

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056337.D
 Acq On : 17 Jun 2019 13:59
 Operator : JC/SP
 Sample : K3366-05 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 04:33:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

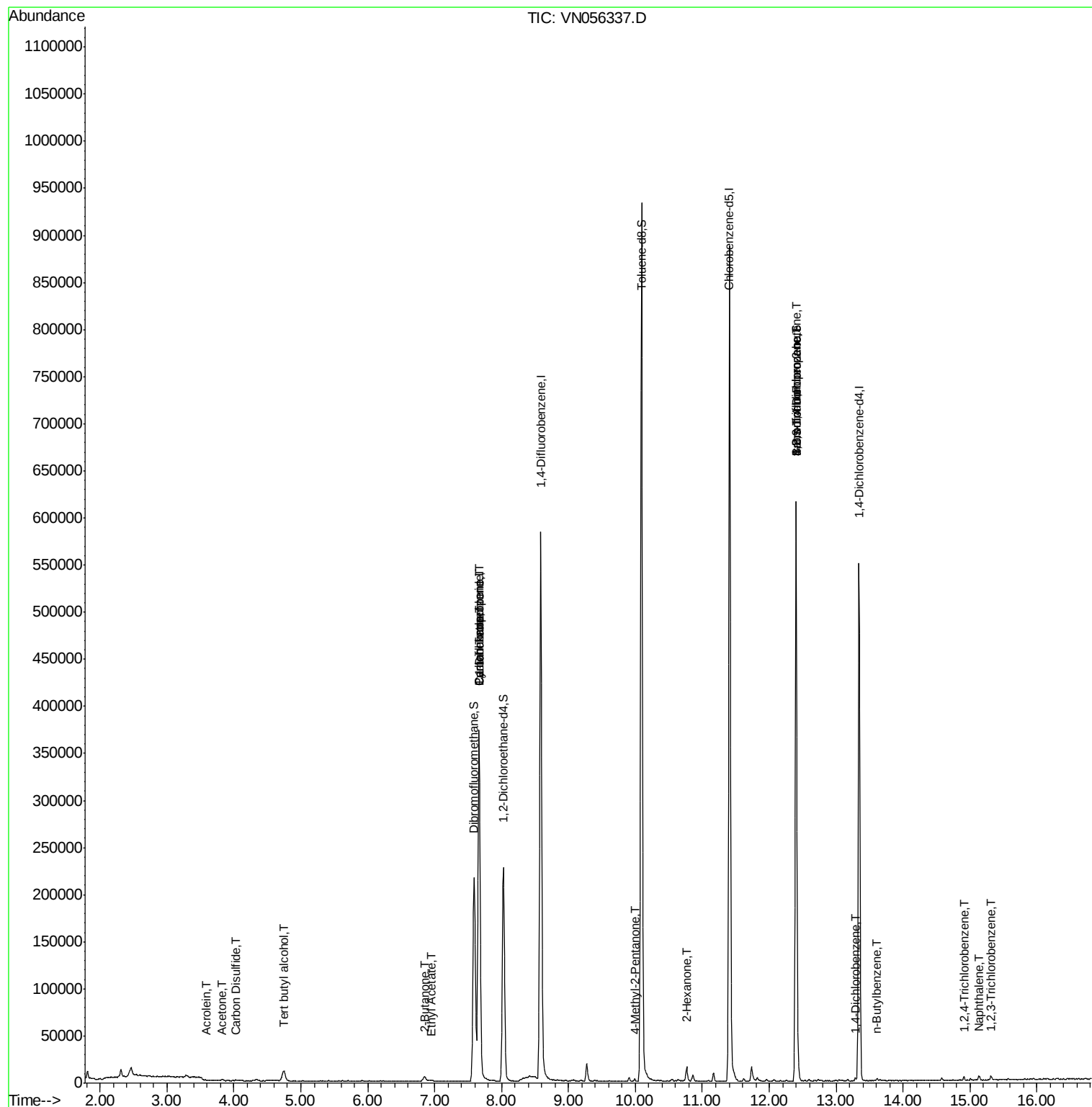
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	338062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	562453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163130	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	190446	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
35) Dibromofluoromethane	7.59	113	169828	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
50) Toluene-d8	10.09	98	702546	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	223773	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	9870	16.501	ug/l #	73
13) Acrolein	3.59	56	33	3.368	ug/l #	1
16) Acetone	3.82	43	2968	1.413	ug/l	92
17) Carbon Disulfide	4.04	76	2287	0.272	ug/l #	75
18) Methyl Acetate	4.33	43	2196	Below Cal		99
25) 2-Butanone	6.86	43	597	0.234	ug/l #	48
31) Cyclohexane	7.66	56	5666	0.967	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22149	4.376	ug/l #	48
37) Ethyl Acetate	6.95	43	2344	0.489	ug/l #	72
38) Carbon Tetrachloride	7.67	117	28518	5.870	ug/l #	16
51) 4-Methyl-2-Pentanone	9.99	43	2081	0.426	ug/l #	57
59) 2-Hexanone	10.76	43	4257	1.174	ug/l	75
71) Bromoform	12.40	173	1677	0.509	ug/l #	1
73) Isopropylbenzene	12.25	105	1161	Below Cal		78
76) 1,2,3-Trichloropropane	12.40	75	104964	30.116	ug/l #	100
77) Bromobenzene	12.53	156	315	Below Cal	#	44
79) 2-Chlorotoluene	12.67	91	988	Below Cal		90
81) trans-1,4-Dichloro-2-buten	12.40	75	104964	93.567	ug/l #	13
83) tert-Butylbenzene	12.99	119	822	Below Cal	#	81
88) 1,4-Dichlorobenzene	13.28	146	1094	0.205	ug/l	79
89) n-Butylbenzene	13.61	91	2325	0.283	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	1328	5.726	ug/l	97
94) Hexachlorobutadiene	15.01	225	557	Below Cal		89
95) Naphthalene	15.13	128	4933	5.260	ug/l	95
96) 1,2,3-Trichlorobenzene	15.32	180	1875	4.389	ug/l	98

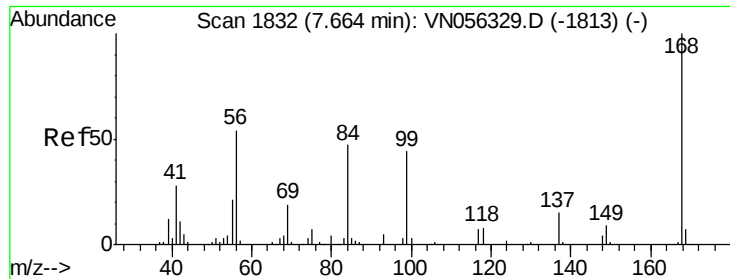
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
Data File : VN056337.D
Acq On : 17 Jun 2019 13:59
Operator : JC/SP
Sample : K3366-05 50X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 18 04:33:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:23:59 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: VN056337.D

Acq: 17 Jun 2019 13:59

Instrument :

MSVOA_N

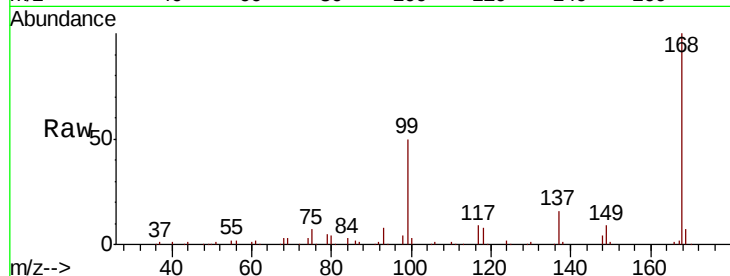
ClientSampleId :

Tot Ion:168 Resp: 338062

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

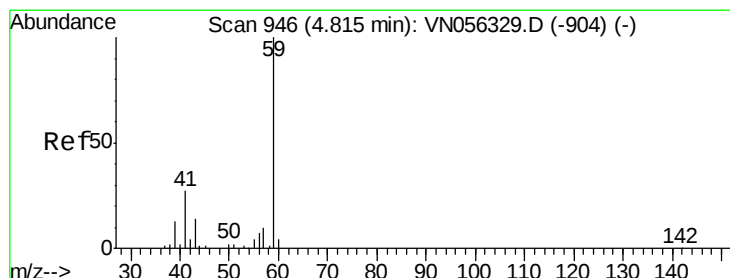
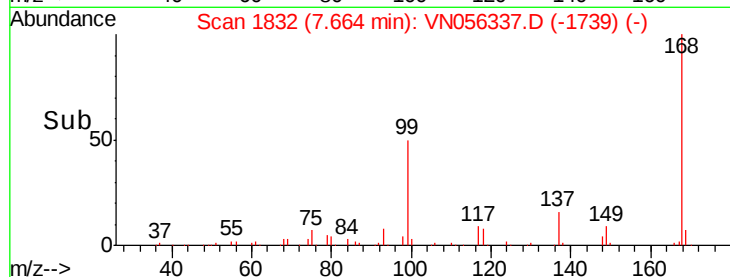
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 16.501 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.08 min

