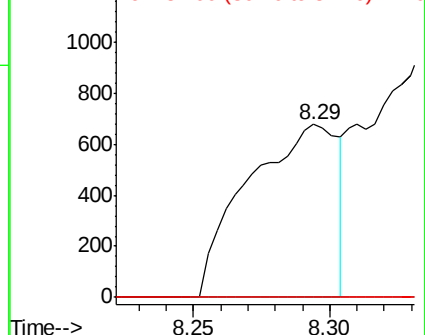
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 50.063 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055983.D

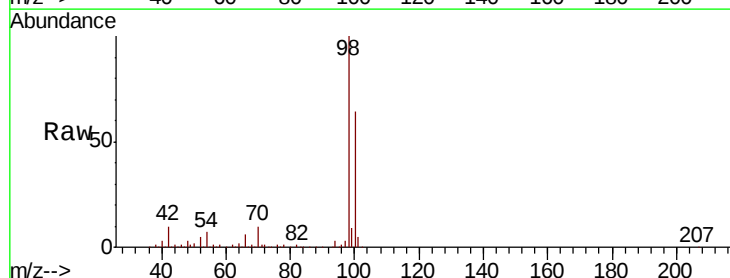
Acq: 4 Jun 2019 11:54

Tgt Ion: 98 Resp: 609269

Ion Ratio Lower Upper

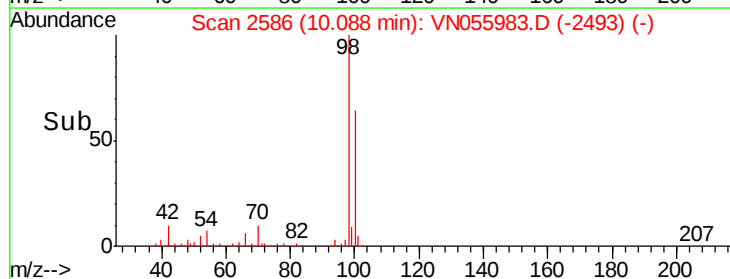
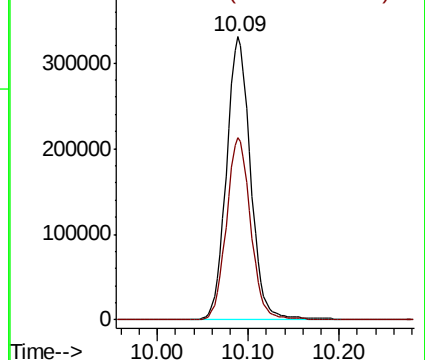
98 100

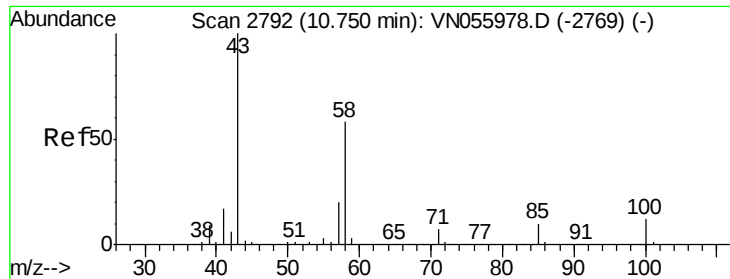
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

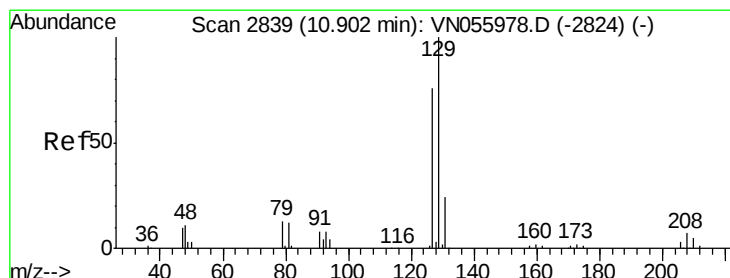
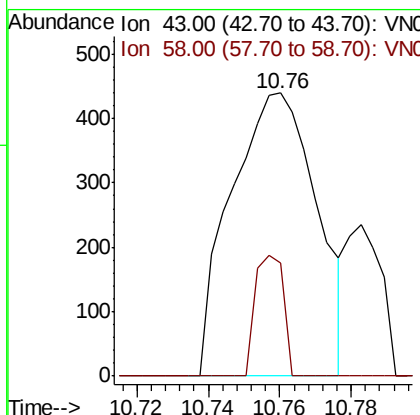
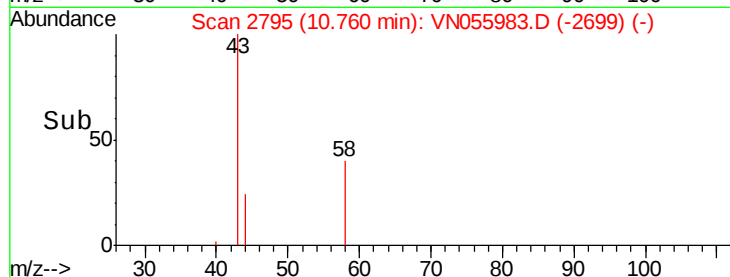
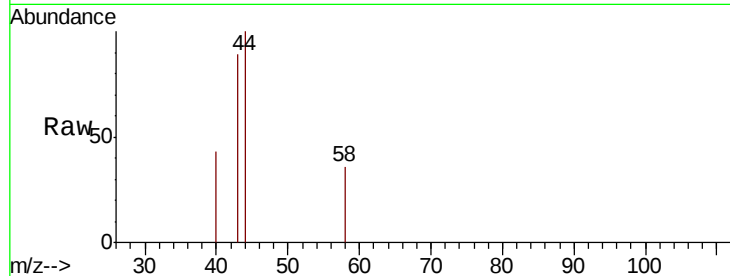




