

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060515.D
 Acq On : 16 Mar 2020 11:51
 Operator : JC/MD
 Sample : VN0316WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBL01

Quant Time: Mar 17 08:42:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

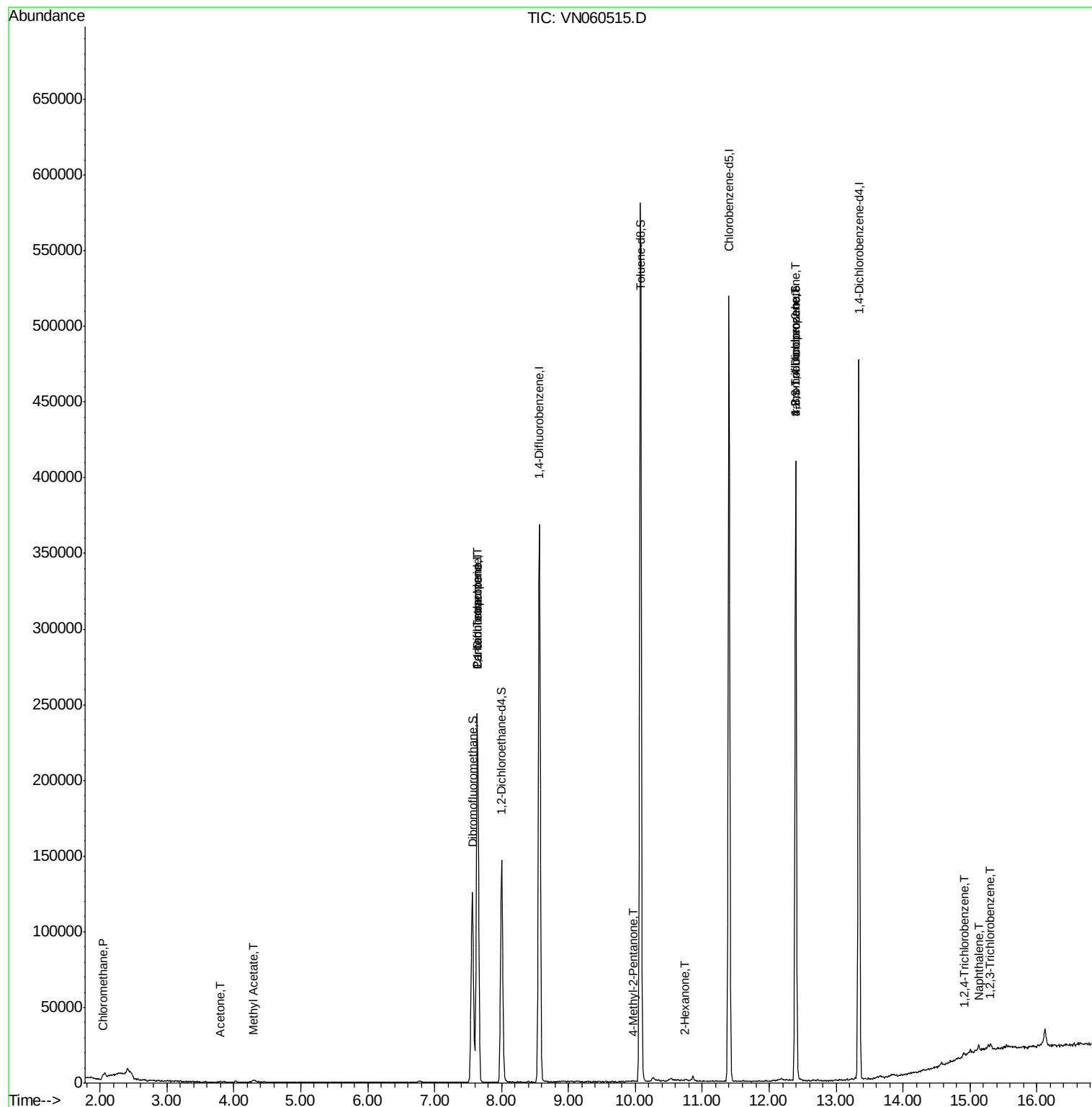
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	329257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123569	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	127152	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.56	113	97574	63.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.68%	
50) Toluene-d8	10.08	98	401880	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.40	95	141069	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	1439	0.451	ug/l	91
5) Bromomethane	2.55	94	95	Below Cal	#	4
12) 1,1-Dichloroethene	3.72	96	60	Below Cal	#	1
16) Acetone	3.79	43	252	0.304	ug/l #	44
17) Carbon Disulfide	4.02	76	768	Below Cal	#	75
18) Methyl Acetate	4.29	43	1475	0.533	ug/l #	87
31) Cyclohexane	7.64	56	4063	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15571	4.962	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19072	6.242	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	716	0.243	ug/l #	36
59) 2-Hexanone	10.75	43	878	0.405	ug/l #	61
76) 1,2,3-Trichloropropane	12.40	75	71243	26.278	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	71243	72.540	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	496	Below Cal	#	66
88) 1,4-Dichlorobenzene	13.36	146	733	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	1012	0.493	ug/l	96
94) Hexachlorobutadiene	15.01	225	313	Below Cal	#	65
95) Naphthalene	15.13	128	4250	0.307	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	1383	0.407	ug/l	99

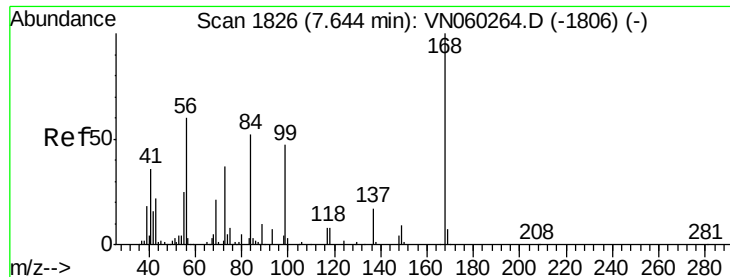
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031620\
Data File : VN060515.D
Acq On : 16 Mar 2020 11:51
Operator : JC/MD
Sample : VN0316WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBL01

Quant Time: Mar 17 08:42:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060515.D

Acq: 16 Mar 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

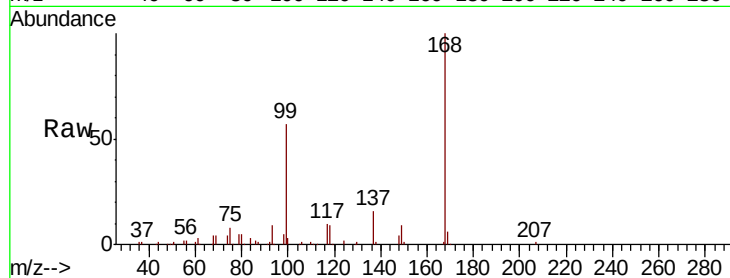
VN0316WBL01

Tot Ion:168 Resp: 199980

Ion Ratio Lower Upper

168 100

99 57.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

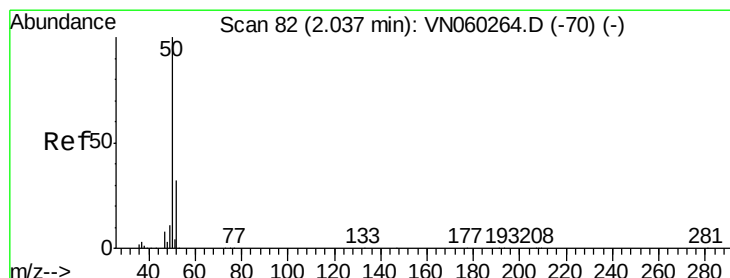
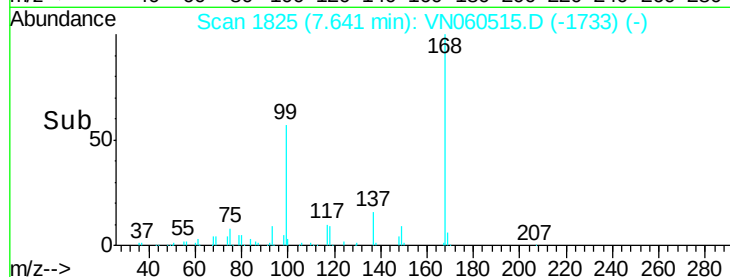
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.451 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060515.D

