

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055461.D
 Acq On : 8 May 2019 2:00
 Operator : JC/SP
 Sample : K2717-08
 Misc : 6.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-0612-01

Quant Time: May 08 05:56:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

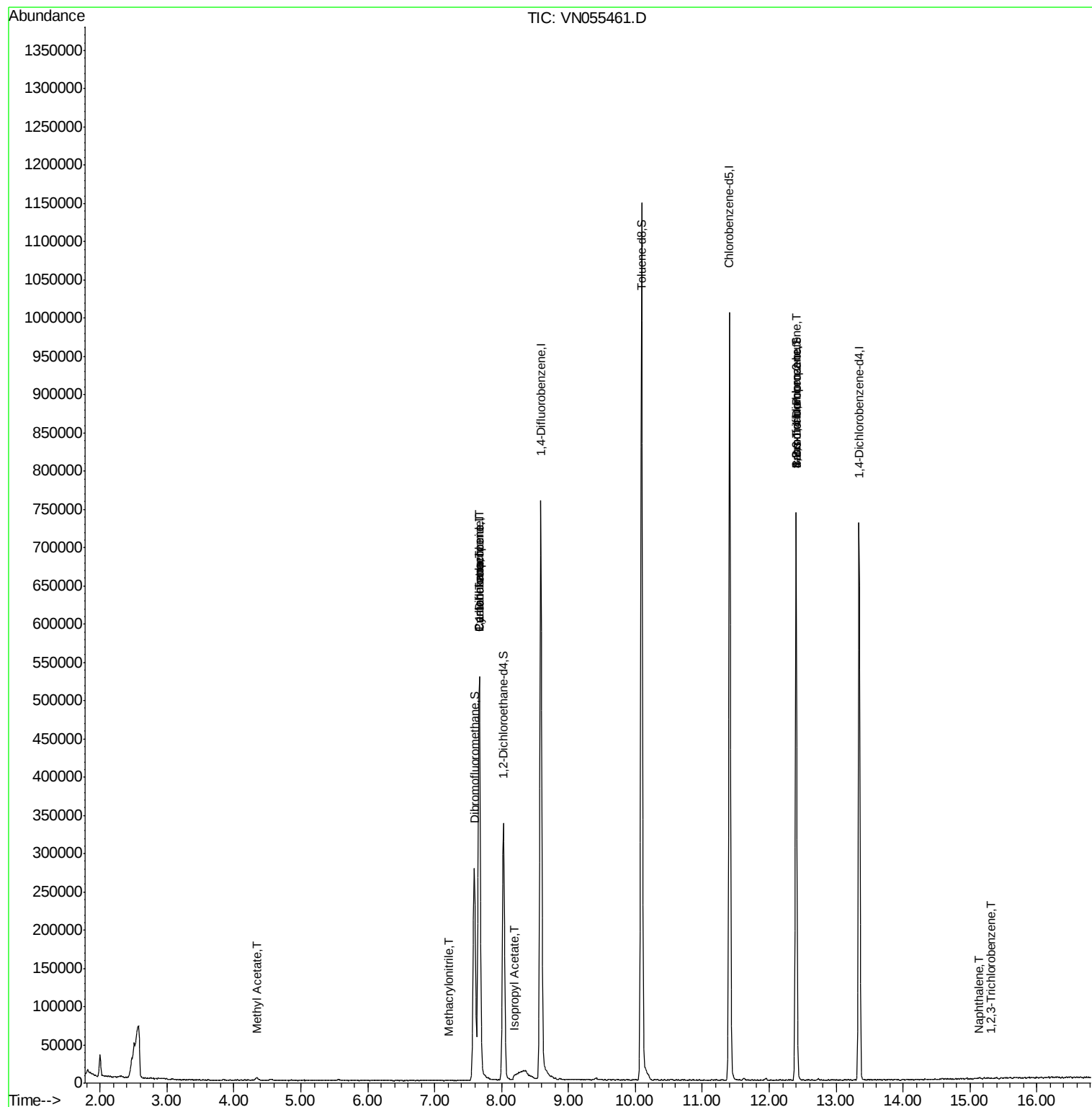
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	430975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	664024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187628	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	279194	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.59	113	208689	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	10.09	98	789292	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	244983	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
Target Compounds						
					Qvalue	
18) Methyl Acetate	4.35	43	6985	0.609	ug/l #	57
31) Cyclohexane	7.66	56	9489	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	33288	5.234	ug/l #	46
38) Carbon Tetrachloride	7.67	117	41108	6.700	ug/l #	16
41) Methacrylonitrile	7.21	41	125	0.787	ug/l #	29
43) Isopropyl Acetate	8.19	43	3717	0.474	ug/l #	56
71) Bromoform	12.40	173	2222	0.943	ug/l #	1
73) Isopropylbenzene	12.25	105	33	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.41	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	131938	37.186	ug/l #	100
79) 2-Chlorotoluene	12.67	91	61	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	131938	133.259	ug/l #	7
95) Naphthalene	15.14	128	325	3.386	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	67	2.639	ug/l #	85

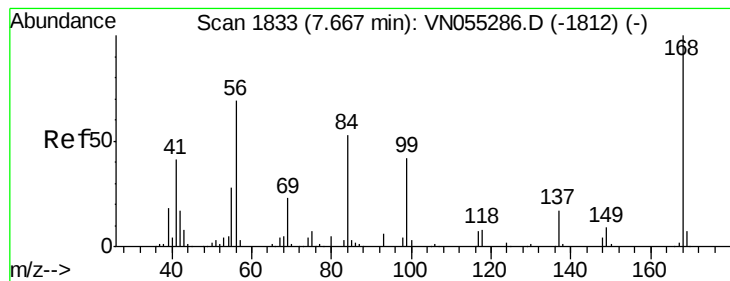
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055461.D

Acq: 8 May 2019 2:00

Instrument :

MSVOA_N

ClientSampleId :

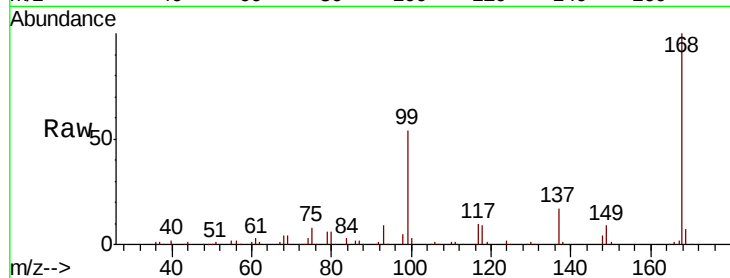
P026-SS002-0612-01

Tot Ion:168 Resp: 430975

Ion Ratio Lower Upper

168 100

99 54.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

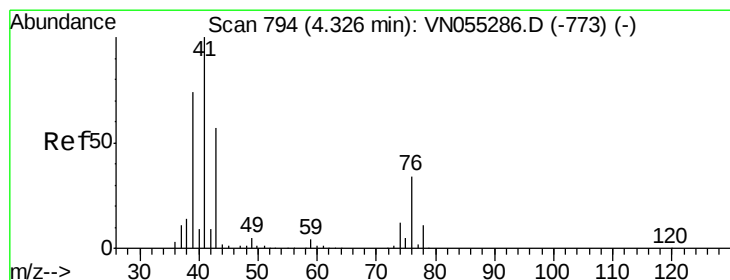
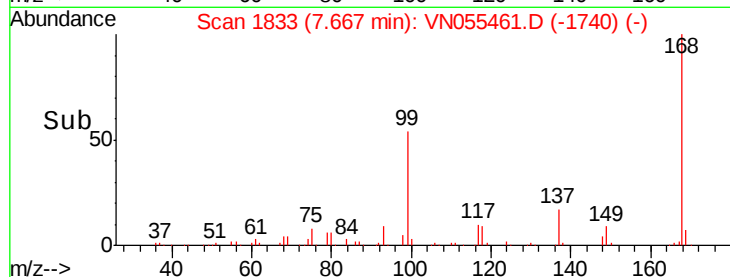
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 0.609 ug/l