Lab File: VN056337.D

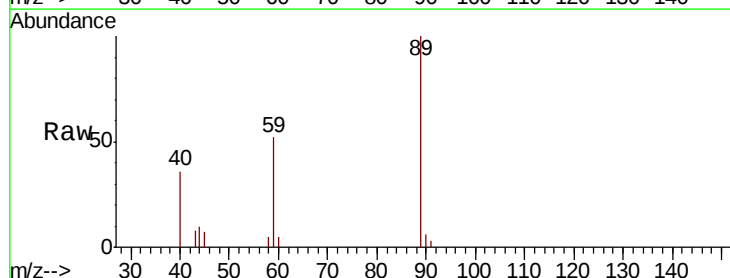
Acq: 17 Jun 2019 13:59

Tgt Ion: 59 Resp: 9870

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

3000

2500

2000

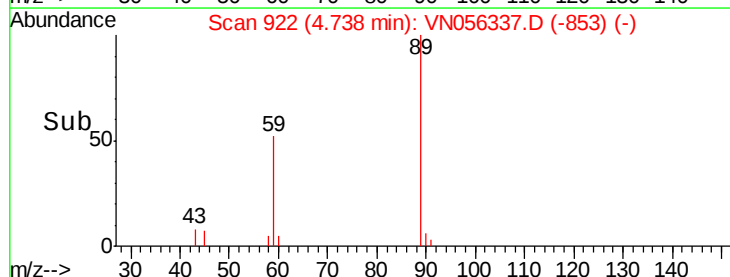
1500

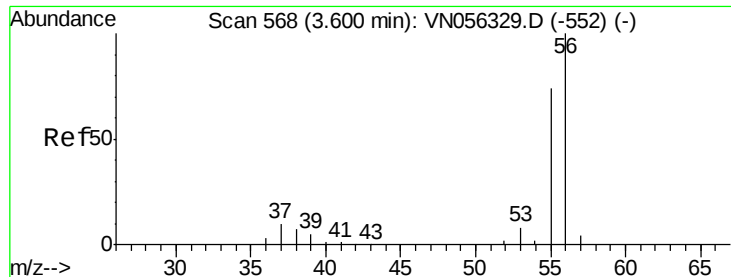
1000

500

0

Time-->

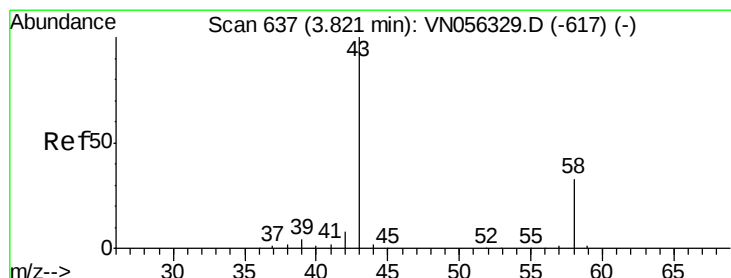
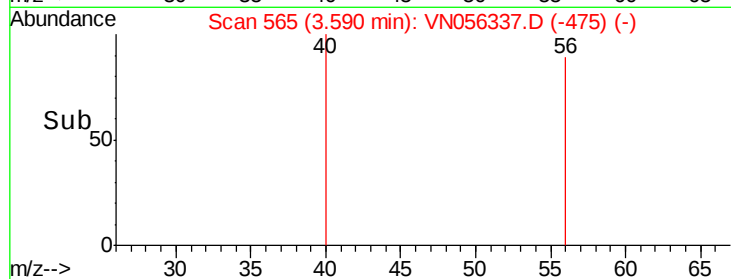
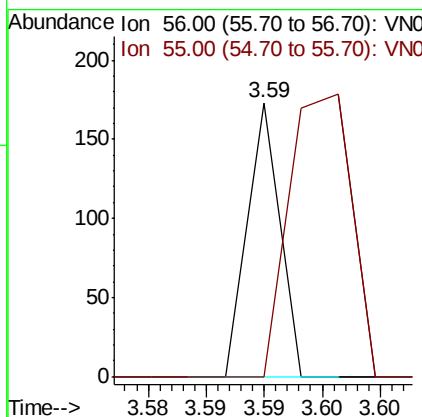
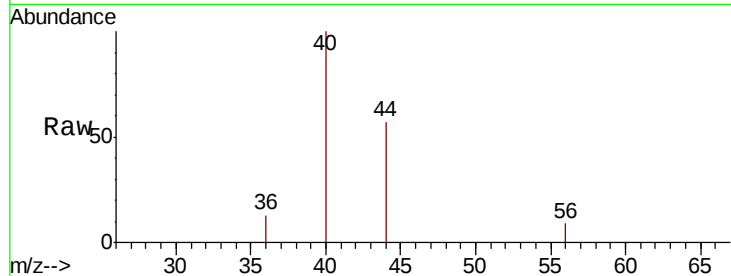




#13
Acrolein
Concen: 3.368 ug/l
RT: 3.59 min Scan# 565
Delta R.T. -0.01 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

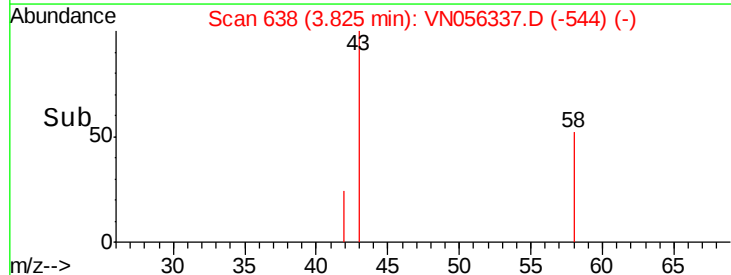
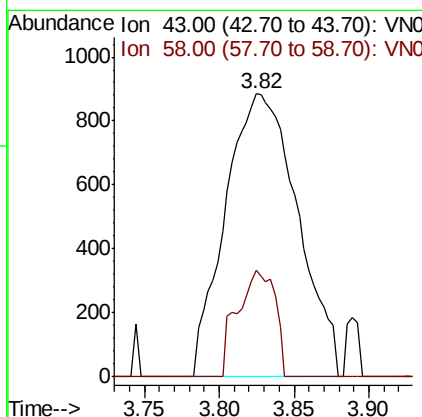
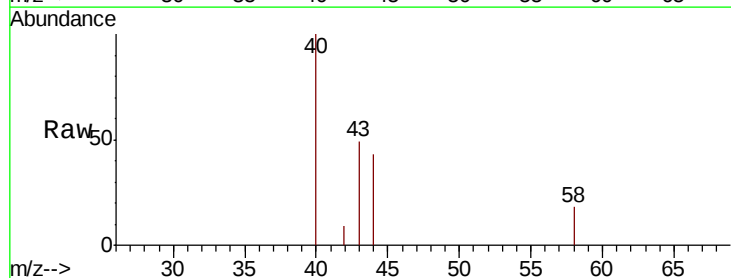
Instrument :
MSVOA_N
ClientSampled :

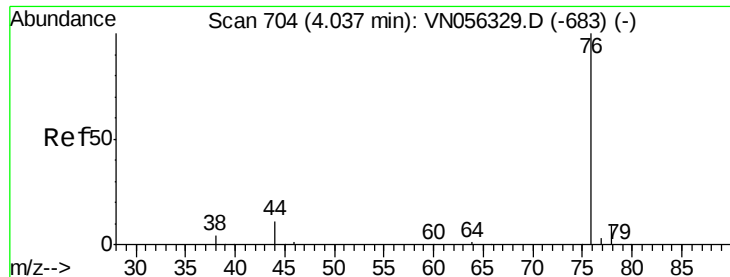
Tot Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 203.0 56.4 84.6#



#16
Acetone
Concen: 1.413 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Tgt Ion: 43 Resp: 2968
Ion Ratio Lower Upper
43 100
58 37.6 26.5 39.7

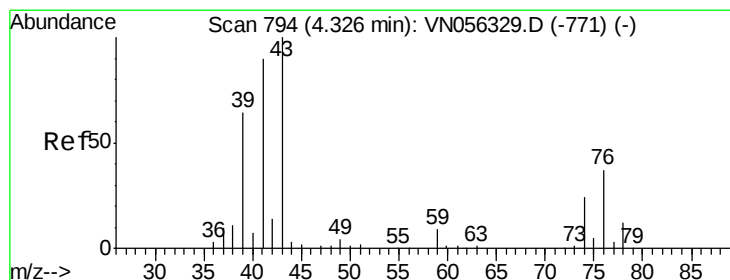
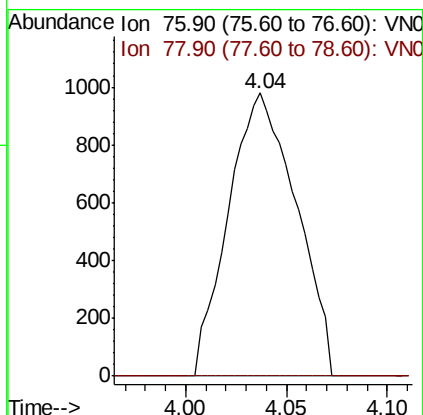
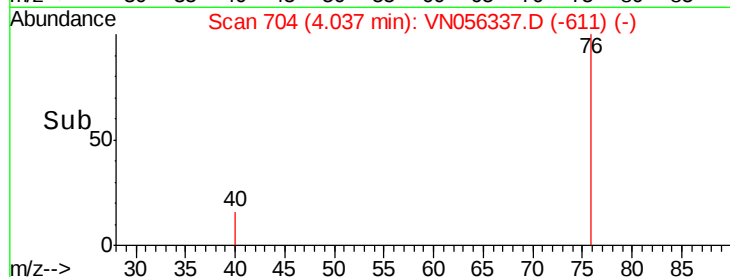
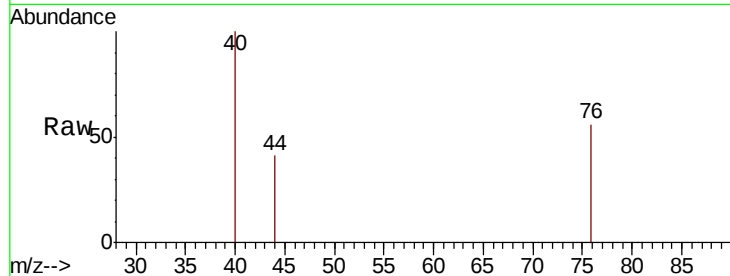




#17
Carbon Disulfide
Concen: 0.272 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

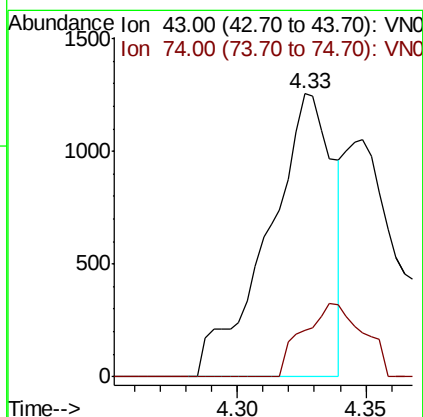
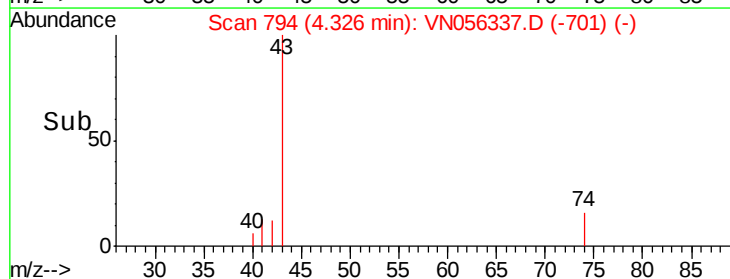
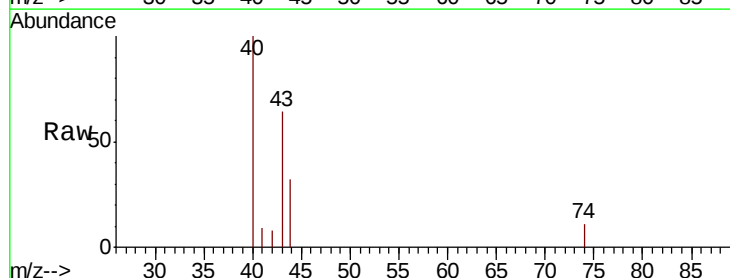
Instrument :
MSVOA_N
ClientSampled :

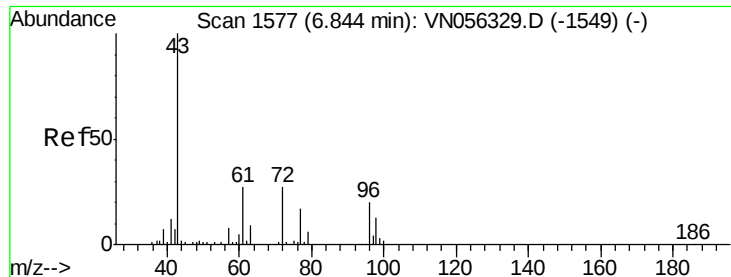
Tot Ion: 76 Resp: 2287
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Tgt Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2

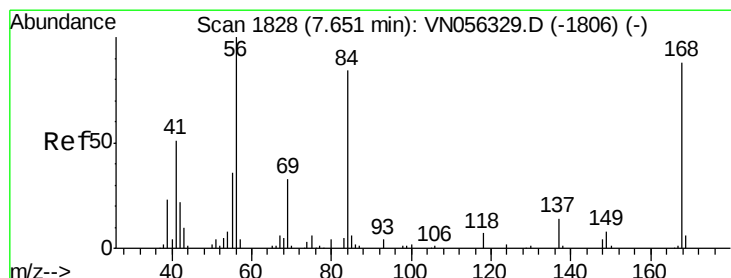
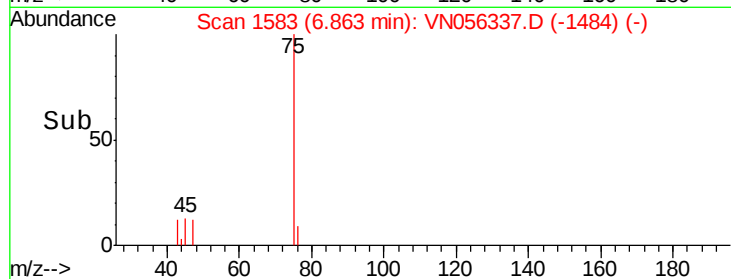
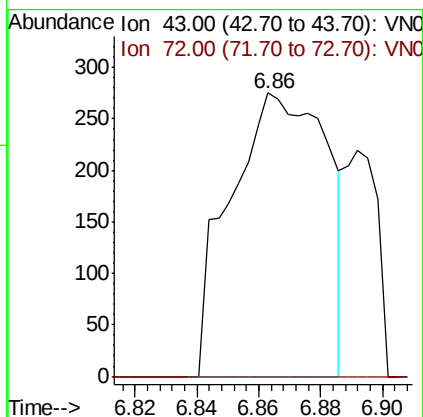
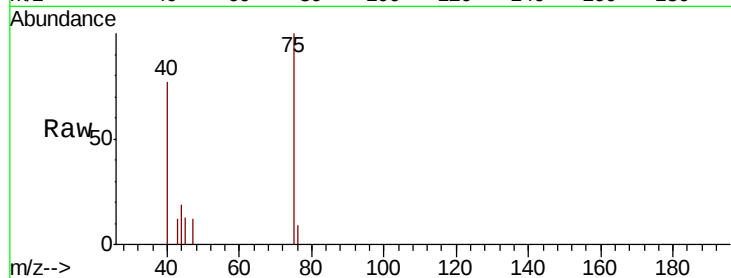