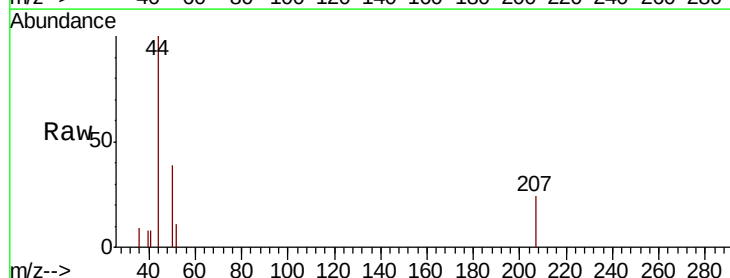
Acq: 16 Mar 2020 11:51

Tgt Ion: 50 Resp: 1439

Ion Ratio Lower Upper

50 100

52 26.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1000

800

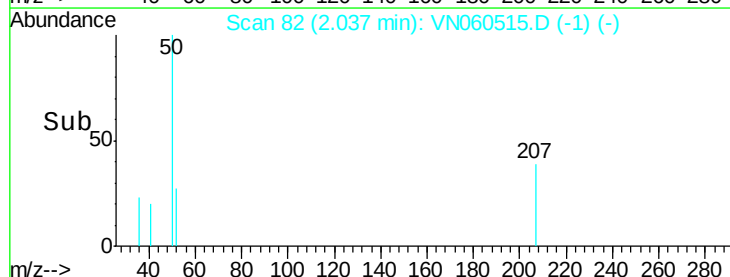
600

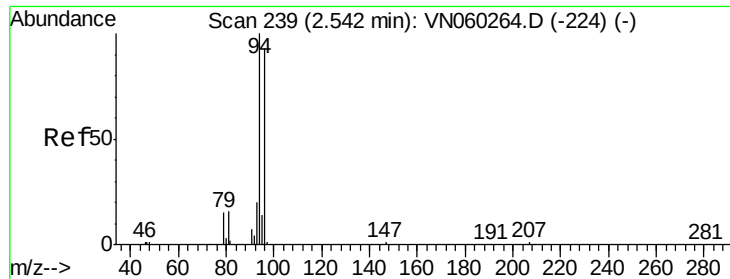
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060515.D

Acq: 16 Mar 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

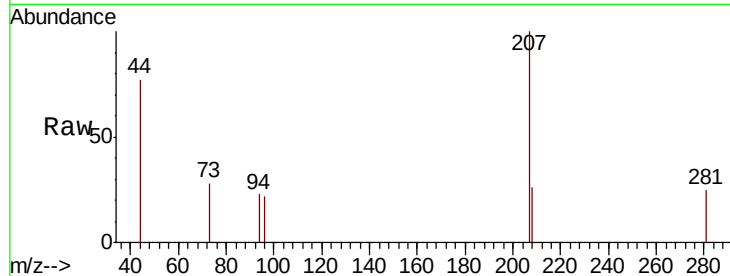
VN0316WBL01

Tot Ion: 94 Resp: 95

Ion Ratio Lower Upper

94 100

96 0.6 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

300

250

200

150

100

50

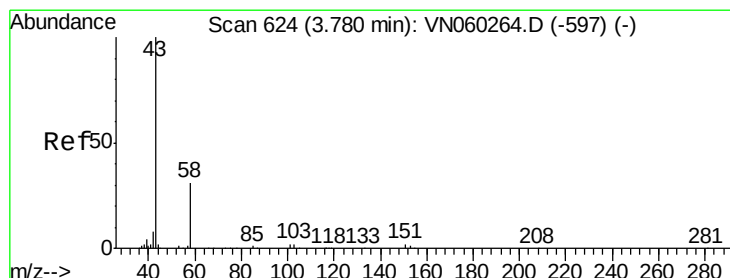
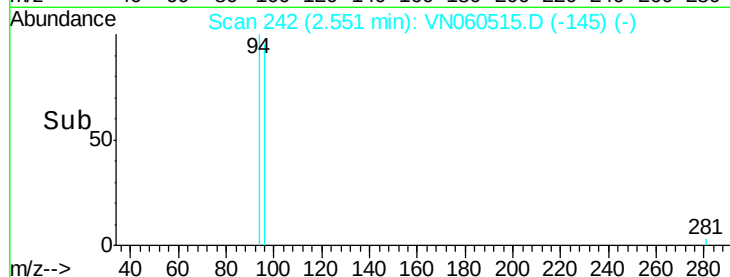
0

2.54

2.55

2.56

Time-->



#16

Acetone

Concen: 0.304 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060515.D

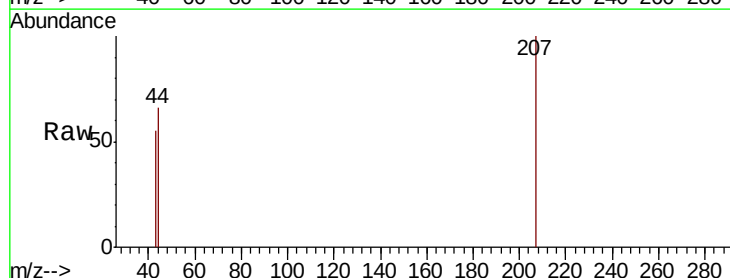
Acq: 16 Mar 2020 11:51

Tgt Ion: 43 Resp: 252

Ion Ratio Lower Upper

43 100

58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250

200

150

100

50

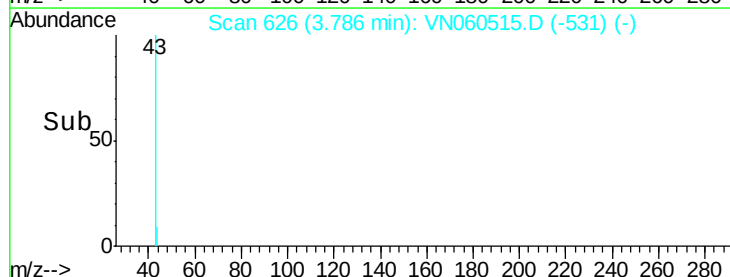
0

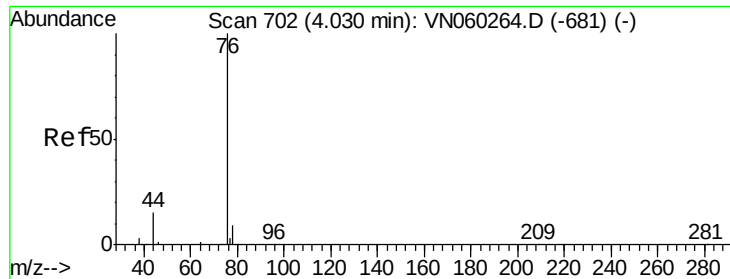
3.76

3.78

3.80

Time-->

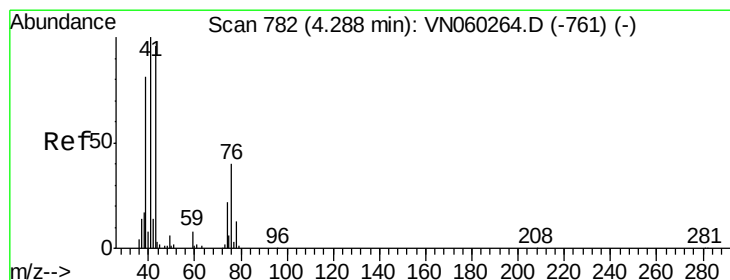
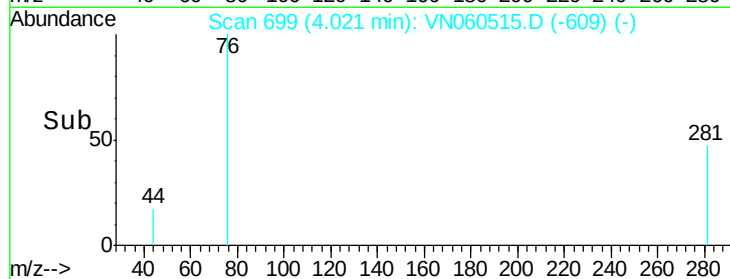
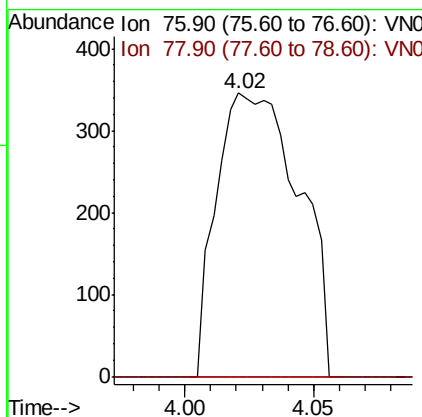
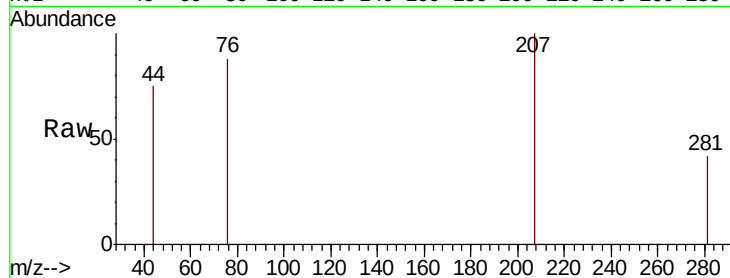




