

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054065.D
 Acq On : 4 Mar 2019 14:59
 Operator : JC/SP
 Sample : VN0304WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

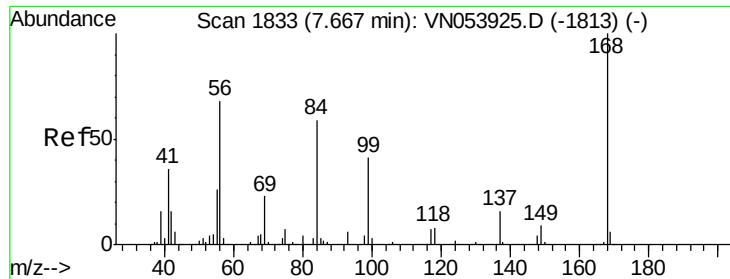
Quant Time: Mar 04 23:51:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	522330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	988379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	961084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	334623	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	363895	59.43	ug/l	0.00
Spiked Amount			Recovery	=	118.86%	
35) Dibromofluoromethane	7.59	113	324516	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.09	98	1262097	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.40	95	412075	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	1003	Below Cal	#	40
18) Methyl Acetate	4.34	43	8883	2.075	ug/l #	74
20) Methylene Chloride	4.55	84	1559	0.257	ug/l #	95
31) Cyclohexane	7.66	56	10063	0.623	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	37451	4.074	ug/l #	47
38) Carbon Tetrachloride	7.66	117	46613	4.876	ug/l #	16
43) Isopropyl Acetate	8.33	43	77525	6.996	ug/l #	59
51) 4-Methyl-2-Pentanone	9.99	43	1734	0.305	ug/l #	66
56) Ethyl methacrylate	10.43	69	149	1.973	ug/l #	49
59) 2-Hexanone	10.75	43	1139	0.308	ug/l	81
71) Bromoform	12.40	173	3585	0.705	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	204568	38.109	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	204568	120.449	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2214	2.567	ug/l #	92
94) Hexachlorobutadiene	15.02	225	2194	0.548	ug/l	98
95) Naphthalene	15.14	128	5889	3.628	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2728	2.006	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054065.D

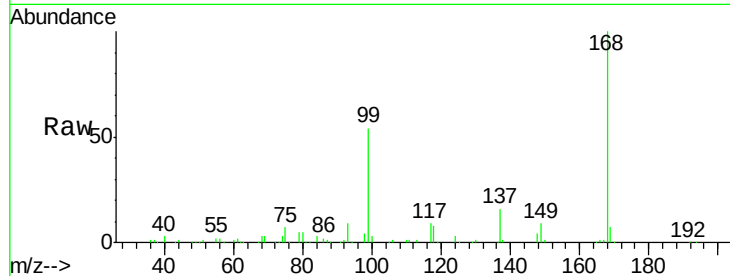
Acq: 4 Mar 2019 14:59

Tot Ion:168 Resp: 522330

Ion Ratio Lower Upper

168 100

99 54.2 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053925.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1813) (-)

7.66

200000

150000

100000

50000

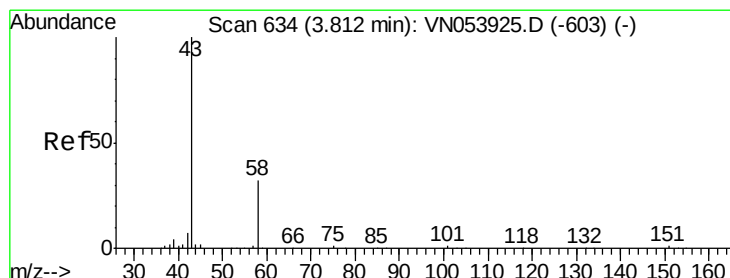
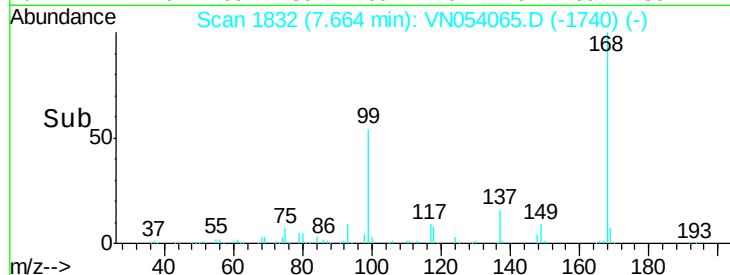
0

