

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057956.D
 Acq On : 12 Sep 2019 9:46
 Operator : JC/SP
 Sample : VN0913WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL01

Quant Time: Sep 13 04:40:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

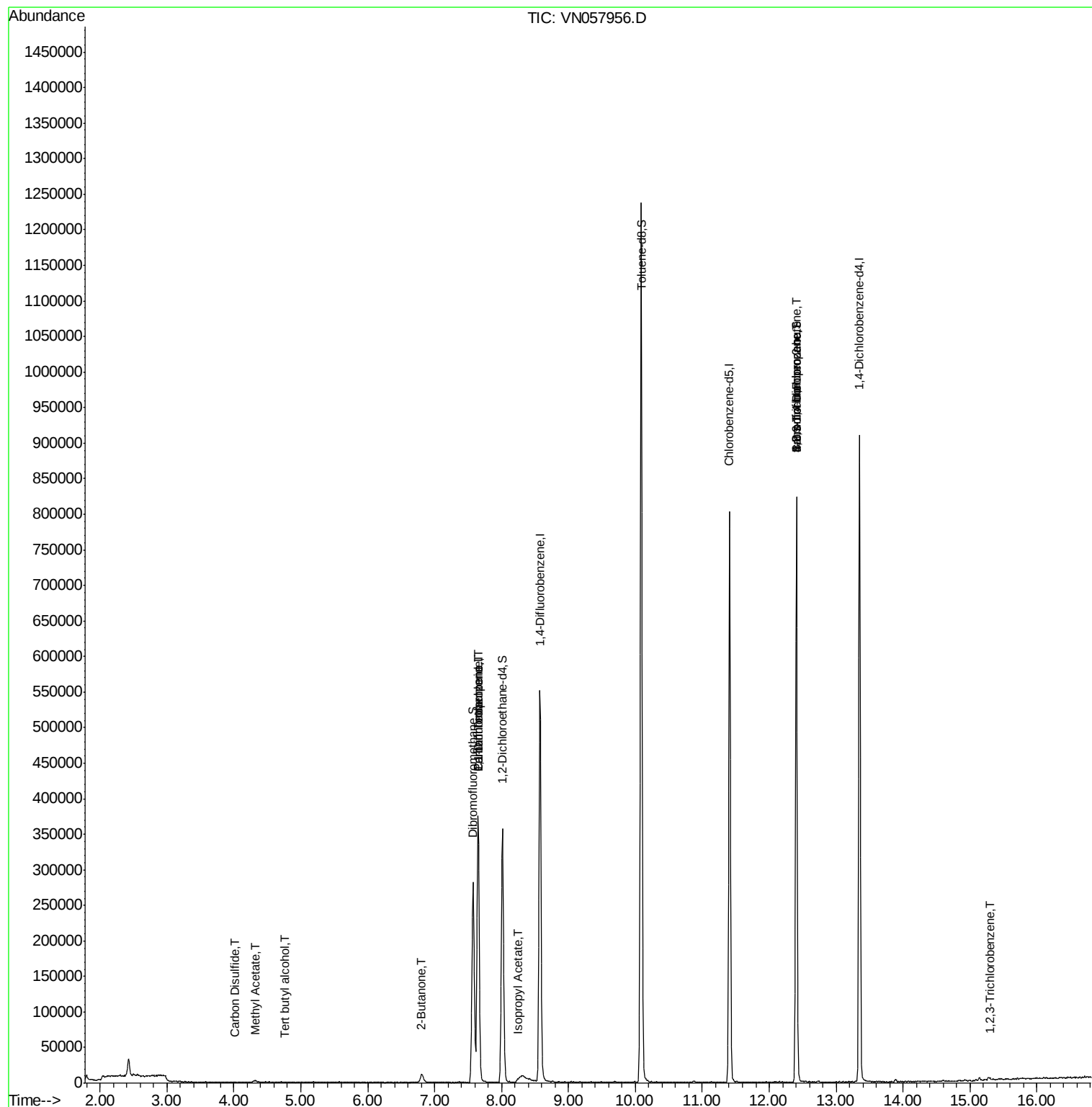
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	291798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	474822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	430716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	310851	52.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.20%	
35) Dibromofluoromethane	7.57	113	214323	48.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.82%	
50) Toluene-d8	10.09	98	850315	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.40	95	273562	42.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.38%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.54	94	255	Below Cal		84
11) Tert butyl alcohol	4.75	59	228	0.319 ug/l #		72
17) Carbon Disulfide	4.02	76	273	0.215 ug/l #		75
18) Methyl Acetate	4.31	43	6284	1.216 ug/l #		71
20) Methylene Chloride	4.53	84	337	Below Cal #		27
25) 2-Butanone	6.81	43	658	0.235 ug/l #		49
31) Cyclohexane	7.65	56	7417	Below Cal #		15
36) 1,1-Dichloropropene	7.65	75	25809	4.687 ug/l #		52
38) Carbon Tetrachloride	7.65	117	29767	5.921 ug/l #		15
43) Isopropyl Acetate	8.24	43	2492	0.260 ug/l #		56
71) Bromoform	12.41	173	801	0.328 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	148526	29.537 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	148526	103.941 ug/l #		6
95) Naphthalene	15.14	128	3221	Below Cal		95
96) 1,2,3-Trichlorobenzene	15.30	180	1023	1.221 ug/l		75

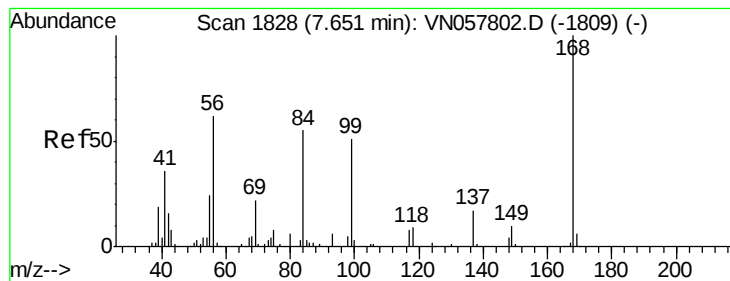
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057956.D

Acq: 12 Sep 2019 9:46

Instrument :

MSVOA_N

ClientSampleId :

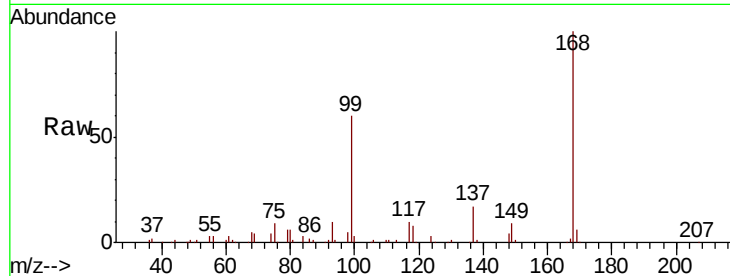
VN0913WBL01

Tgt Ion: 168 Resp: 291798

Ion Ratio Lower Upper

168 100

99 60.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

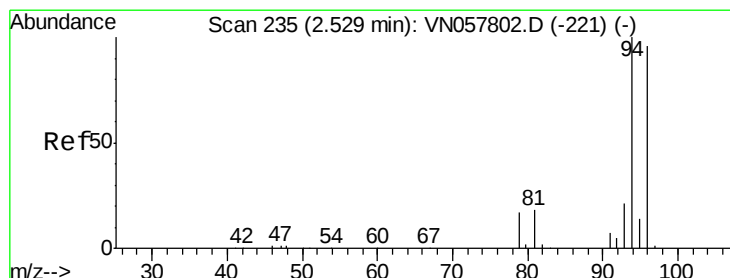
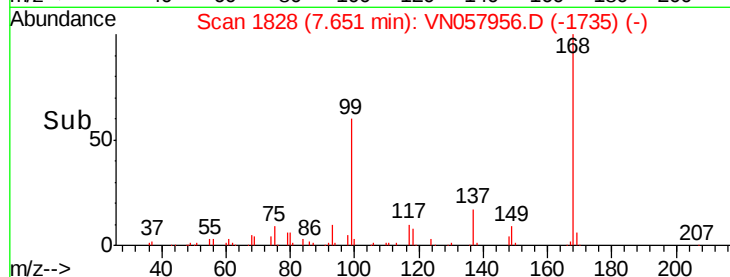
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN057956.D