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN060515.D
Acq: 16 Mar 2020 11:51

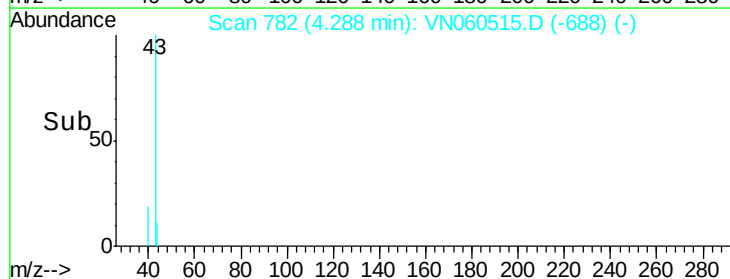
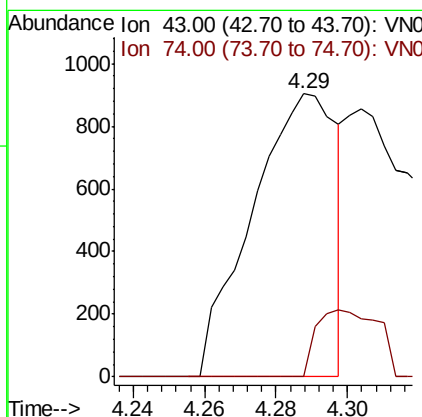
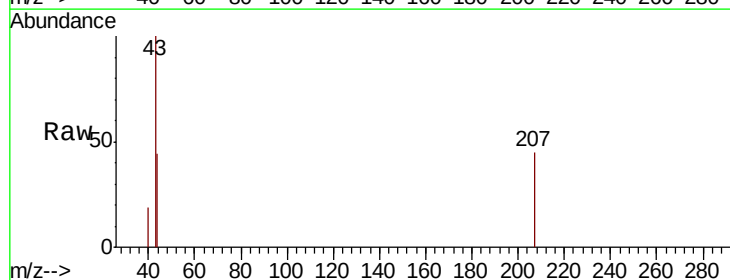
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBL01

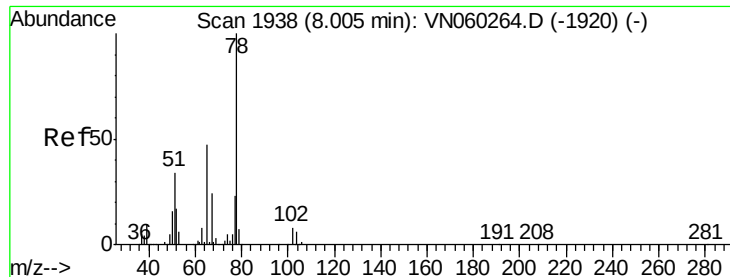
Tot Ion: 76 Resp: 768
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.533 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060515.D
Acq: 16 Mar 2020 11:51

Tgt Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
74 17.4 18.8 28.2#

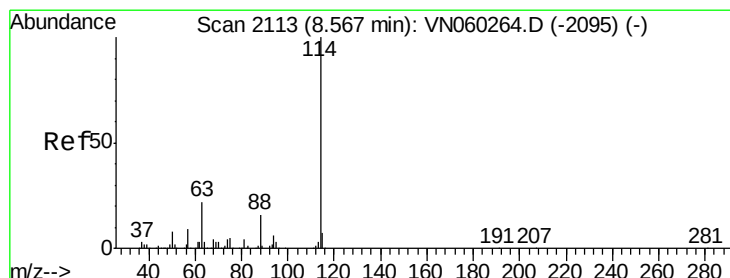
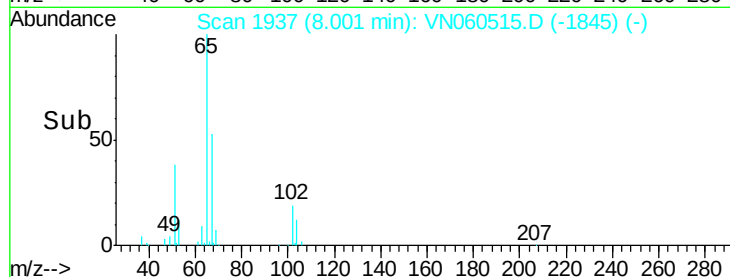
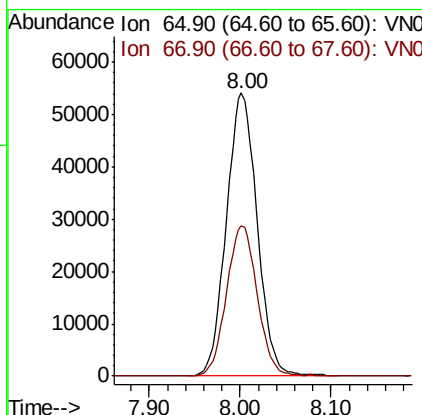
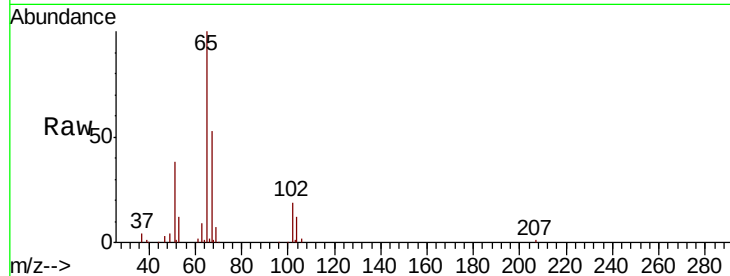




#33
 1,2-Dichloroethane-d4
 Concen: 49.557 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060515.D
 Acq: 16 Mar 2020 11:51

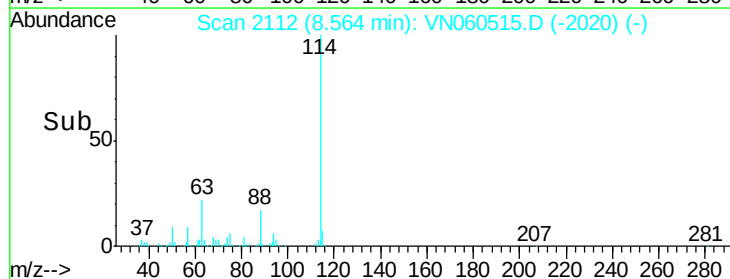
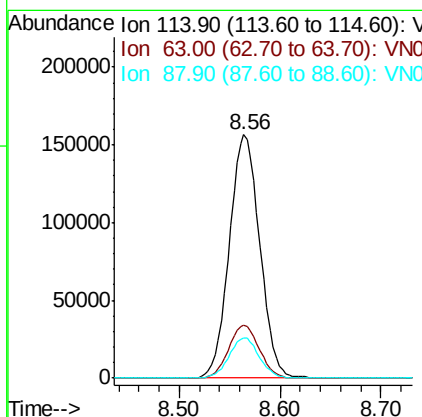
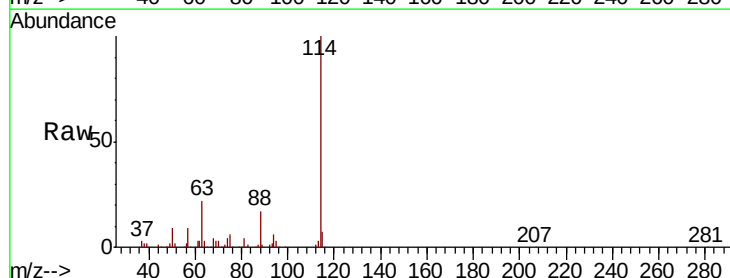
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBL01