#25
2-Butanone
Concen: 0.234 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.02 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

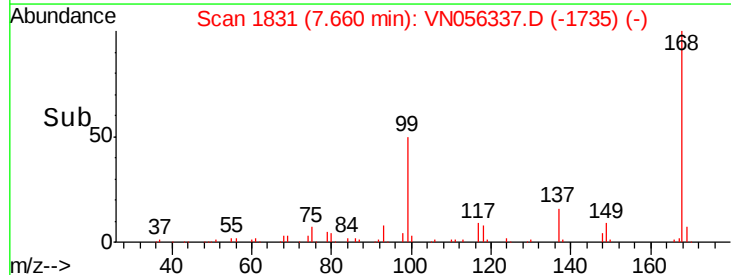
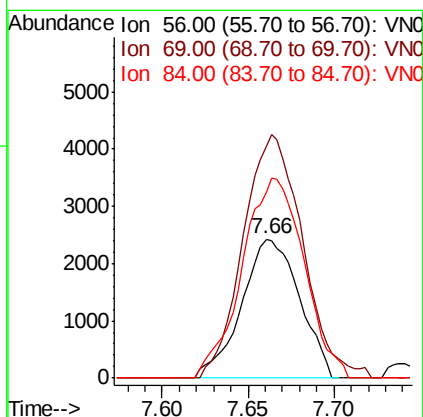
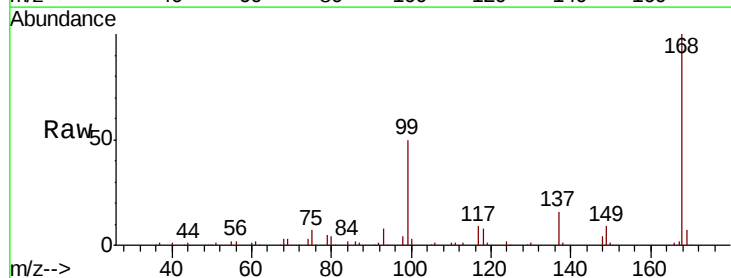
Instrument :
MSVOA_N
ClientSampleId :

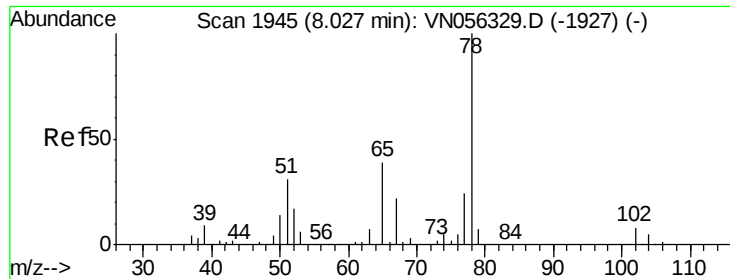
Tot Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 0.967 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Tgt Ion: 56 Resp: 5666
Ion Ratio Lower Upper
56 100
69 167.2 26.0 39.0#
84 134.1 67.4 101.0#

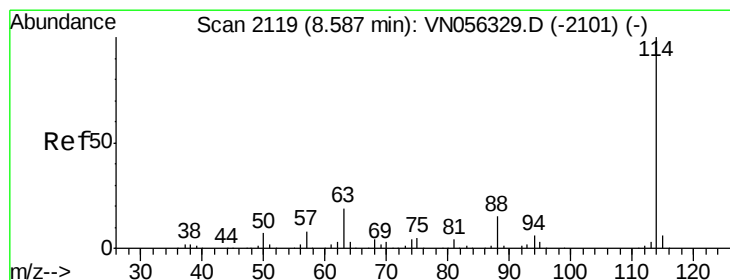
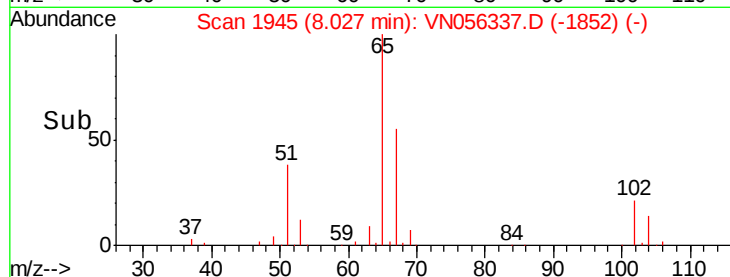
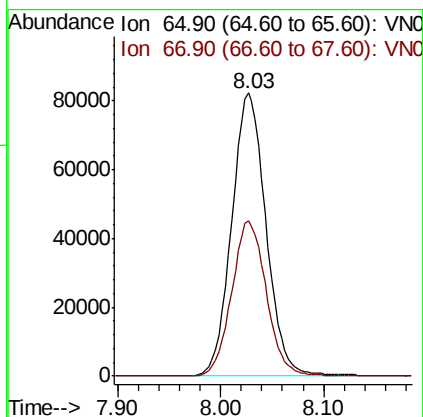
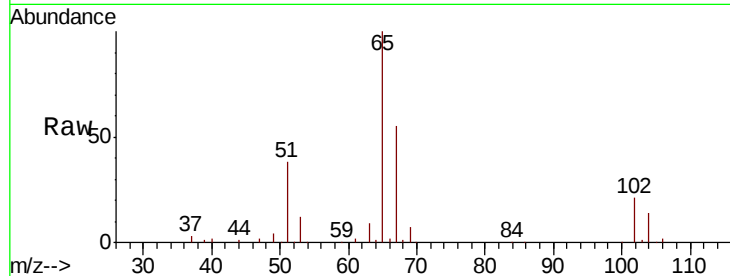




#33
 1,2-Dichloroethane-d4
 Concen: 50.102 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056337.D
 Acq: 17 Jun 2019 13:59

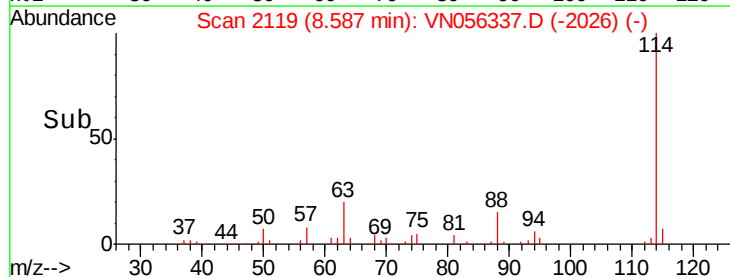
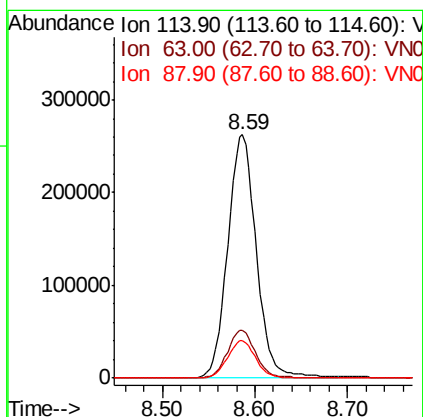
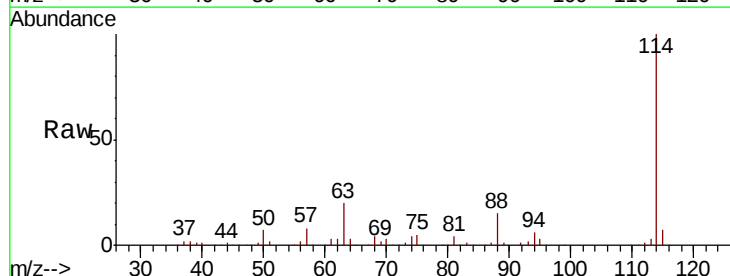
Instrument :
 MSVOA_N
 ClientSampleId :

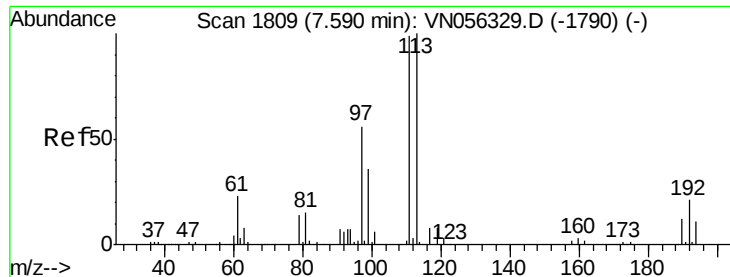
Tot Ion: 65 Resp: 190446
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056337.D
 Acq: 17 Jun 2019 13:59

Tgt Ion: 114 Resp: 562453
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.8
 88 15.4 0.0 30.6

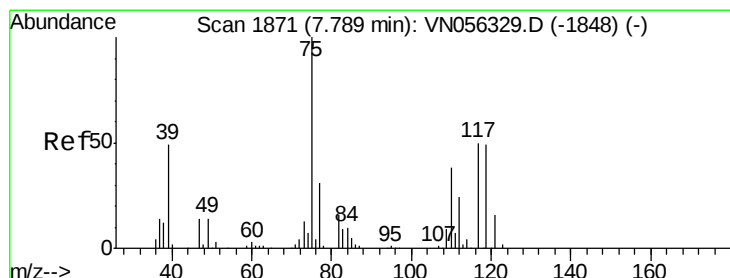
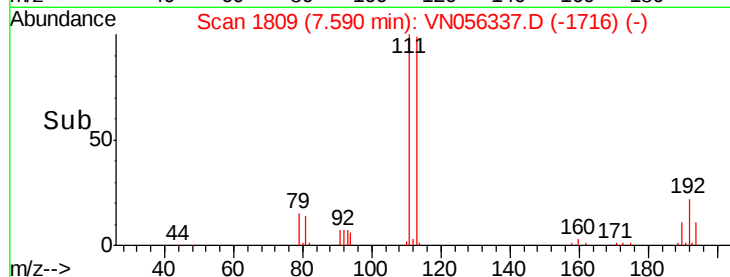
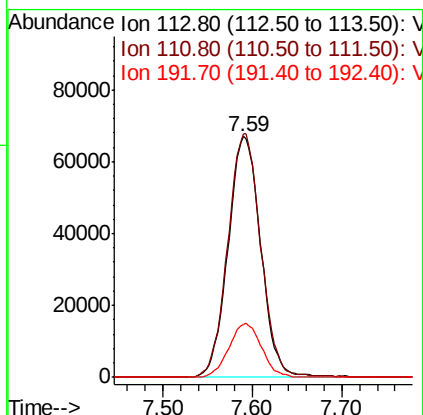
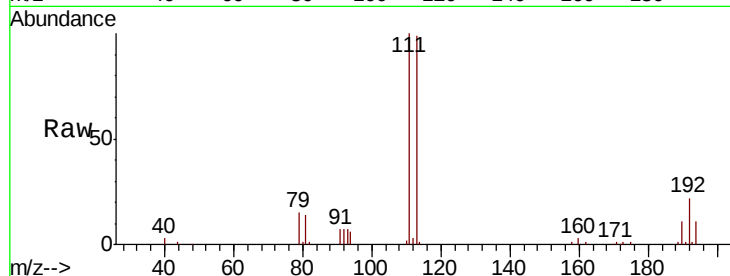