#59
2-Hexanone
Concen: 0.251 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

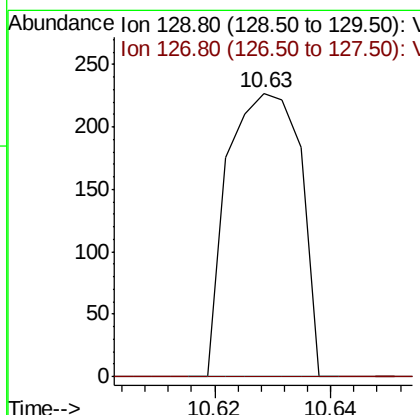
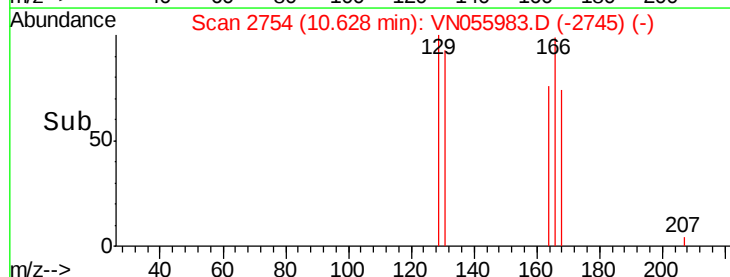
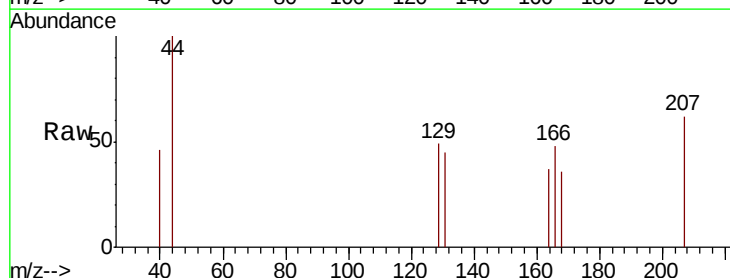
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBL01

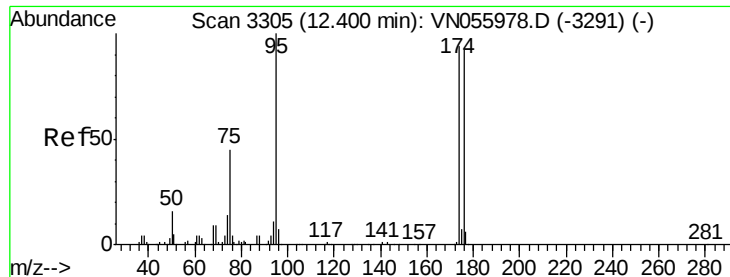
Tot Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
58 14.0 28.2 84.7#



#60
Dibromochloromethane
Concen: 2.503 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

Tgt Ion: 129 Resp: 197
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#

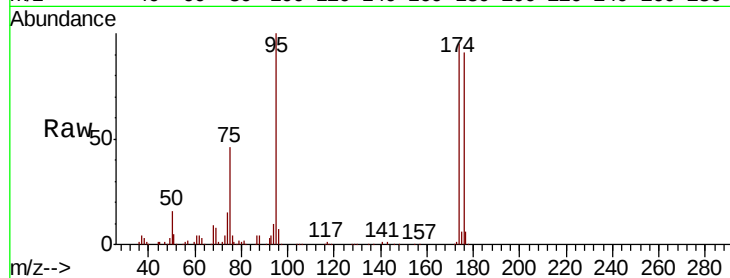




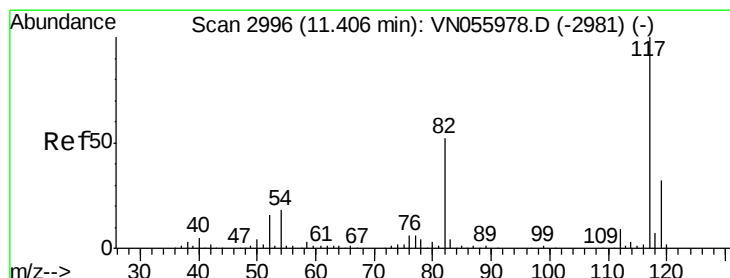
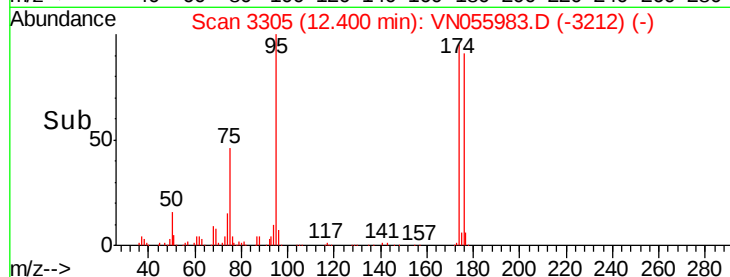
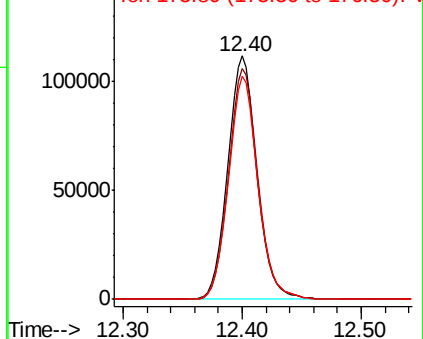
#62
4-Bromofluorobenzene
Concen: 45.536 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBL01

Tot Ion: 95 Resp: 188461
Ion Ratio Lower Upper
95 100
174 95.8 0.0 191.0
176 92.2 0.0 185.2