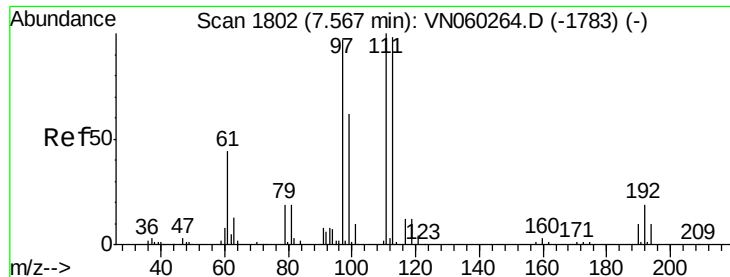
Tot Ion: 65 Resp: 127152
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060515.D
 Acq: 16 Mar 2020 11:51

Tgt Ion: 114 Resp: 329257
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 16.7 0.0 31.6

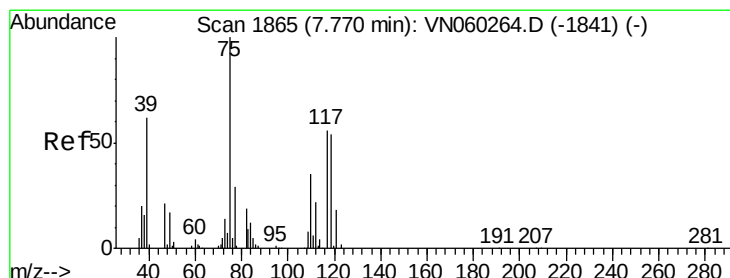
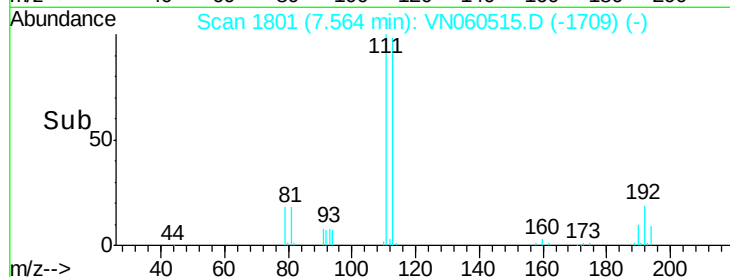
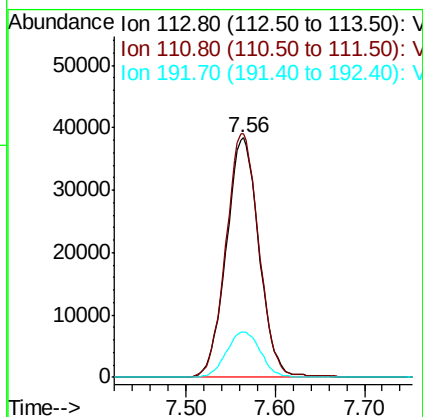
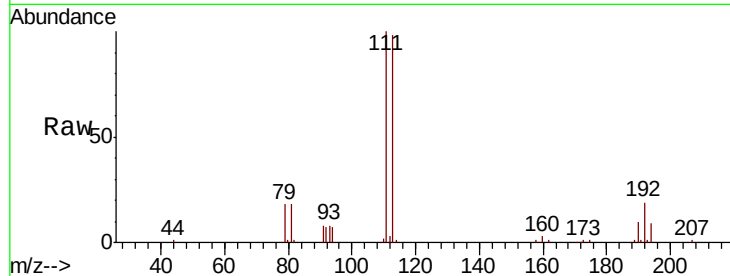




#35
 Dibromofluoromethane
 Concen: 63.845 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060515.D
 Acq: 16 Mar 2020 11:51

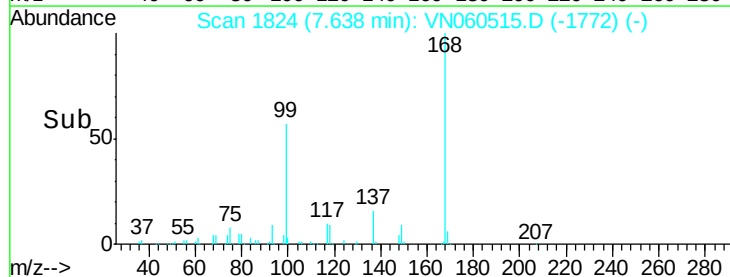
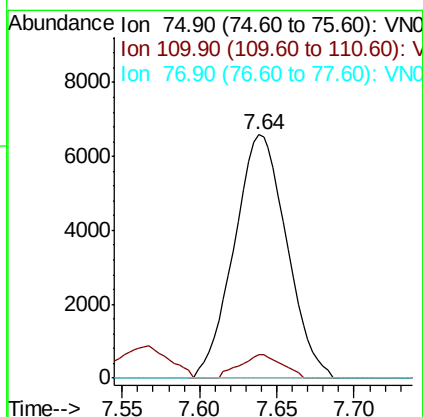
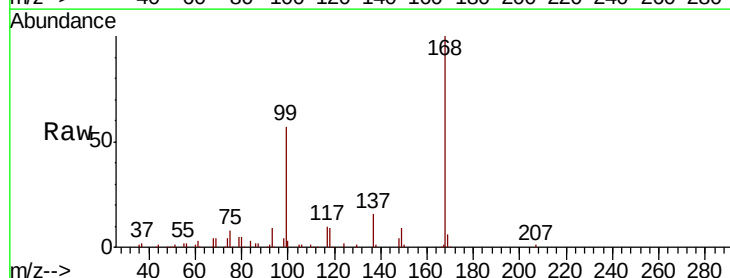
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBL01

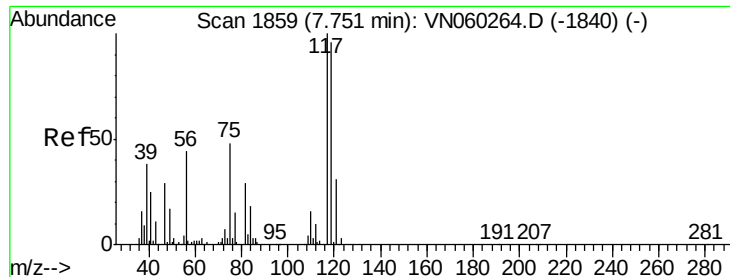
Tot Ion:113 Resp: 97574
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 19.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.962 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060515.D
 Acq: 16 Mar 2020 11:51

Tgt Ion: 75 Resp: 15571
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.3 52.0#
 77 0.0 24.2 36.2#

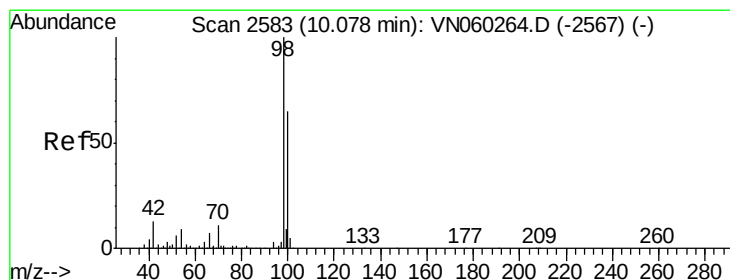
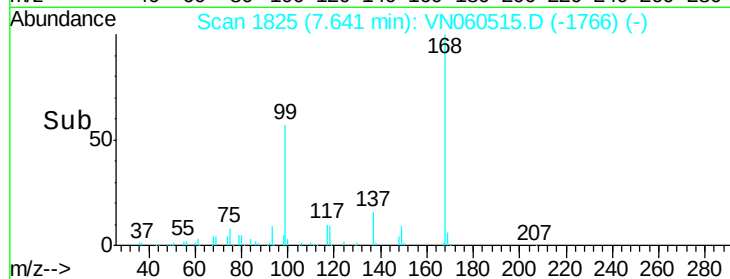
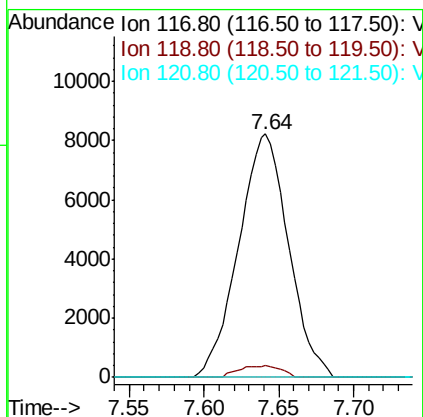
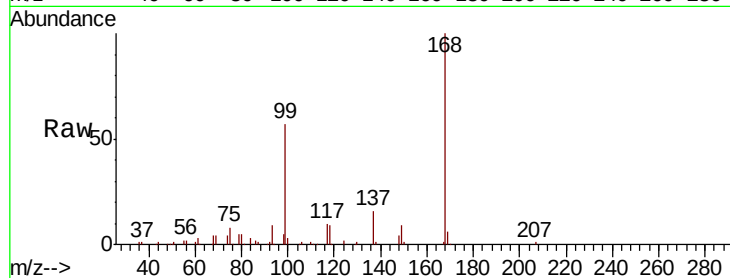




