

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092519\
 Data File : VN058352.D
 Acq On : 25 Sep 2019 9:40
 Operator : JC/SP
 Sample : VN0925MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 01:06:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	488763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	811524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	686613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	275790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	359988	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
35) Dibromofluoromethane	7.57	113	256444	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.08	98	1010491	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.40	95	326377	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	

Target Compounds

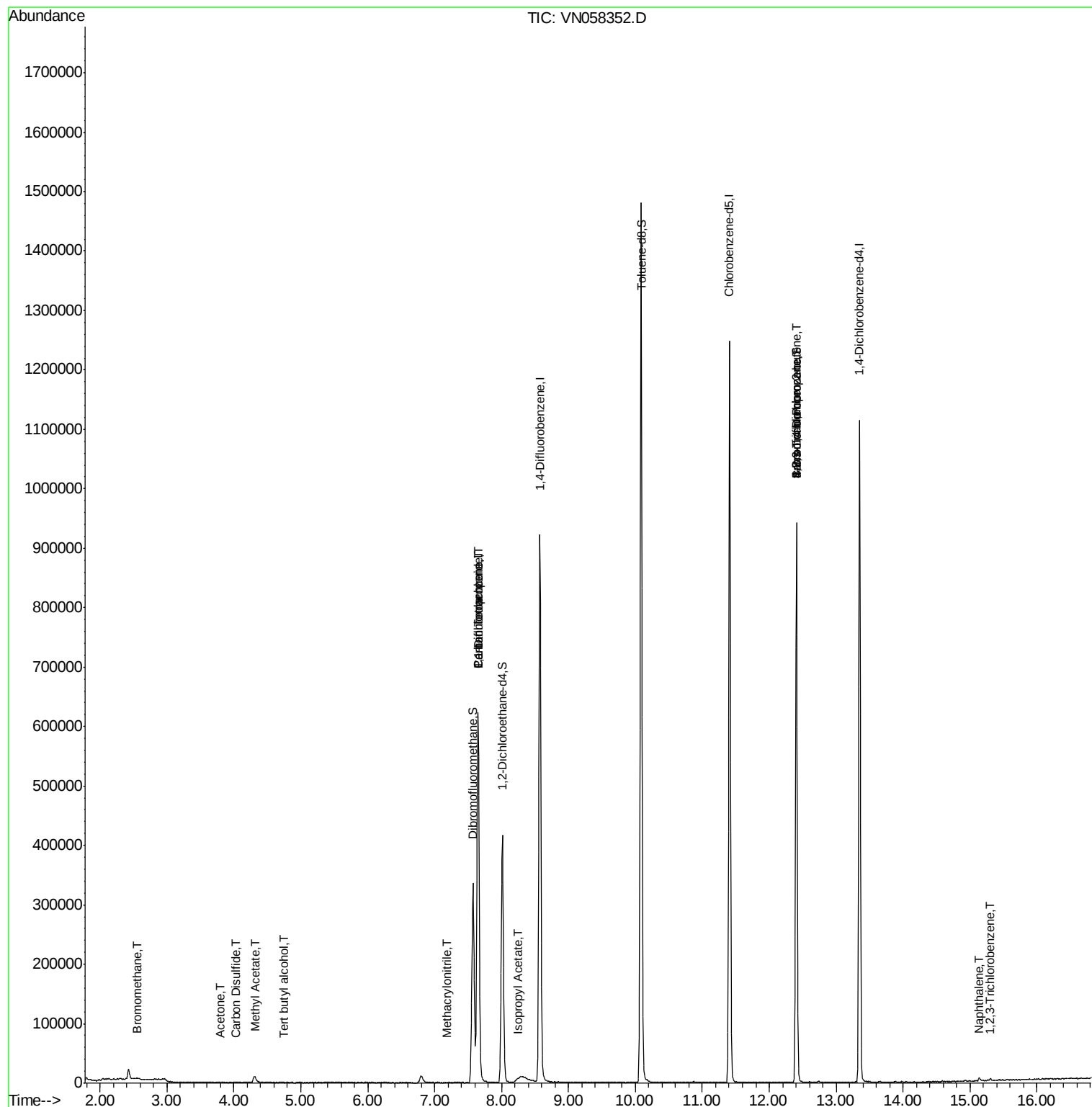
					Qvalue	
3) Chloromethane	2.03	50	494	Below Cal	#	42
5) Bromomethane	2.55	94	166	0.814	ug/l #	78
6) Chloroethane	2.69	64	59	Below Cal	#	44
11) Tert butyl alcohol	4.73	59	228	0.282	ug/l #	71
16) Acetone	3.81	43	715	0.309	ug/l #	45
17) Carbon Disulfide	4.04	76	168	0.310	ug/l #	74
18) Methyl Acetate	4.30	43	22981	3.780	ug/l	96
20) Methylene Chloride	4.53	84	430	Below Cal	#	45
31) Cyclohexane	7.65	56	12063	Below Cal	#	1
36) 1,1-Dichloropropene	7.65	75	43386	7.414	ug/l #	51
38) Carbon Tetrachloride	7.65	117	51332	8.726	ug/l #	15
41) Methacrylonitrile	7.19	41	31	0.921	ug/l #	100
43) Isopropyl Acetate	8.24	43	4722	0.416	ug/l #	57
71) Bromoform	12.40	173	2318	4.258	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	181029	36.677	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	181029	102.321	ug/l #	5
95) Naphthalene	15.14	128	4742	0.360	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.30	180	1271	0.265	ug/l	82

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

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
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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: VN058352.D

Acq: 25 Sep 2019 9:40

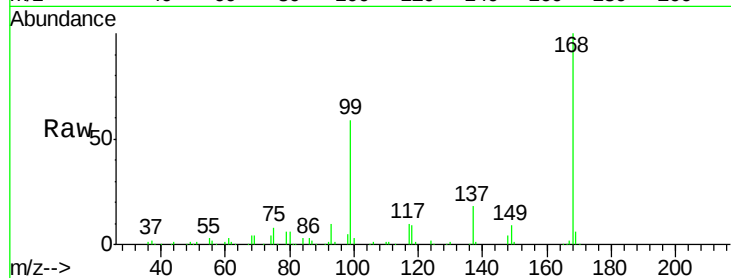
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 488763

Ion Ratio Lower Upper

168 100

99 59.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

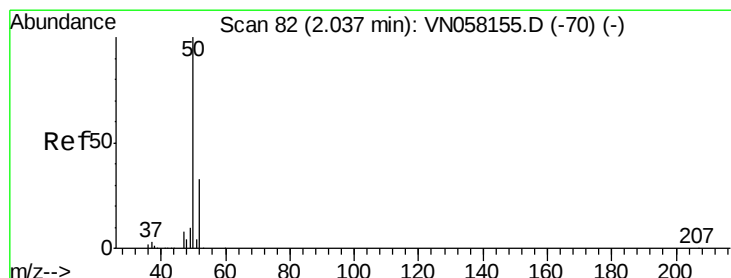
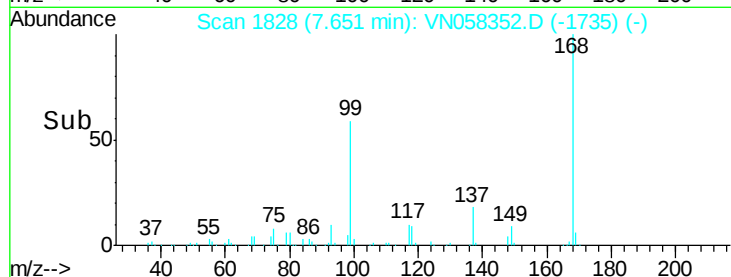
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058352.D

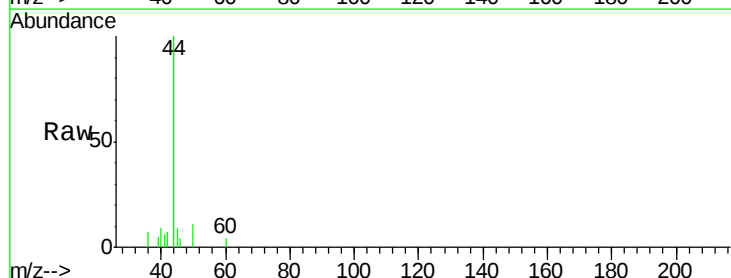
Acq: 25 Sep 2019 9:40

Tgt Ion: 50 Resp: 494

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

500

400

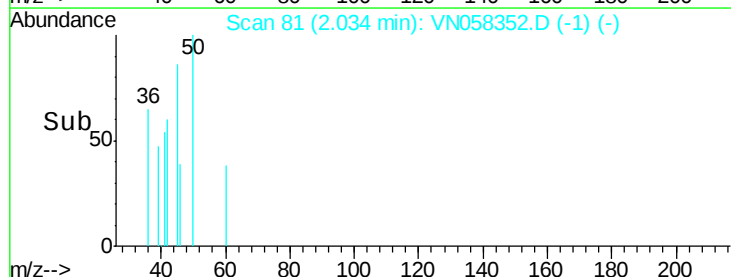
300

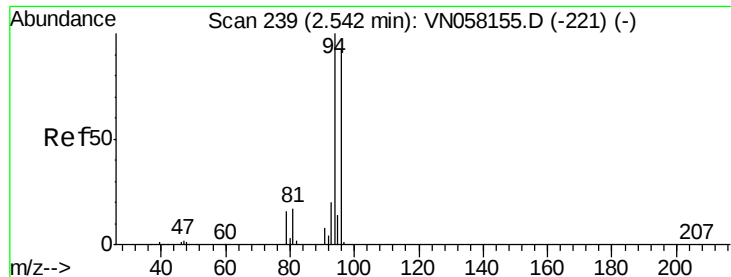
200

100

0

Time-->





#5

Bromomethane

Concen: 0.814 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058352.D

Acq: 25 Sep 2019 9:40

Instrument :