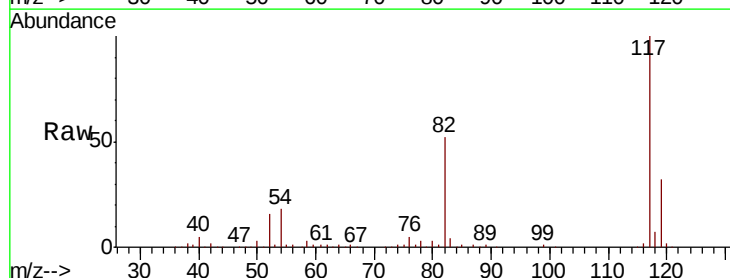


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): VN0
Ion 175.80 (175.50 to 176.50): VN0

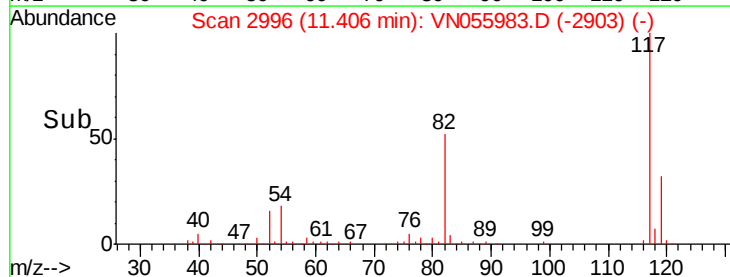
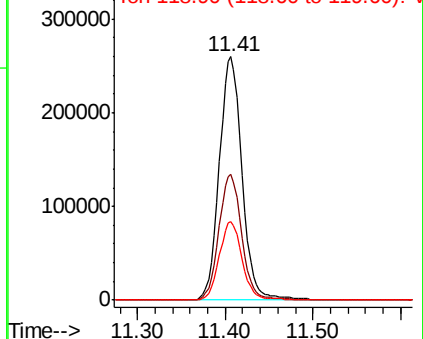


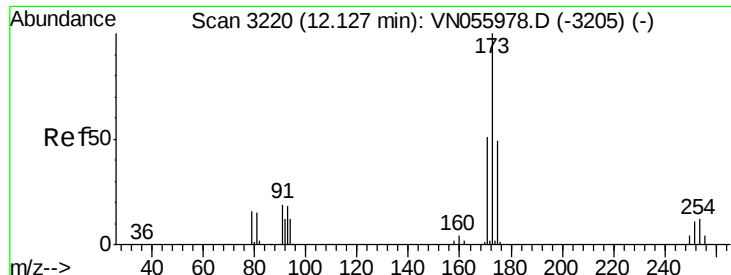
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

Tgt Ion: 117 Resp: 468745
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.8
119 32.5 25.4 38.0



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





#71

Bromoform

Concen: 3.160 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055983.D

Acq: 4 Jun 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBL01

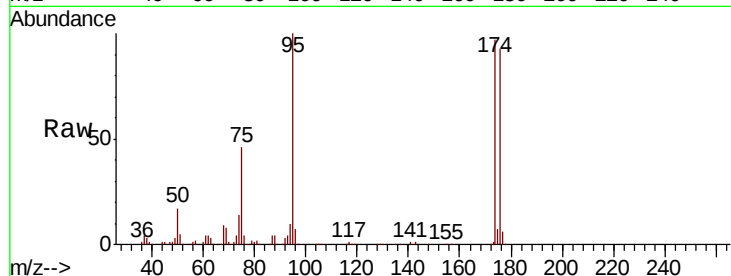
Tot Ion:173 Resp: 1197

Ion Ratio Lower Upper

173 100

175 915.1 24.3 72.8#

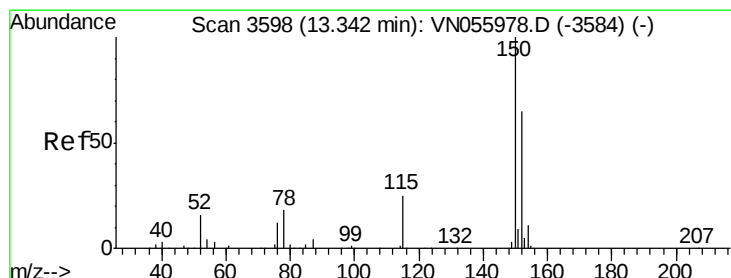
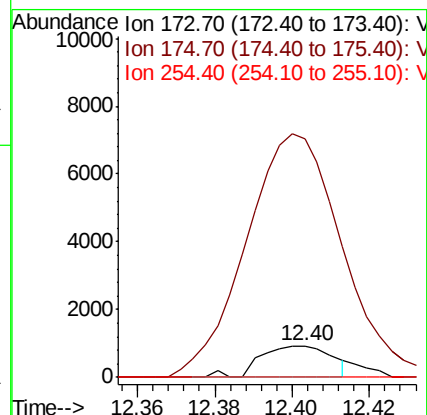
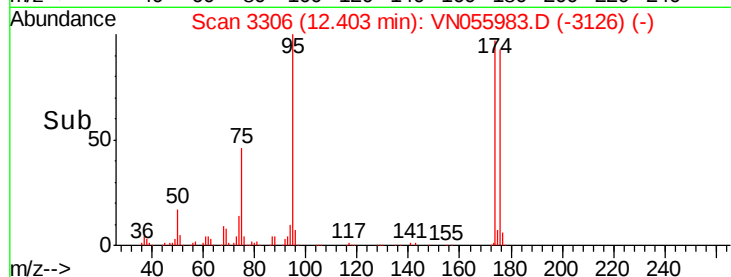
254 0.0 0.0 0.0