#38
Carbon Tetrachloride
Concen: 6.242 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060515.D
Acq: 16 Mar 2020 11:51

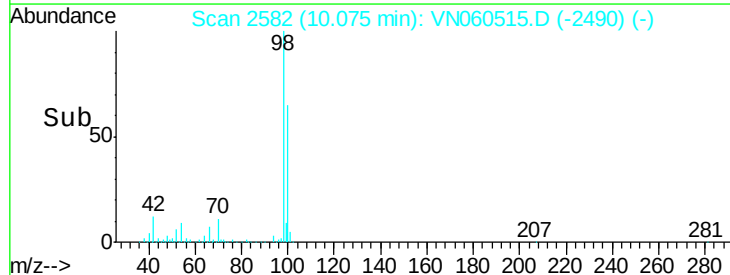
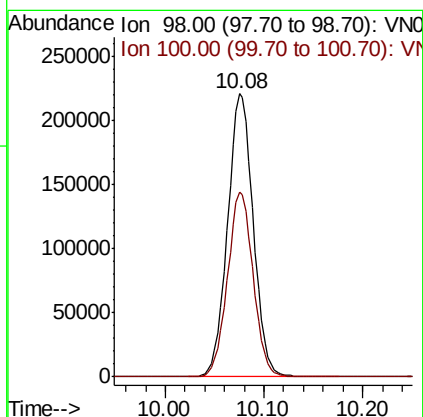
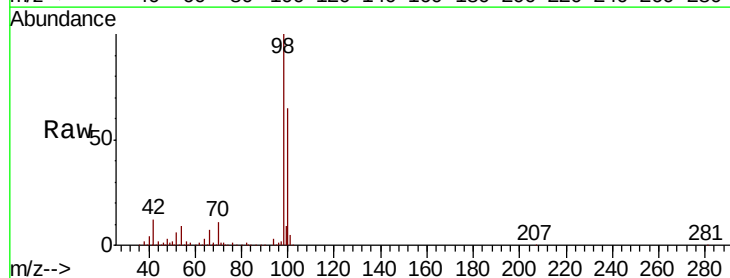
Instrument :
MSVOA_N
ClientSampled :
VN0316WBL01

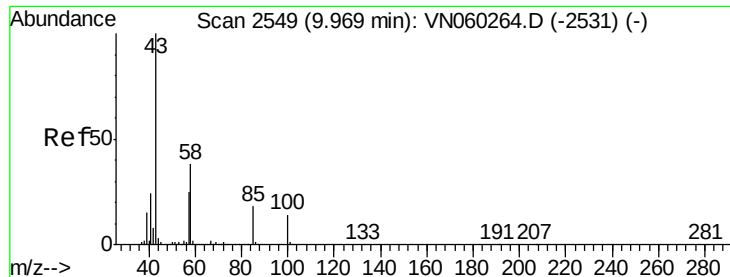
Tot Ion:117 Resp: 19072
Ion Ratio Lower Upper
117 100
119 4.7 76.7 115.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.956 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060515.D
Acq: 16 Mar 2020 11:51

Tgt Ion: 98 Resp: 401880
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2

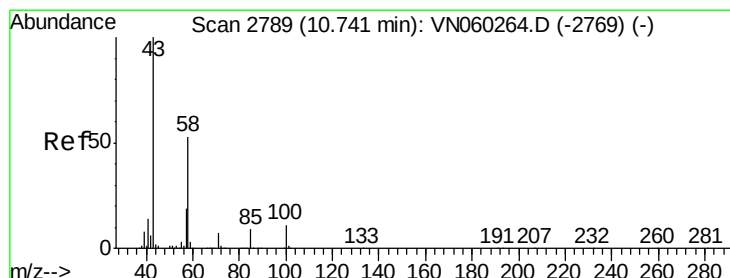
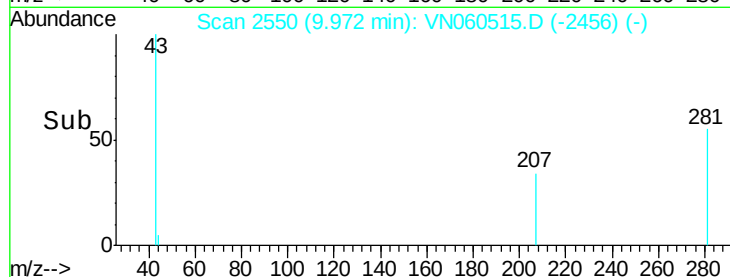
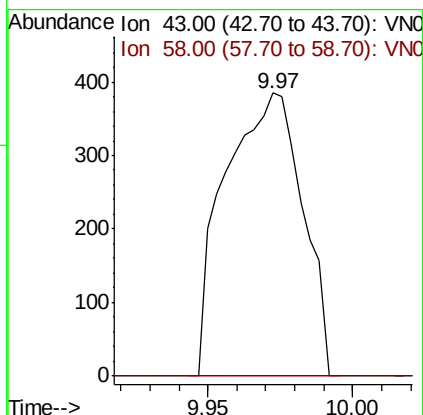
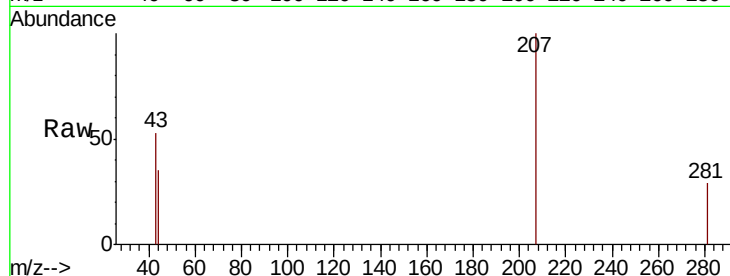




#51
 4-Methyl-2-Pentanone
 Concen: 0.243 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060515.D
 Acq: 16 Mar 2020 11:51

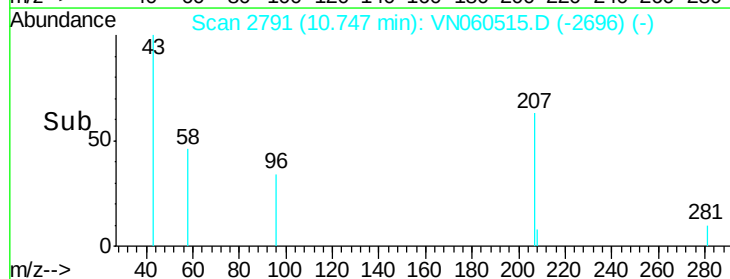
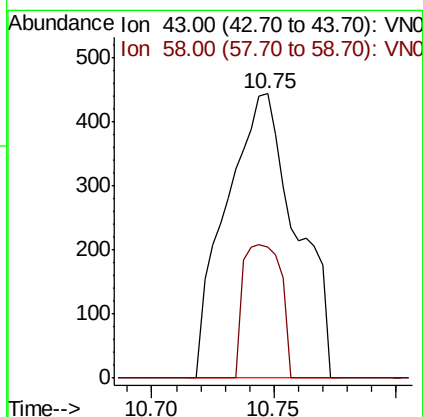
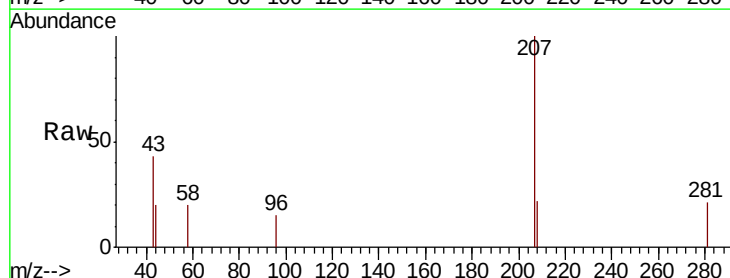
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBL01