MSVOA_N

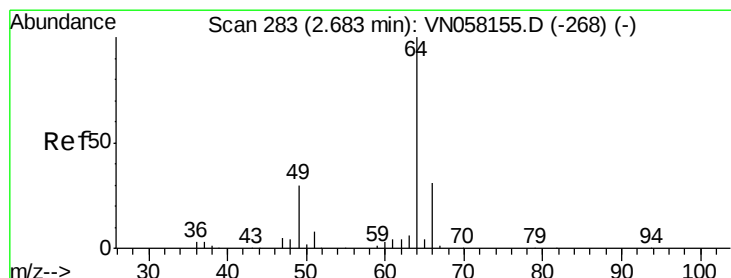
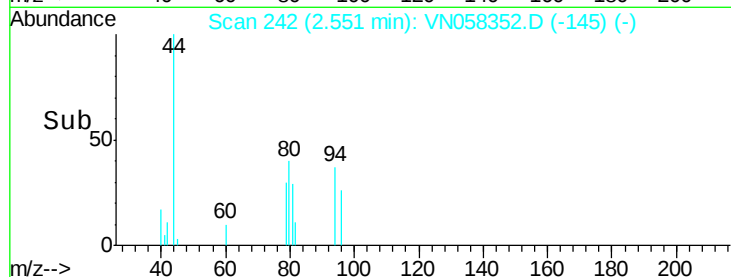
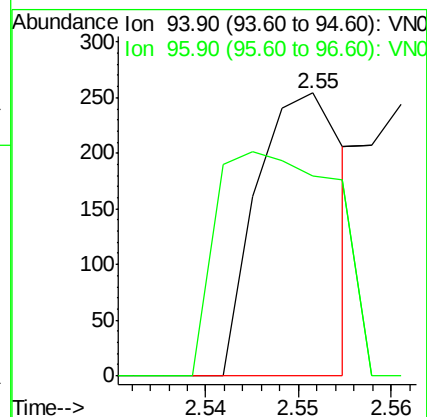
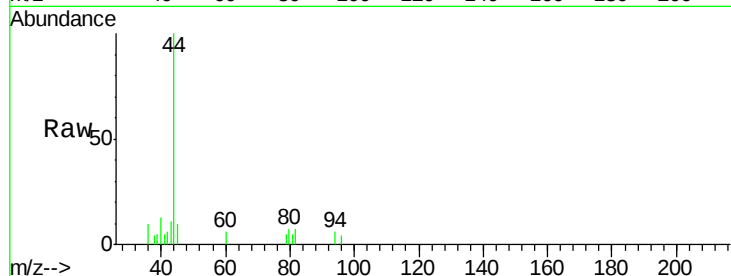
ClientSampleId :

Tot Ion: 94 Resp: 166

Ion Ratio Lower Upper

94 100

96 70.9 73.3 109.9#



#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058352.D

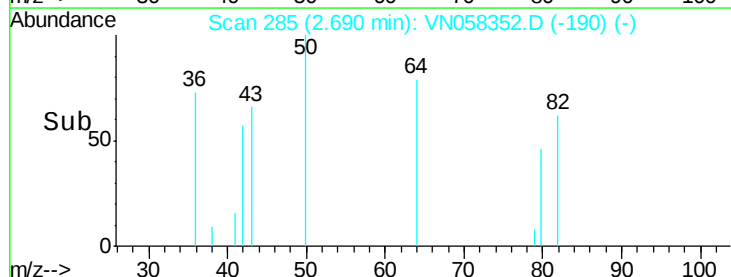
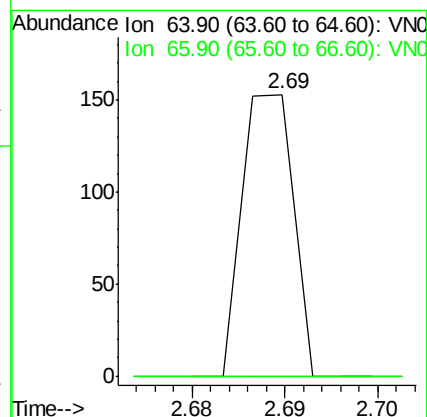
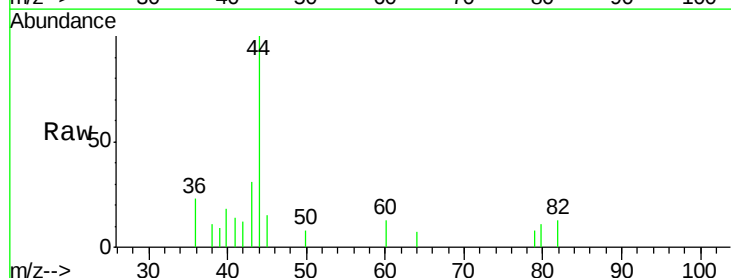
Acq: 25 Sep 2019 9:40

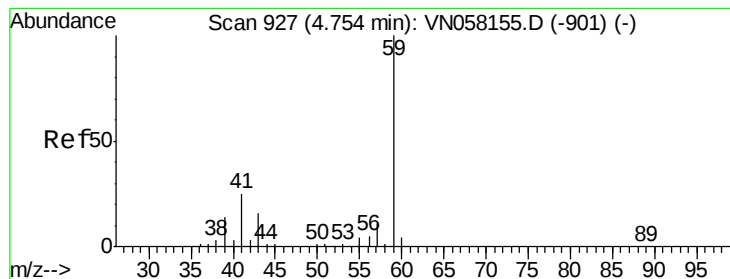
Tgt Ion: 64 Resp: 59

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



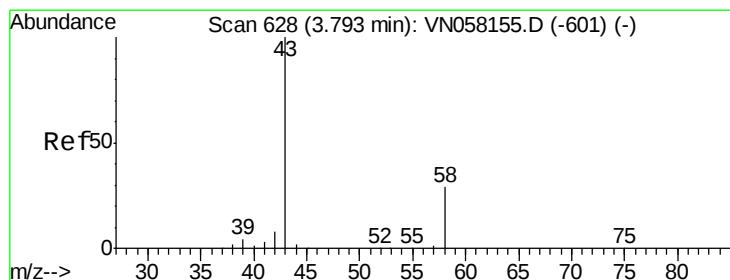
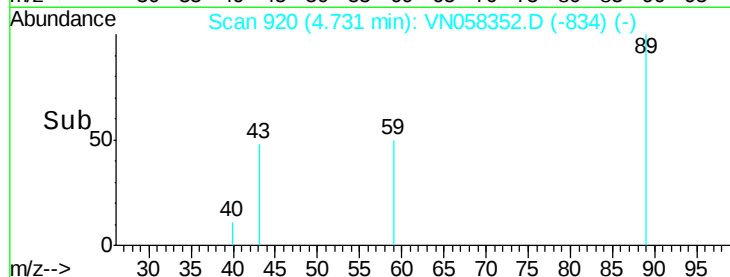
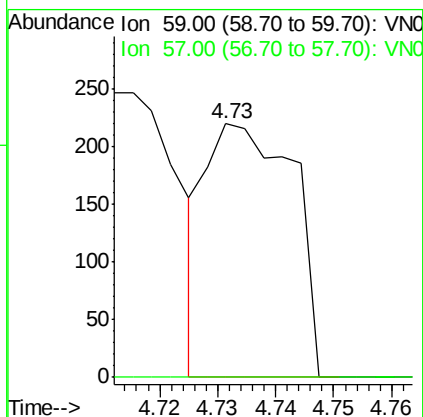
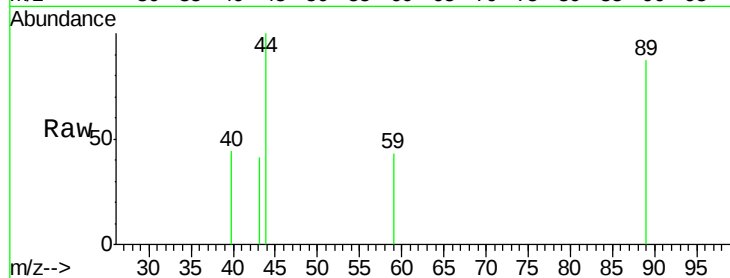