RT: 4.35 min Scan# 800

Delta R.T. 0.02 min

Lab File: VN055461.D

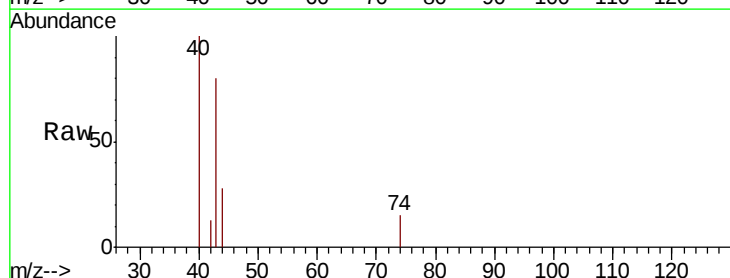
Acq: 8 May 2019 2:00

Tgt Ion: 43 Resp: 6985

Ion Ratio Lower Upper

43 100

74 0.0 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN

4.35

2500

2000

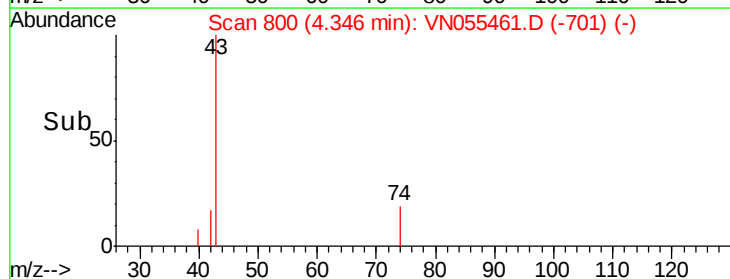
1500

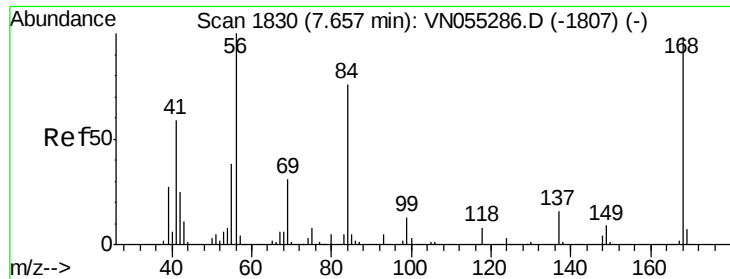
1000

500

0

Time-->

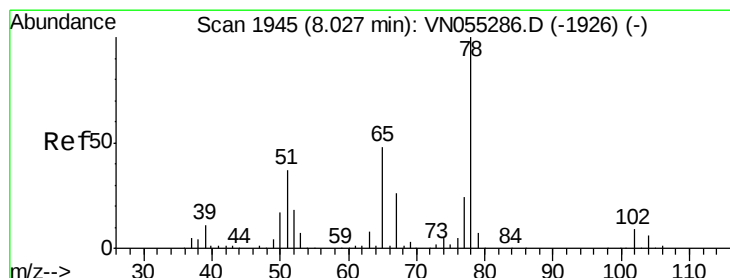
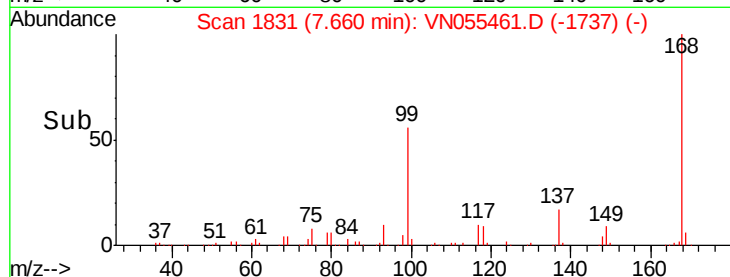
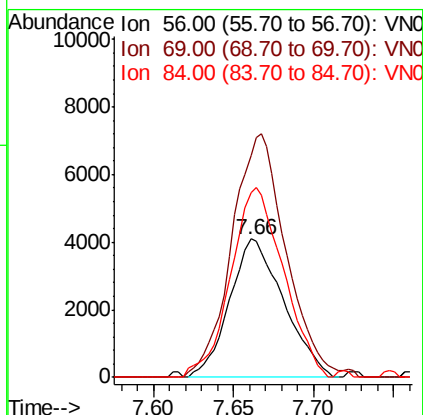
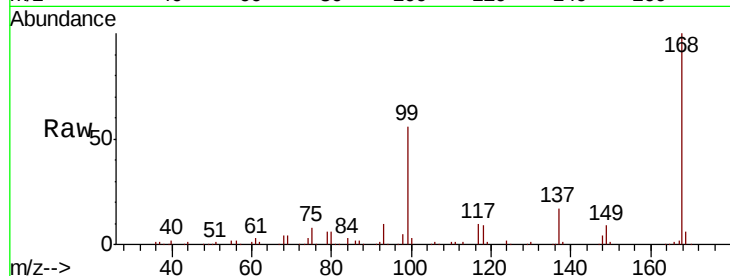




#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN055461.D
Acq: 8 May 2019 2:00

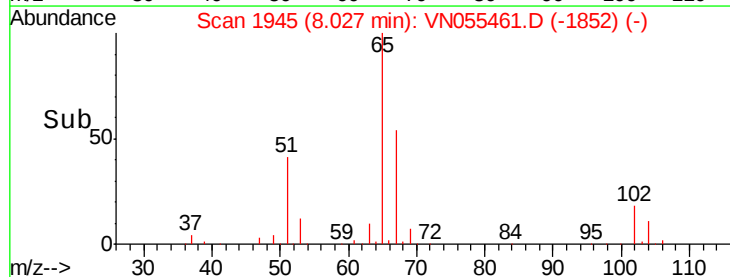
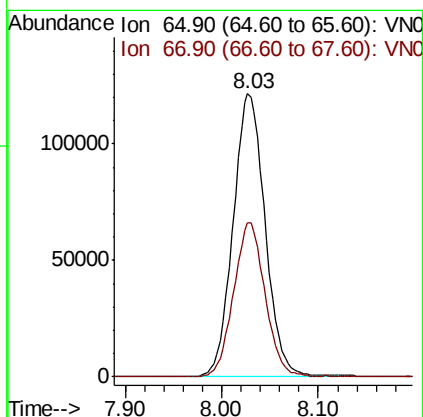
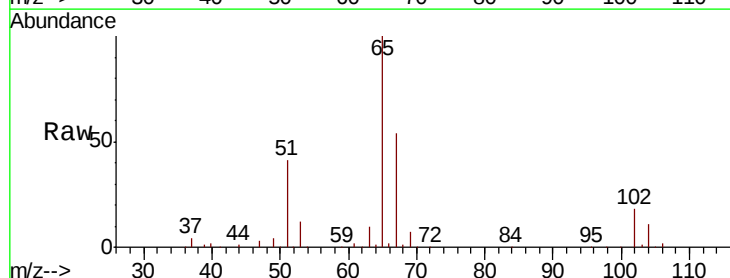
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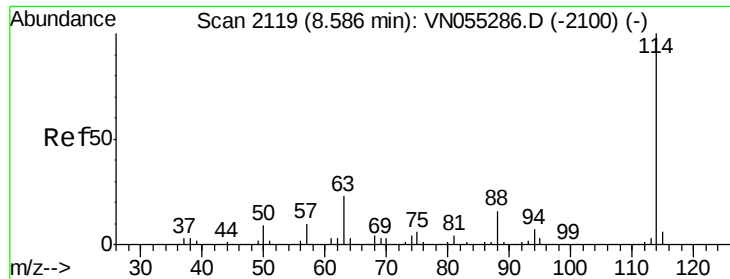
Tot Ion: 56 Resp: 9489
Ion Ratio Lower Upper
56 100
69 155.8 25.2 37.8#
84 129.3 61.1 91.7#



#33
1,2-Dichloroethane-d4
Concen: 49.519 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055461.D
Acq: 8 May 2019 2:00