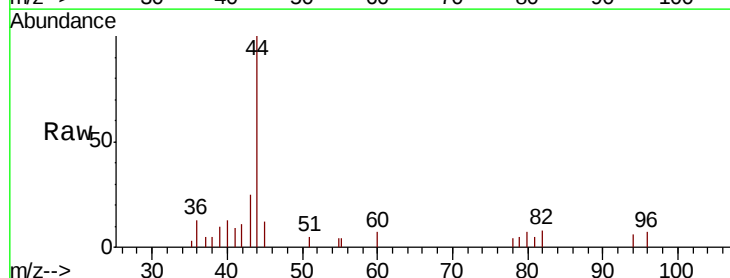
Acq: 12 Sep 2019 9:46

Tgt Ion: 94 Resp: 255

Ion Ratio Lower Upper

94 100

96 111.4 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)

2.54

300

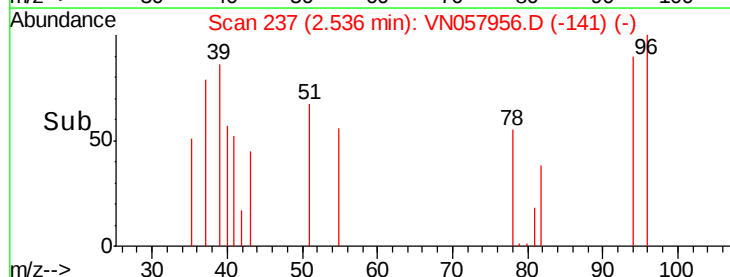
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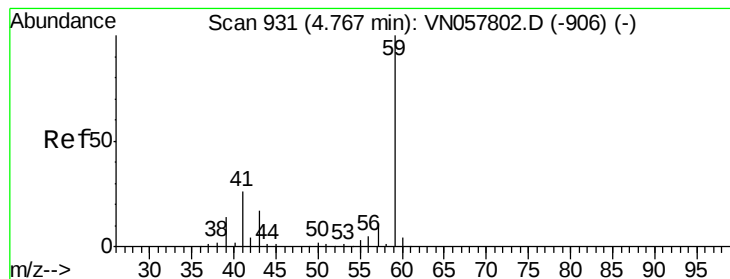
100

0

2.52 2.54 2.56

Time-->



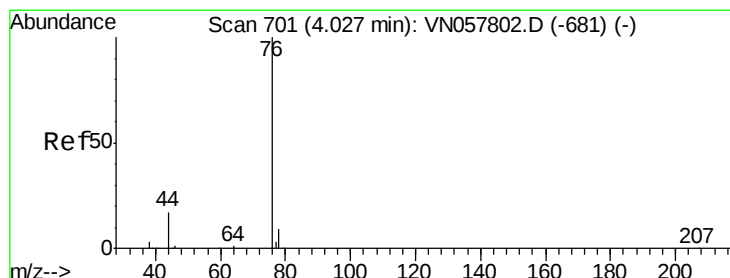
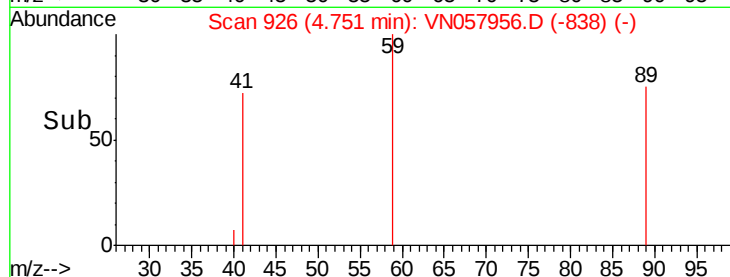
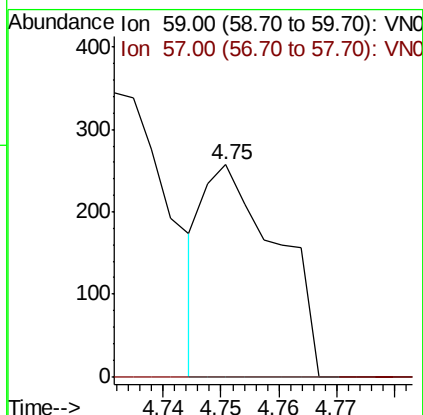
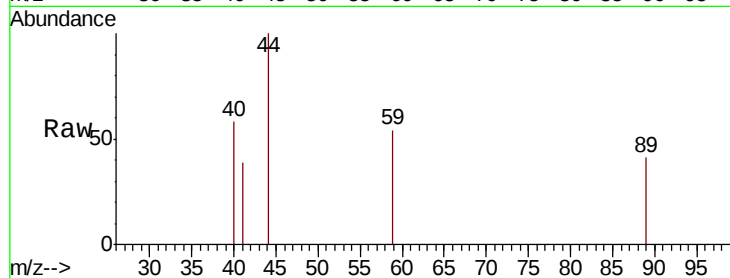


#11

Tert butyl alcohol
 Concen: 0.319 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: VN057956.D
 Acq: 12 Sep 2019 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL01

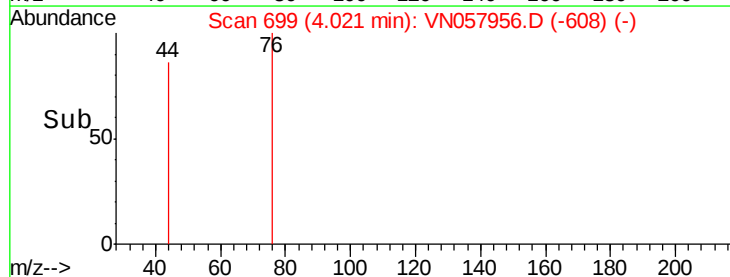
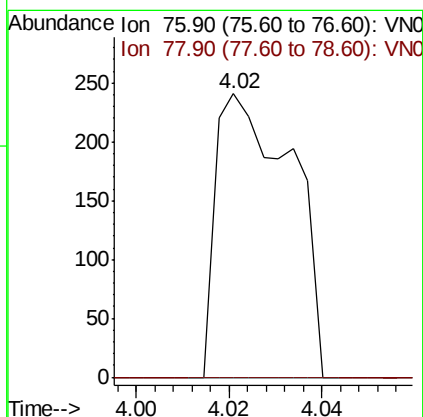
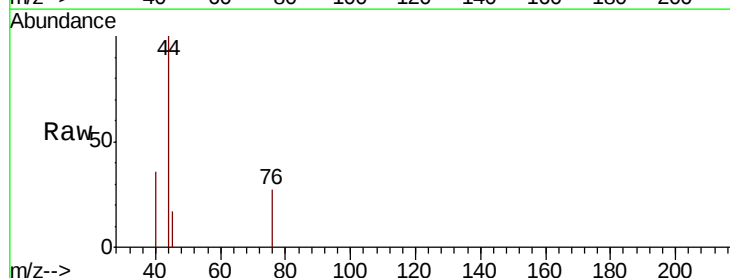
Tgt Ion: 59 Resp: 228
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

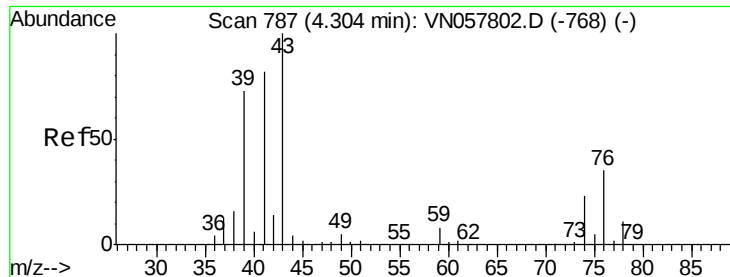


#17

Carbon Disulfide
 Concen: 0.215 ug/l
 RT: 4.02 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VN057956.D
 Acq: 12 Sep 2019 9:46

Tgt Ion: 76 Resp: 273
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.1 10.7#