#11

Tert butyl alcohol
 Concen: 0.282 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: VN058352.D
 Acq: 25 Sep 2019 9:40

Instrument :
 MSVOA_N
 ClientSampled :

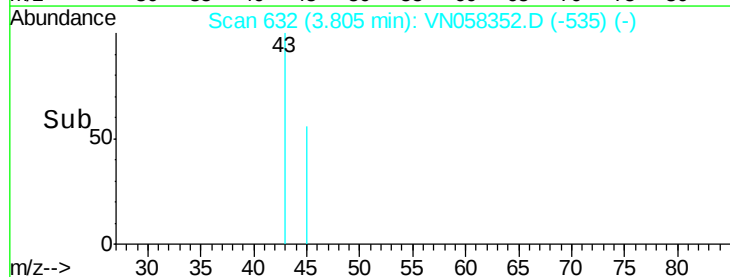
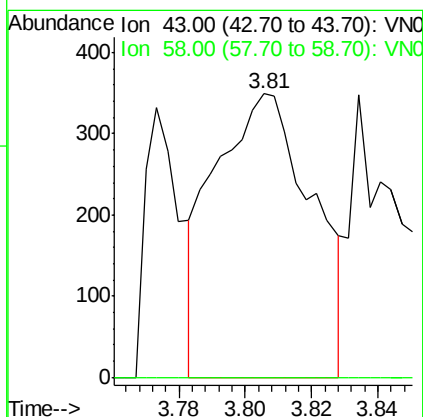
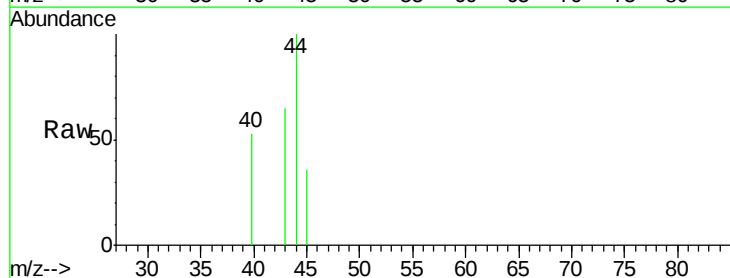
Tot Ion: 59 Resp: 228
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

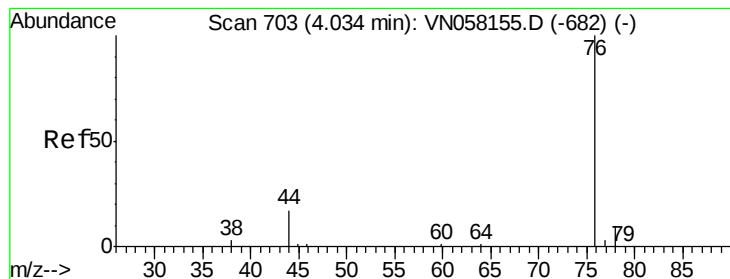


#16

Acetone
 Concen: 0.309 ug/l
 RT: 3.81 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VN058352.D
 Acq: 25 Sep 2019 9:40

Tgt Ion: 43 Resp: 715
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.4 35.2#





#17

Carbon Disulfide

Concen: 0.310 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN058352.D

Acq: 25 Sep 2019 9:40

Instrument :

MSVOA_N

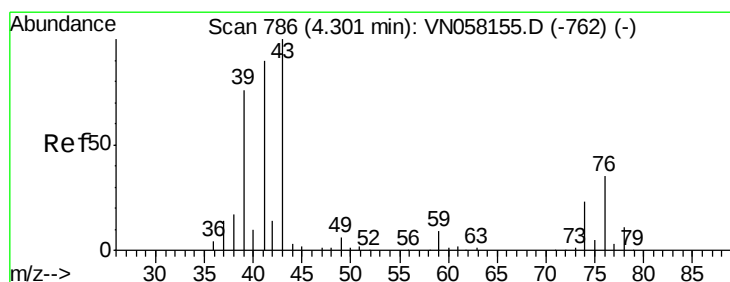
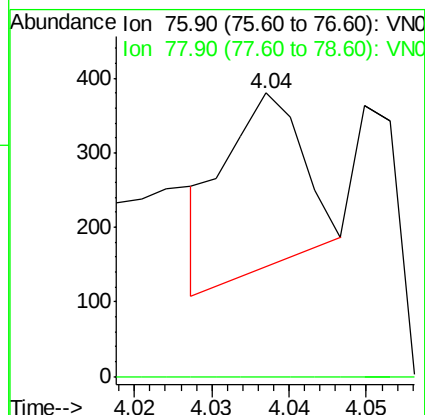
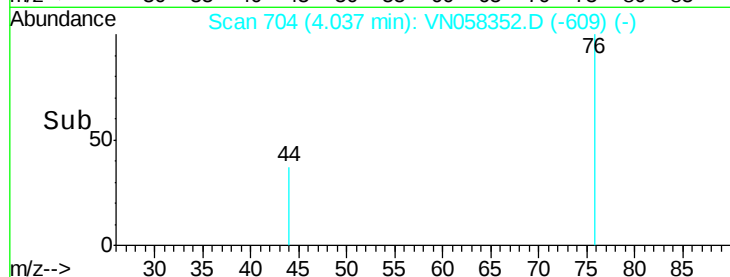
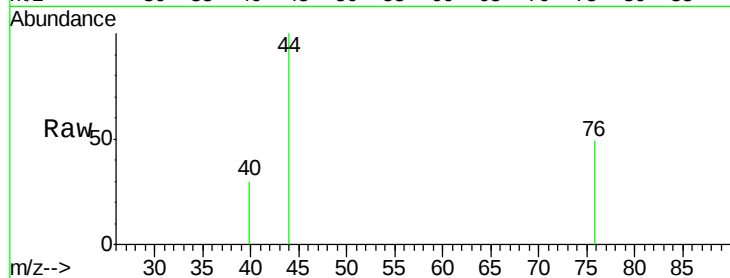
ClientSampleId :

Tot Ion: 76 Resp: 168

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



#18

Methyl Acetate

Concen: 3.780 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058352.D

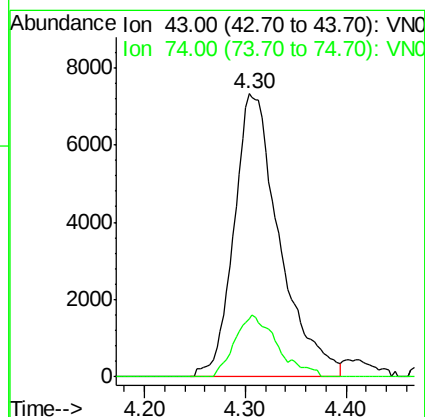
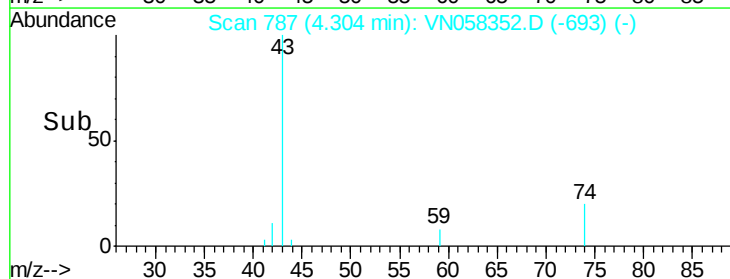
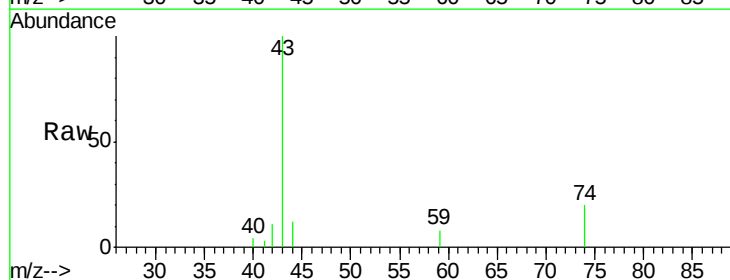
Acq: 25 Sep 2019 9:40

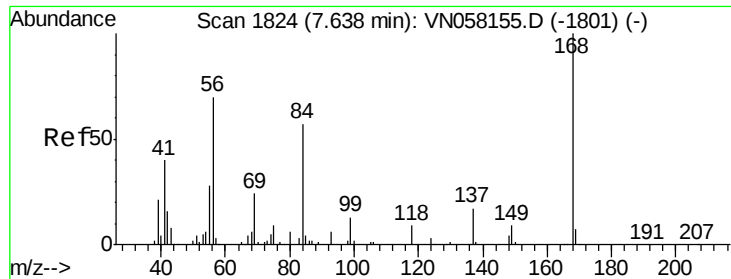
Tgt Ion: 43 Resp: 22981

Ion Ratio Lower Upper

43 100

74 20.5 18.0 27.0





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058352.D

Acq: 25 Sep 2019 9:40

Instrument :
MSVOA_N
ClientSampled :