Tgt Ion: 65 Resp: 279194
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8

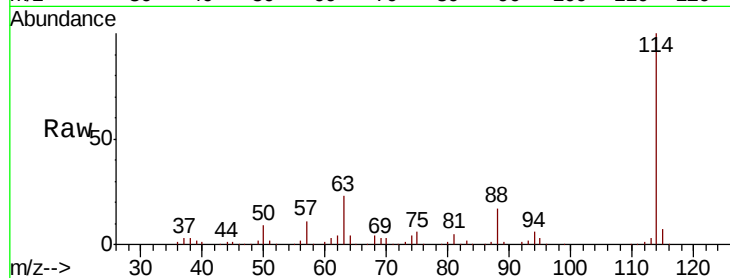




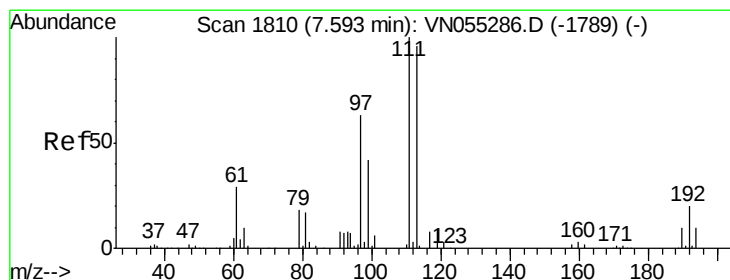
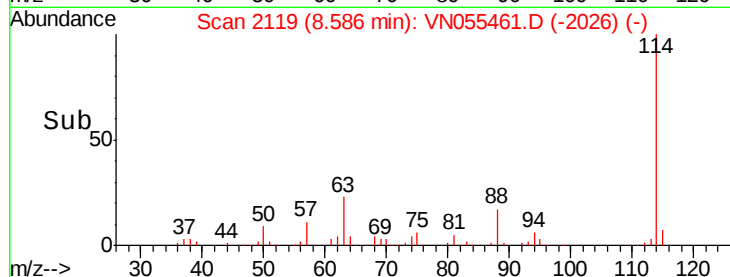
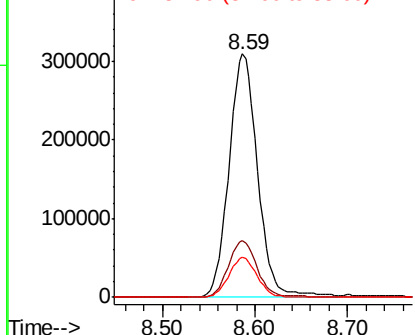
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055461.D
 Acq: 8 May 2019 2:00

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-0612-01

Tot Ion:114 Resp: 664024
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.2
 88 16.5 0.0 31.6

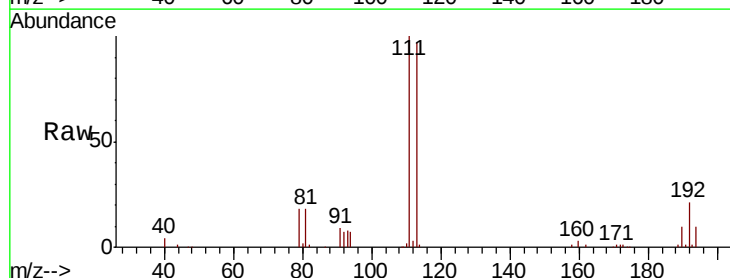


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

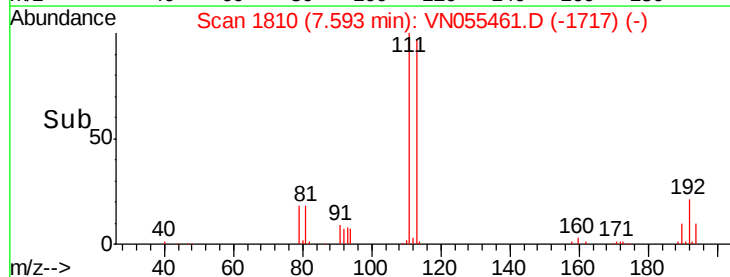
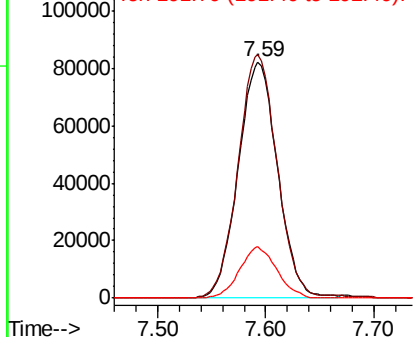


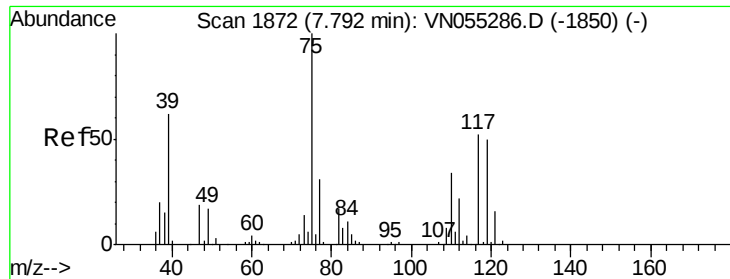
#35
 Dibromofluoromethane
 Concen: 47.882 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055461.D
 Acq: 8 May 2019 2:00

Tgt Ion:113 Resp: 208689
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.3 123.5
 192 20.6 17.0 25.6



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

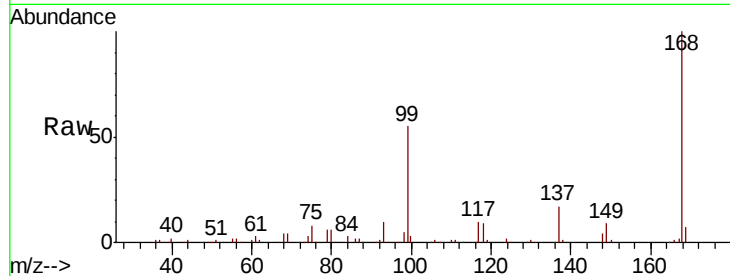




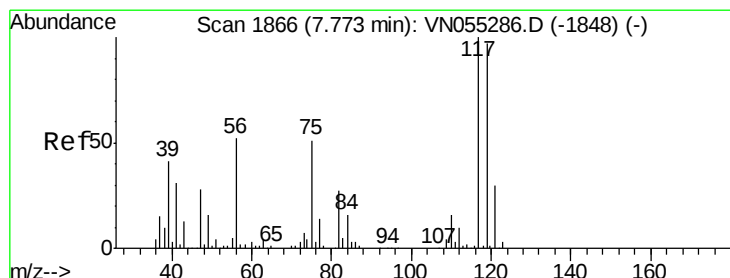
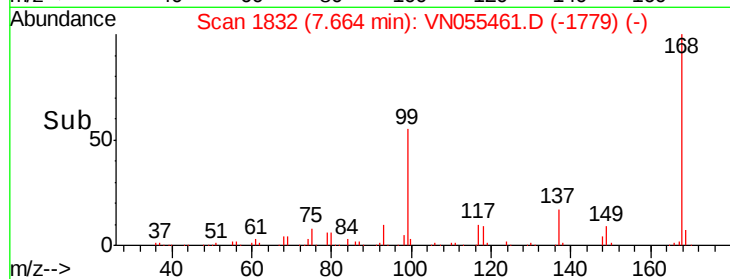
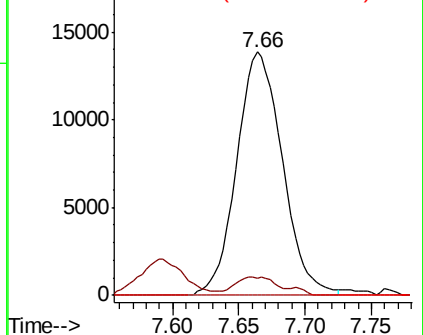
#36
 1,1-Dichloropropene
 Concen: 5.234 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055461.D
 Acq: 8 May 2019 2:00

Instrument :
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 P026-SS002-0612-01