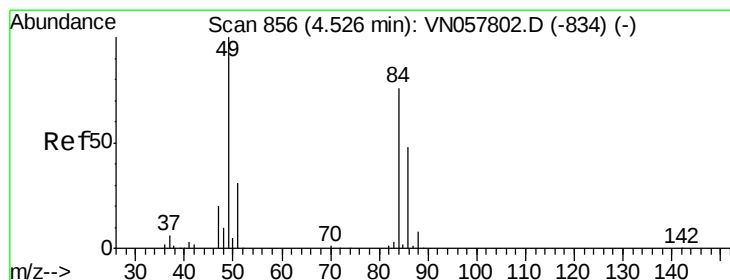
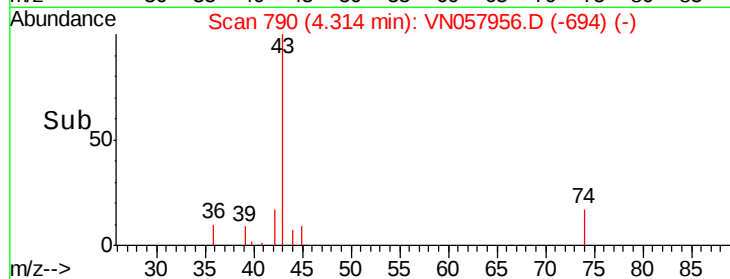
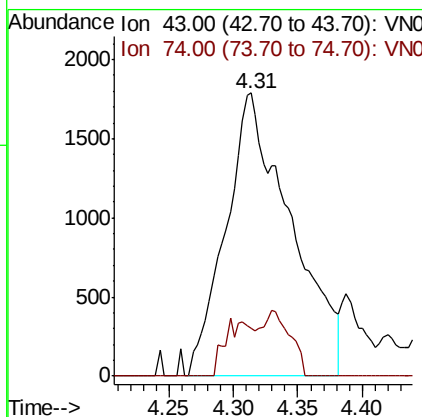
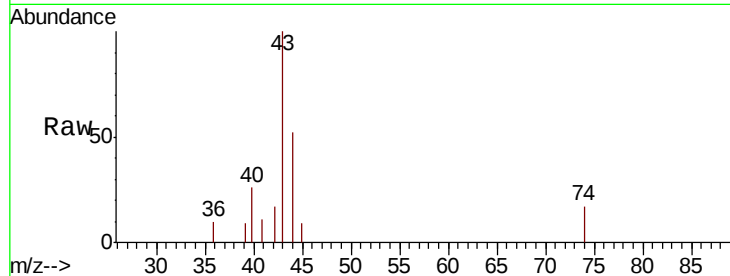




#18
Methyl Acetate
Concen: 1.216 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057956.D
Acq: 12 Sep 2019 9:46

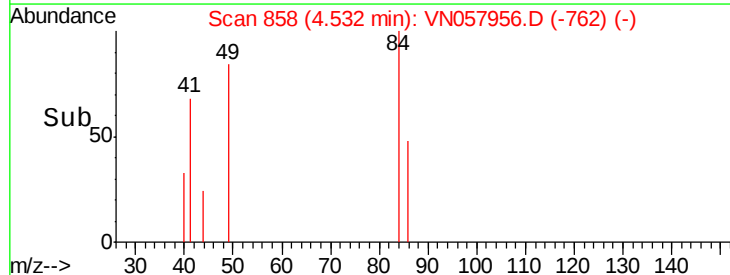
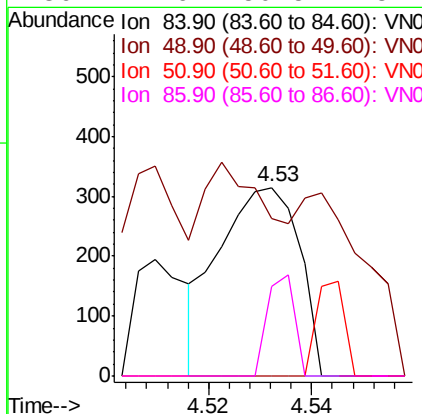
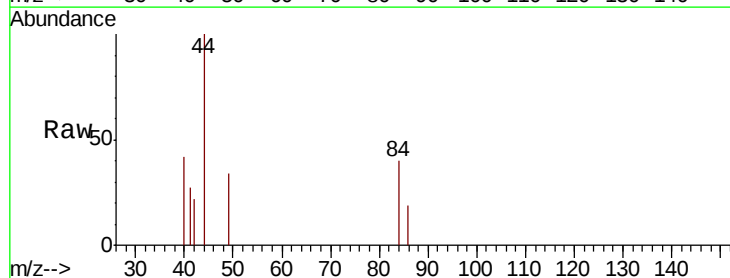
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

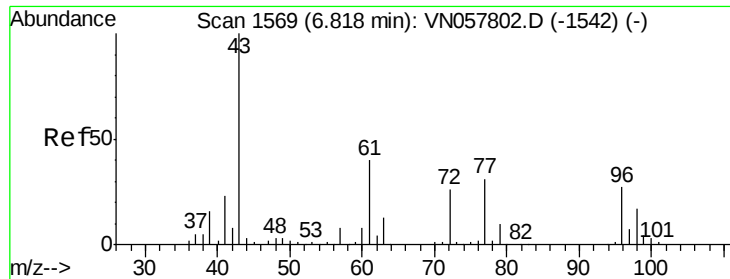
Tgt Ion: 43 Resp: 6284
Ion Ratio Lower Upper
43 100
74 8.5 17.9 26.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057956.D
Acq: 12 Sep 2019 9:46

Tgt Ion: 84 Resp: 337
Ion Ratio Lower Upper
84 100
49 12.1 104.8 157.2#
51 0.0 33.0 49.4#
86 47.6 50.5 75.7#

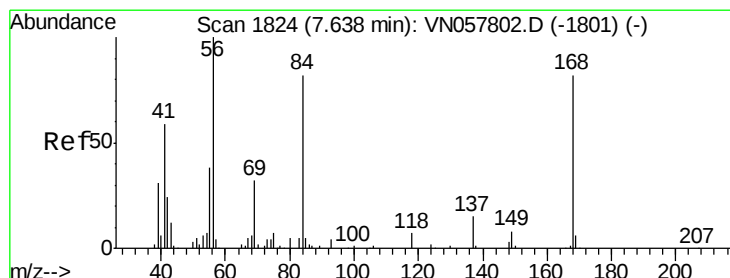
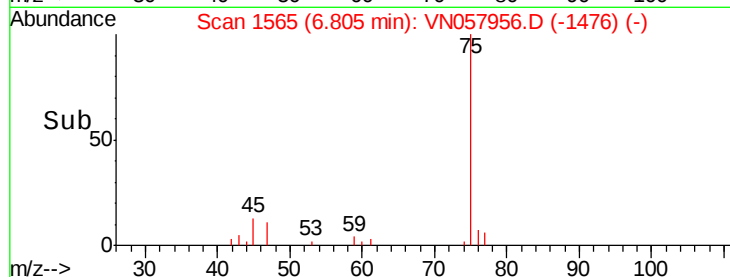
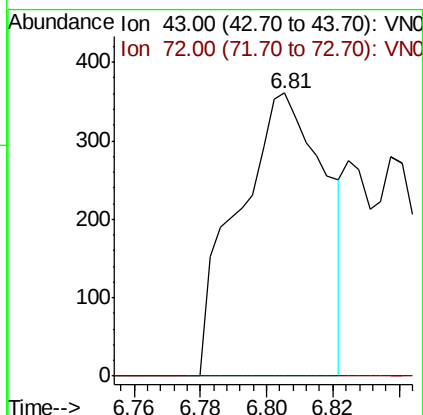
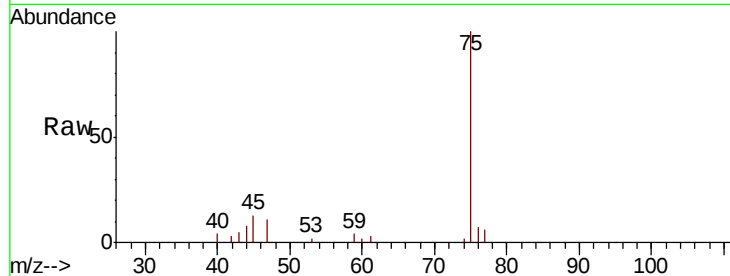




#25
2-Butanone
Concen: 0.235 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VN057956.D
Acq: 12 Sep 2019 9:46