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: VN055983.D

Acq: 4 Jun 2019 11:54

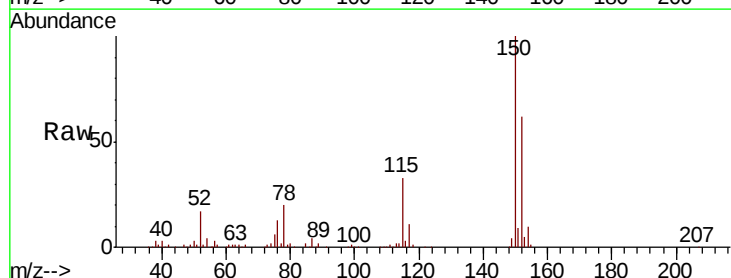
Tgt Ion:152 Resp: 145247

Ion Ratio Lower Upper

152 100

115 53.4 27.0 81.0

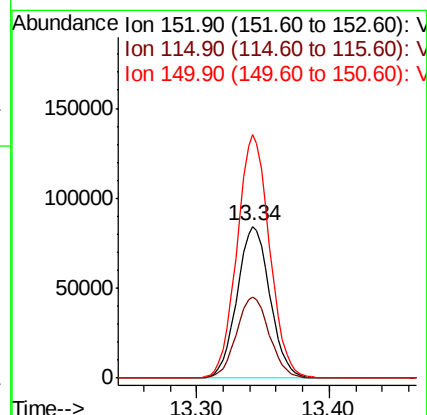
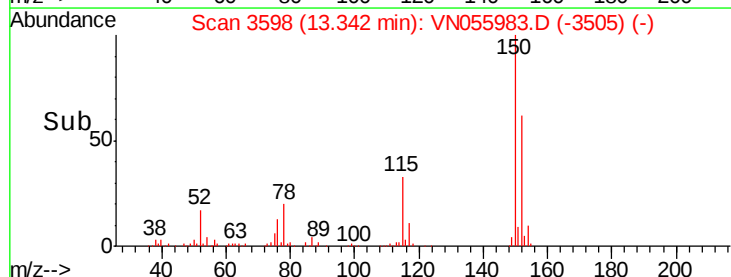
150 158.4 0.0 343.2

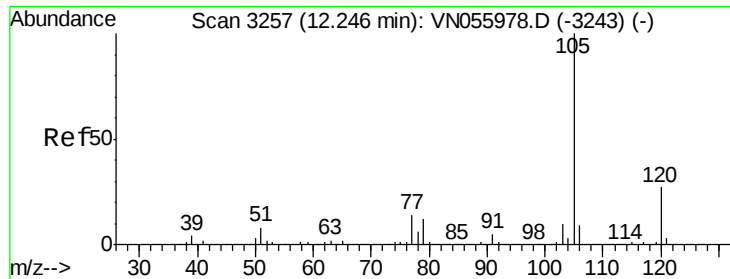


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055983.D

Acq: 4 Jun 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

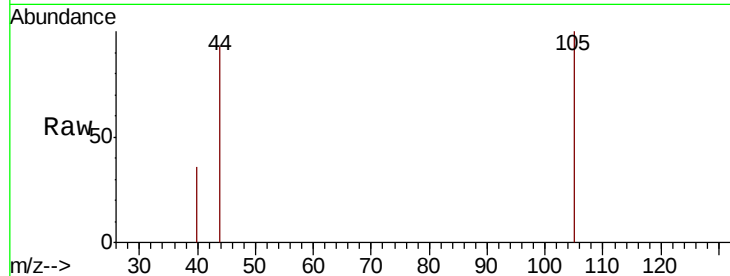
VN0604MBL01

Tot Ion:105 Resp: 768

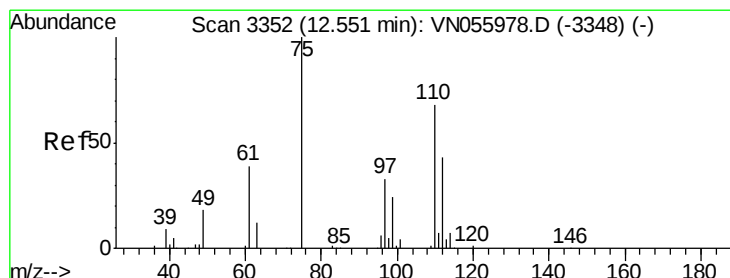
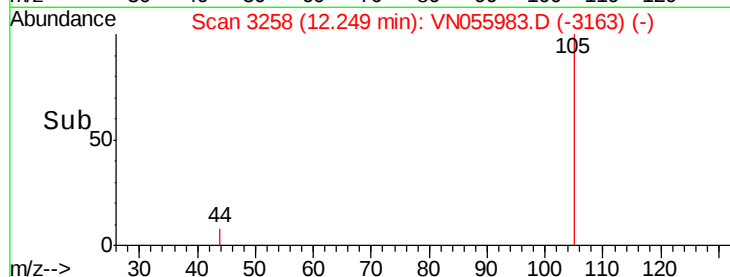
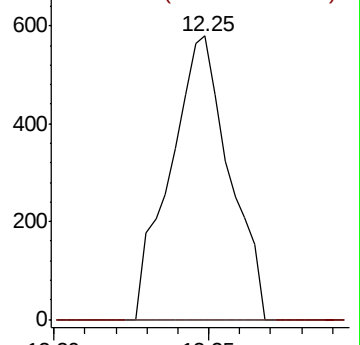
Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V