Time-->

7.60

7.70

7.80



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN054065.D

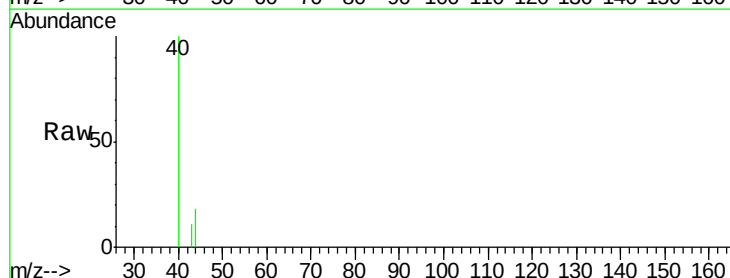
Acq: 4 Mar 2019 14:59

Tgt Ion: 43 Resp: 1003

Ion Ratio Lower Upper

43 100

58 0.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)

3.83

600

400

200

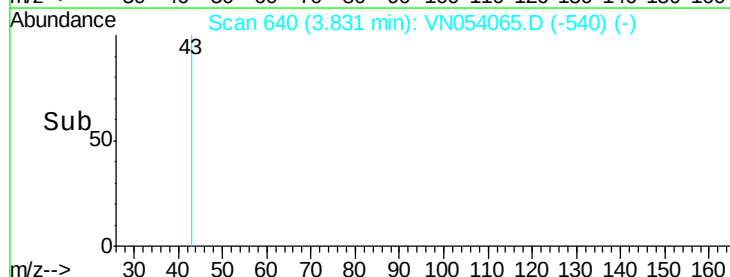
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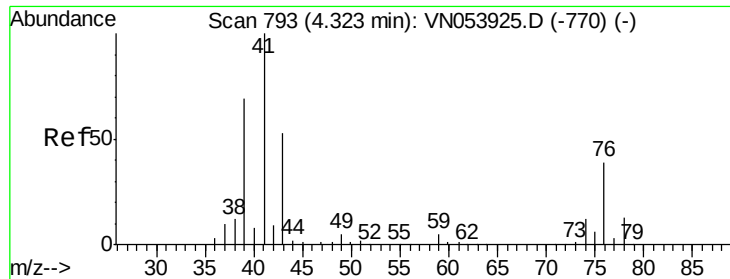
Time-->

3.75

3.80

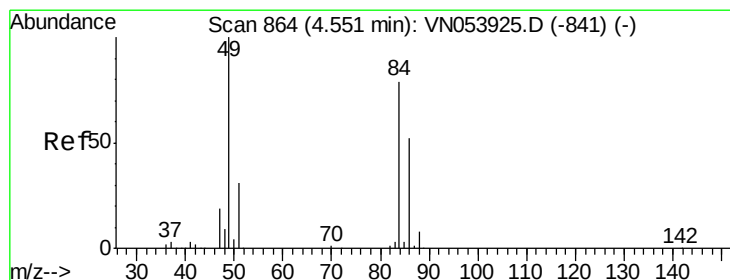
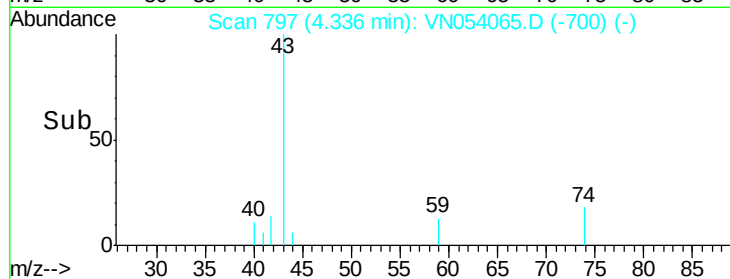
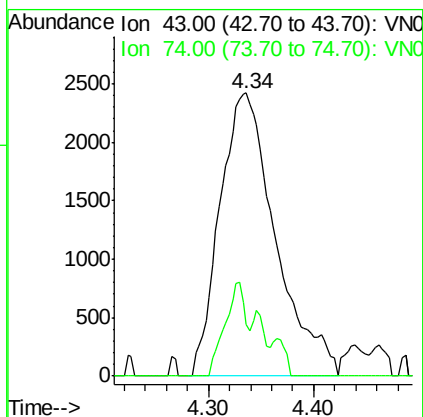
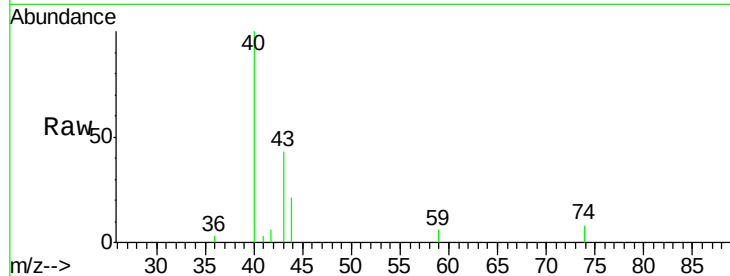
3.85