#35
 Dibromofluoromethane
 Concen: 47.084 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056337.D
 Acq: 17 Jun 2019 13:59

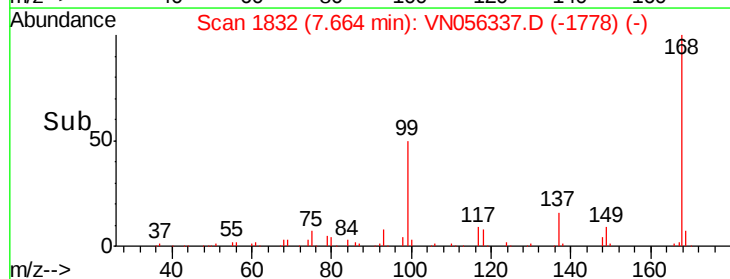
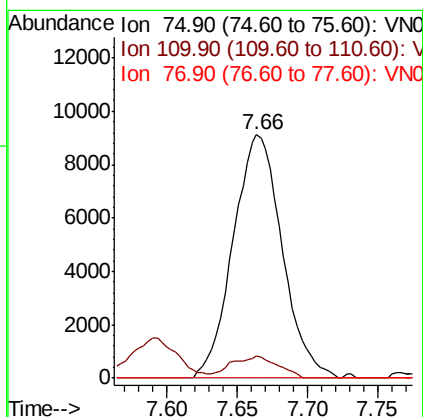
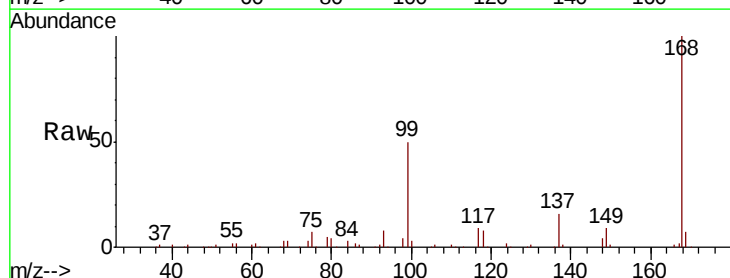
Instrument :
 MSVOA_N
 ClientSampled :

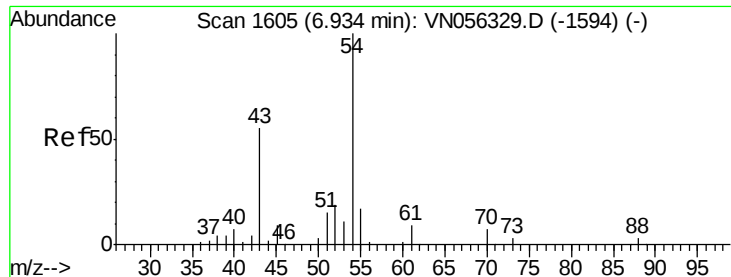
Tot Ion:113 Resp: 169828
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.1 123.1
 192 22.4 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 4.376 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056337.D
 Acq: 17 Jun 2019 13:59

Tgt Ion: 75 Resp: 22149
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.6 56.0#
 77 0.0 25.0 37.6#

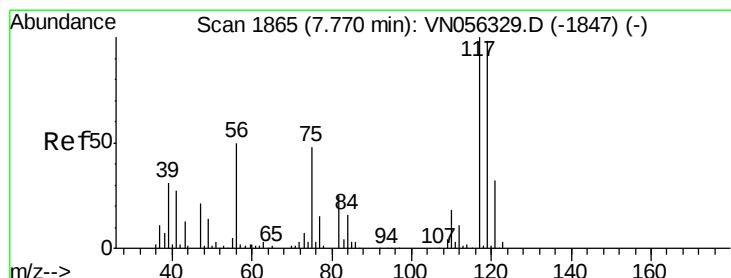
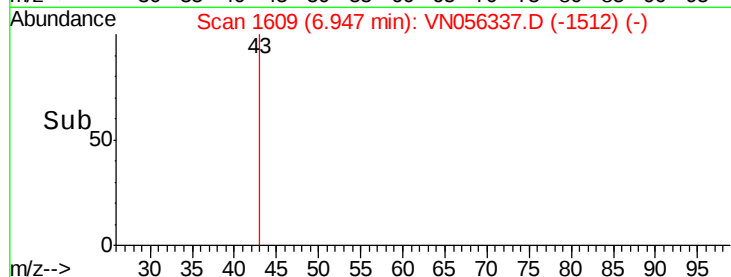
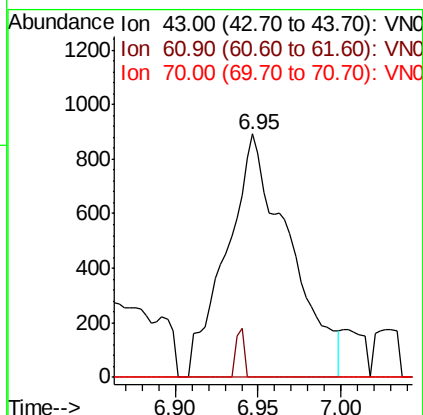
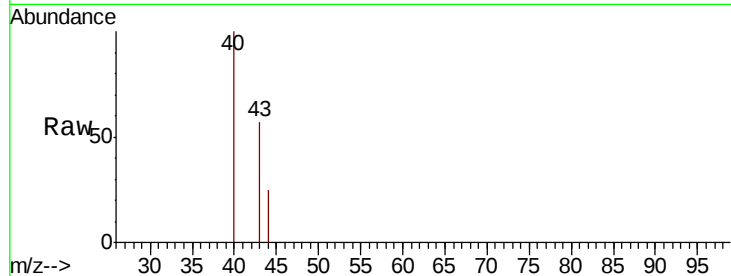




#37
Ethyl Acetate
Concen: 0.489 ug/l
RT: 6.95 min Scan# 1609
Delta R.T. 0.01 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

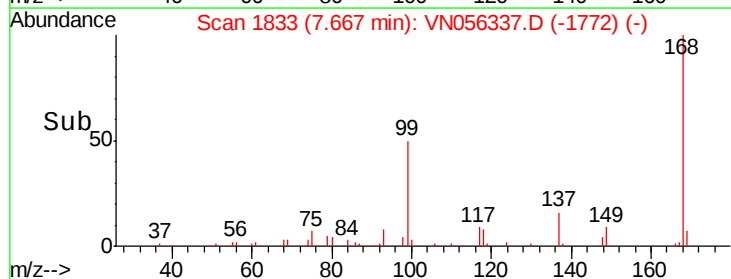
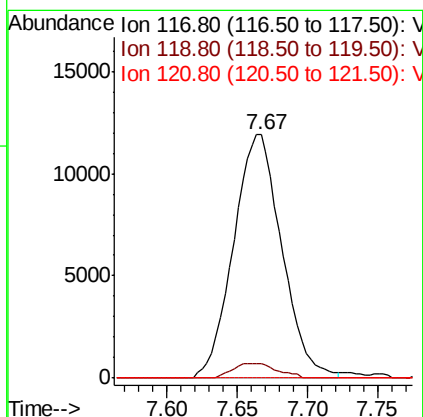
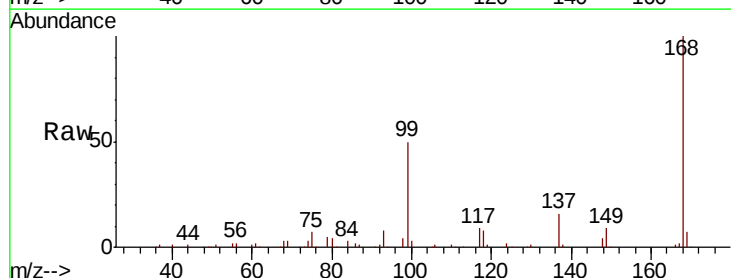
Instrument :
MSVOA_N
ClientSampled :

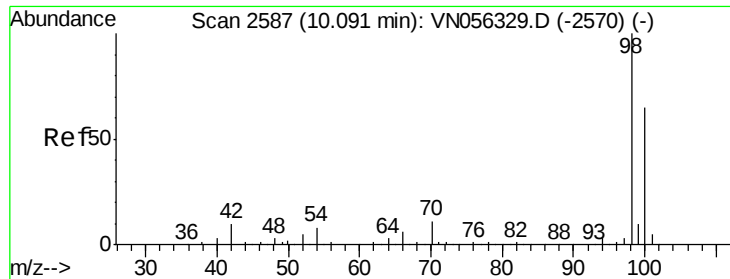
Tot Ion: 43 Resp: 2344
Ion Ratio Lower Upper
43 100
61 2.7 11.7 17.5#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.10 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Tgt Ion: 117 Resp: 28518
Ion Ratio Lower Upper
117 100
119 6.0 77.8 116.8#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 50.986 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN056337.D

Acq: 17 Jun 2019 13:59

Instrument :

MSVOA_N

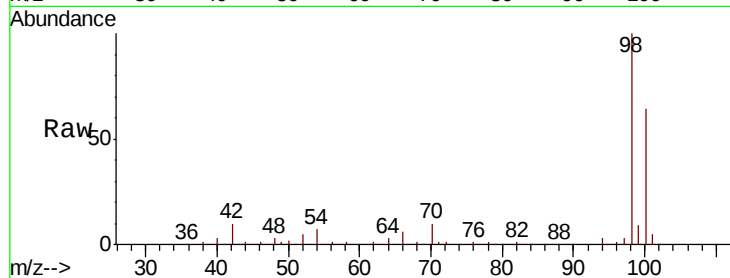
ClientSampleId :

Tot Ion: 98 Resp: 702546

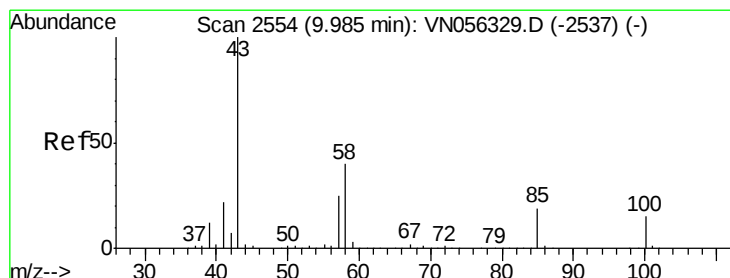
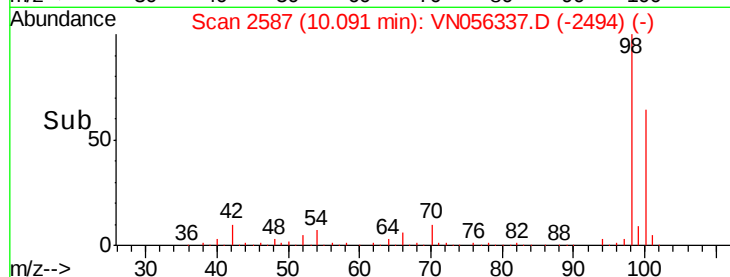
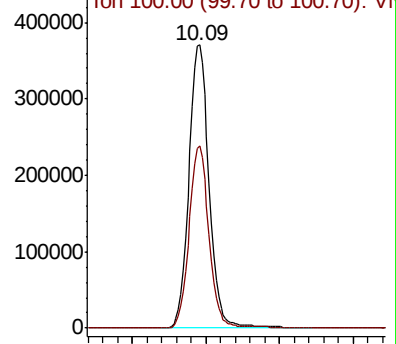
Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN056337.D (-2494) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.426 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN056337.D