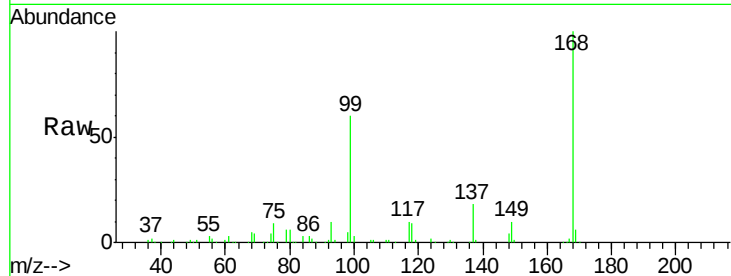
Tot Ion: 56 Resp: 12063

Ion Ratio Lower Upper

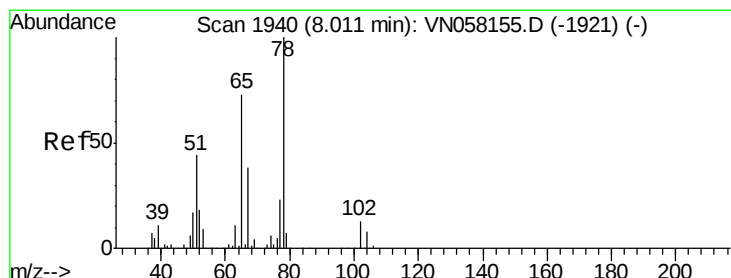
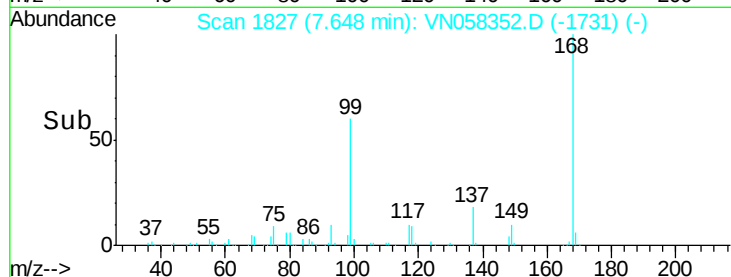
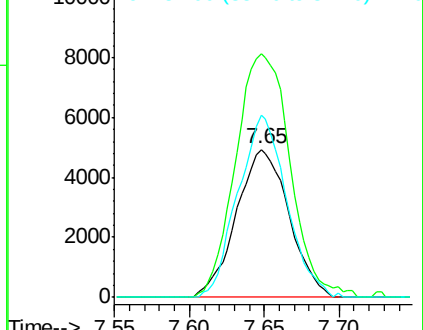
56 100

69 164.5 27.3 40.9#

84 123.0 65.0 97.4#



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: 52.881 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058352.D

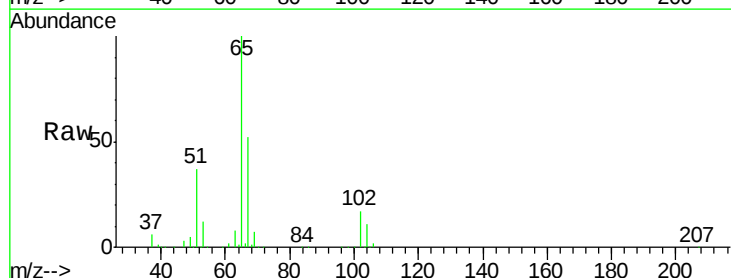
Acq: 25 Sep 2019 9:40

Tgt Ion: 65 Resp: 359988

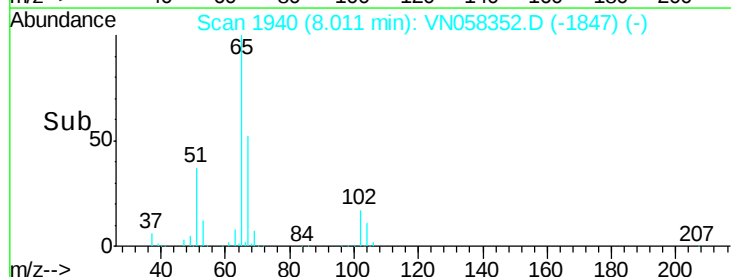
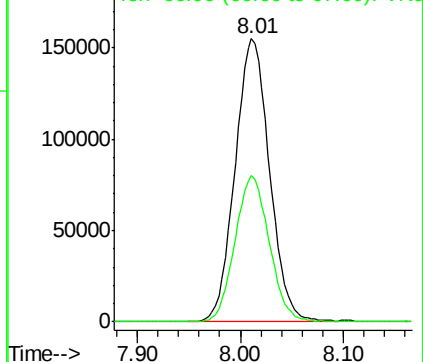
Ion Ratio Lower Upper

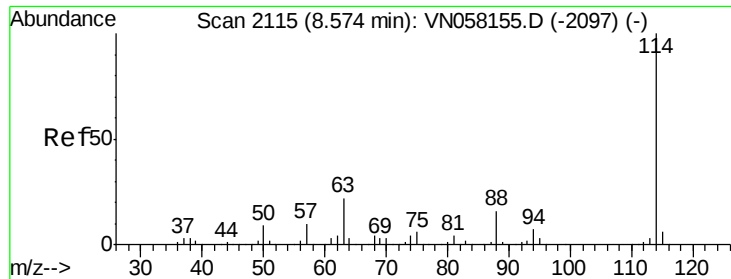
65 100

67 51.2 0.0 103.4



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

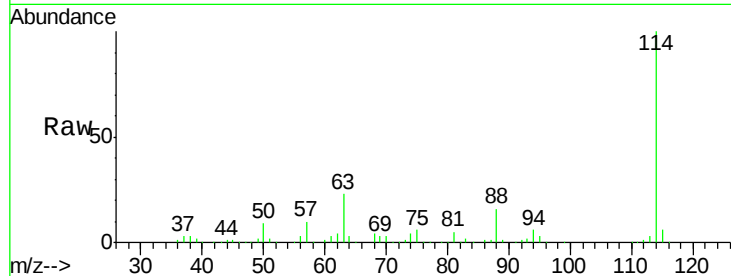




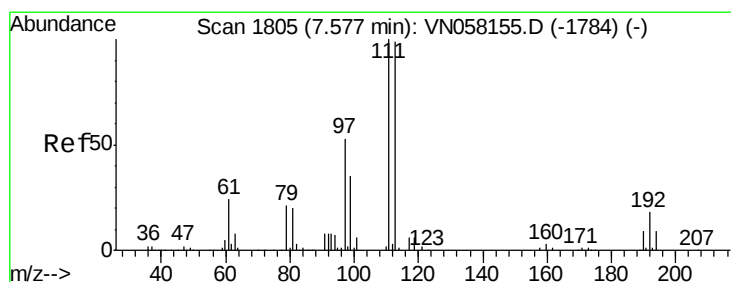
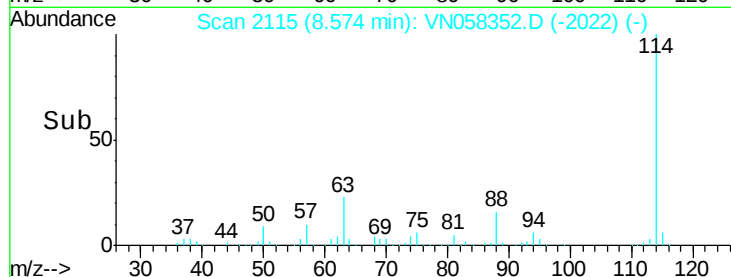
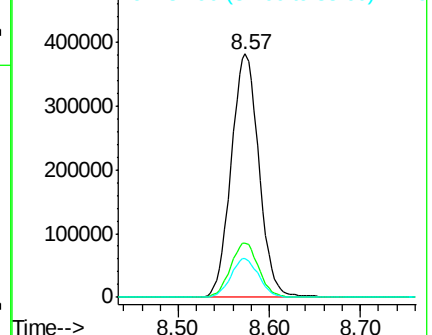
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058352.D
Acq: 25 Sep 2019 9:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 811524
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.2
88 15.8 0.0 31.6

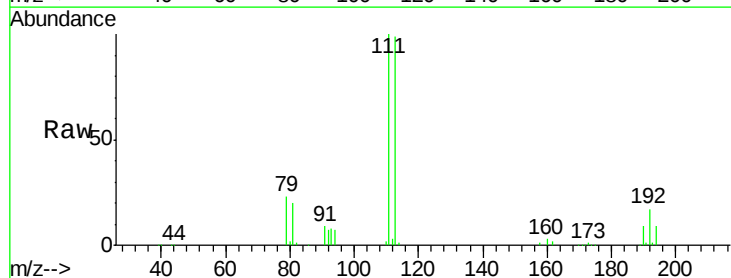


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

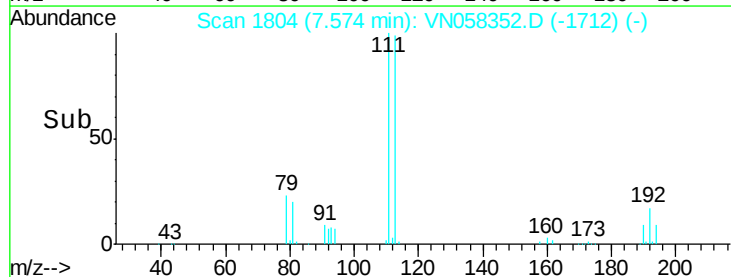
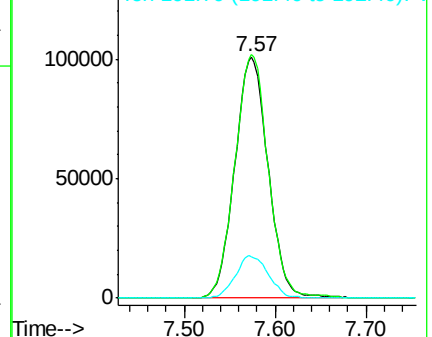