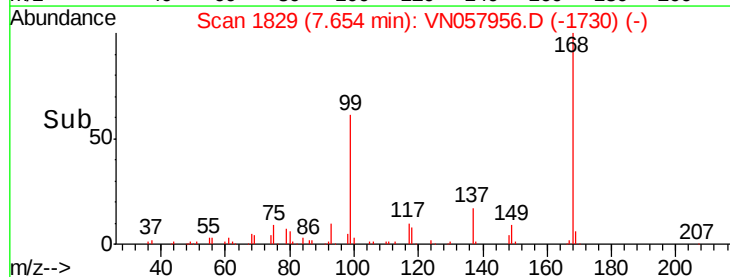
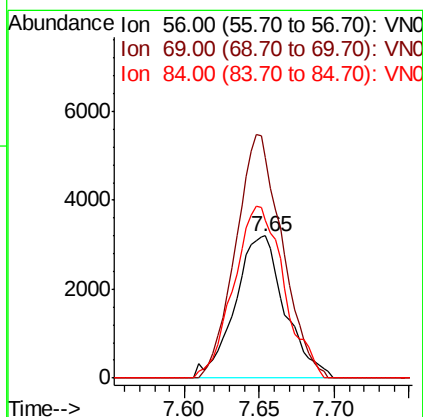
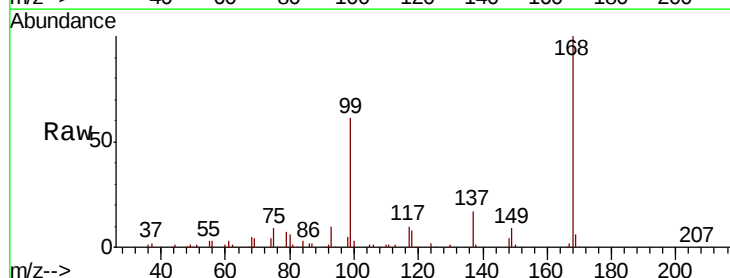
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

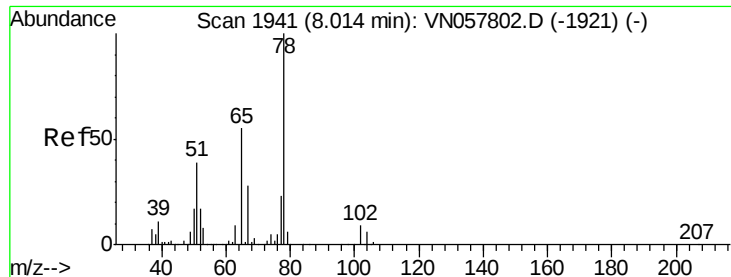
Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN057956.D
Acq: 12 Sep 2019 9:46

Tgt Ion: 56 Resp: 7417
Ion Ratio Lower Upper
56 100
69 155.0 25.9 38.9#
84 110.5 65.6 98.4#

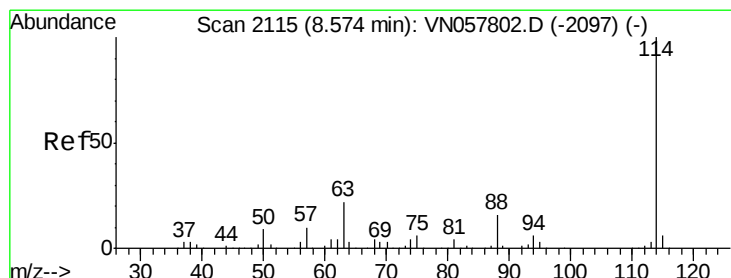
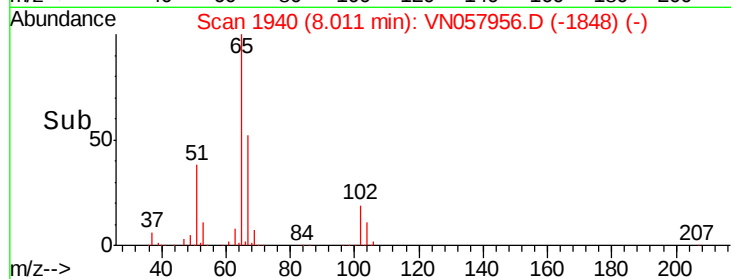
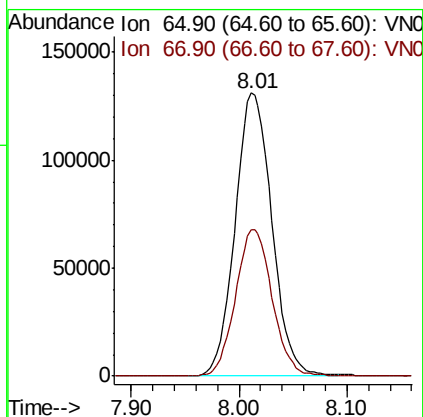
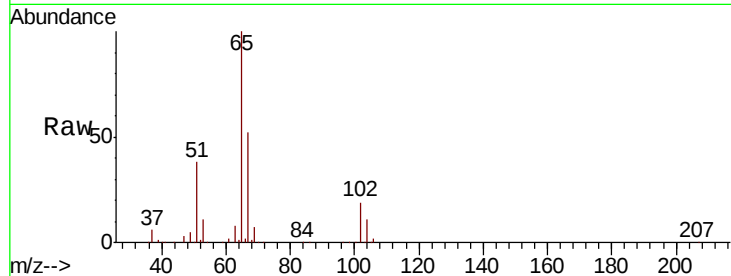




#33
 1,2-Dichloroethane-d4
 Concen: 52.596 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057956.D
 Acq: 12 Sep 2019 9:46

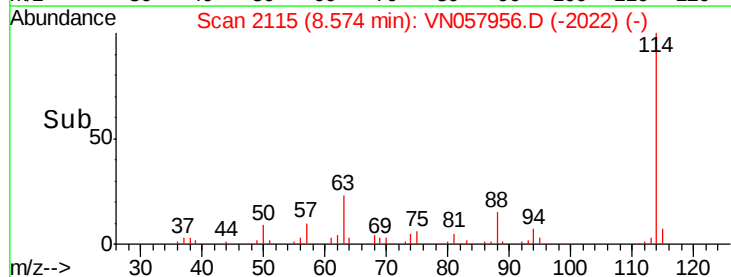
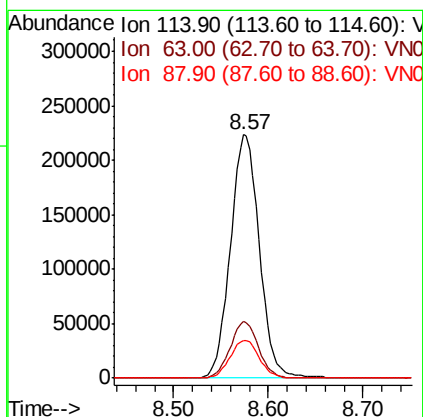
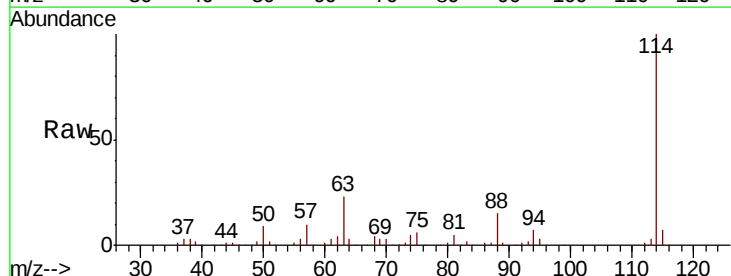
Instrument :
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 ClientSampleId :
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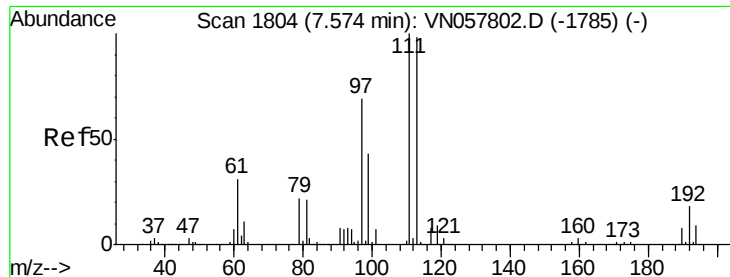
Tgt Ion: 65 Resp: 310851
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057956.D
 Acq: 12 Sep 2019 9:46

Tgt Ion: 114 Resp: 474822
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 44.0
 88 15.5 0.0 31.4