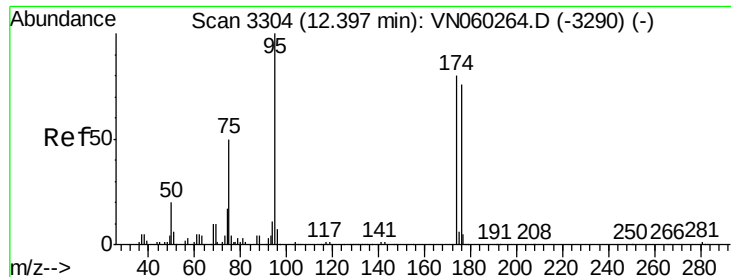
Tot Ion: 43 Resp: 716
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.9 46.3#



#59
 2-Hexanone
 Concen: 0.405 ug/l
 RT: 10.75 min Scan# 2791
 Delta R.T. 0.01 min
 Lab File: VN060515.D
 Acq: 16 Mar 2020 11:51

Tgt Ion: 43 Resp: 878
 Ion Ratio Lower Upper
 43 100
 58 25.2 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 48.111 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060515.D

Acq: 16 Mar 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBL01

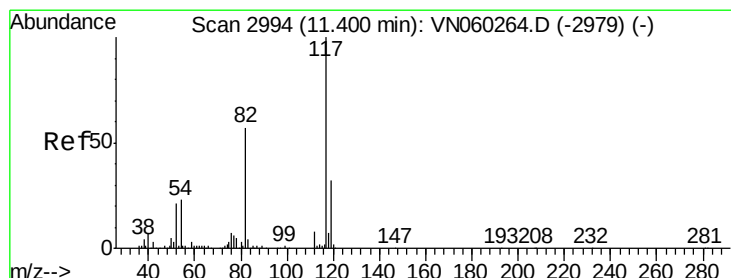
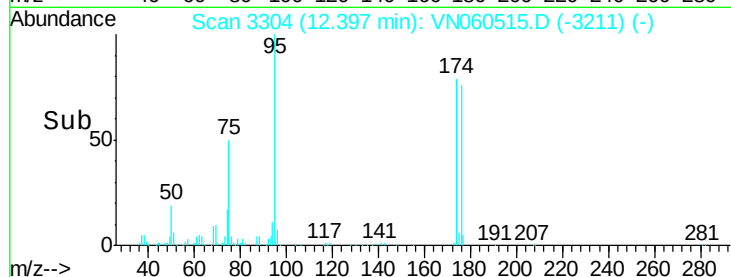
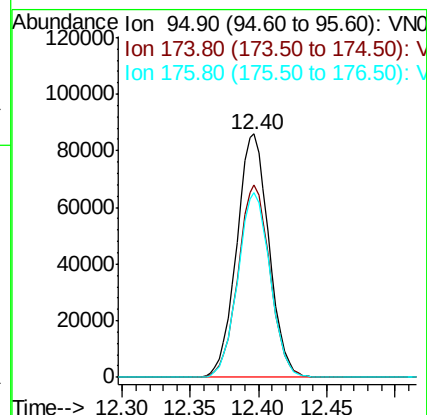
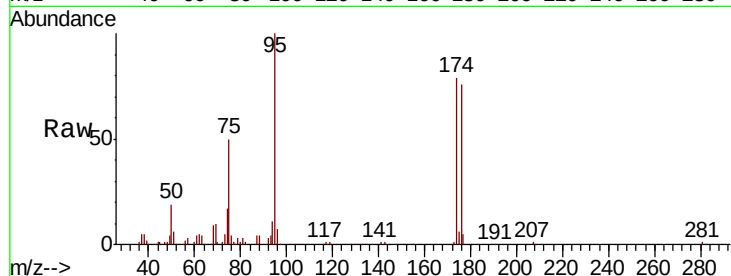
Tot Ion: 95 Resp: 141069

Ion Ratio Lower Upper

95 100

174 78.2 0.0 159.2

176 75.8 0.0 153.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060515.D

Acq: 16 Mar 2020 11:51

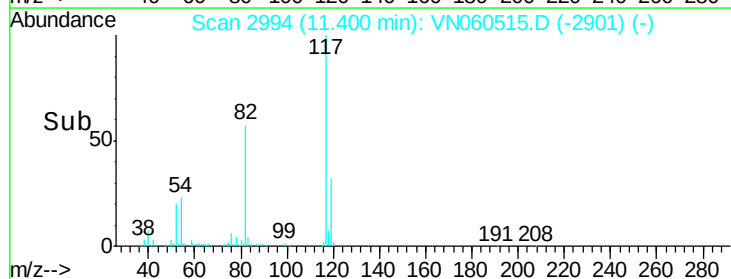
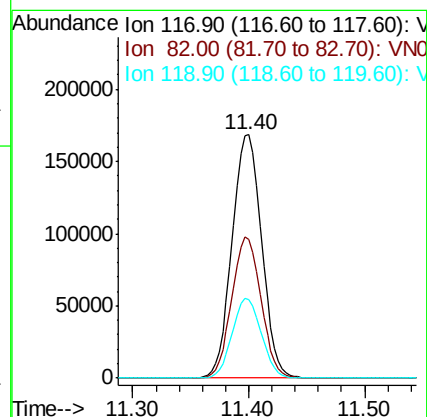
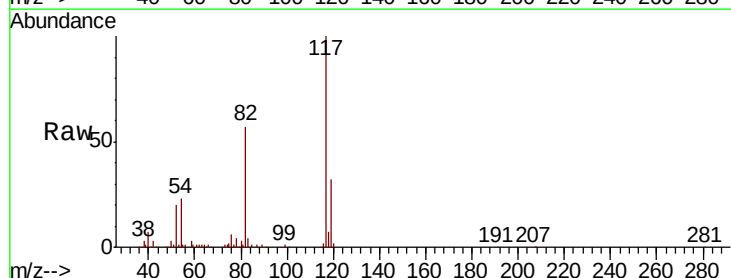
Tgt Ion: 117 Resp: 297476

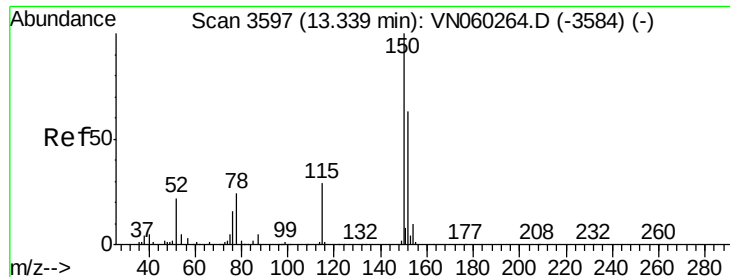
Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.6