Tot Ion	Ratio	Lower	Upper
75	100		
110	4.3	16.8	50.4#
77	0.0	25.0	37.6#

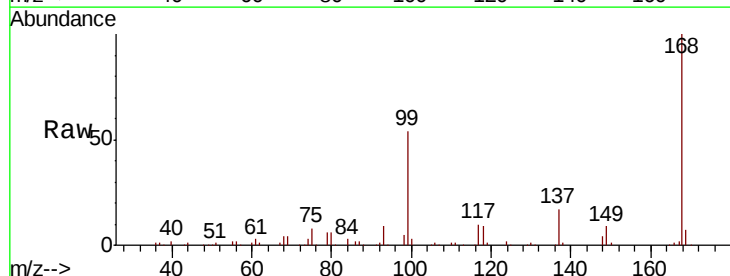


Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-1850) (-)

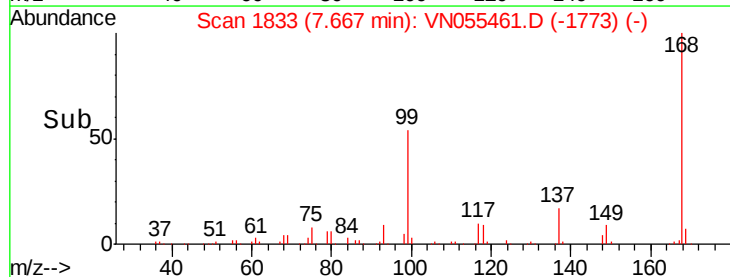
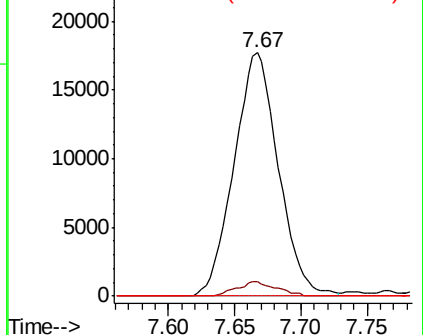


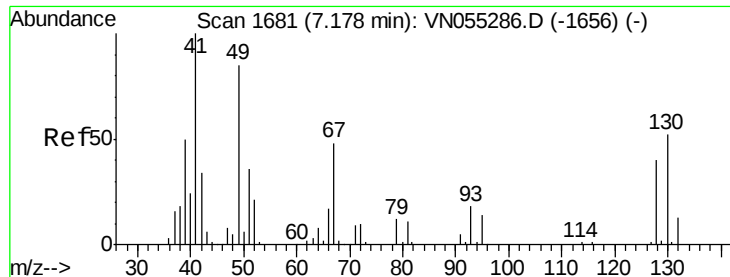
#38
 Carbon Tetrachloride
 Concen: 6.700 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055461.D
 Acq: 8 May 2019 2:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.0	115.6#
121	0.0	23.8	35.8#



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-1848) (-)

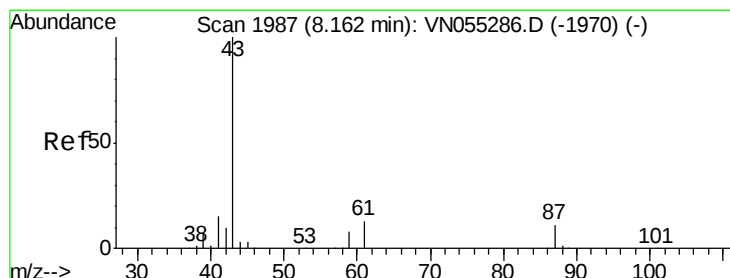
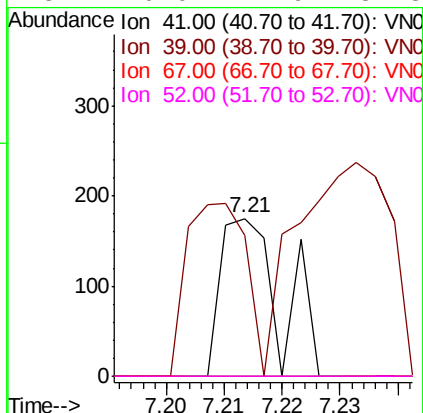
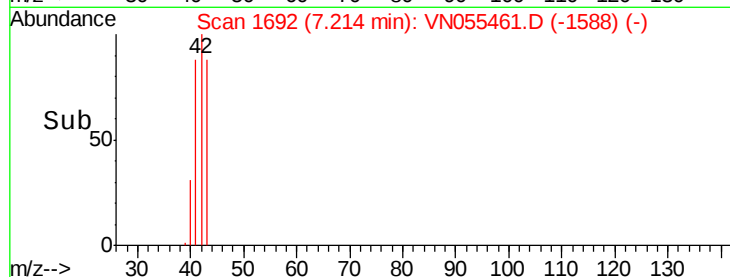
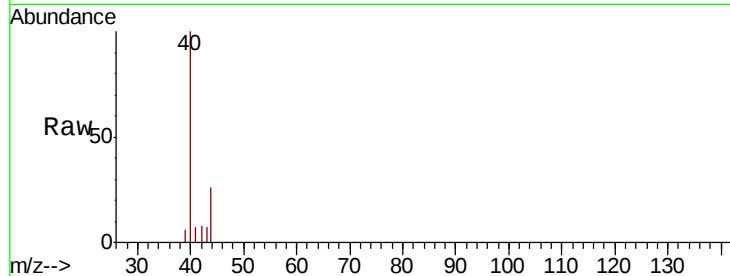




#41
Methacrylonitrile
Concen: 0.787 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN055461.D
Acq: 8 May 2019 2:00

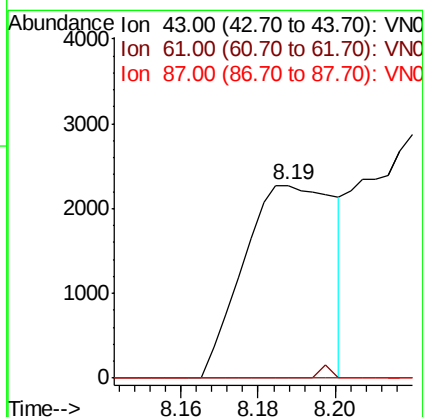
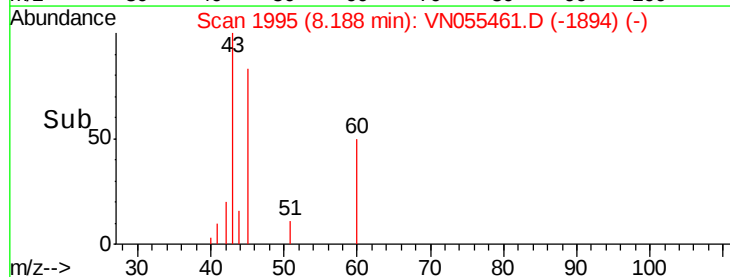
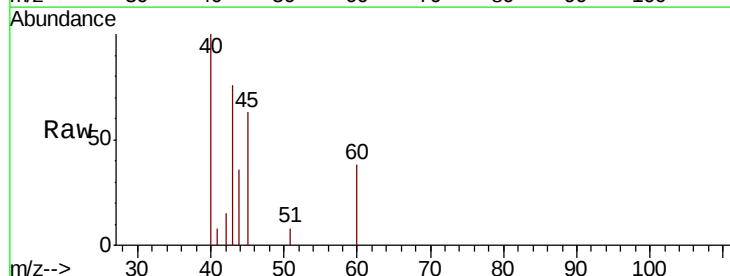
Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-0612-01

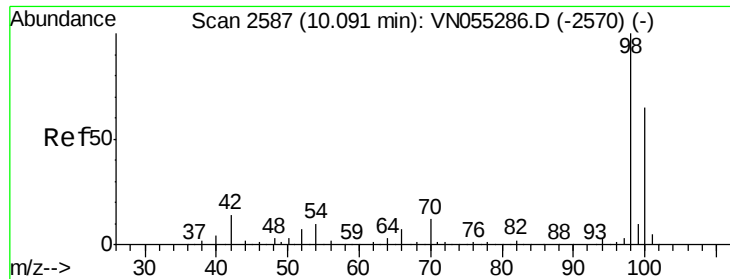
Tot Ion: 41 Resp: 125
Ion Ratio Lower Upper
41 100
39 108.8 48.5 72.7#
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 0.474 ug/l
RT: 8.19 min Scan# 1995
Delta R.T. 0.03 min
Lab File: VN055461.D
Acq: 8 May 2019 2:00