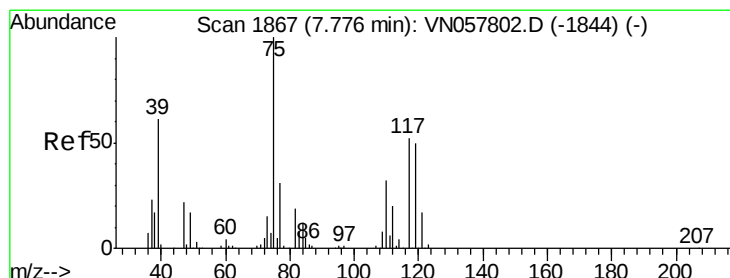
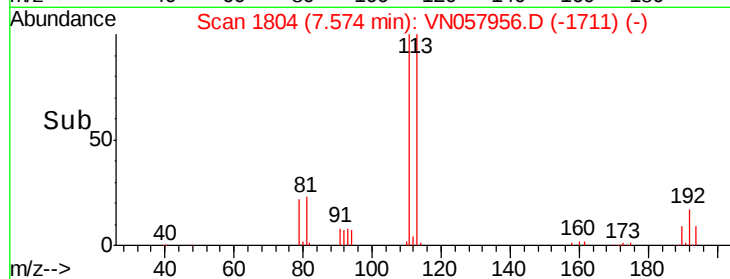
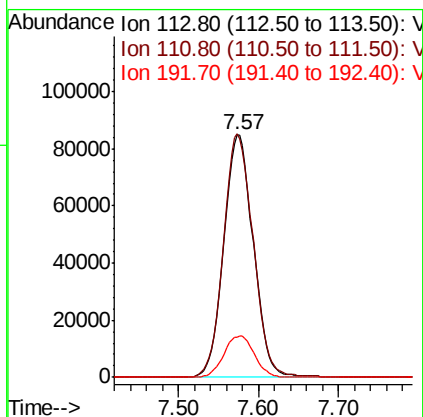
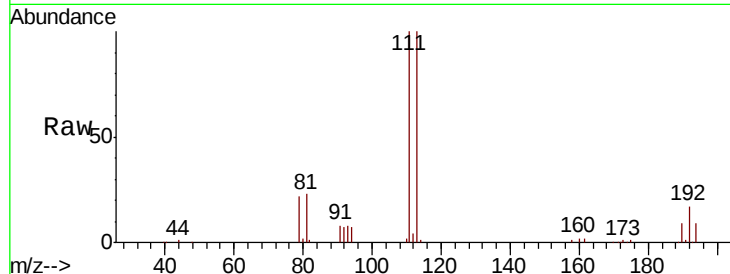




#35
 Dibromofluoromethane
 Concen: 48.905 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057956.D
 Acq: 12 Sep 2019 9:46

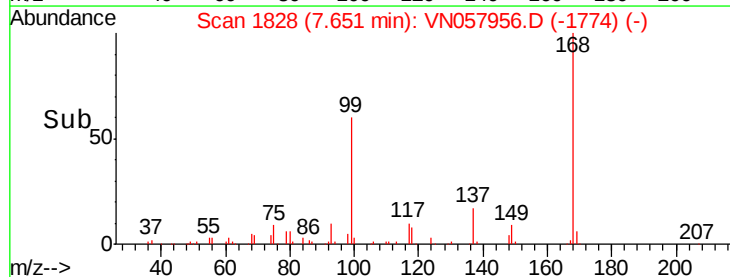
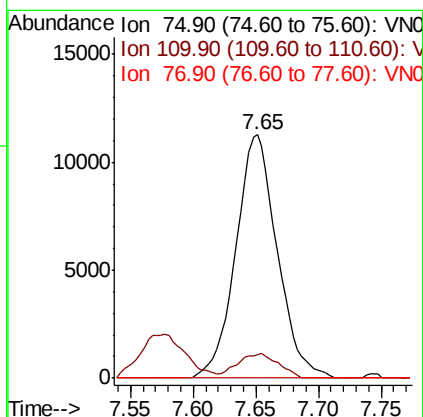
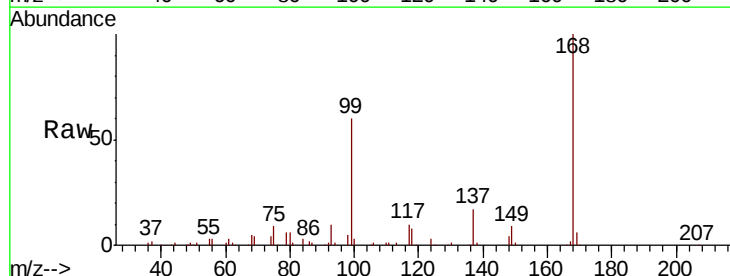
Instrument :
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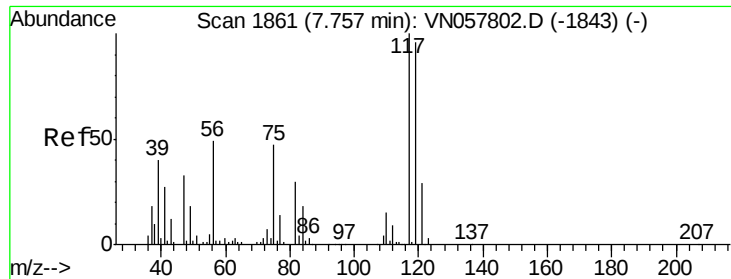
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.3	121.9
192	17.5	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057956.D
 Acq: 12 Sep 2019 9:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	16.3	48.9#
77	0.0	25.0	37.4#

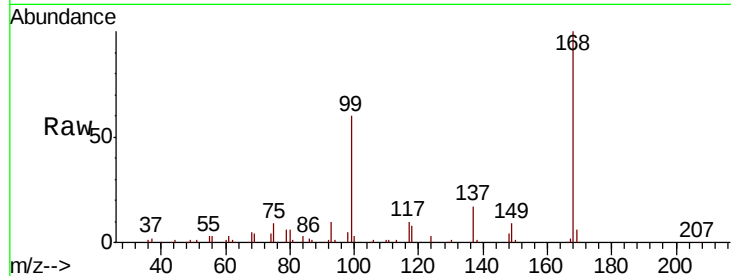




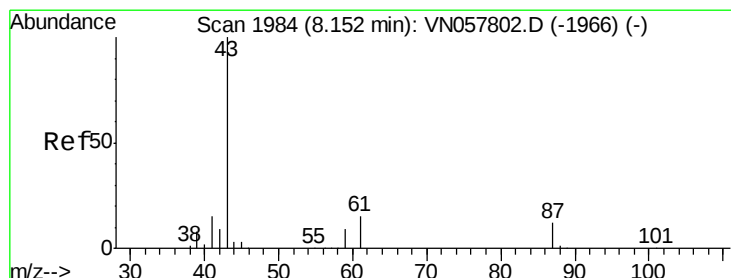
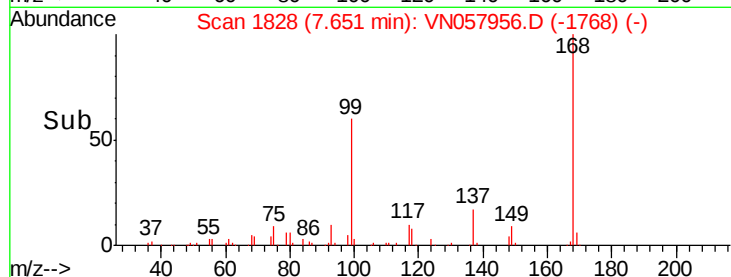
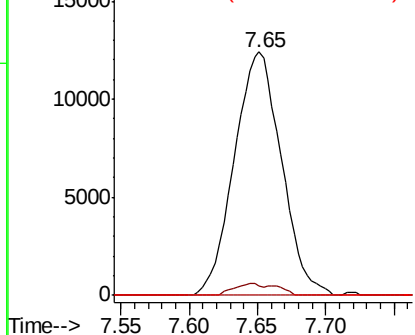
#38
Carbon Tetrachloride
Concen: 5.921 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057956.D
Acq: 12 Sep 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

Tgt Ion: 117 Resp: 29767
Ion Ratio Lower Upper
117 100
119 3.8 76.9 115.3#
121 0.0 23.4 35.2#