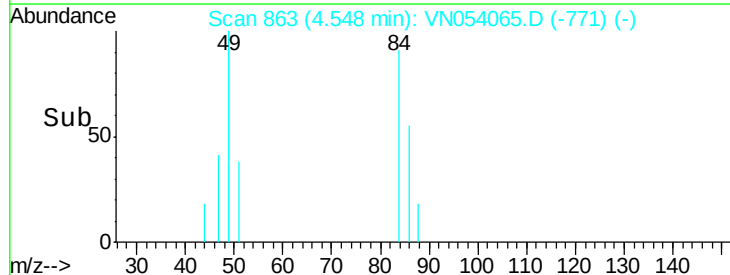
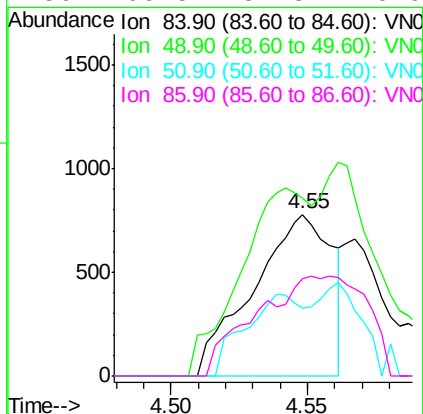
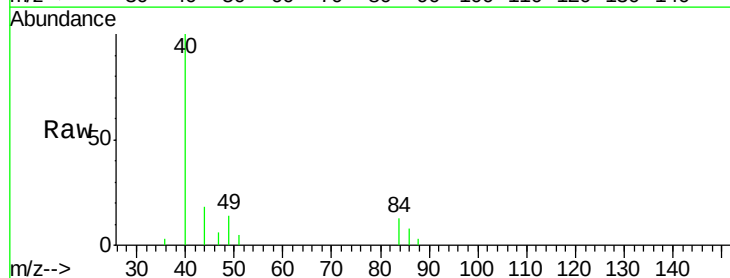
#18
Methyl Acetate
Concen: 2.075 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

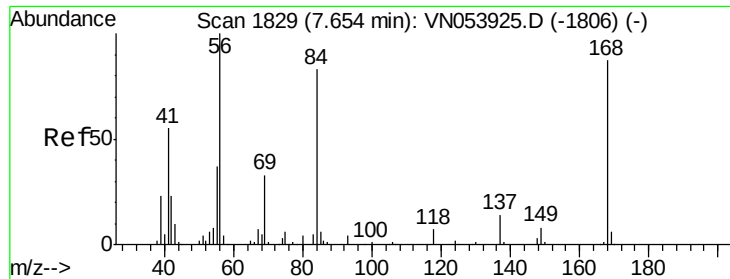
Tot Ion: 43 Resp: 8883
Ion Ratio Lower Upper
43 100
74 12.5 20.5 30.7#