Tgt Ion: 43 Resp: 3717
Ion Ratio Lower Upper
43 100
61 0.0 20.8 31.2#
87 0.0 8.5 12.7#





#50

Toluene-d8

Concen: 50.153 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055461.D

Acq: 8 May 2019 2:00

Instrument :

MSVOA_N

ClientSampleId :

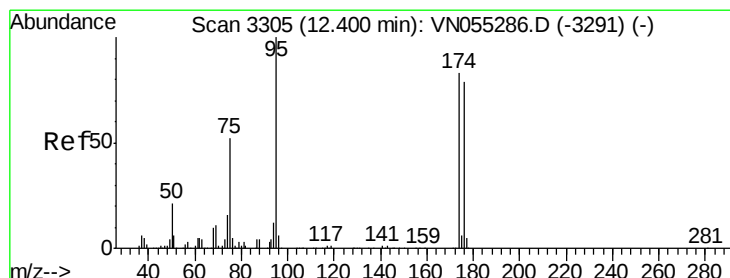
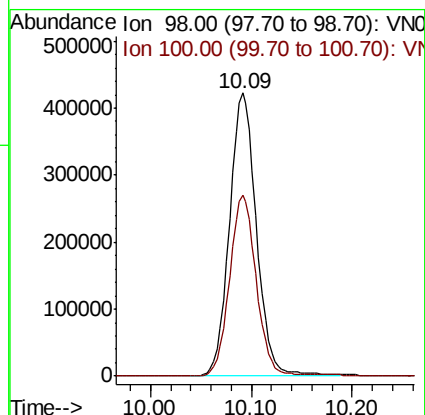
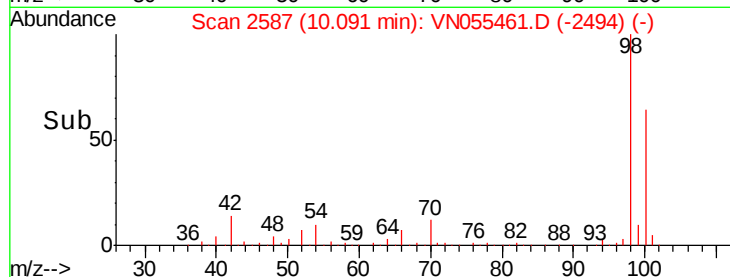
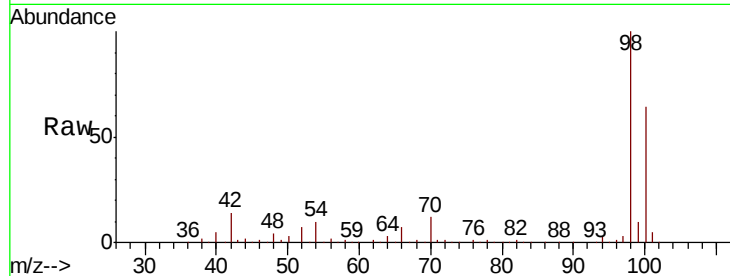
P026-SS002-0612-01

Tot Ion: 98 Resp: 789292

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 49.807 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055461.D

Acq: 8 May 2019 2:00

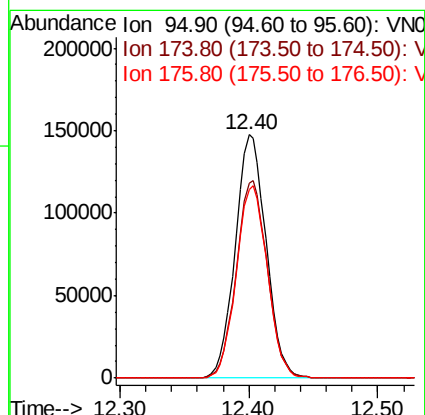
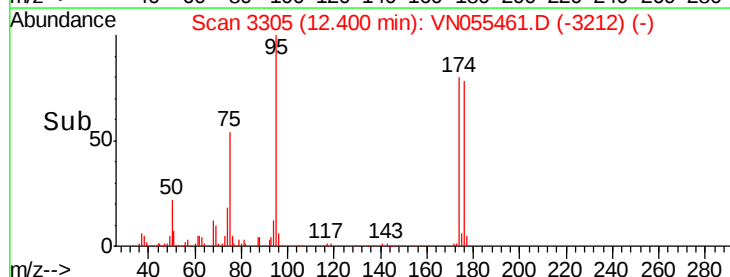
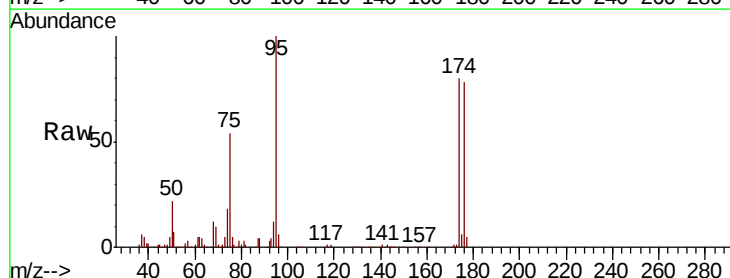
Tgt Ion: 95 Resp: 244983

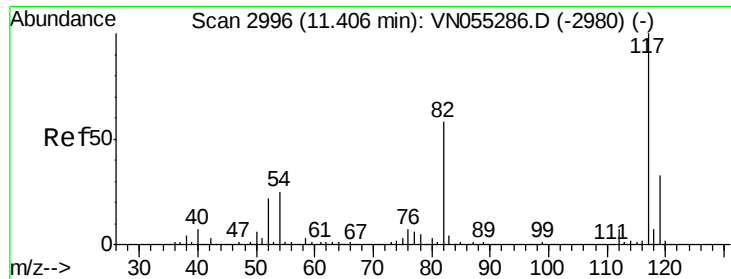
Ion Ratio Lower Upper

95 100

174 81.6 0.0 166.6

176 79.9 0.0 157.8

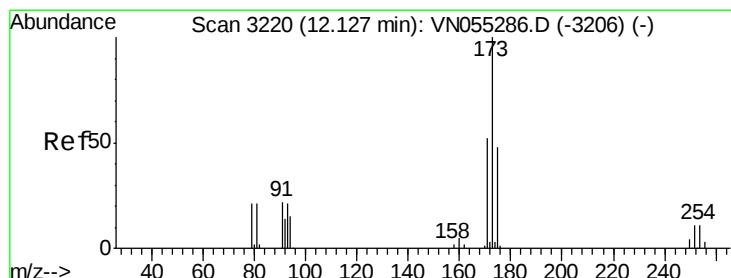
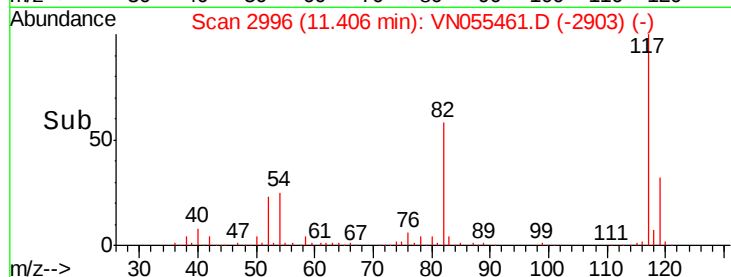
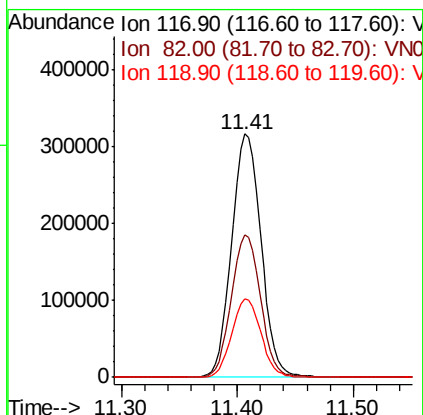
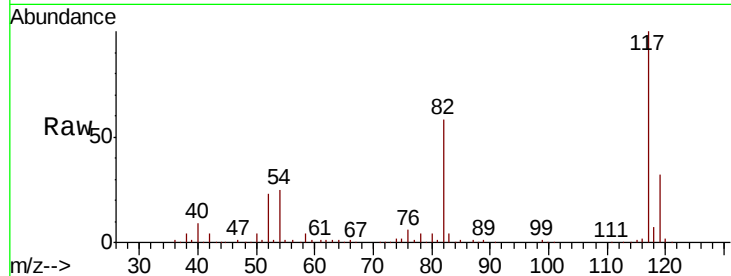