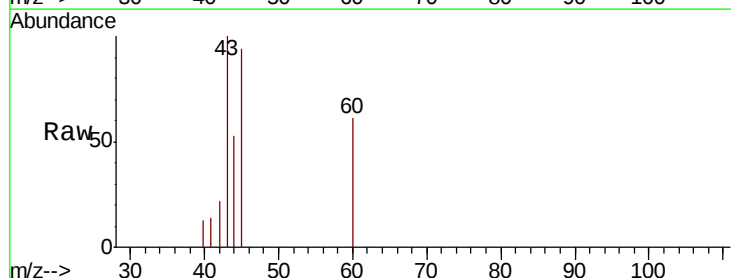


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

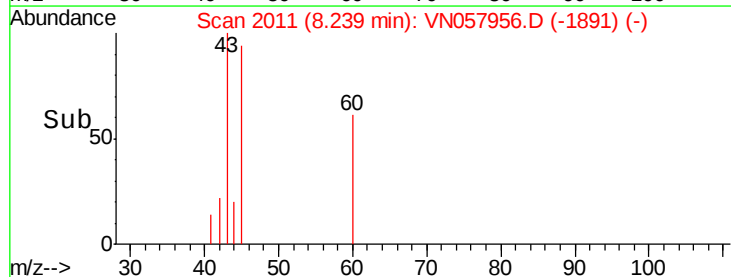
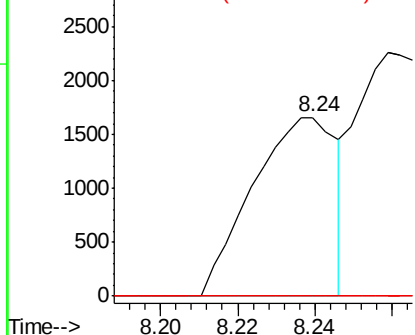


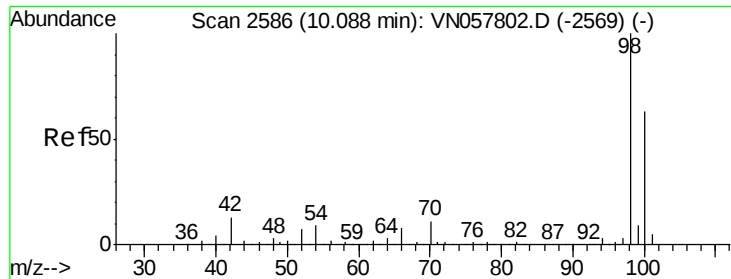
#43
Isopropyl Acetate
Concen: 0.260 ug/l
RT: 8.24 min Scan# 2011
Delta R.T. 0.09 min
Lab File: VN057956.D
Acq: 12 Sep 2019 9:46

Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
61 0.0 20.1 30.1#
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.975 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057956.D

Acq: 12 Sep 2019 9:46

Instrument :

MSVOA_N

ClientSampled :

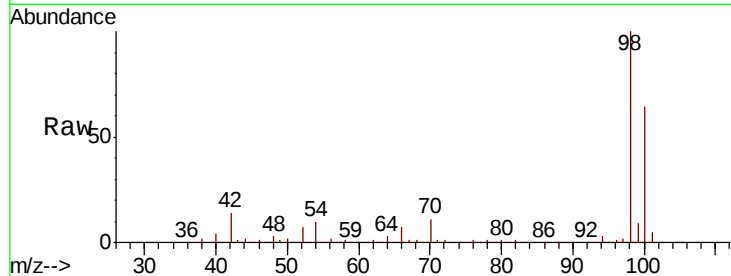
VN0913WBL01

Tgt Ion: 98 Resp: 850315

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

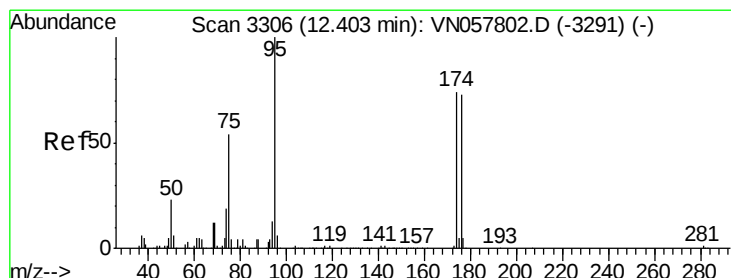
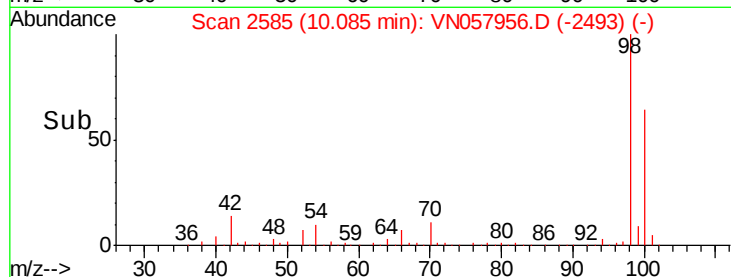
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.189 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057956.D

Acq: 12 Sep 2019 9:46

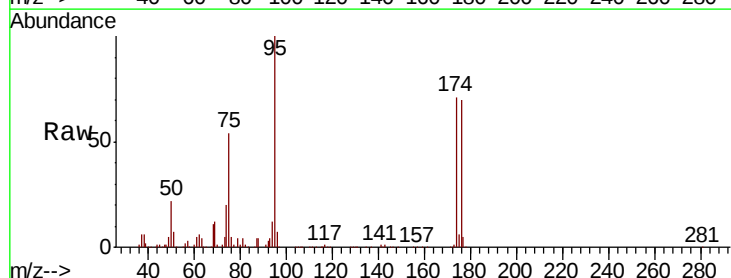
Tgt Ion: 95 Resp: 273562

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.2

176 72.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

200000

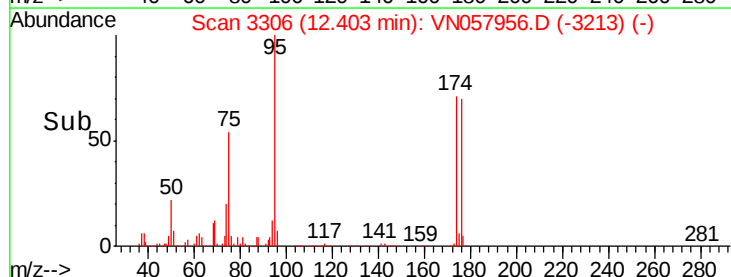
150000

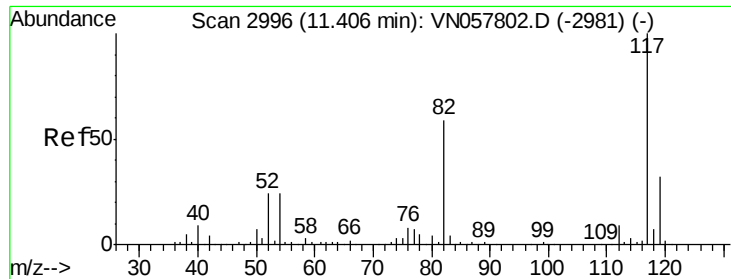
100000

50000

0

Time-->

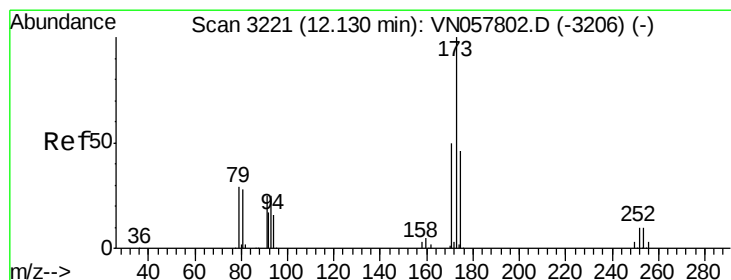
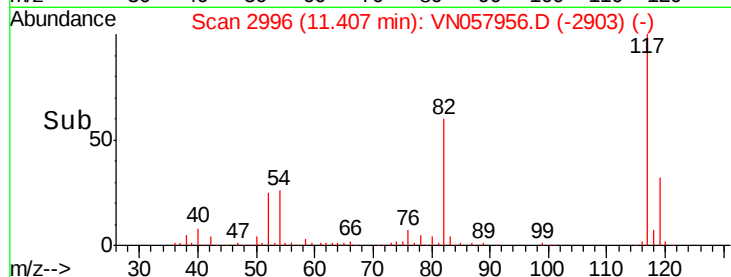
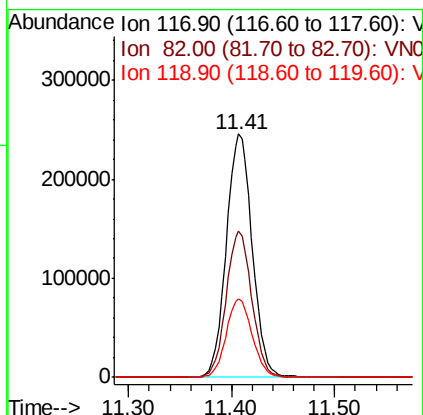
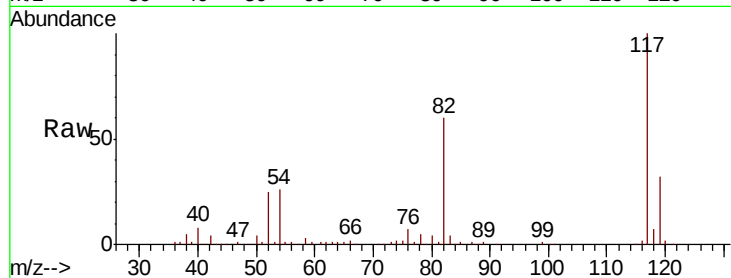