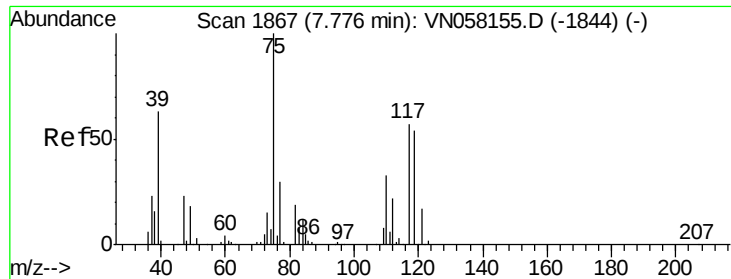
#35
Dibromofluoromethane
Concen: 51.981 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058352.D
Acq: 25 Sep 2019 9:40

Tgt Ion:113 Resp: 256444
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 17.5 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

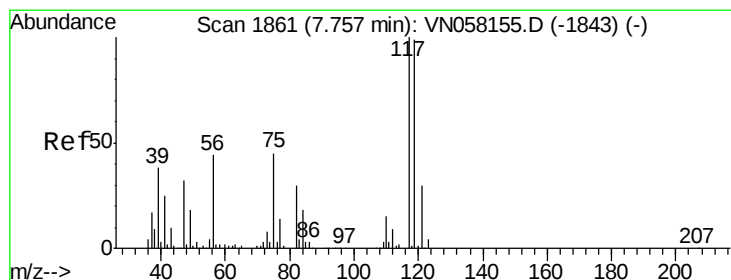
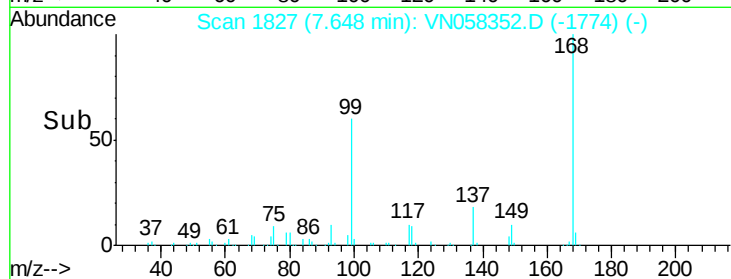
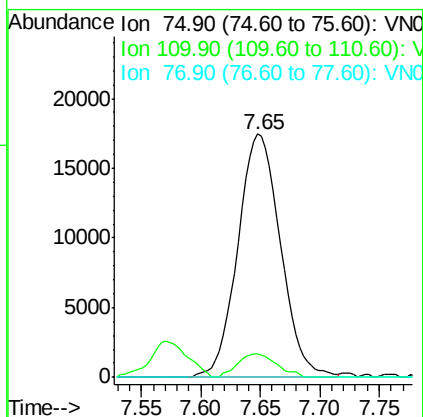
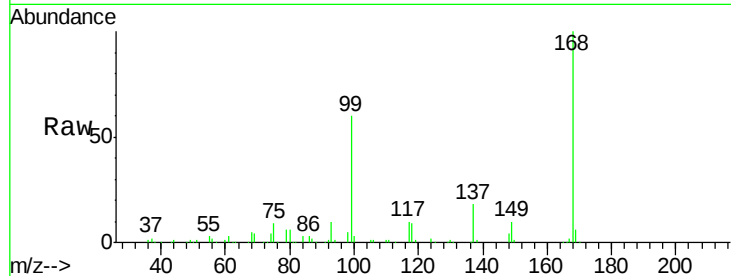




#36
 1,1-Dichloropropene
 Concen: 7.414 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058352.D
 Acq: 25 Sep 2019 9:40

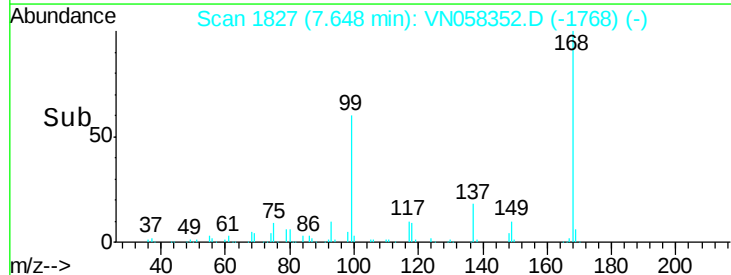
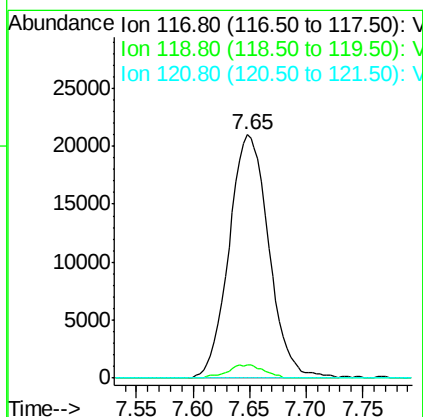
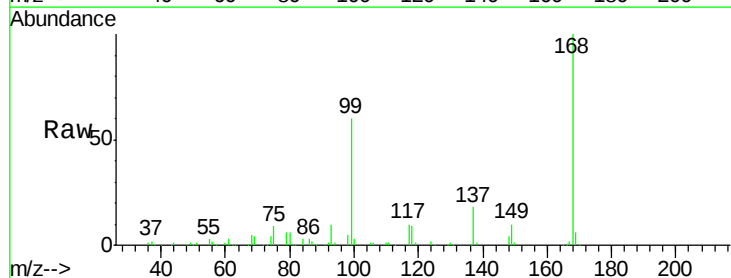
Instrument :
 MSVOA_N
 ClientSampled :

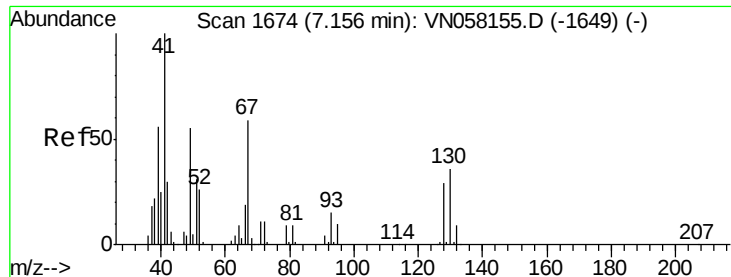
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.6	49.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 8.726 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058352.D
 Acq: 25 Sep 2019 9:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.6	117.8#
121	0.0	24.1	36.1#

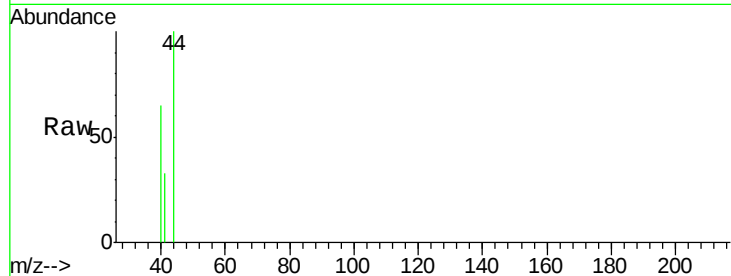




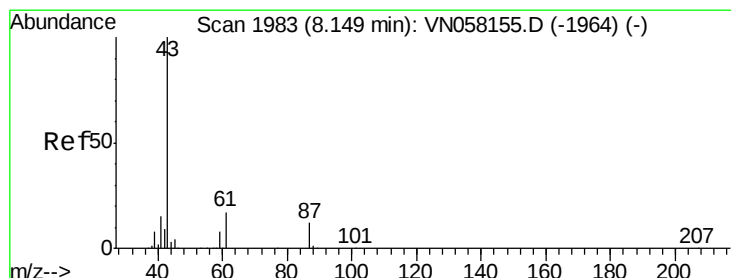
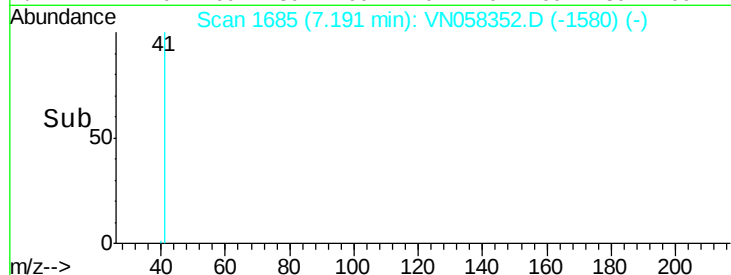
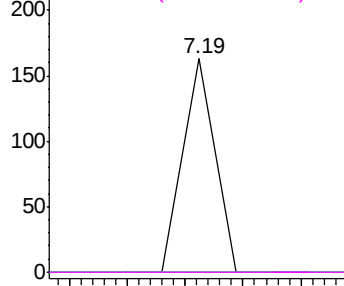
#41
Methacrylonitrile
Concen: 0.921 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058352.D
Acq: 25 Sep 2019 9:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	31
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