#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

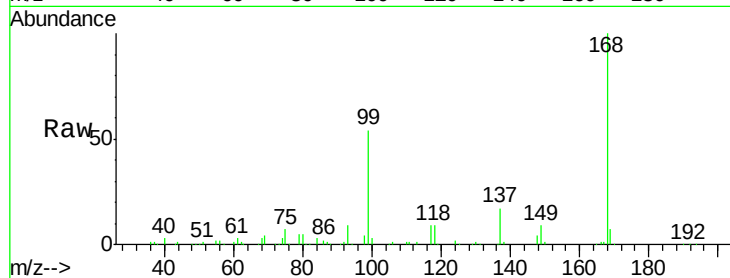
Tgt Ion: 84 Resp: 1559
Ion Ratio Lower Upper
84 100
49 109.6 89.7 134.5
51 42.2 27.8 41.8#
86 60.5 51.3 76.9



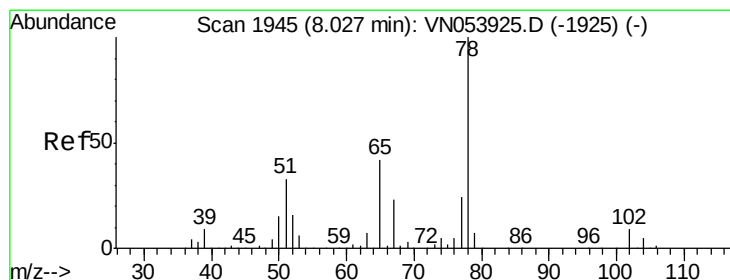
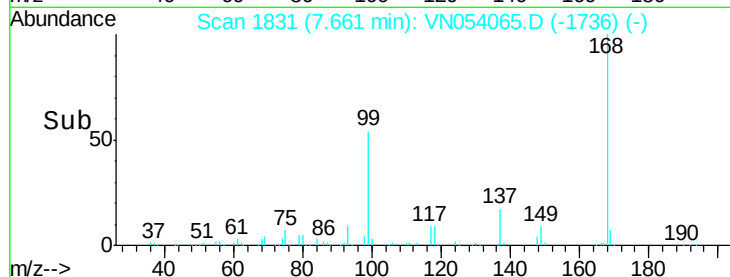
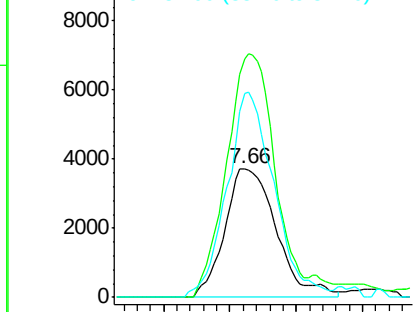


#31
Cyclohexane
Concen: 0.623 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

Tot Ion: 56 Resp: 10063
Ion Ratio Lower Upper
56 100
69 185.8 26.0 39.0#
84 154.7 69.1 103.7#

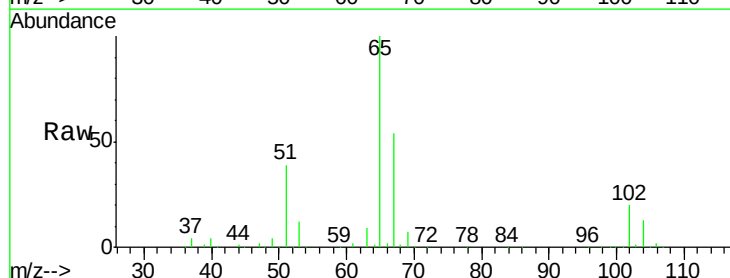


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

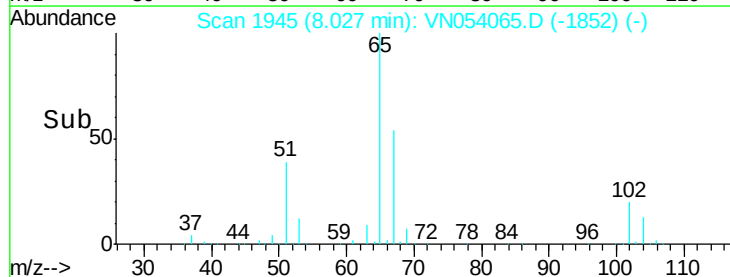
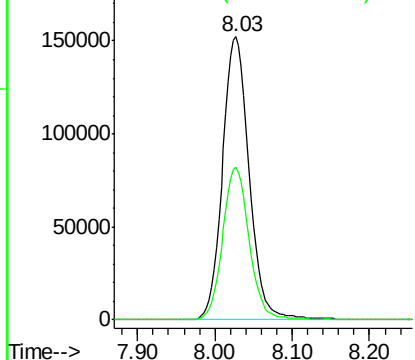