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057956.D
Acq: 12 Sep 2019 9:46

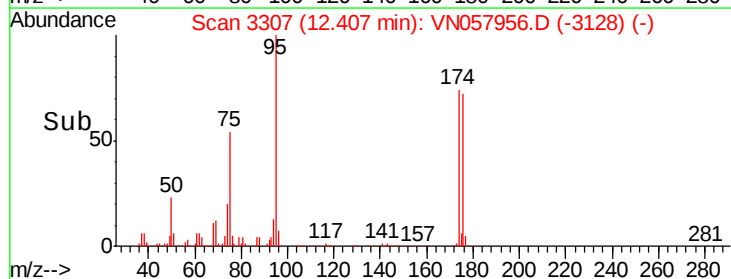
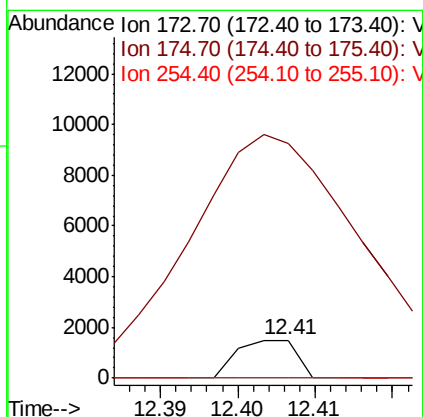
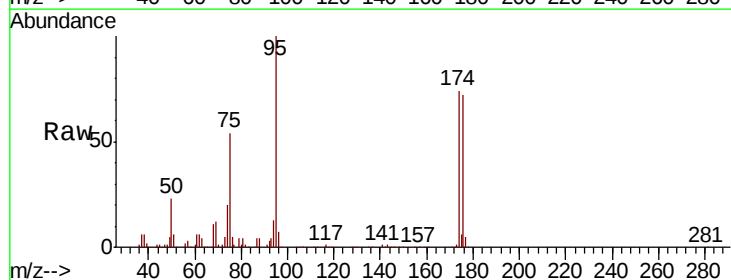
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

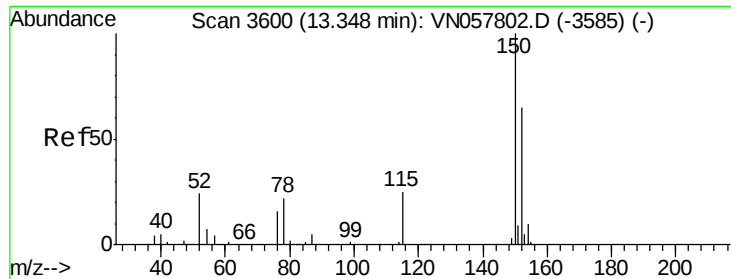
Tgt Ion:117 Resp: 430716
Ion Ratio Lower Upper
117 100
82 60.1 47.2 70.8
119 32.3 25.3 37.9



#71
Bromoform
Concen: 0.328 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN057956.D
Acq: 12 Sep 2019 9:46

Tgt Ion:173 Resp: 801
Ion Ratio Lower Upper
173 100
175 1667.5 23.5 70.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057956.D

Acq: 12 Sep 2019 9:46

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL01

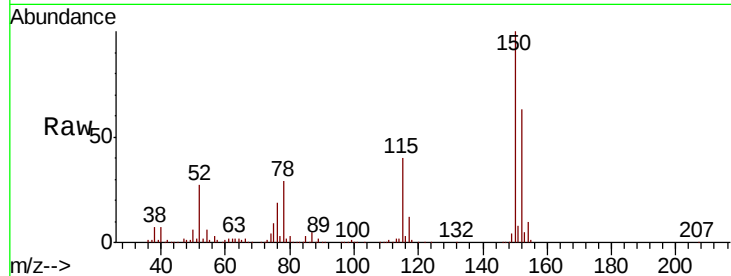
Tgt Ion: 152 Resp: 222286

Ion Ratio Lower Upper

152 100

115 62.0 30.3 91.0

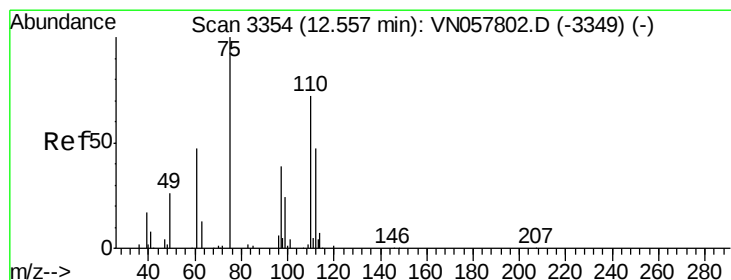
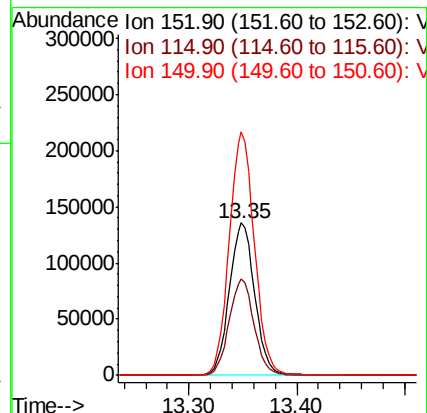
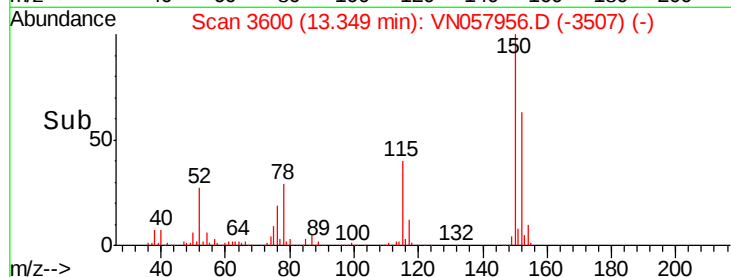
150 158.2 0.0 352.4



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: 29.537 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057956.D

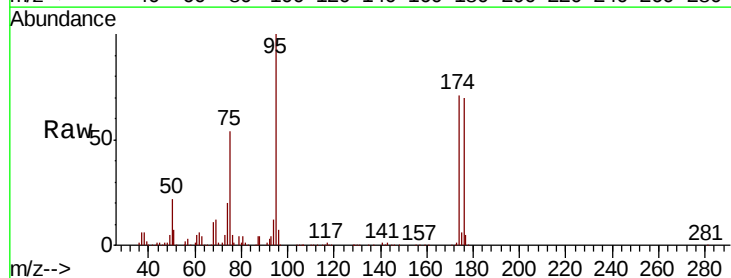
Acq: 12 Sep 2019 9:46

Tgt Ion: 75 Resp: 148526

Ion Ratio Lower Upper

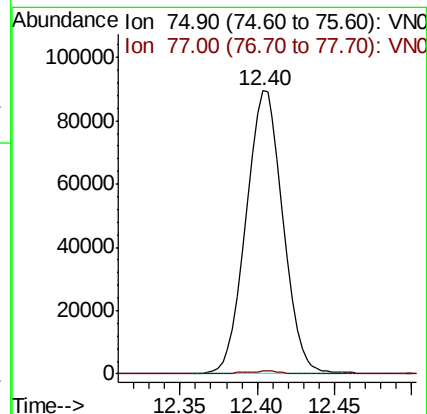
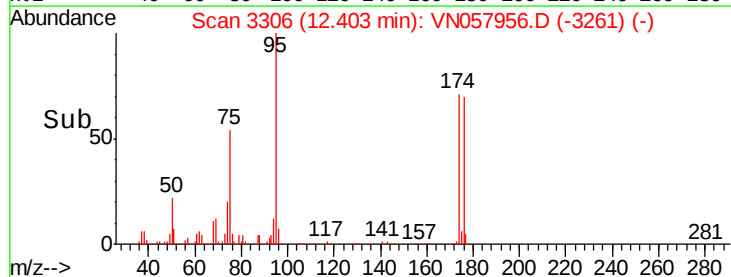
75 100