#76

1,2,3-Trichloropropane

Concen: 32.152 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055983.D

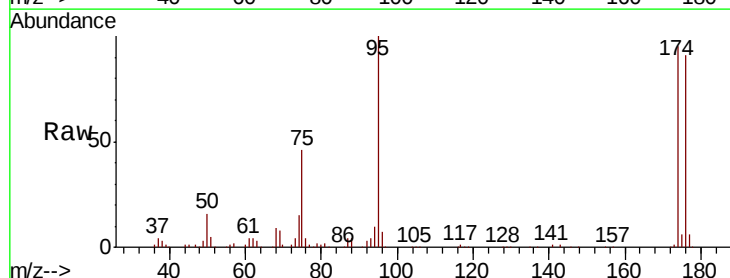
Acq: 4 Jun 2019 11:54

Tgt Ion: 75 Resp: 85929

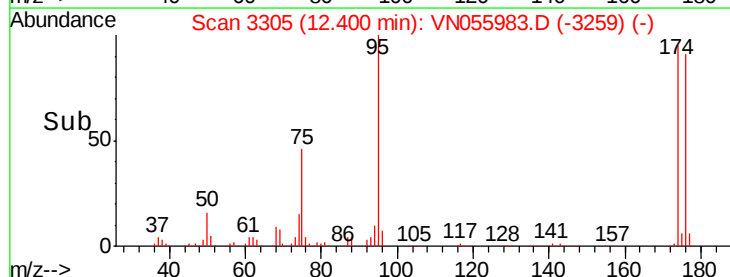
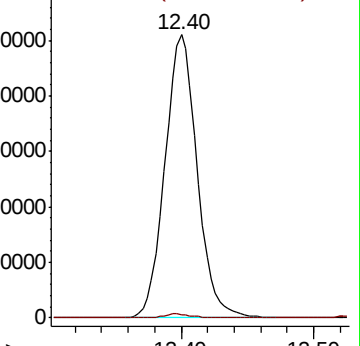
Ion Ratio Lower Upper

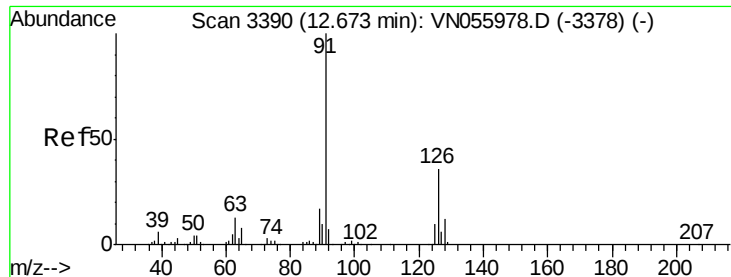
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3422

Delta R.T. 0.10 min

Lab File: VN055983.D

Acq: 4 Jun 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

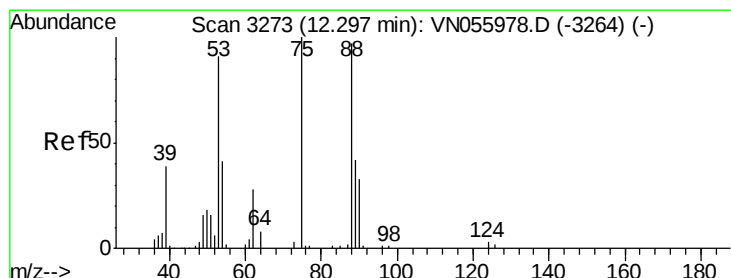
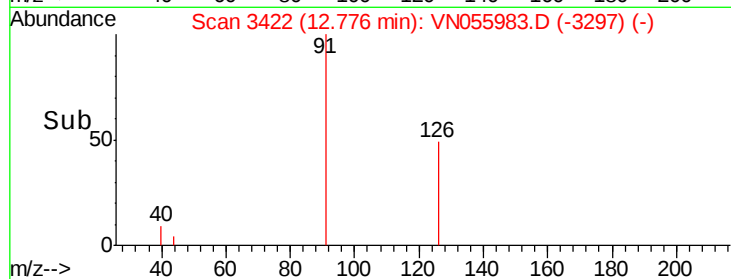
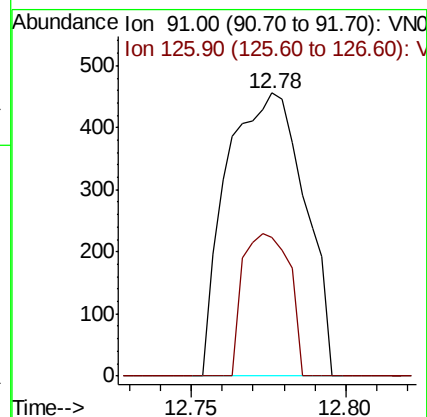
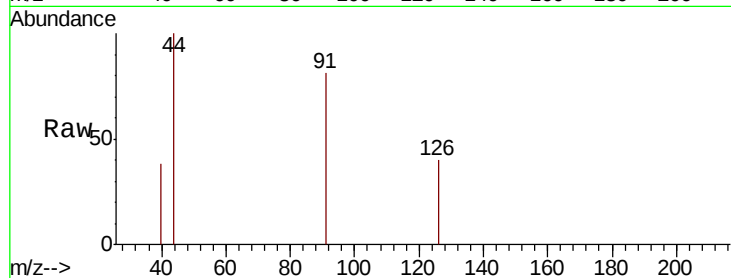
VN0604MBL01