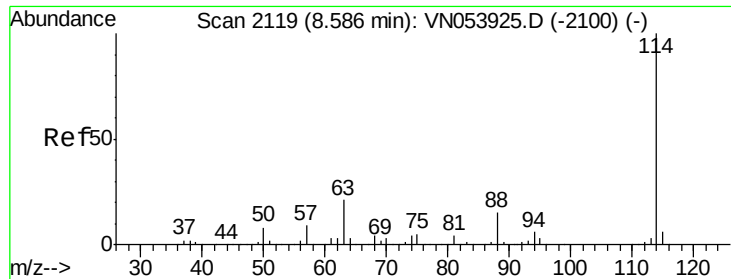
#33
1,2-Dichloroethane-d4
Concen: 59.432 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

Tgt Ion: 65 Resp: 363895
Ion Ratio Lower Upper
65 100
67 53.8 0.0 111.8



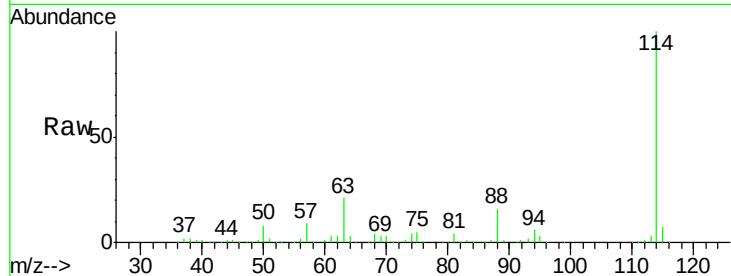
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



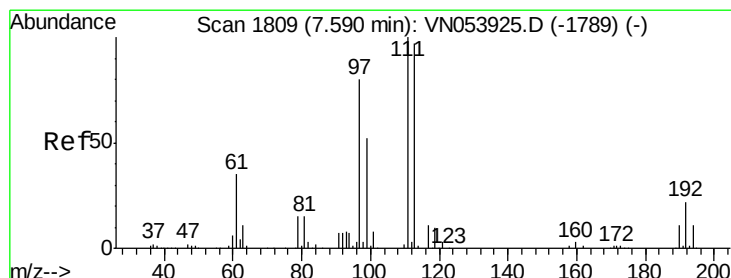
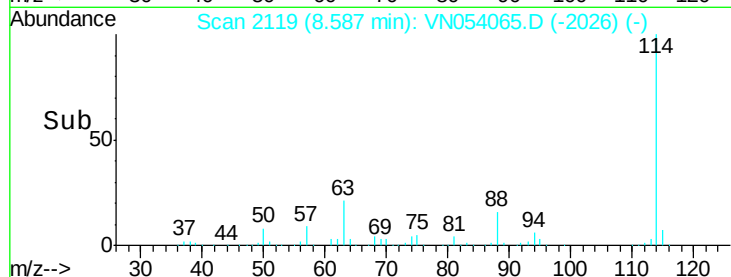
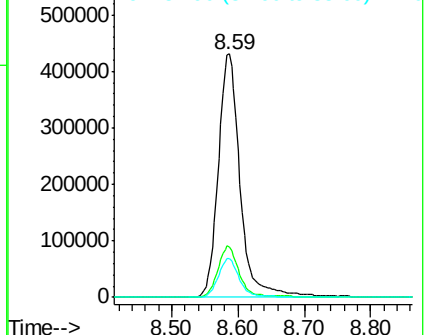