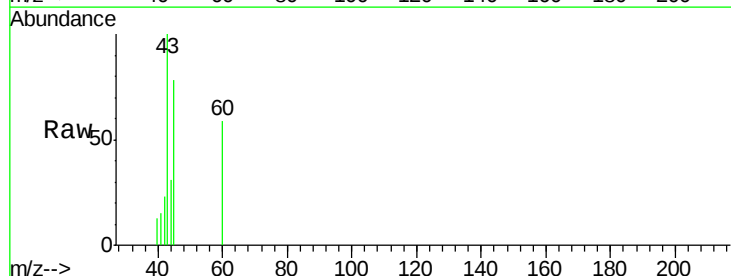


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

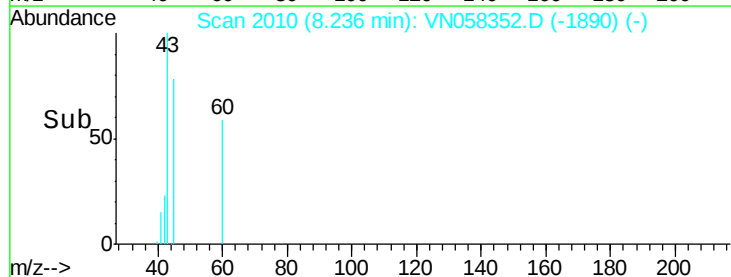
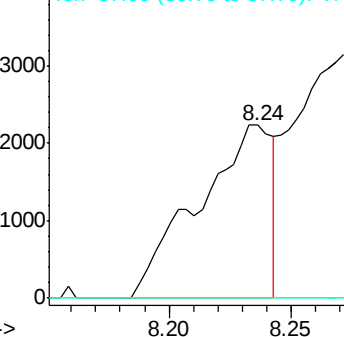


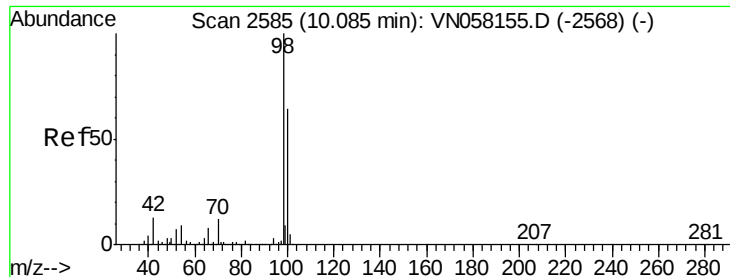
#43
Isopropyl Acetate
Concen: 0.416 ug/l
RT: 8.24 min Scan# 2010
Delta R.T. 0.09 min
Lab File: VN058352.D
Acq: 25 Sep 2019 9:40

Tgt Ion:	43	Resp:	4722
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#



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: 52.571 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058352.D

Acq: 25 Sep 2019 9:40

Instrument :

MSVOA_N

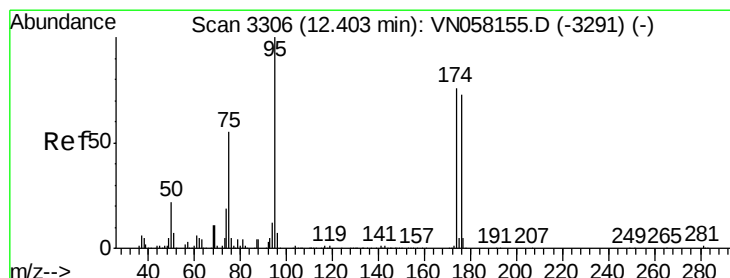
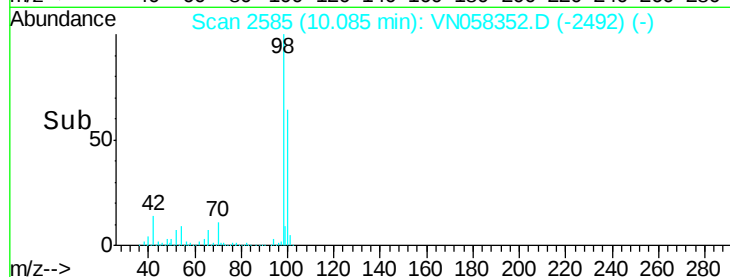
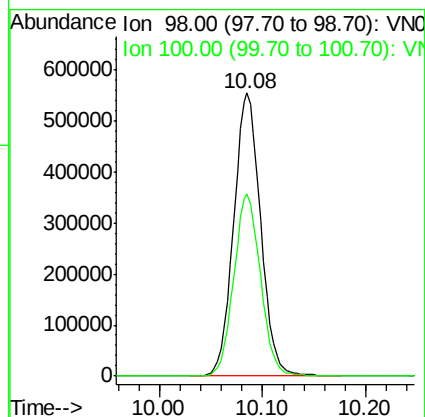
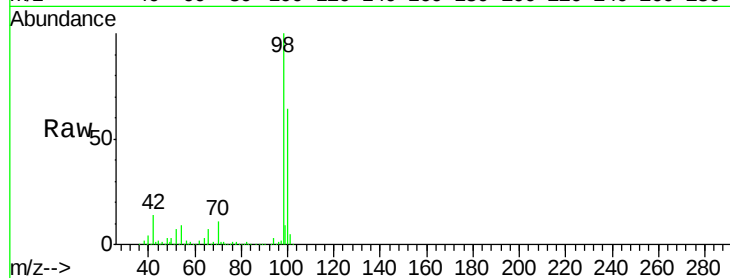
ClientSampleId :

Tot Ion: 98 Resp: 1010491

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 45.711 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058352.D

Acq: 25 Sep 2019 9:40

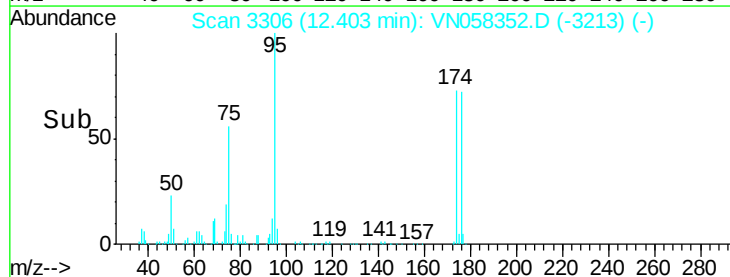
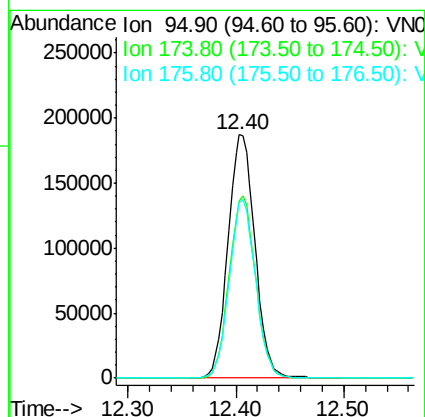
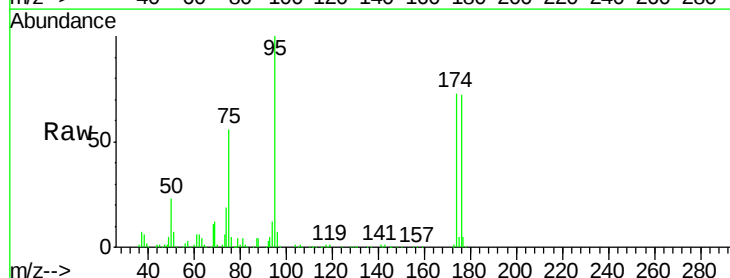
Tgt Ion: 95 Resp: 326377