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055461.D
Acq: 8 May 2019 2:00

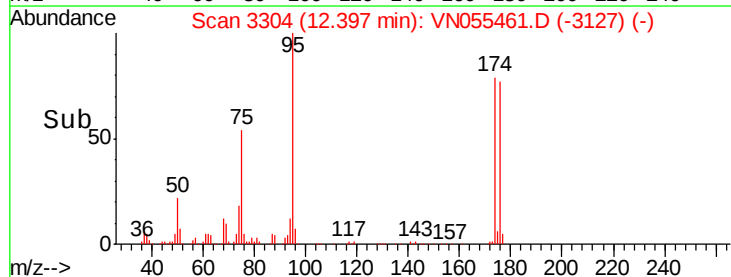
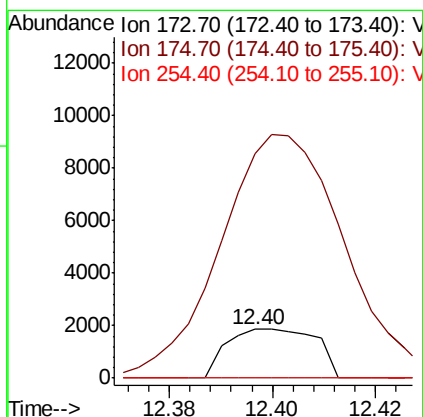
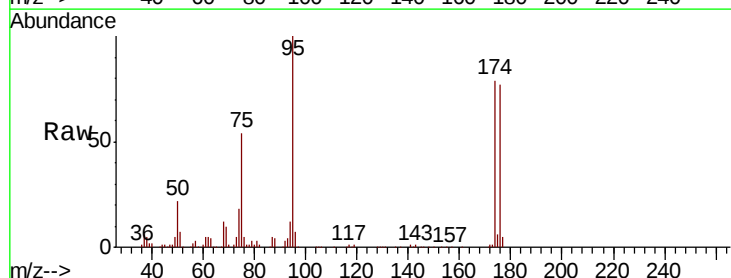
Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-0612-01

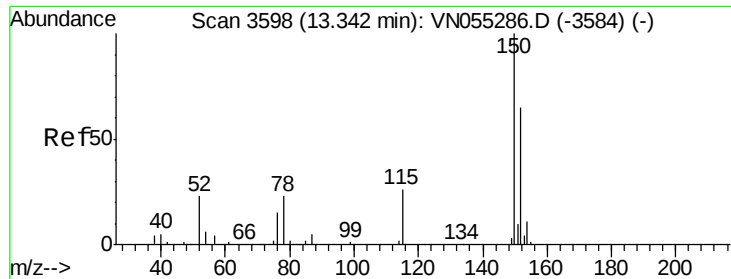
Tot Ion:117 Resp: 554921
Ion Ratio Lower Upper
117 100
82 58.4 46.2 69.4
119 32.1 26.6 40.0



#71
Bromoform
Concen: 0.943 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN055461.D
Acq: 8 May 2019 2:00

Tgt Ion:173 Resp: 2222
Ion Ratio Lower Upper
173 100
175 604.0 23.6 71.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055461.D

Acq: 8 May 2019 2:00

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-0612-01

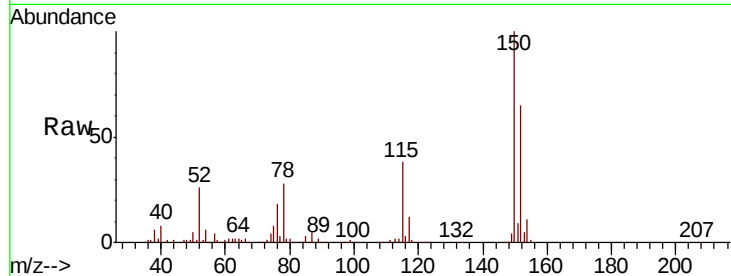
Tot Ion:152 Resp: 187628

Ion Ratio Lower Upper

152 100

115 58.2 29.0 87.0

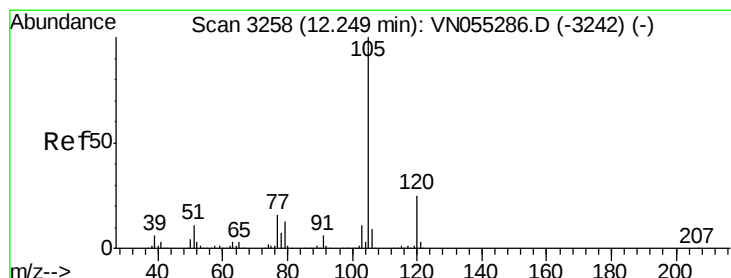
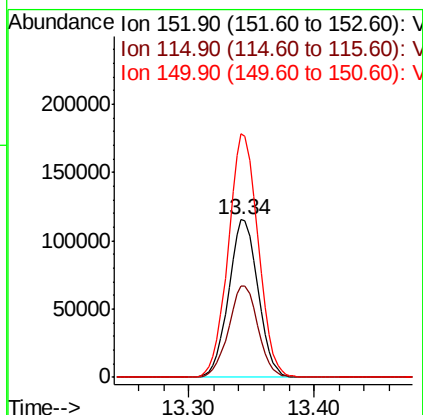
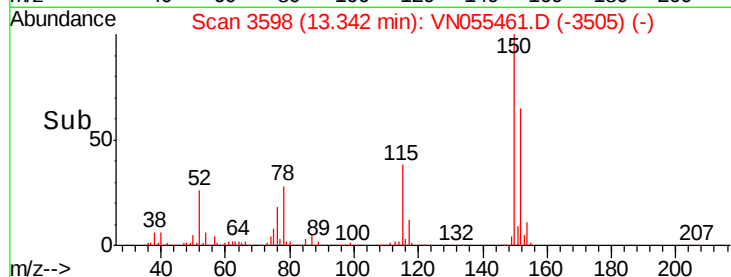
150 157.0 0.0 345.6



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055461.D

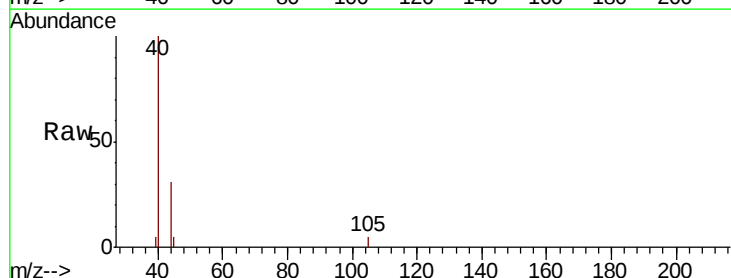
Acq: 8 May 2019 2:00

Tgt Ion:105 Resp: 33

Ion Ratio Lower Upper

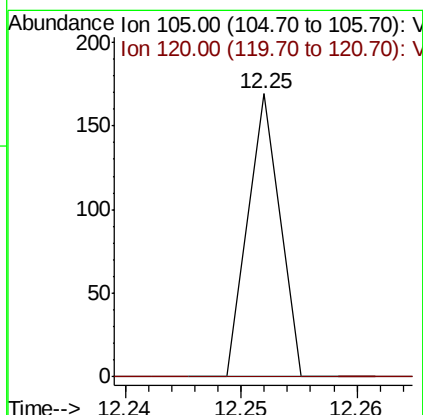
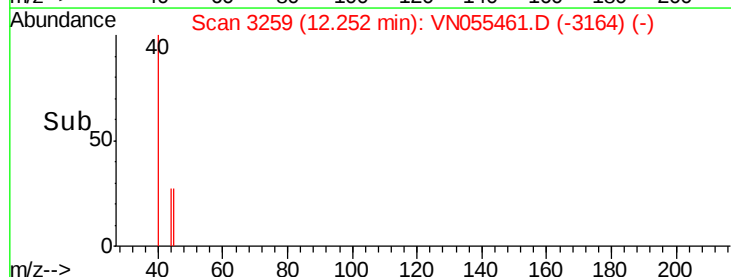
105 100