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	37.4
88	15.9	0.0	30.4

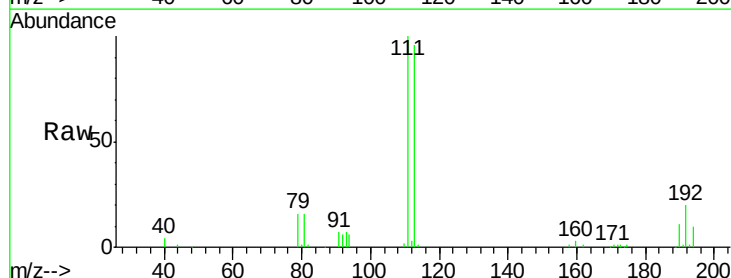


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

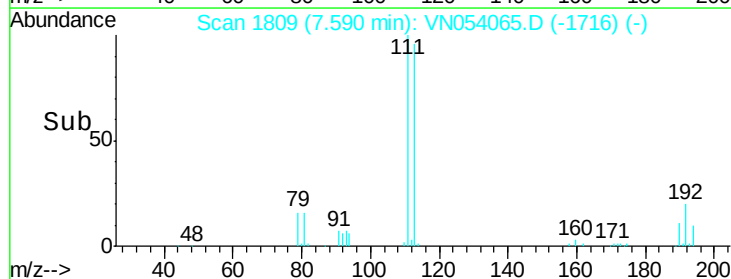
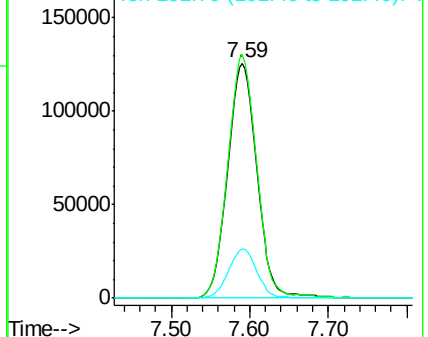


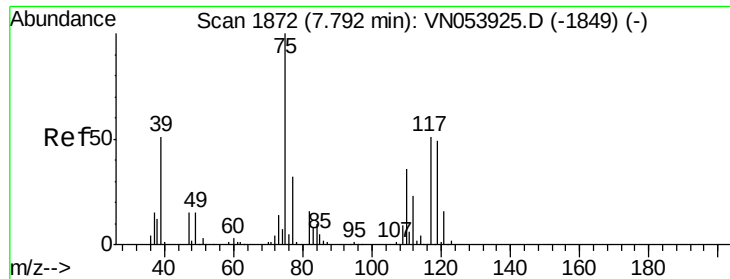
#35
Dibromofluoromethane
Concen: 50.774 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	20.5	18.8	28.2



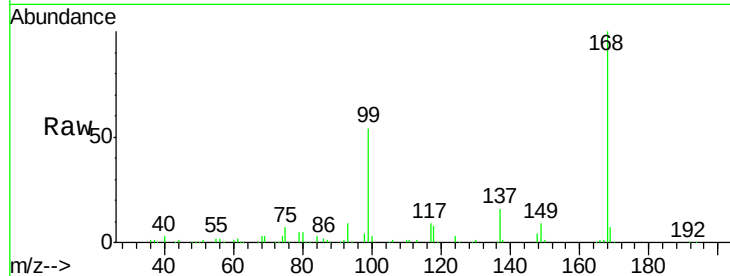
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36
 1,1-Dichloropropene
 Concen: 4.074 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054065.D
 Acq: 4 Mar 2019 14:59