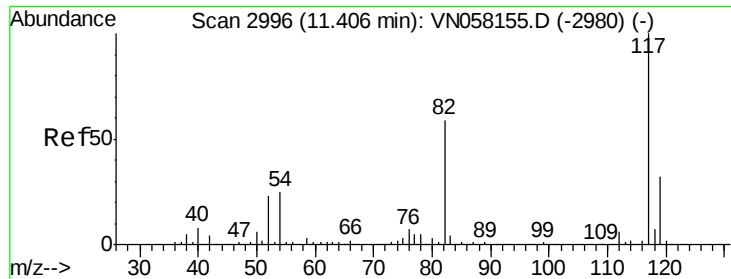
Ion Ratio Lower Upper

95 100

174 73.6 0.0 152.2

176 71.4 0.0 148.0

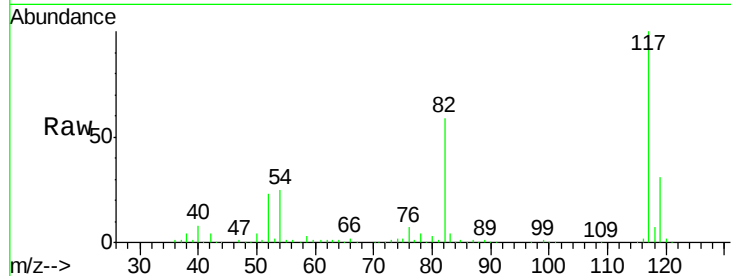




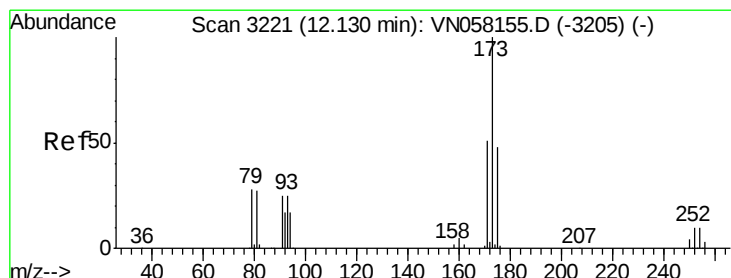
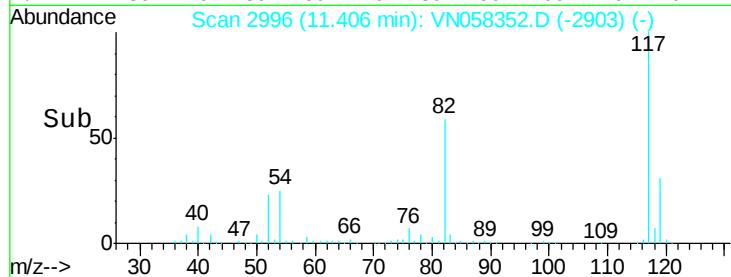
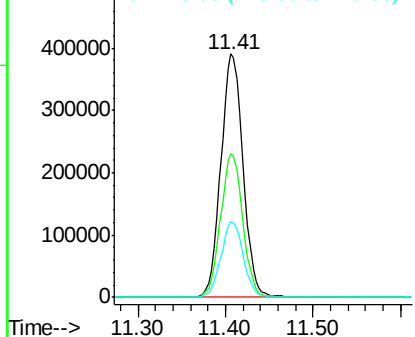
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN058352.D
 Acq: 25 Sep 2019 9:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:117 Resp: 686613
 Ion Ratio Lower Upper
 117 100
 82 59.0 46.9 70.3
 119 31.0 25.3 37.9

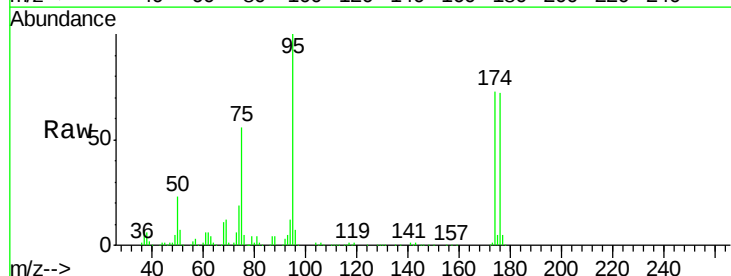


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

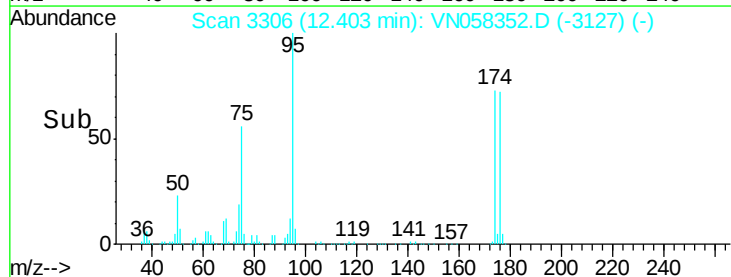
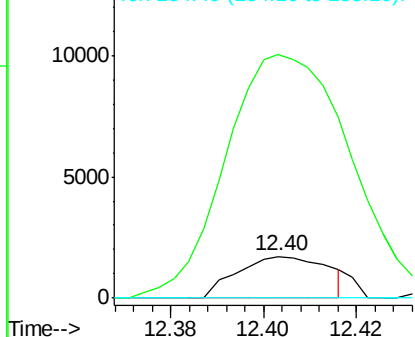


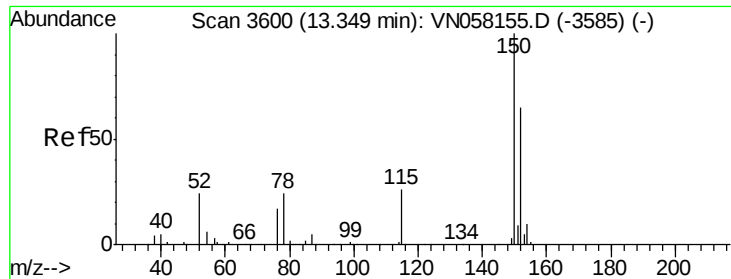
#71
 Bromoform
 Concen: 4.258 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.27 min
 Lab File: VN058352.D
 Acq: 25 Sep 2019 9:40

Tgt Ion:173 Resp: 2318
 Ion Ratio Lower Upper
 173 100
 175 680.6 24.2 72.6#
 254 0.0 0.1 0.1#



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: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058352.D

Acq: 25 Sep 2019 9:40

Instrument :

MSVOA_N

ClientSampleId :

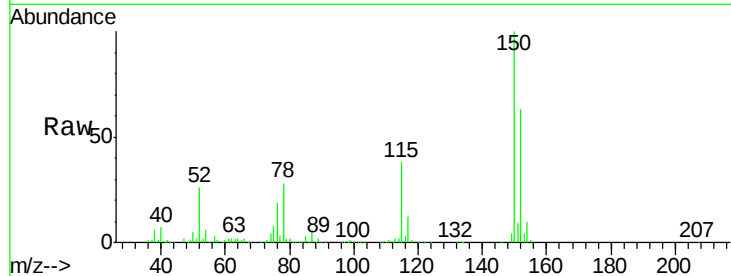
Tot Ion:152 Resp: 275790

Ion Ratio Lower Upper

152 100

115 62.3 30.1 90.3

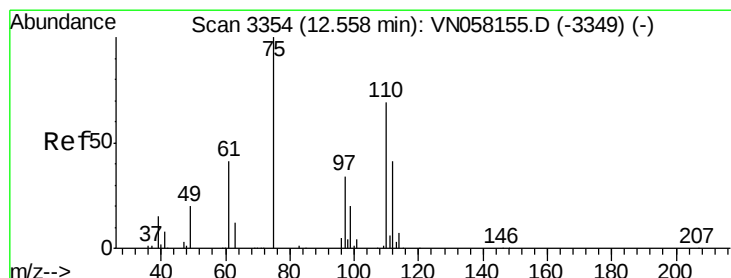
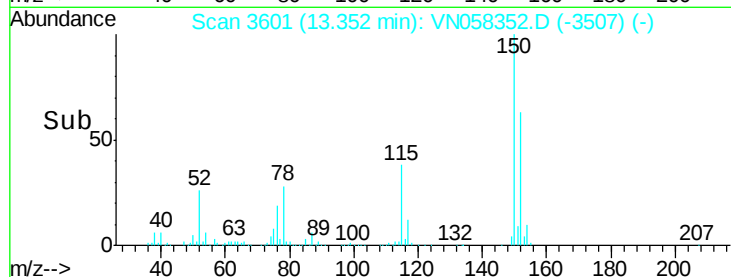
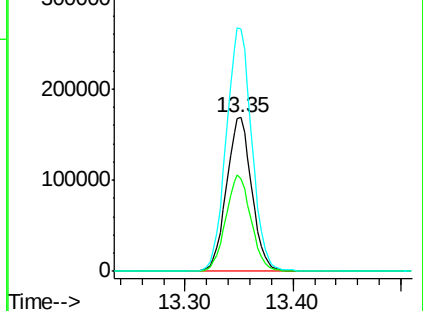
150 159.4 0.0 346.4



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: 36.677 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058352.D