119 32.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060515.D

Acq: 16 Mar 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBL01

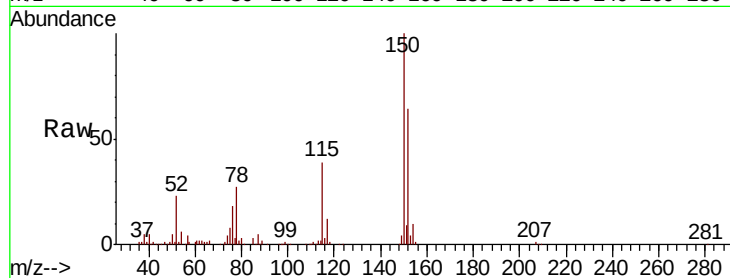
Tot Ion:152 Resp: 123569

Ion Ratio Lower Upper

152 100

115 60.5 30.0 90.0

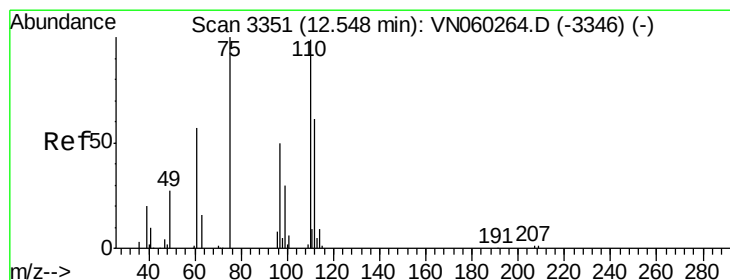
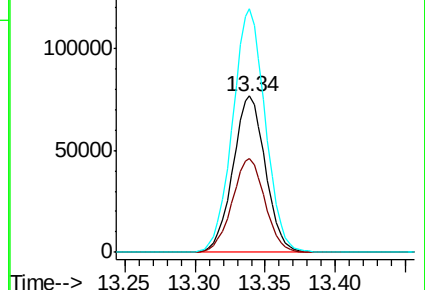
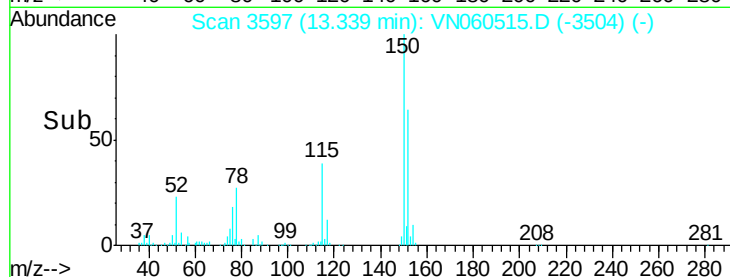
150 156.6 0.0 349.6



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: 26.278 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060515.D

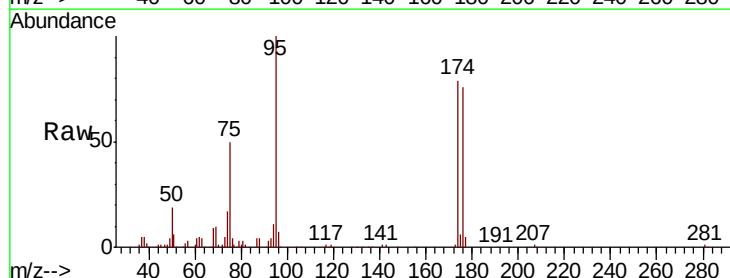
Acq: 16 Mar 2020 11:51

Tgt Ion: 75 Resp: 71243

Ion Ratio Lower Upper

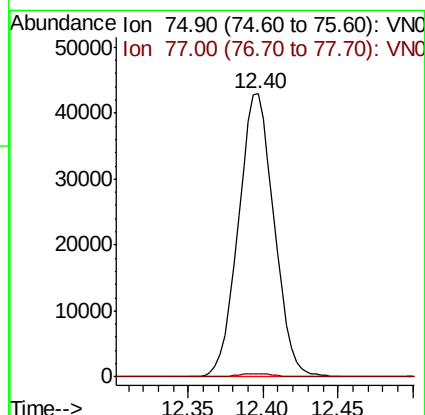
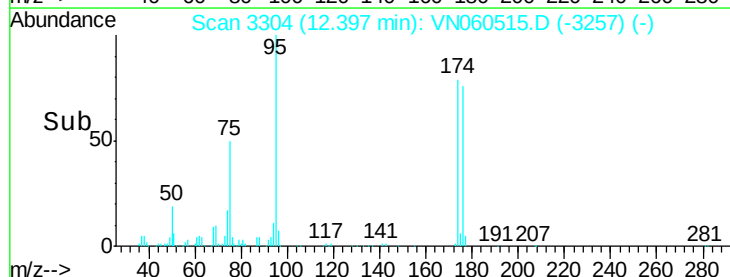
75 100

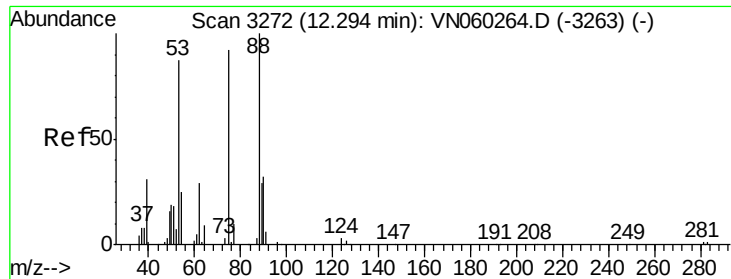
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

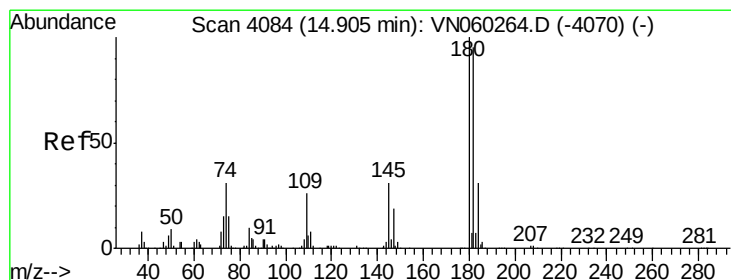
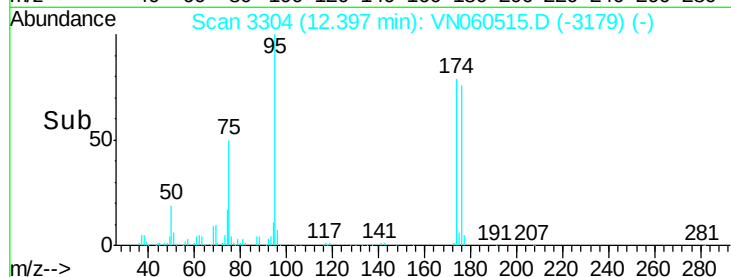
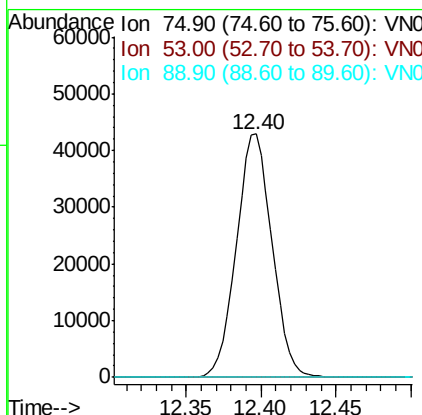
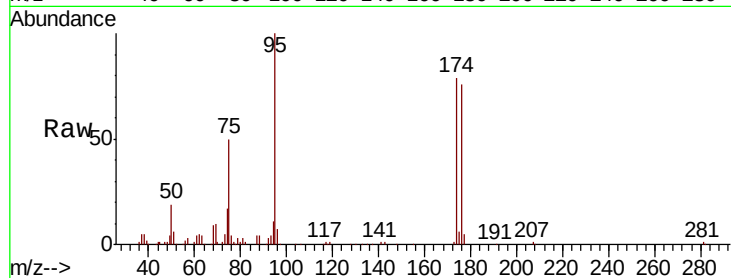




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.540 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060515.D
 Acq: 16 Mar 2020 11:51