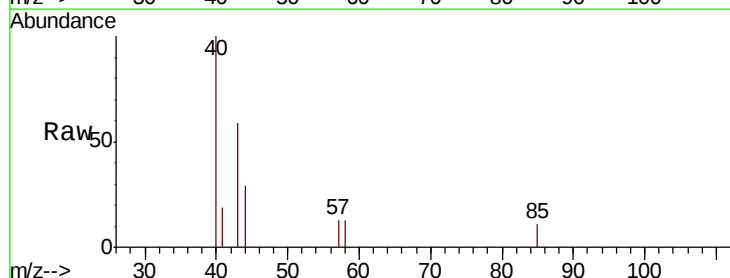
Acq: 17 Jun 2019 13:59

Tgt Ion: 43 Resp: 2081

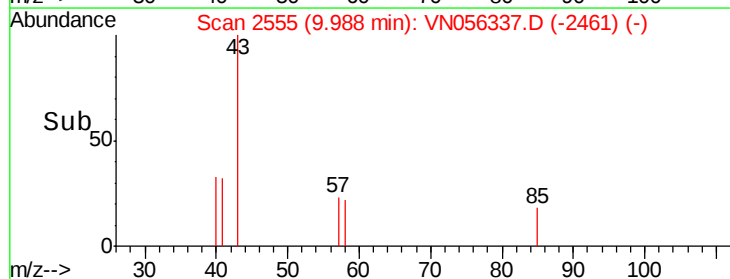
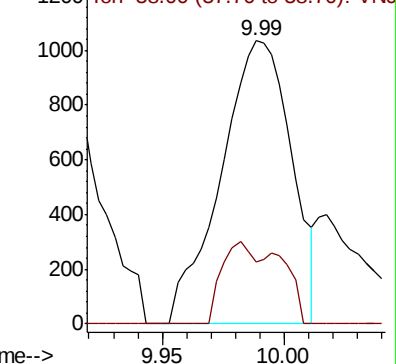
Ion Ratio Lower Upper

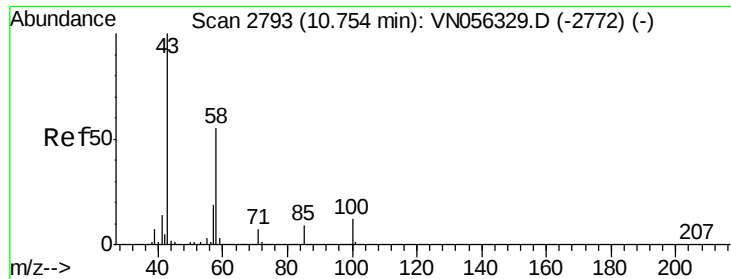
43 100

58 13.5 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN056337.D (-2461) (-)

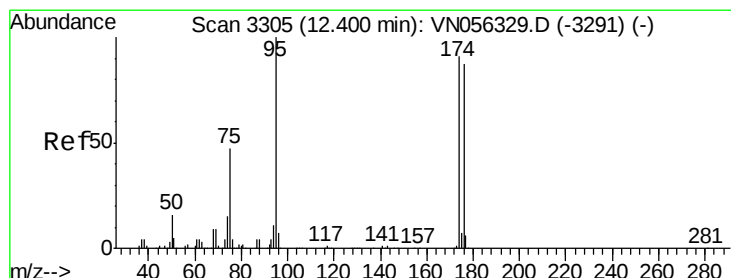
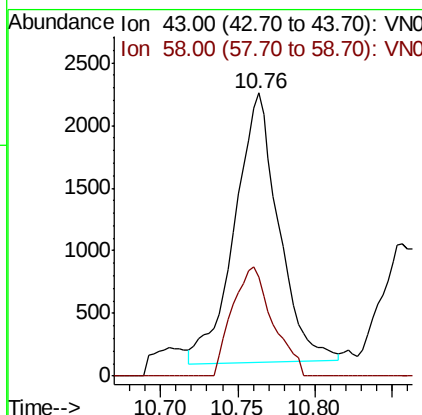
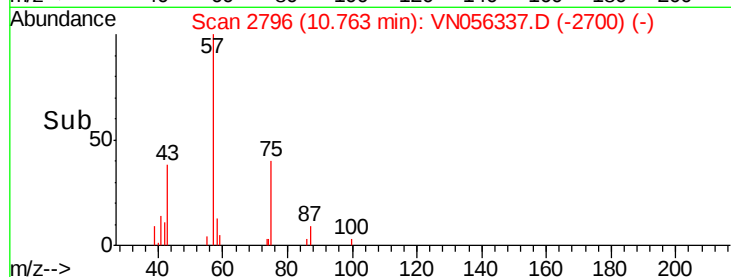
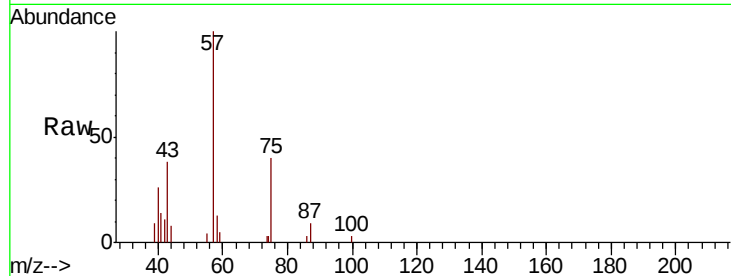




#59
2-Hexanone
Concen: 1.174 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

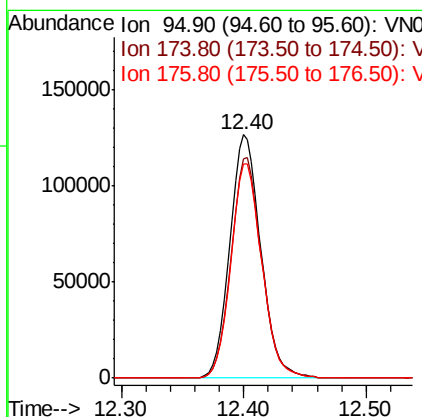
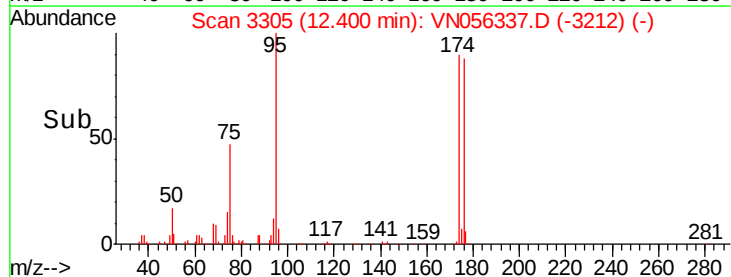
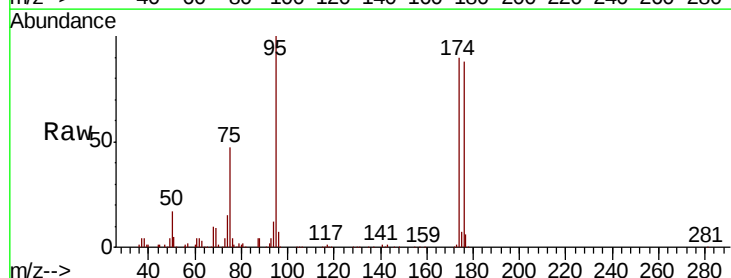
Instrument :
MSVOA_N
ClientSampled :

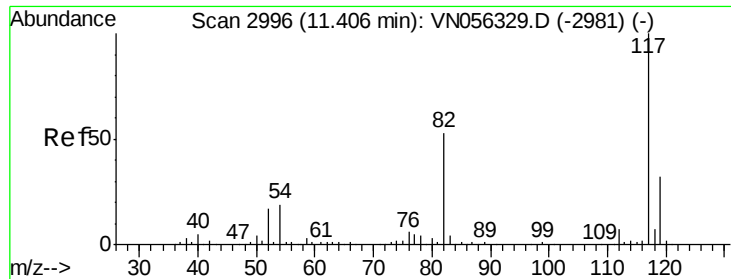
Tot Ion: 43 Resp: 4257
Ion Ratio Lower Upper
43 100
58 37.1 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 49.008 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Tgt Ion: 95 Resp: 223773
Ion Ratio Lower Upper
95 100
174 90.0 0.0 182.6
176 88.0 0.0 176.8

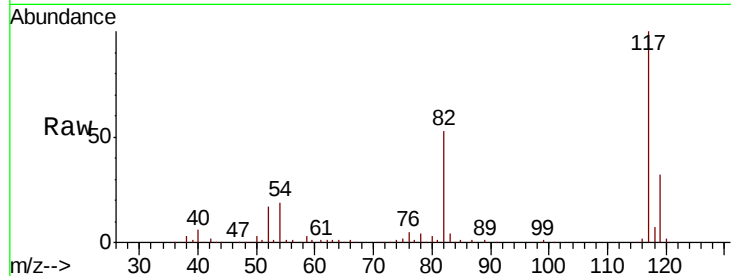




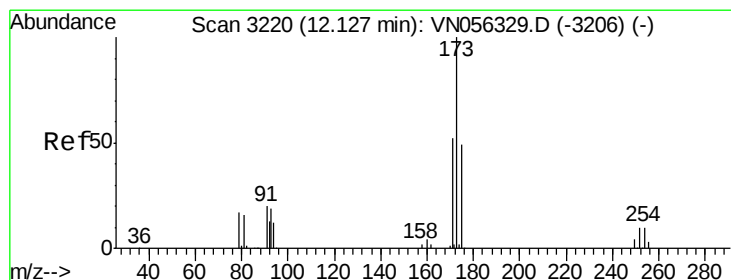
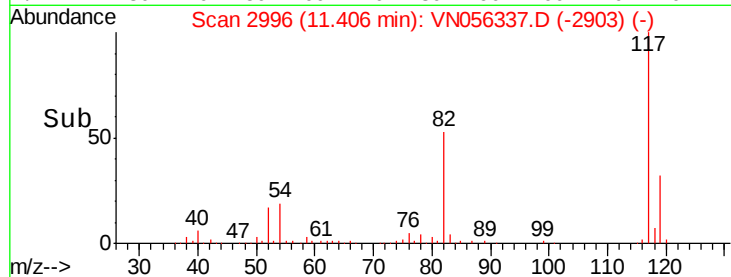
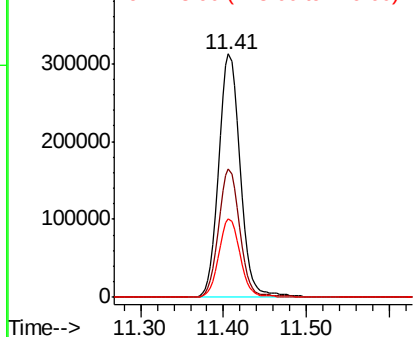
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 559441
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 32.4 26.0 39.0