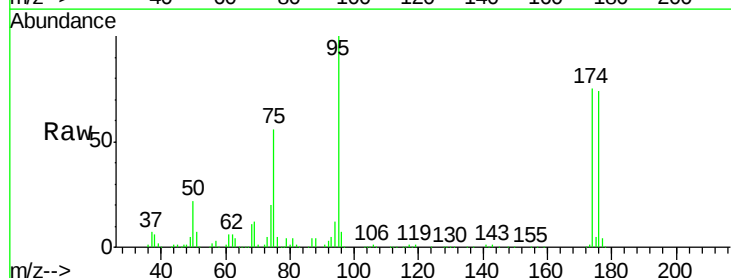
Acq: 25 Sep 2019 9:40

Tgt Ion: 75 Resp: 181029

Ion Ratio Lower Upper

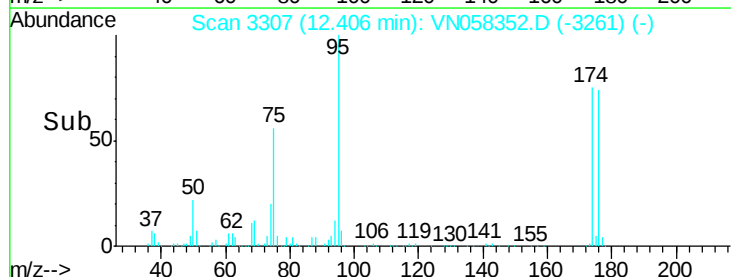
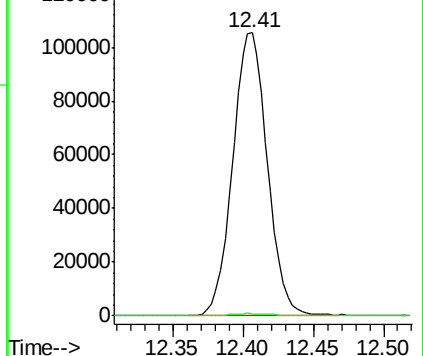
75 100

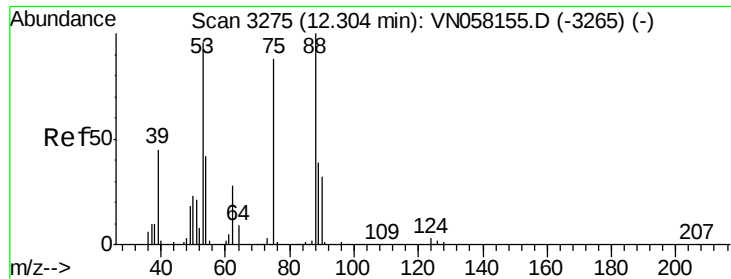
77 1.0 0.0 0.0#



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: 102.321 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058352.D

Acq: 25 Sep 2019 9:40

Instrument :

MSVOA_N

ClientSampled :

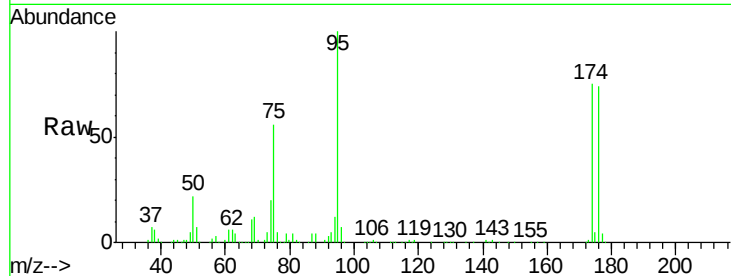
Tot Ion: 75 Resp: 181029

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

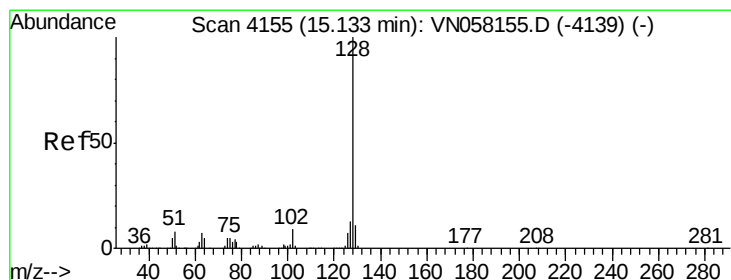
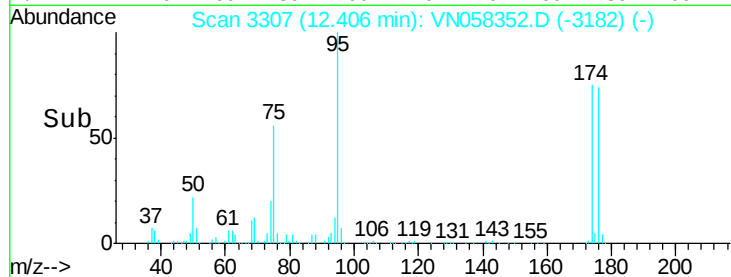
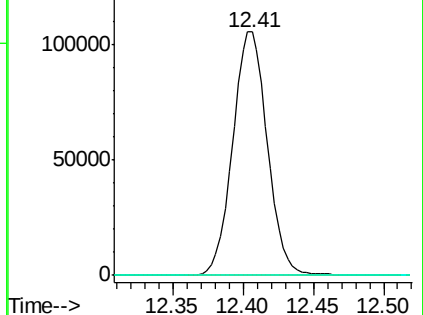
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 0.360 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058352.D

Acq: 25 Sep 2019 9:40

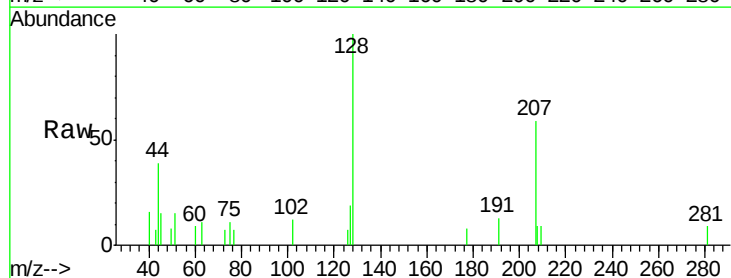
Tgt Ion: 128 Resp: 4742

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.2

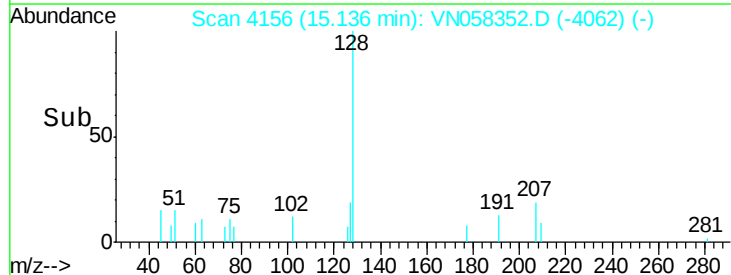
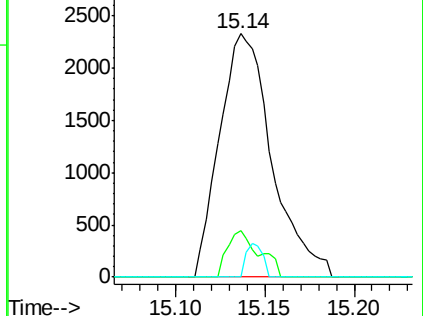
129 4.3 8.6 12.8#

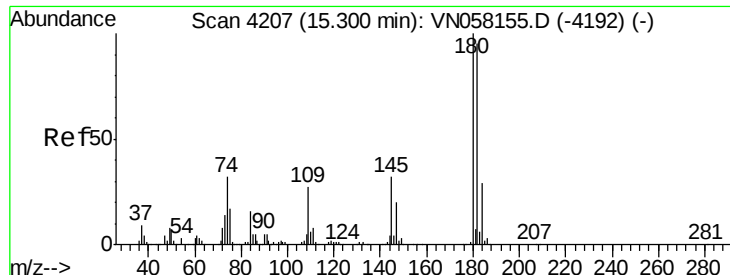


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.265 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

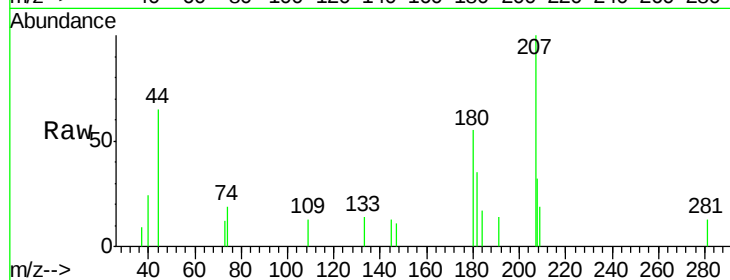
Lab File: VN058352.D

Acq: 25 Sep 2019 9:40

Instrument :

MSVOA_N

ClientSampleId :



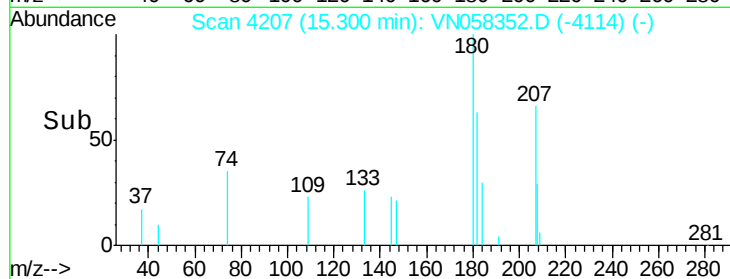
Tot Ion:180 Resp: 1271

Ion Ratio Lower Upper

180 100

182 77.2 47.4 142.2

145 21.4 16.1 48.2



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