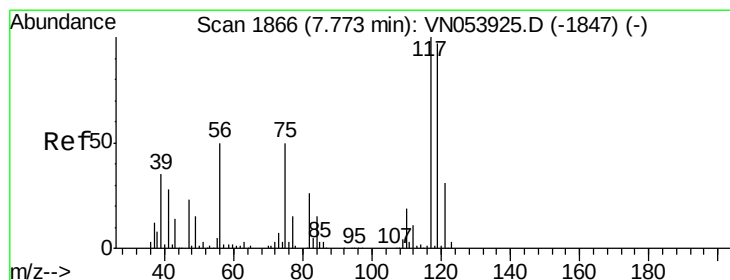
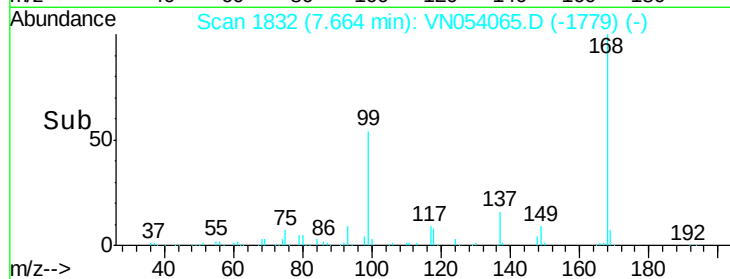
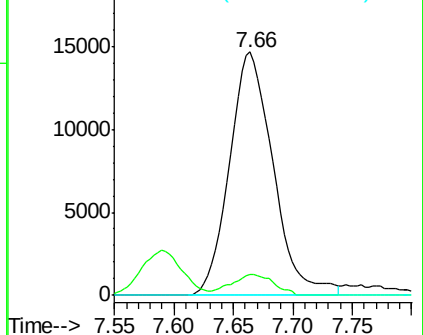
Tot Ion	75	Resp	37451
Ion Ratio	100	Lower	Upper
110	8.2	19.0	57.0#
77	0.0	25.4	38.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-1849) (-)

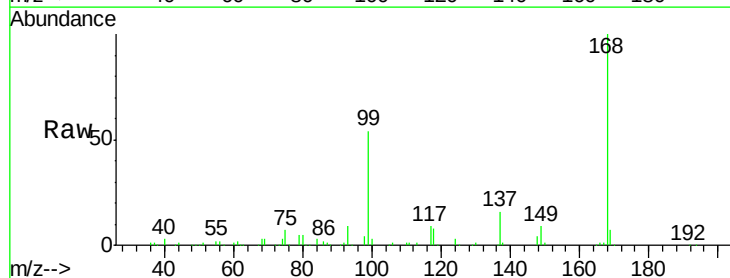
Ion 109.90 (109.60 to 110.60): VN053925.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053925.D (-1849) (-)



#38
 Carbon Tetrachloride
 Concen: 4.876 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054065.D
 Acq: 4 Mar 2019 14:59

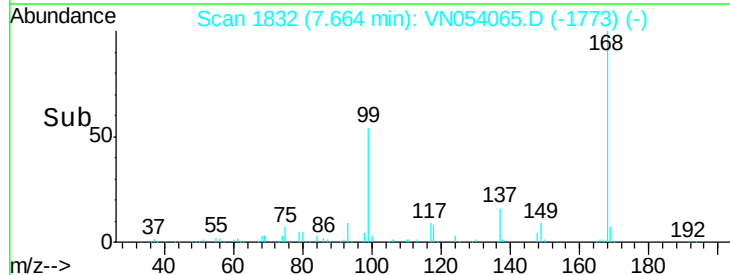
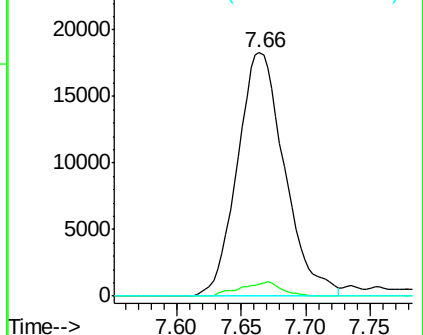
Tgt Ion	117	Resp	46613
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	5.1	76.2	114.2#
121	0.0	24.6	36.8#

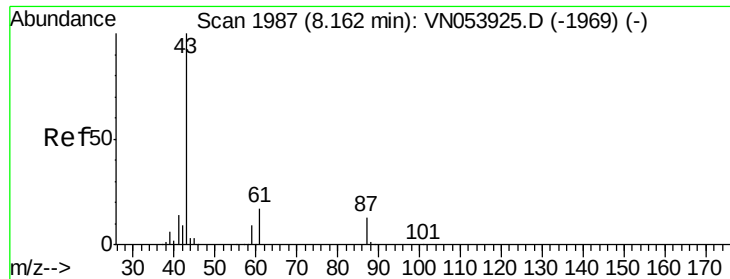


Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053925.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053925.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 6.996 ug/l