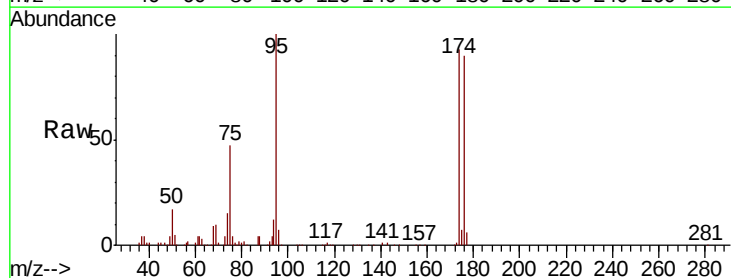


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

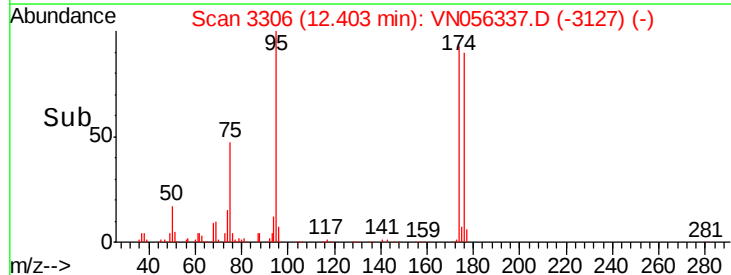
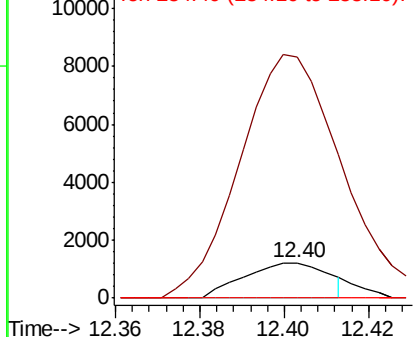


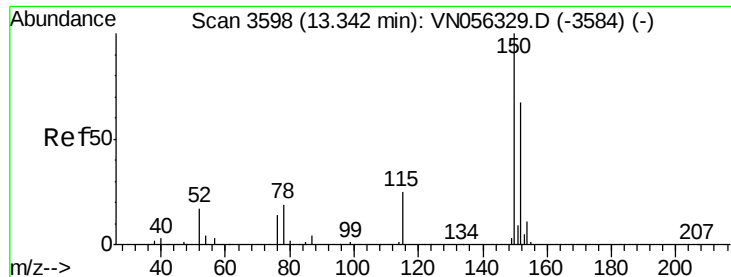
#71
Bromoform
Concen: 0.509 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Tgt Ion:173 Resp: 1677
Ion Ratio Lower Upper
173 100
175 724.1 24.3 73.0#
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



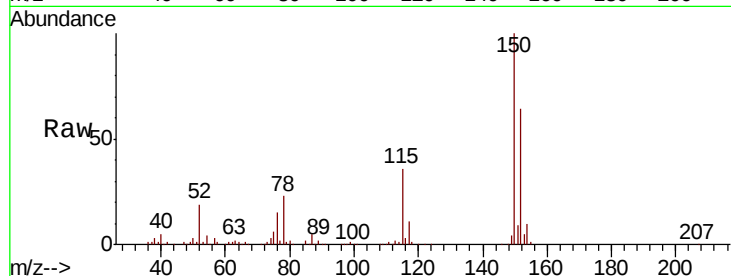


#72

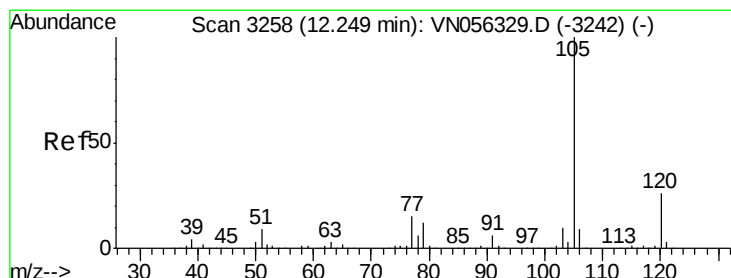
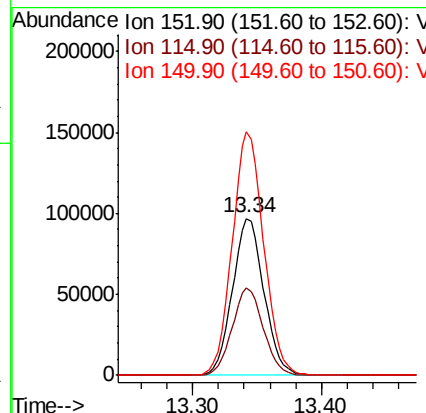
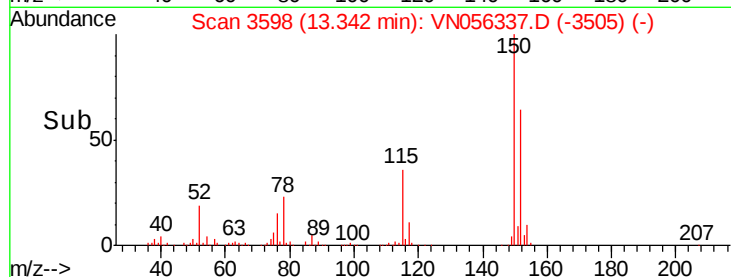
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 163130
Ion Ratio Lower Upper
152 100
115 55.3 27.8 83.3
150 155.8 0.0 345.8



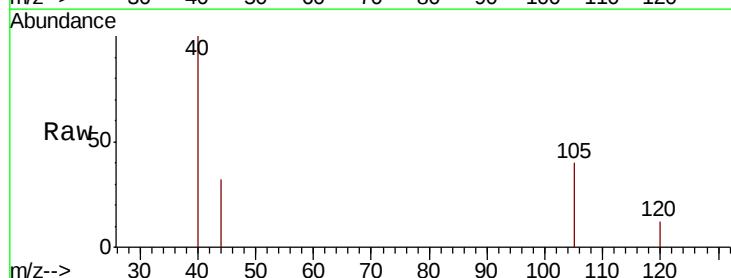
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



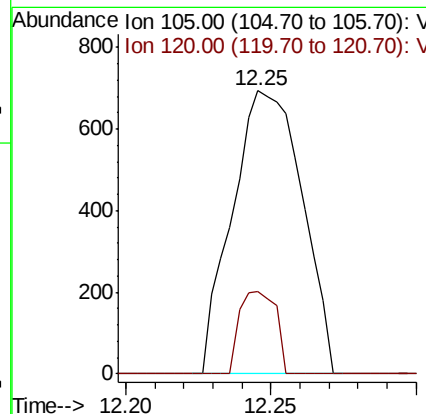
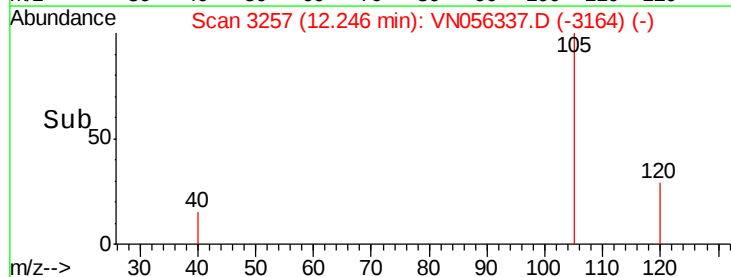
#73

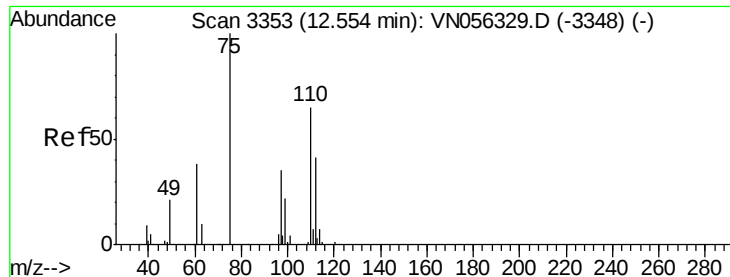
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Tgt Ion:105 Resp: 1161
Ion Ratio Lower Upper
105 100
120 15.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 30.116 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056337.D

Acq: 17 Jun 2019 13:59

Instrument :

MSVOA_N

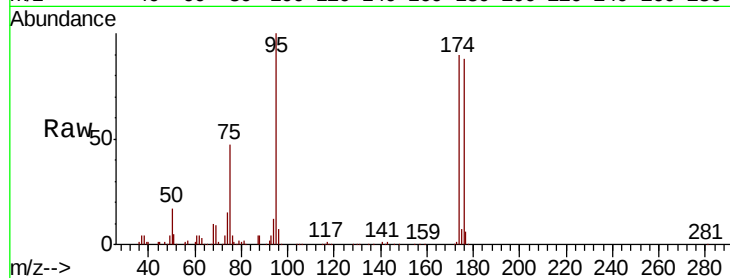
ClientSampleId :

Tot Ion: 75 Resp: 104964

Ion Ratio Lower Upper

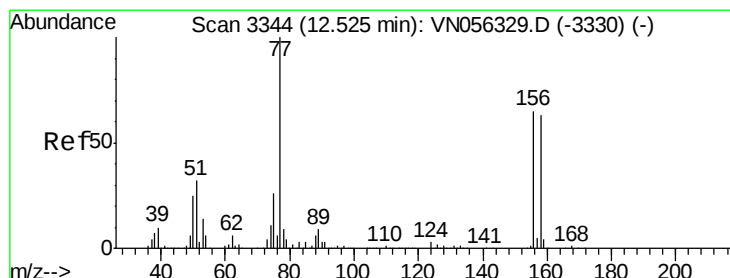
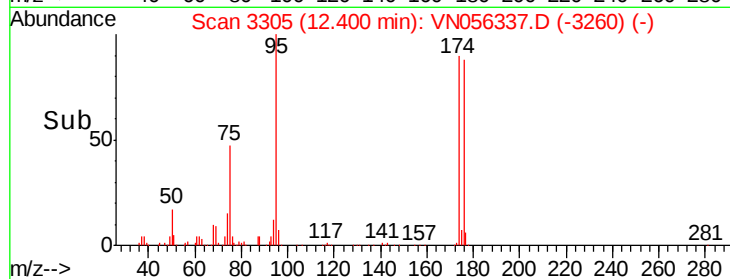
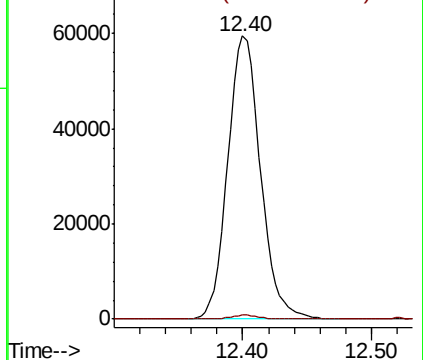
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN056337.D

Acq: 17 Jun 2019 13:59

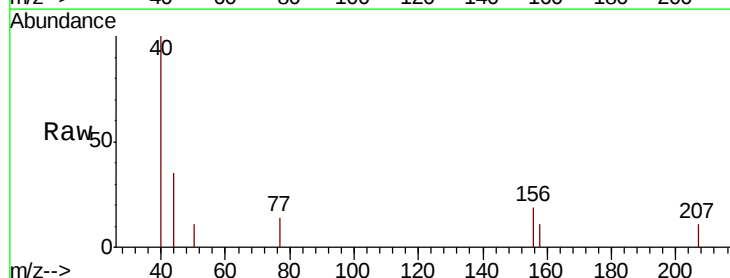
Tgt Ion: 156 Resp: 315

Ion Ratio Lower Upper

156 100

77 76.2 92.9 278.7#

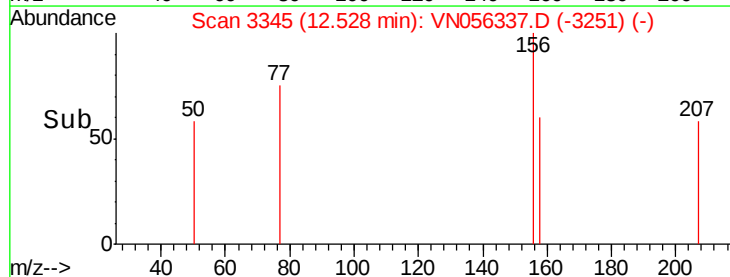
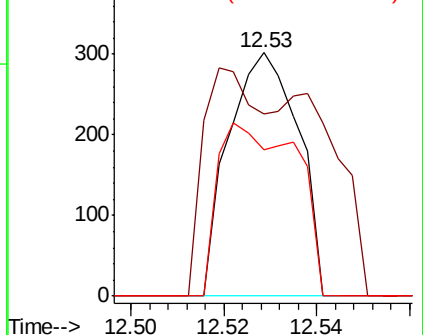
158 80.3 49.0 147.2