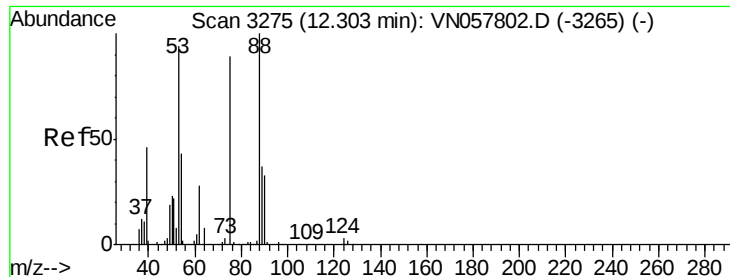
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 103.941 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057956.D

Acq: 12 Sep 2019 9:46

Instrument :

MSVOA_N

ClientSampled :

VN0913WBL01

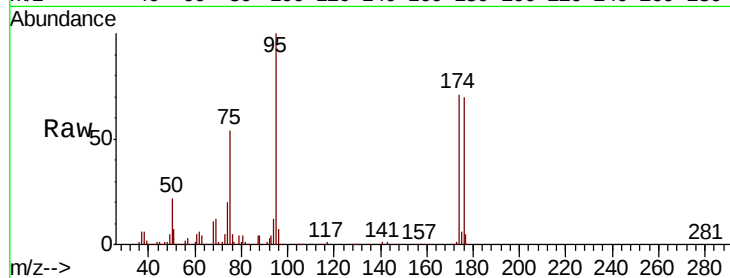
Tgt Ion: 75 Resp: 148526

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

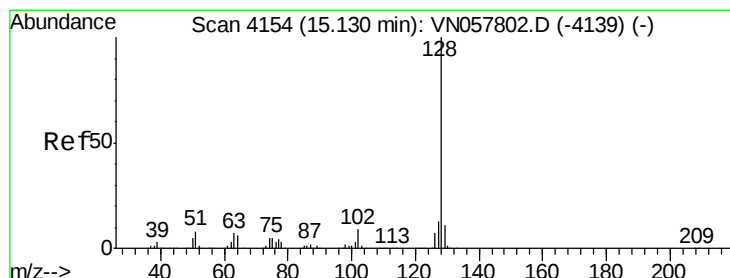
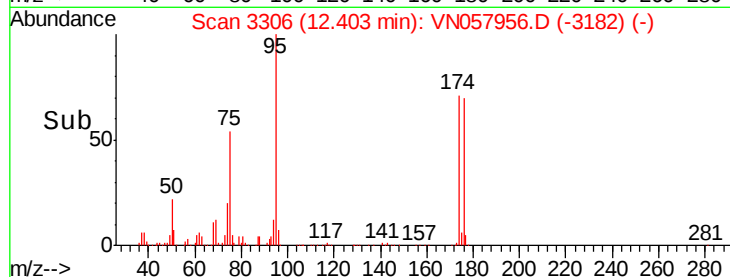
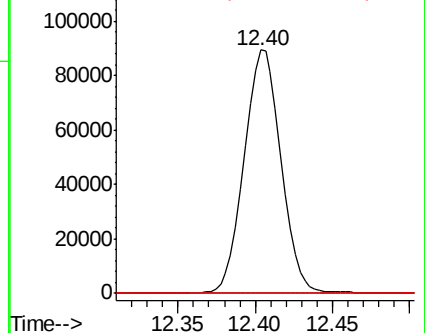
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057802.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057802.D (-3265) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN057956.D

Acq: 12 Sep 2019 9:46

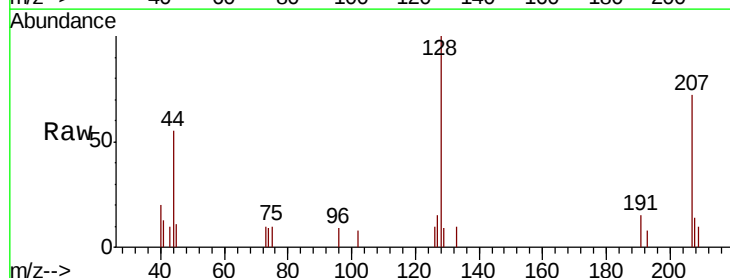
Tgt Ion: 128 Resp: 3221

Ion Ratio Lower Upper

128 100

127 15.0 10.3 15.5

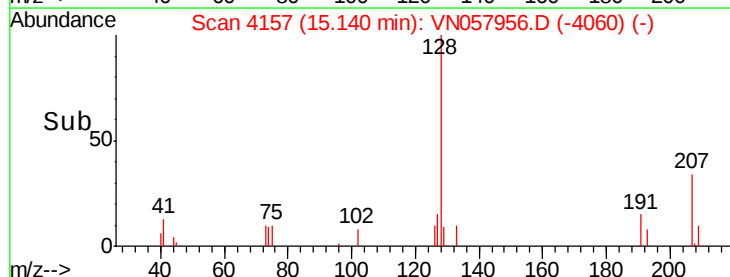
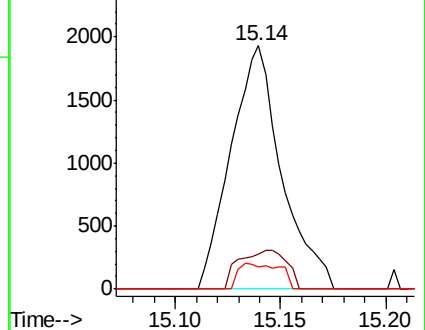
129 8.6 8.6 12.8

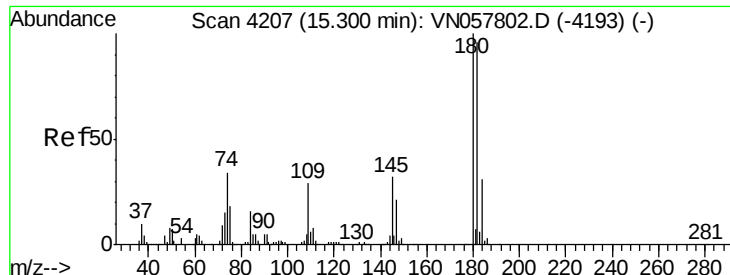


Abundance Ion 128.00 (127.70 to 128.70): VN057802.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN057802.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN057802.D (-4139) (-)

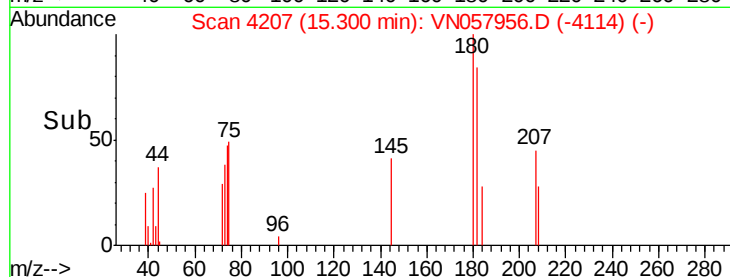
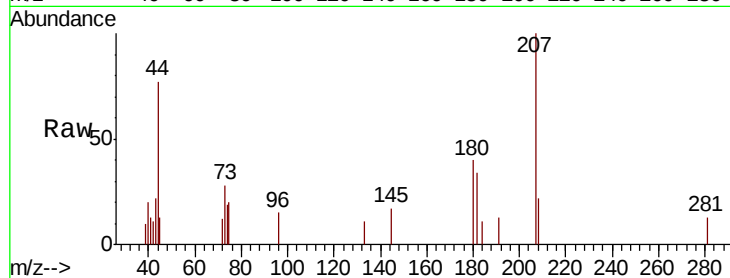




#96
 1,2,3-Trichlorobenzene
 Concen: 1.221 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057956.D
 Acq: 12 Sep 2019 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	67.0	48.3	144.8
145	27.5	16.3	48.8



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