Tot Ion: 91 Resp: 799

Ion Ratio Lower Upper

91 100

126 29.8 18.1 54.4



#81

trans-1,4-Dichloro-2-butene

Concen: 107.071 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055983.D

Acq: 4 Jun 2019 11:54

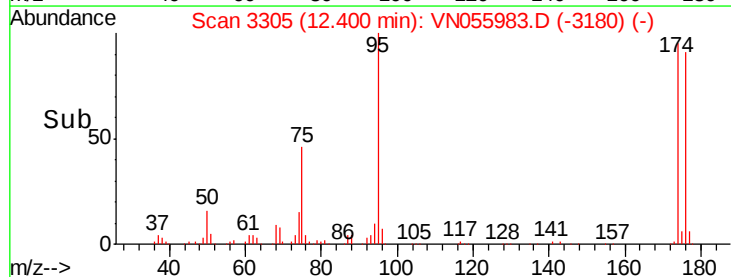
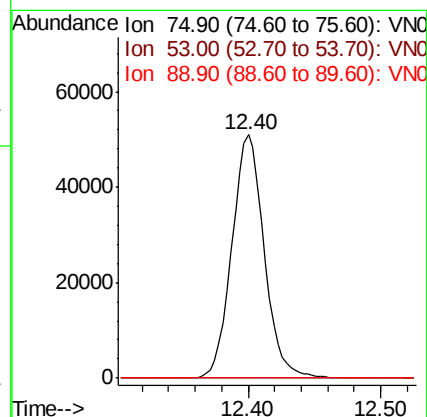
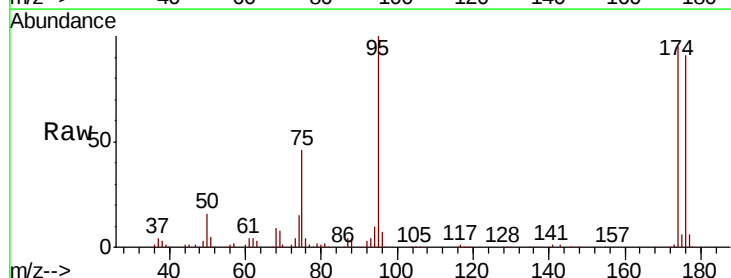
Tgt Ion: 75 Resp: 85929

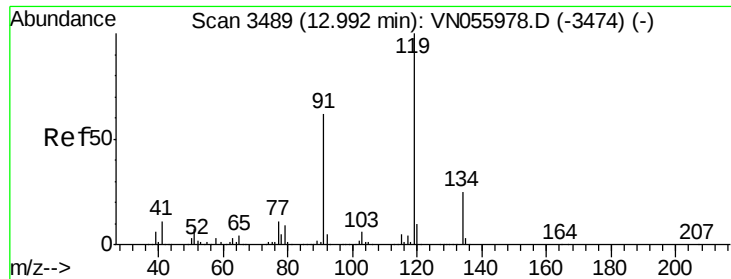
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

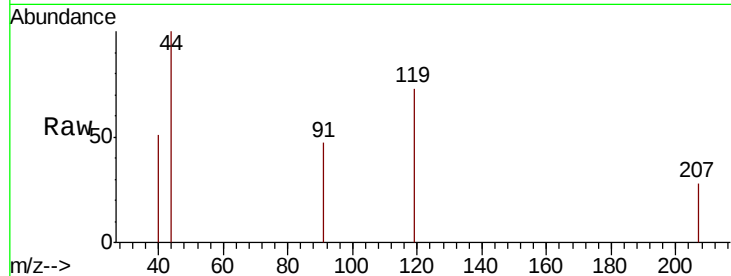




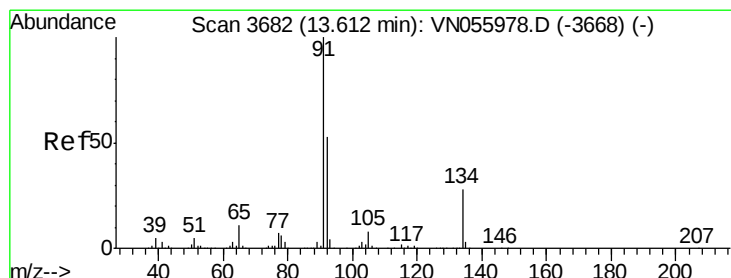
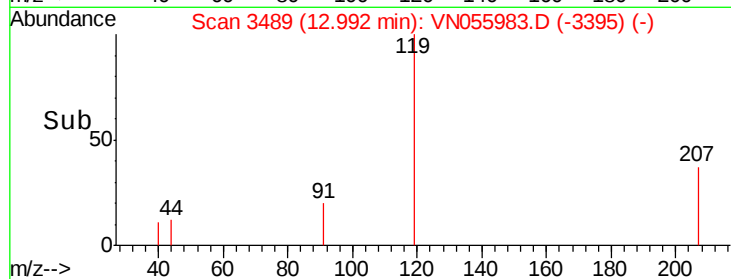
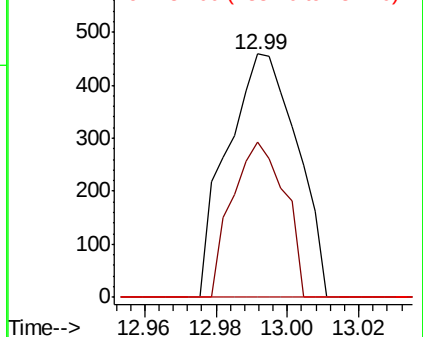
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBL01

Tot Ion:119 Resp: 619
Ion Ratio Lower Upper
119 100
91 48.1 30.9 92.8
134 0.0 13.3 39.8#