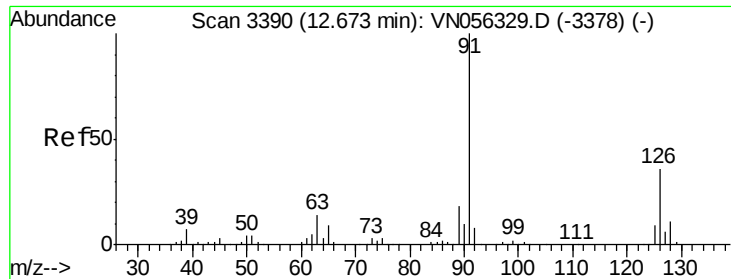


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056337.D

Acq: 17 Jun 2019 13:59

Instrument :

MSVOA_N

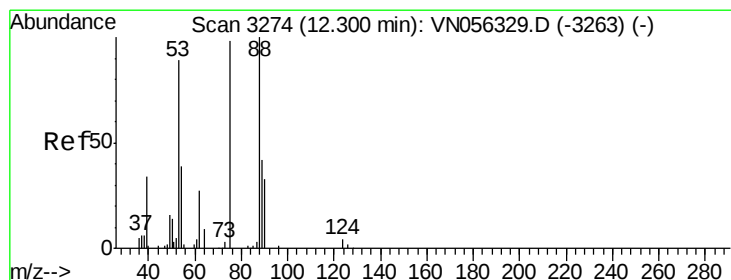
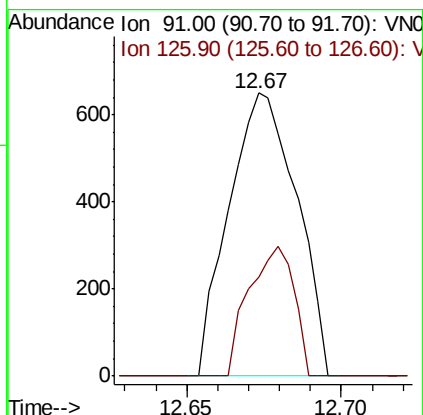
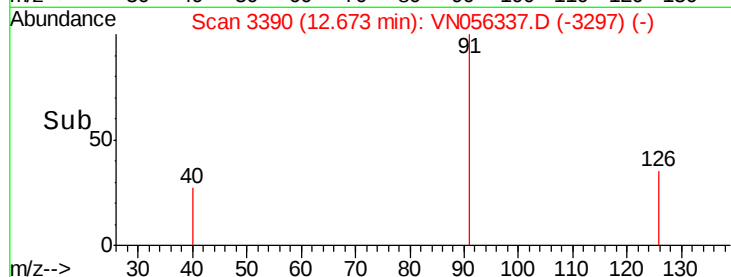
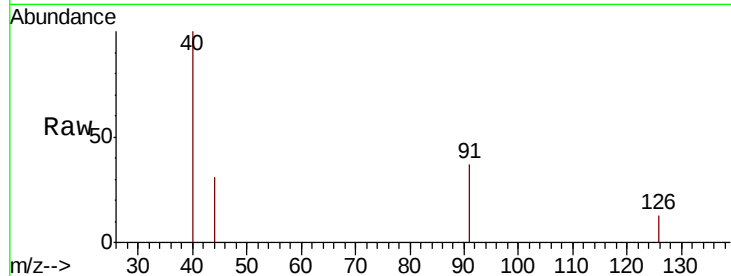
ClientSampleId :

Tot Ion: 91 Resp: 988

Ion Ratio Lower Upper

91 100

126 30.3 18.0 54.0



#81

trans-1,4-Dichloro-2-butene

Concen: 93.567 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056337.D

Acq: 17 Jun 2019 13:59

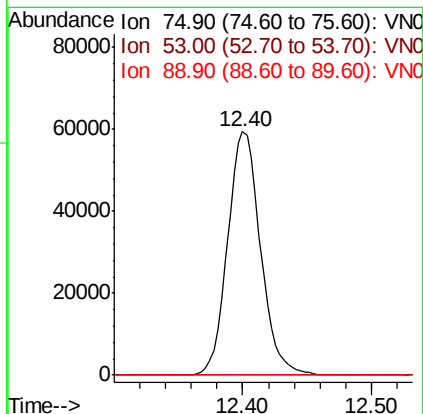
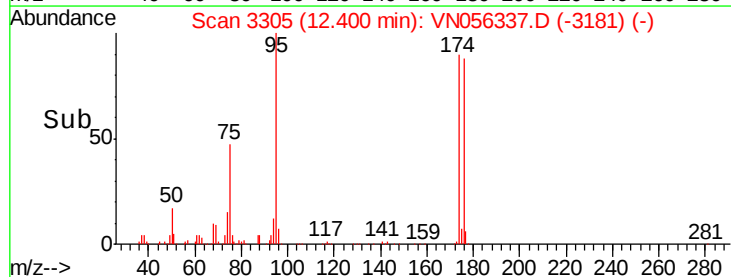
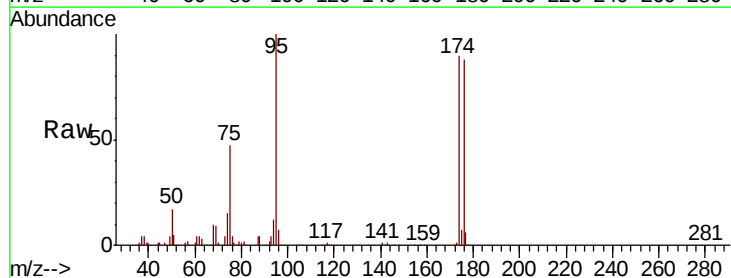
Tgt Ion: 75 Resp: 104964

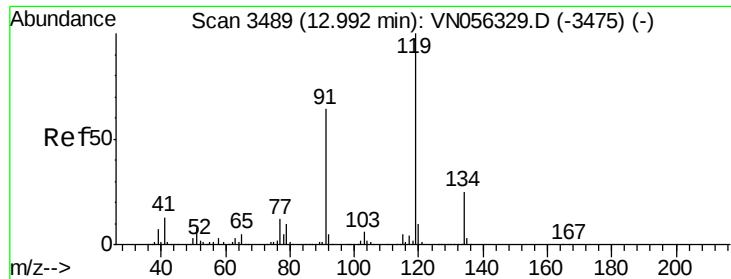
Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 35.4 53.2#

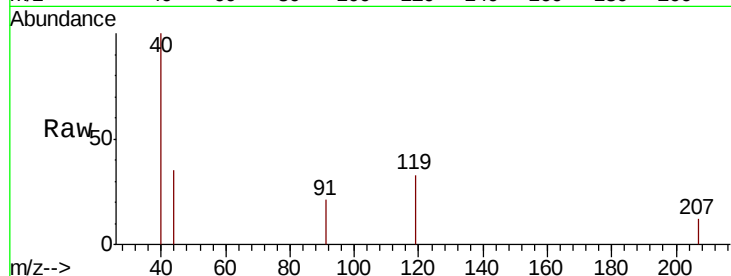




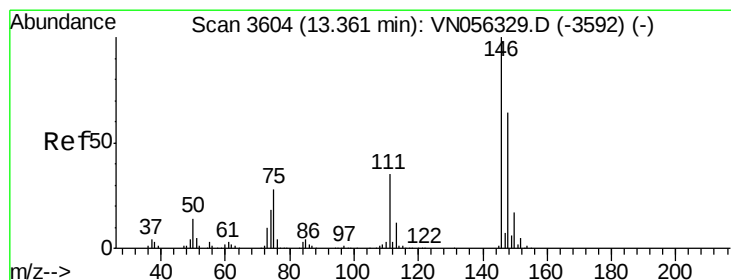
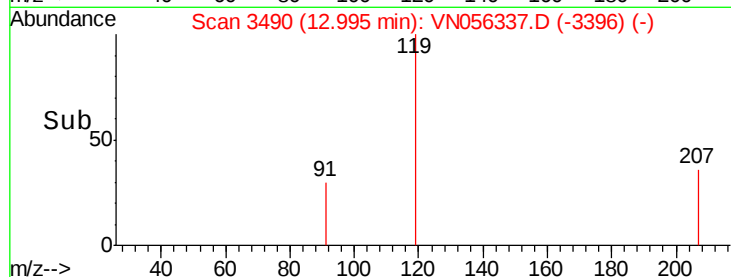
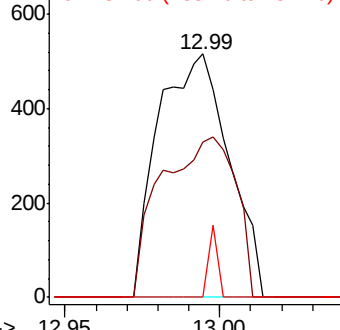
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 822
Ion Ratio Lower Upper
119 100
91 69.0 31.5 94.5
134 3.5 13.6 40.7#

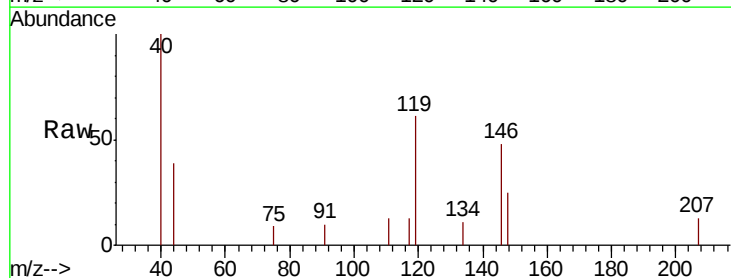


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

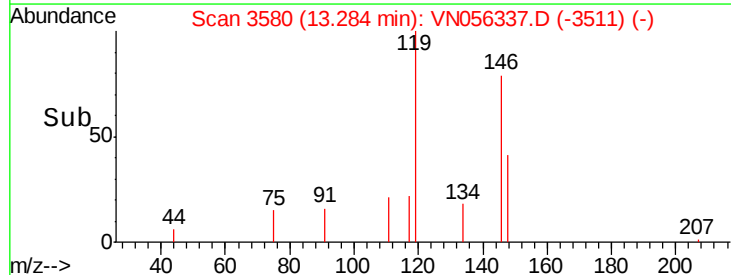
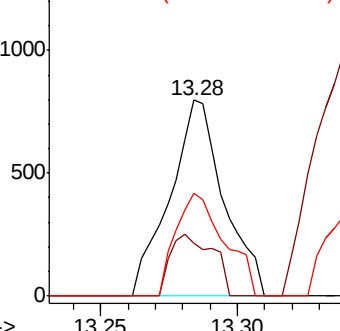


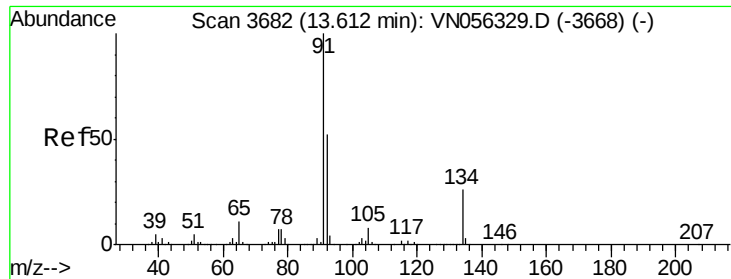
#88
1,4-Dichlorobenzene
Concen: 0.205 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.08 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Tgt Ion:146 Resp: 1094
Ion Ratio Lower Upper
146 100
111 24.8 18.1 54.1
148 47.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