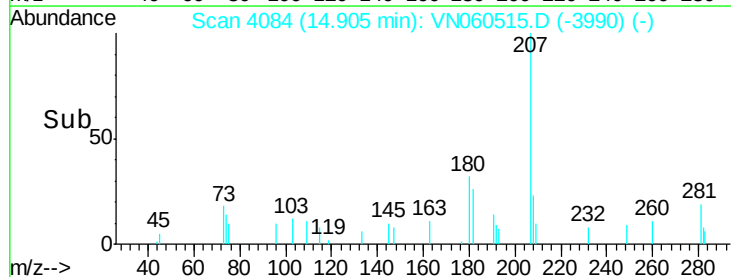
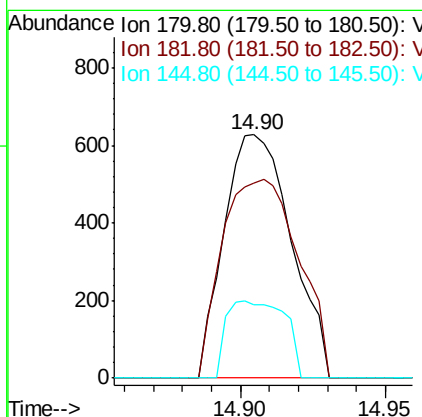
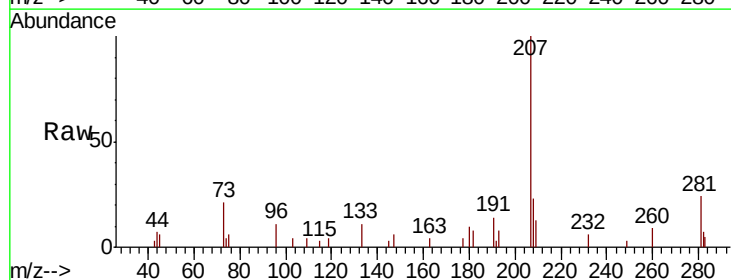
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBL01

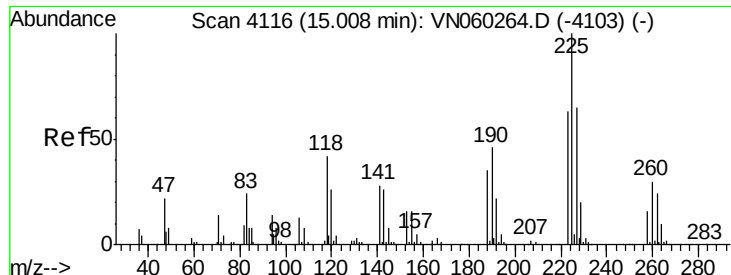
Tot Ion: 75 Resp: 71243
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.493 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060515.D
 Acq: 16 Mar 2020 11:51

Tgt Ion: 180 Resp: 1012
 Ion Ratio Lower Upper
 180 100
 182 92.6 47.8 143.3
 145 27.5 15.4 46.1

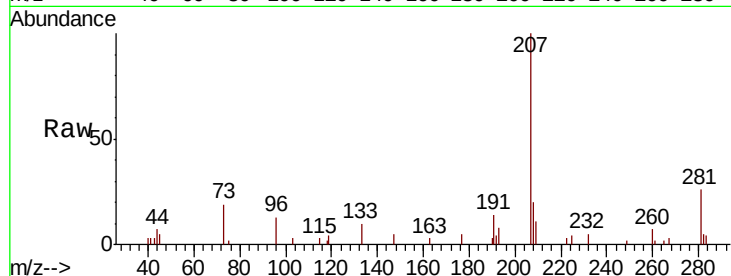




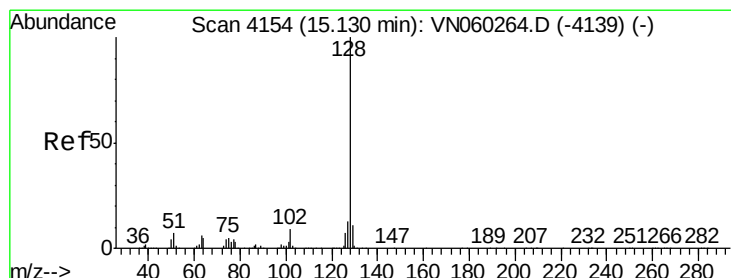
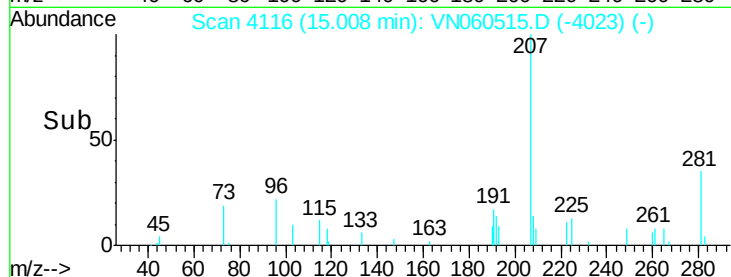
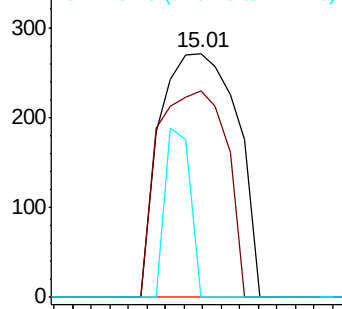
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN060515.D
Acq: 16 Mar 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0316WBL01

Tot Ion:225 Resp: 313
Ion Ratio Lower Upper
225 100
223 75.4 31.3 93.9
227 22.4 32.3 96.9#

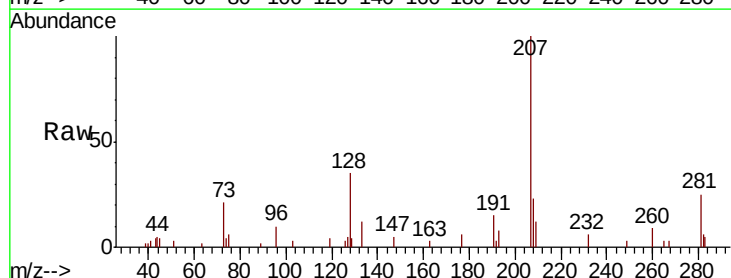


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

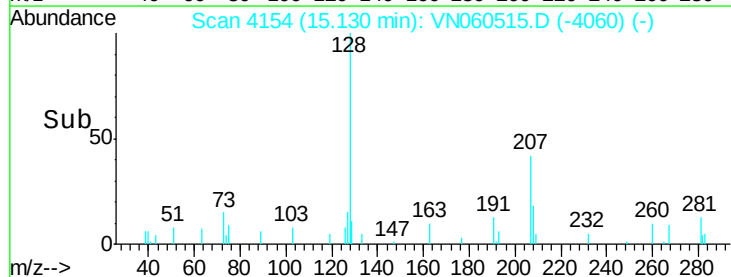
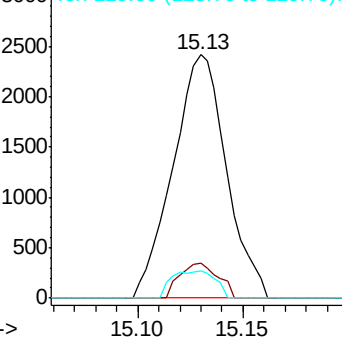


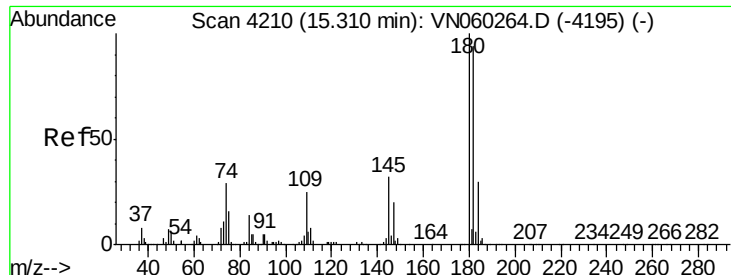
#95
Naphthalene
Concen: 0.307 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060515.D
Acq: 16 Mar 2020 11:51

Tgt Ion:128 Resp: 4250
Ion Ratio Lower Upper
128 100
127 10.3 10.4 15.6#
129 9.1 8.6 13.0



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

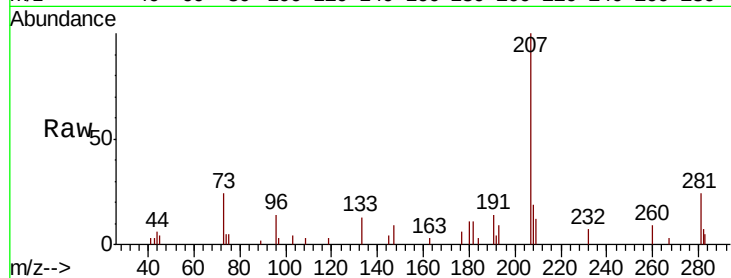




#96
 1,2,3-Trichlorobenzene
 Concen: 0.407 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060515.D
 Acq: 16 Mar 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	142.0
145	31.4	16.2	48.5



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