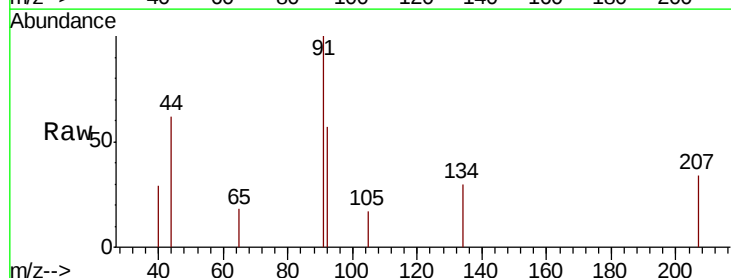


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

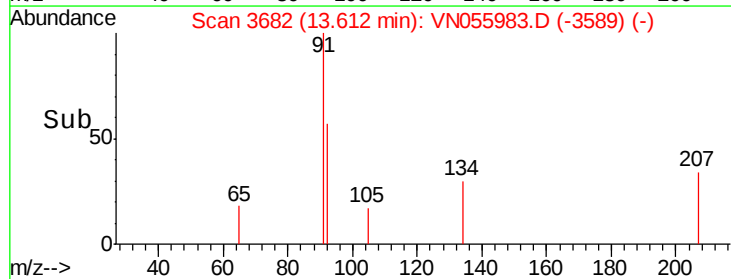
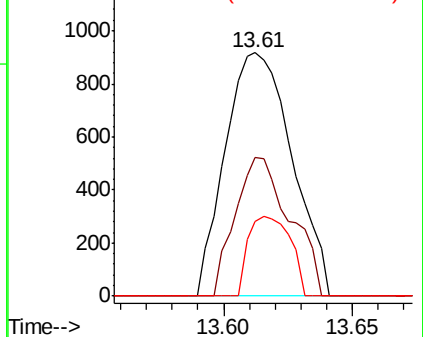


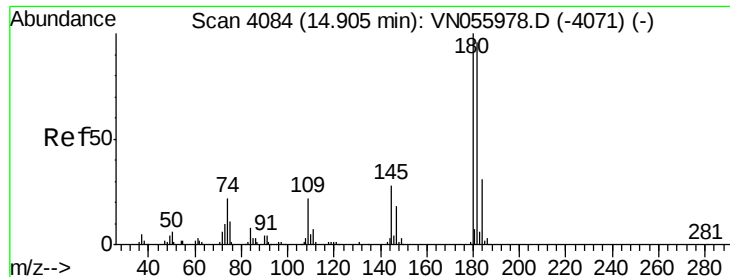
#89
n-Butylbenzene
Concen: 0.229 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055983.D
Acq: 4 Jun 2019 11:54

Tgt Ion: 91 Resp: 1651
Ion Ratio Lower Upper
91 100
92 46.9 26.4 79.0
134 20.6 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 92.00 (91.70 to 92.70): VN
Ion 134.00 (133.70 to 134.70): V

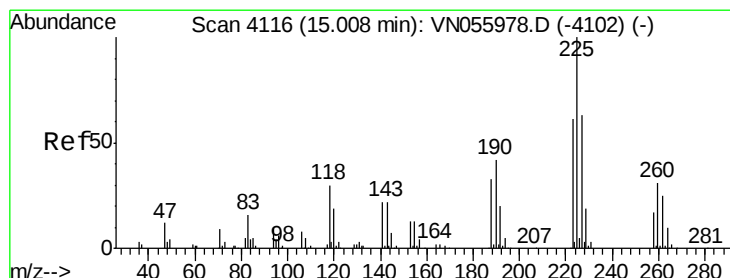
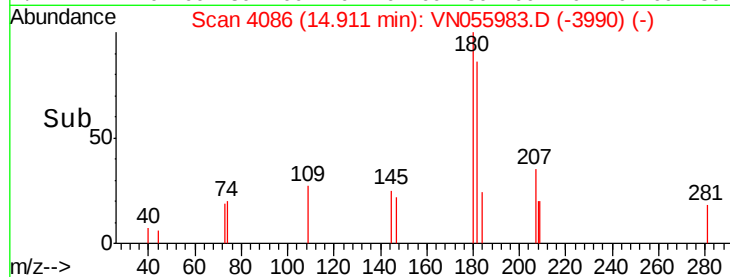
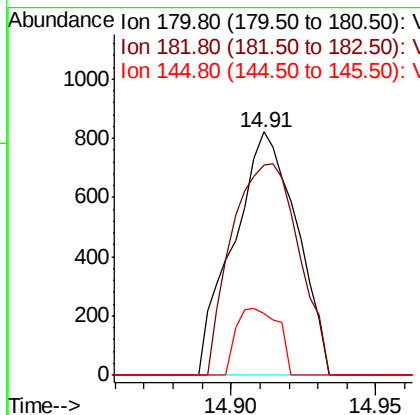
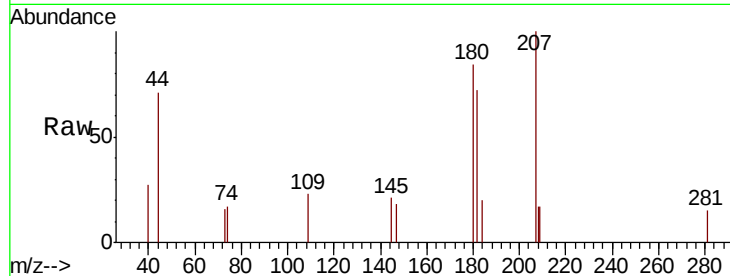




#93
 1,2,4-Trichlorobenzene
 Concen: 4.696 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN055983.D
 Acq: 4 Jun 2019 11:54