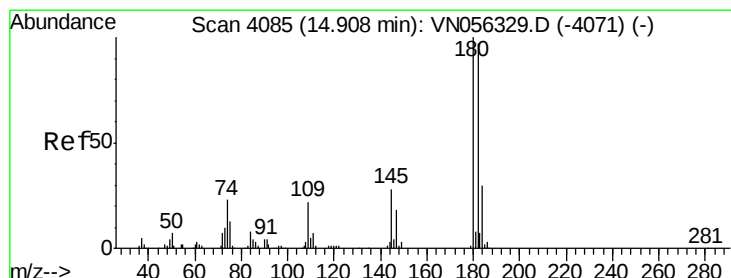
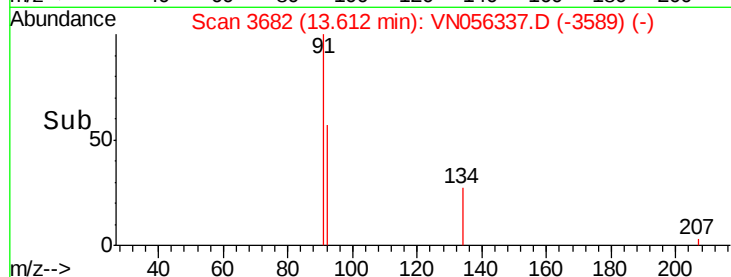
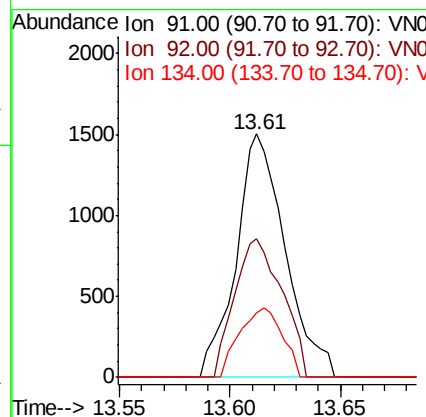
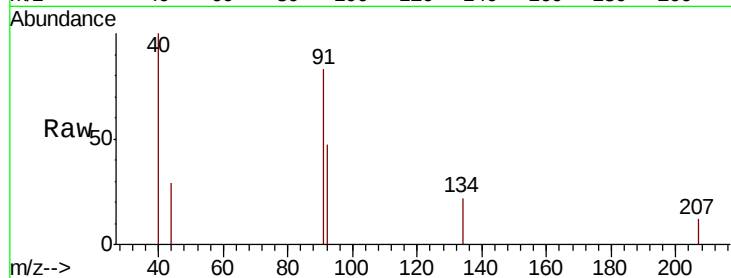




#89
n-Butylbenzene
Concen: 0.283 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

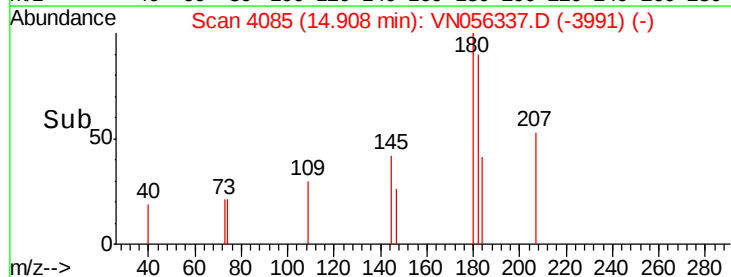
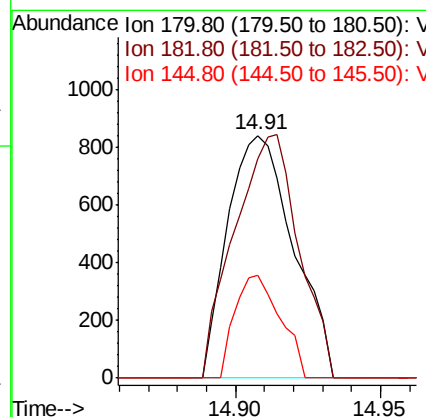
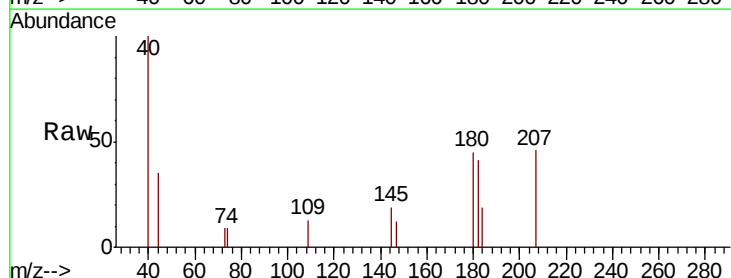
Instrument :
MSVOA_N
ClientSampled :

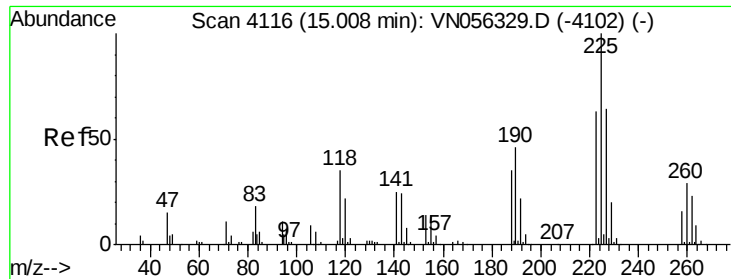
Tot Ion: 91 Resp: 2325
Ion Ratio Lower Upper
91 100
92 55.0 26.0 78.0
134 24.8 13.2 39.5



#93
1,2,4-Trichlorobenzene
Concen: 5.726 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056337.D
Acq: 17 Jun 2019 13:59

Tgt Ion: 180 Resp: 1328
Ion Ratio Lower Upper
180 100
182 98.0 47.4 142.3
145 29.1 14.0 41.9





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056337.D

Acq: 17 Jun 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

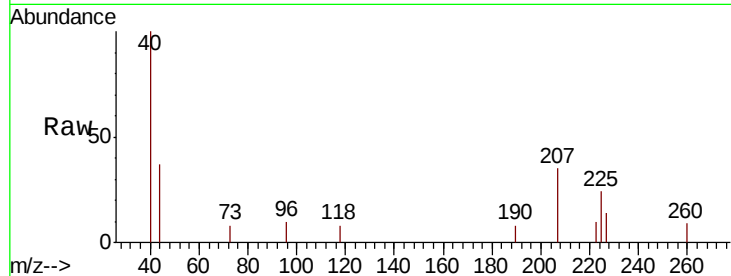
Tot Ion:225 Resp: 557

Ion Ratio Lower Upper

225 100

223 51.5 31.2 93.6

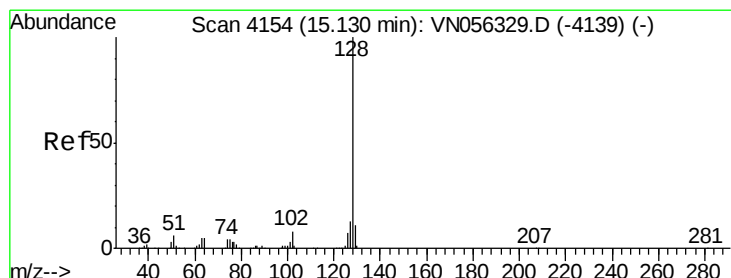
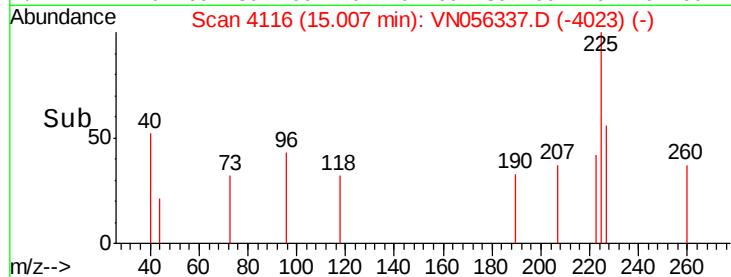
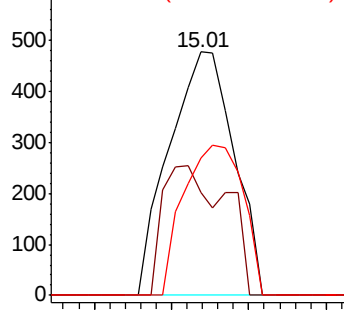
227 56.7 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.260 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056337.D

Acq: 17 Jun 2019 13:59

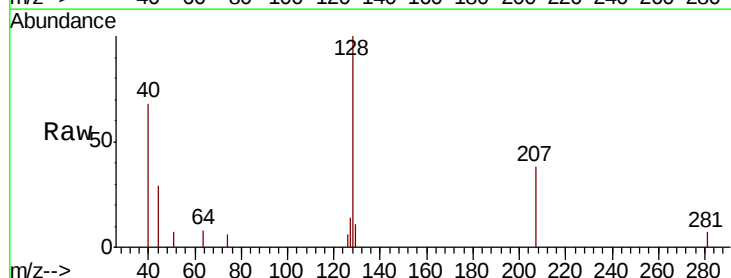
Tgt Ion:128 Resp: 4933

Ion Ratio Lower Upper

128 100

127 11.3 10.6 15.8

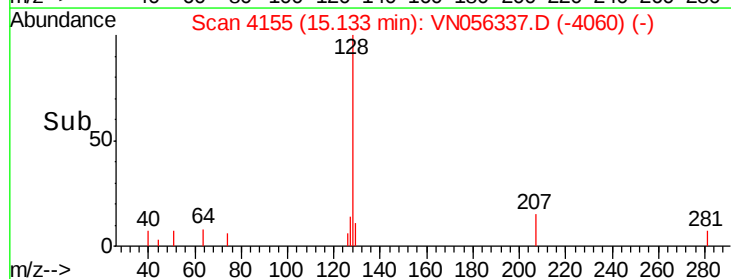
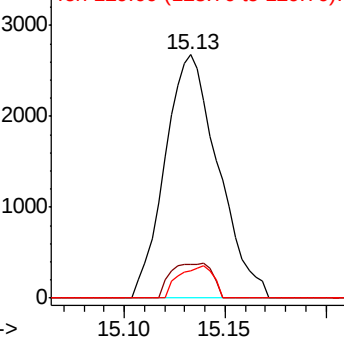
129 8.7 8.6 12.8

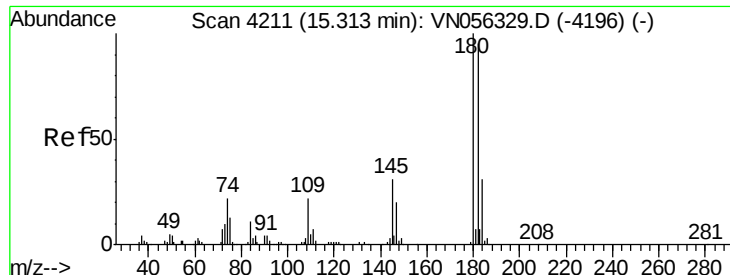


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

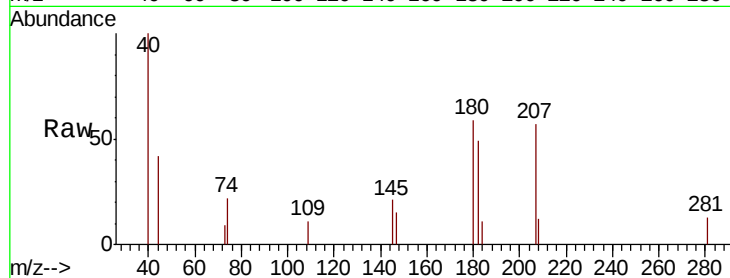




#96
 1,2,3-Trichlorobenzene
 Concen: 4.389 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN056337.D
 Acq: 17 Jun 2019 13:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.4
145	27.5	14.9	44.9



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