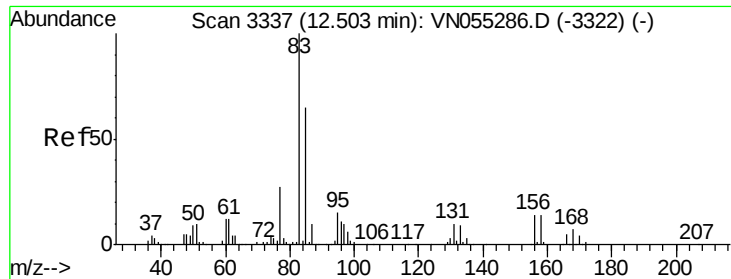
120 0.0 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN055461.D

Acq: 8 May 2019 2:00

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-0612-01

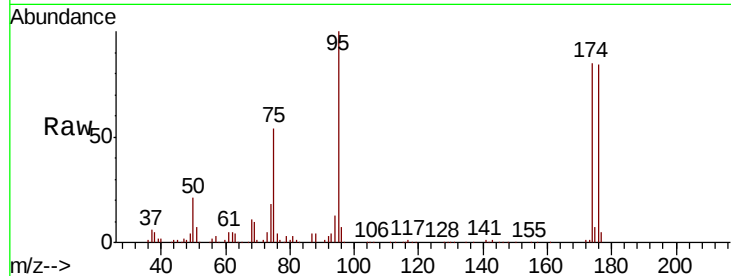
Tot Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 813.8 5.1 15.2#

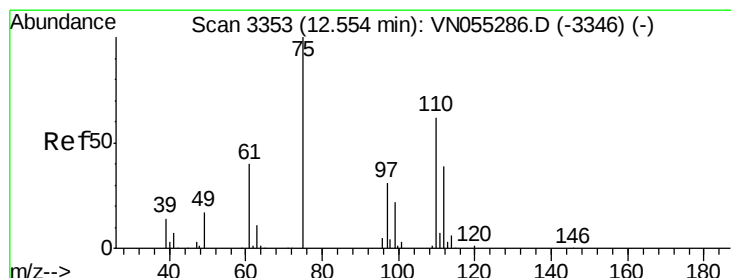
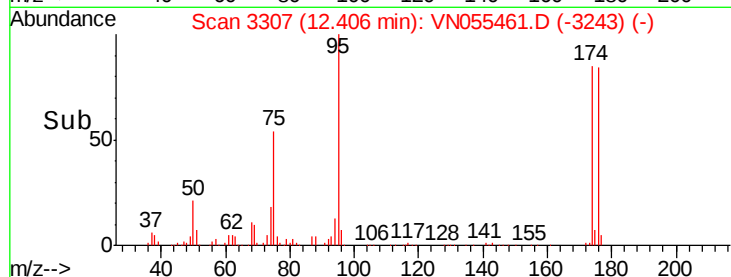
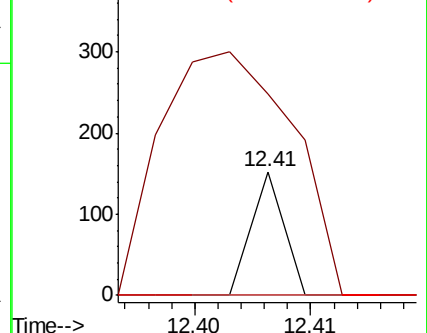
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 37.186 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055461.D

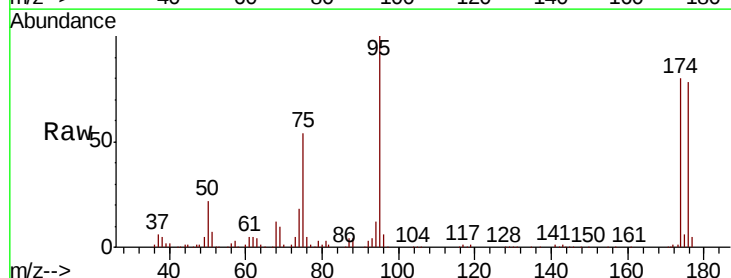
Acq: 8 May 2019 2:00

Tgt Ion: 75 Resp: 131938

Ion Ratio Lower Upper

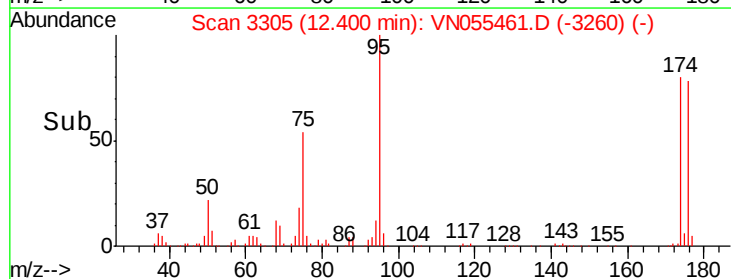
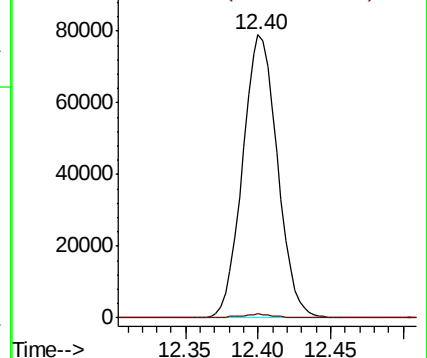
75 100

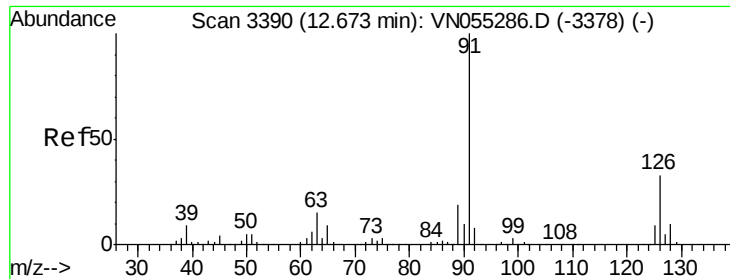
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

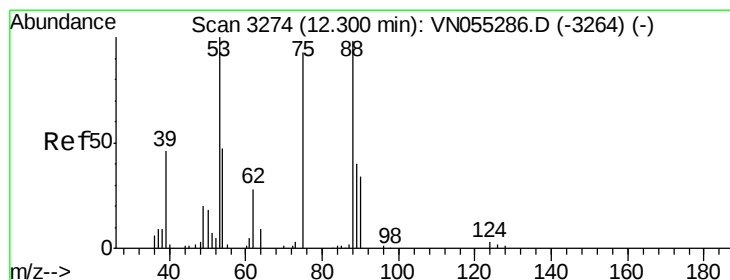
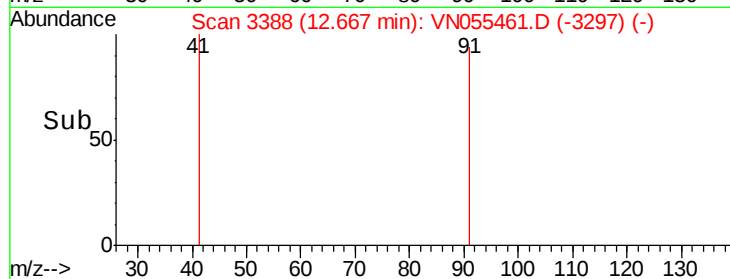
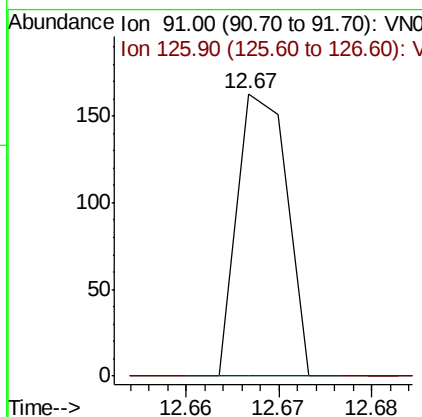
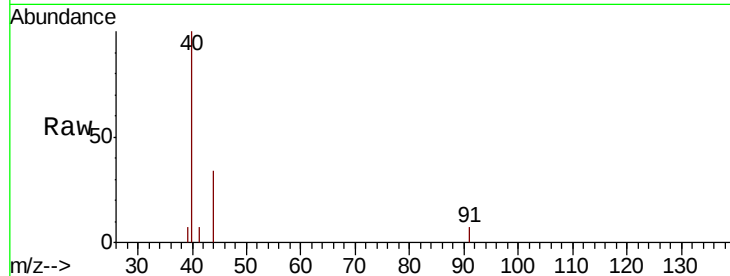