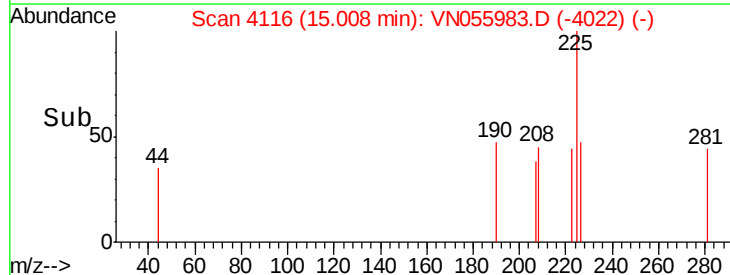
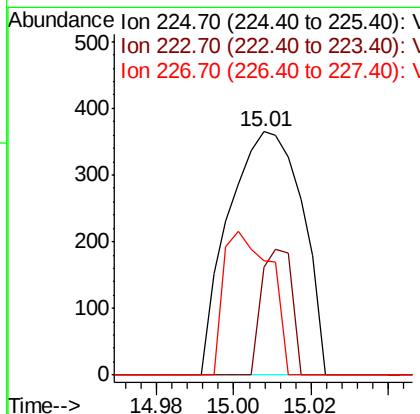
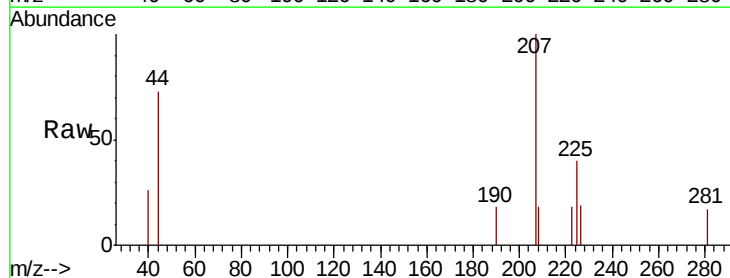
Instrument :
 MSVOA_N
 ClientSampled :
 VN0604MBL01

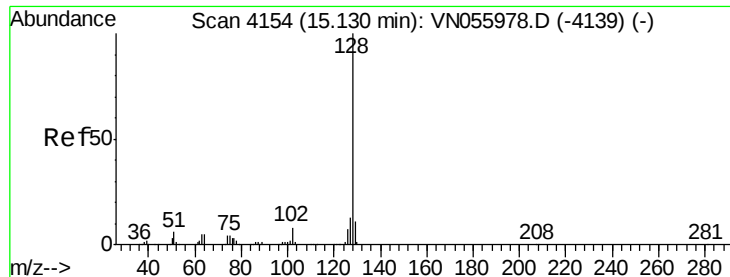
Tot Ion:180 Resp: 1249
 Ion Ratio Lower Upper
 180 100
 182 91.8 48.3 144.9
 145 18.4 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055983.D
 Acq: 4 Jun 2019 11:54

Tgt Ion:225 Resp: 482
 Ion Ratio Lower Upper
 225 100
 223 21.4 30.9 92.7#
 227 37.6 31.6 94.7





#95

Naphthalene

Concen: 4.192 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055983.D

Acq: 4 Jun 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBL01

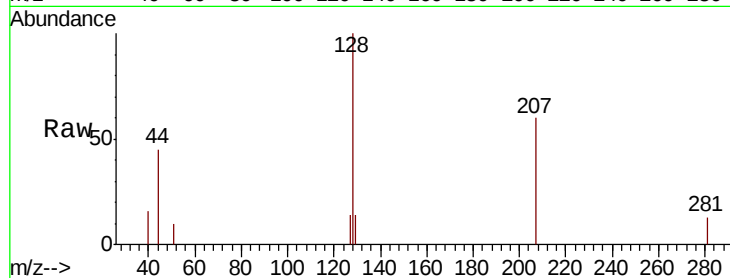
Tot Ion:128 Resp: 2568

Ion Ratio Lower Upper

128 100

127 9.4 10.3 15.5#

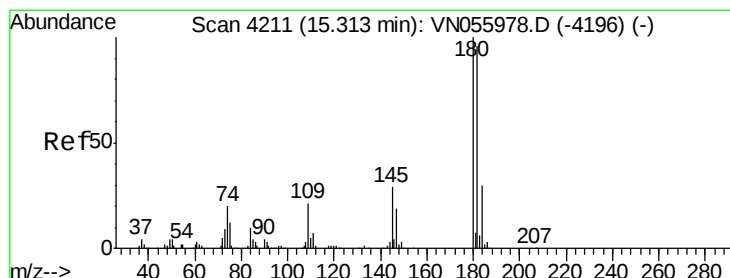
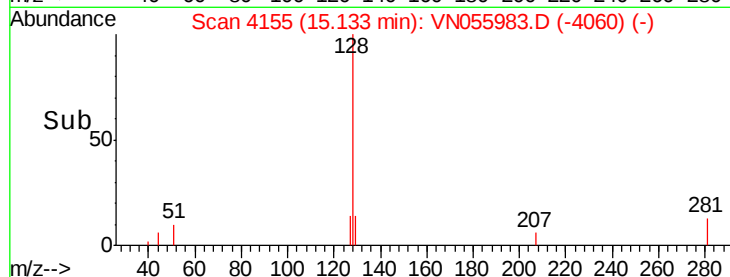
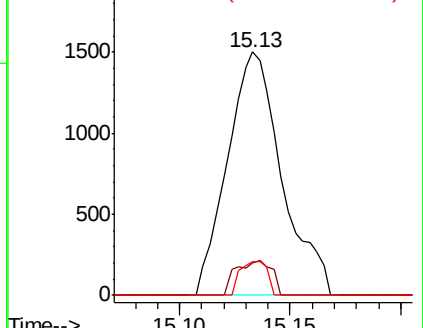
129 7.0 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.553 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055983.D

Acq: 4 Jun 2019 11:54

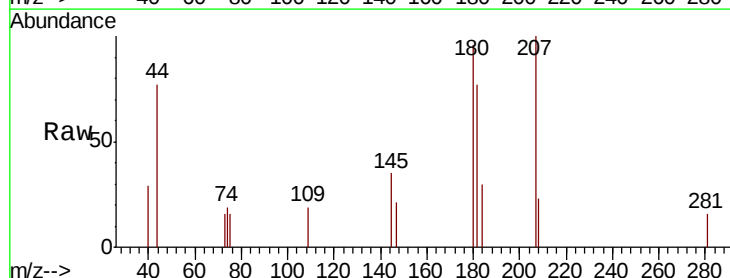
Tgt Ion:180 Resp: 1517

Ion Ratio Lower Upper

180 100

182 90.3 47.9 143.7

145 25.4 14.9 44.7



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