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VN055461.D
 Acq: 8 May 2019 2:00

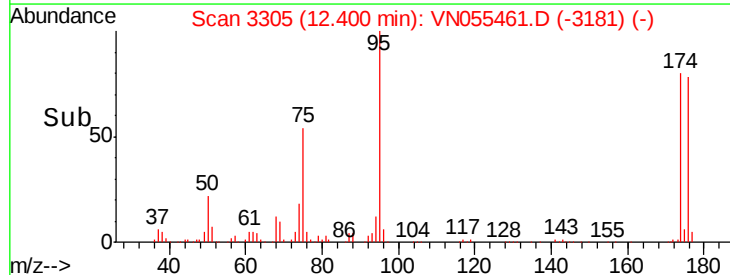
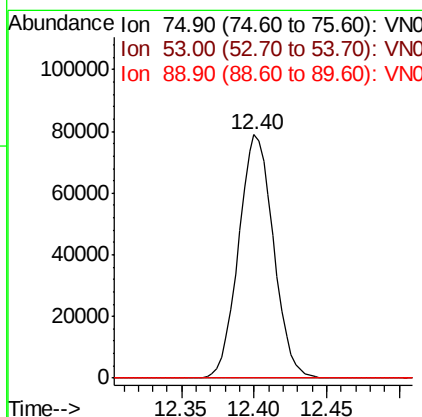
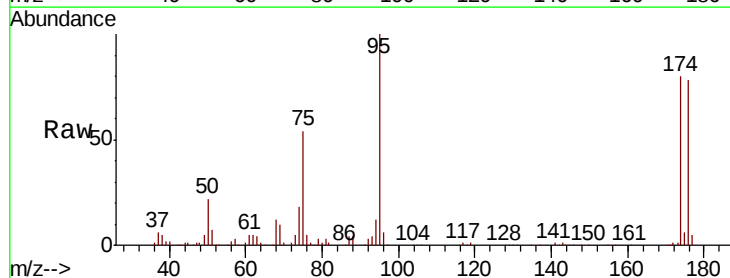
Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-0612-01

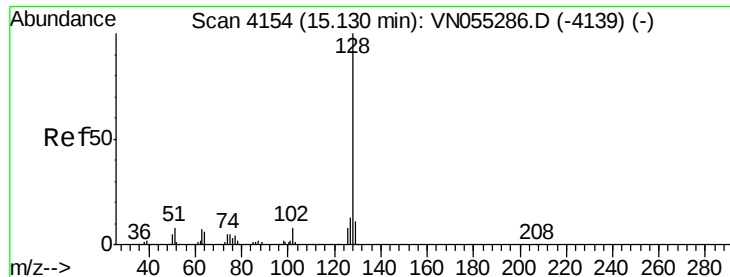
Tot Ion: 91 Resp: 61
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.259 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055461.D
 Acq: 8 May 2019 2:00

Tgt Ion: 75 Resp: 131938
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.3 129.5#
 89 0.0 34.6 51.8#





#95

Naphthalene

Concen: 3.386 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055461.D

Acq: 8 May 2019 2:00

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-0612-01

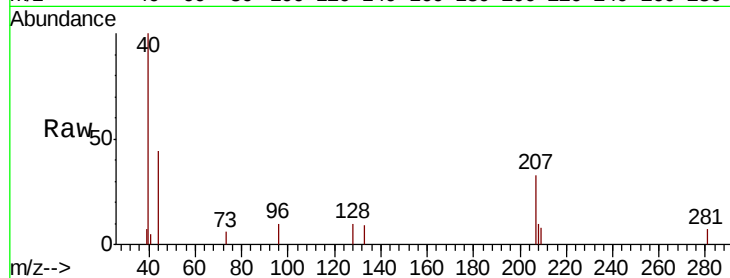
Tot Ion:128 Resp: 325

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

15.14

15.14

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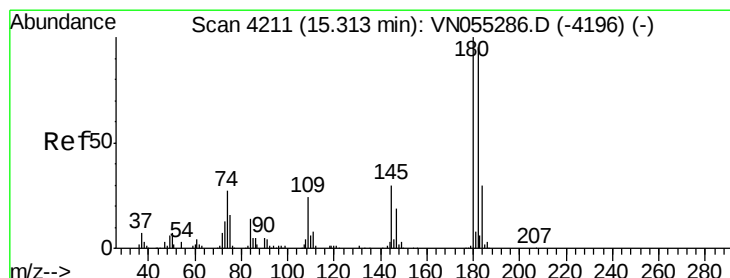
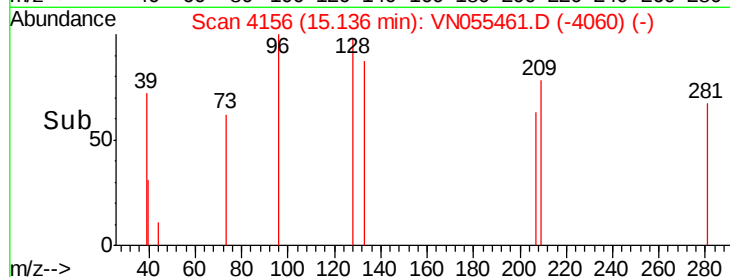
15.14

15.14

15.14

15.14

15.14



#96

1,2,3-Trichlorobenzene

Concen: 2.639 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055461.D

Acq: 8 May 2019 2:00

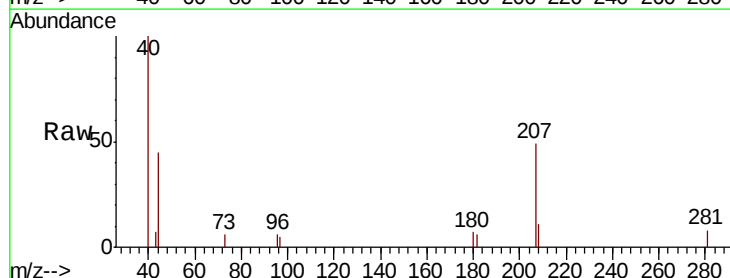
Tgt Ion:180 Resp: 67

Ion Ratio Lower Upper

180 100

182 94.0 48.3 144.9

145 0.0 15.2 45.6#



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

15.31

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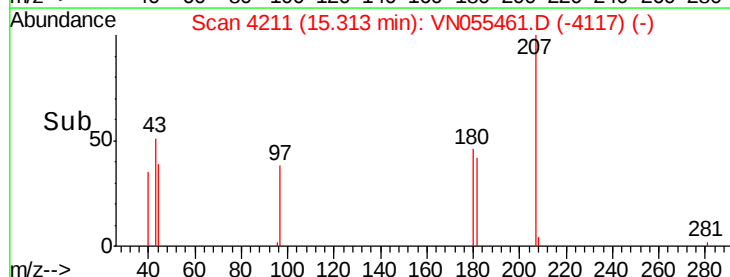
15.31

15.31

15.31

15.31

15.31



Time--> 15.30 15.31 15.32