RT: 8.33 min Scan# 2039

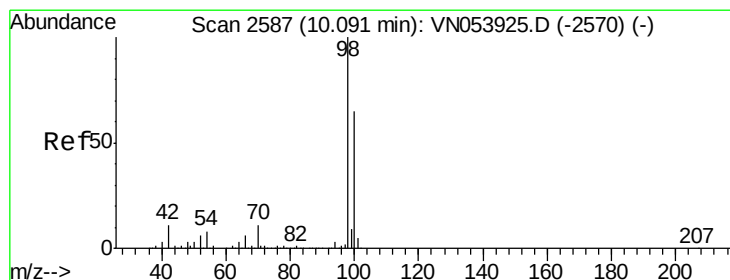
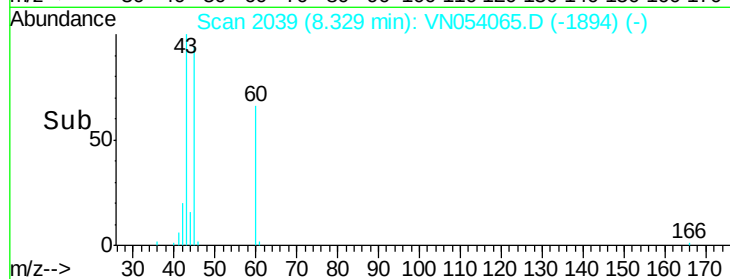
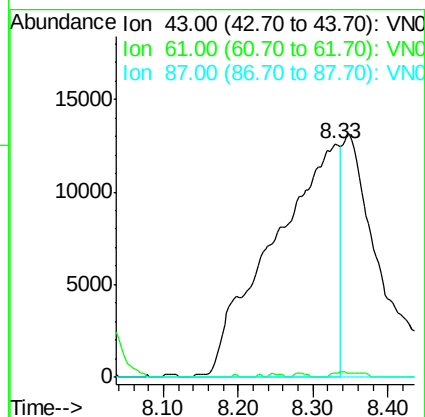
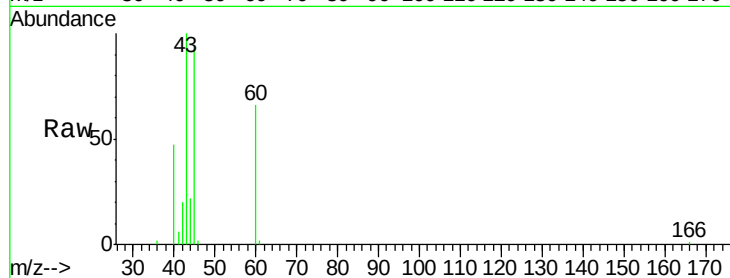
Delta R.T. 0.17 min

Lab File: VN054065.D

Acq: 4 Mar 2019 14:59

Tot Ion: 43 Resp: 77525

Ion	Ratio	Lower	Upper
43	100		
61	0.6	17.4	26.0#
87	0.0	11.5	17.3#



#50

Toluene-d8

Concen: 53.046 ug/l

RT: 10.09 min Scan# 2587

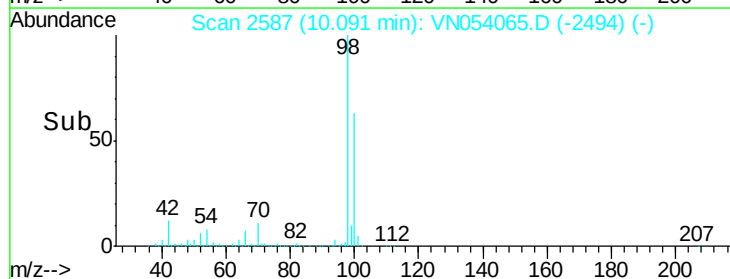
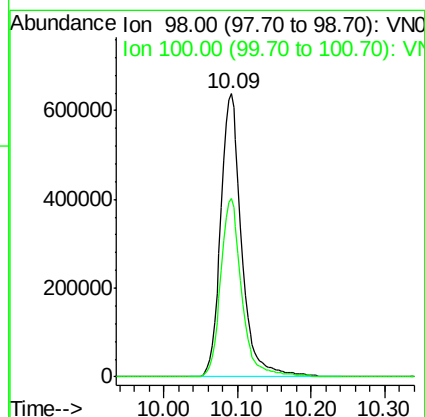
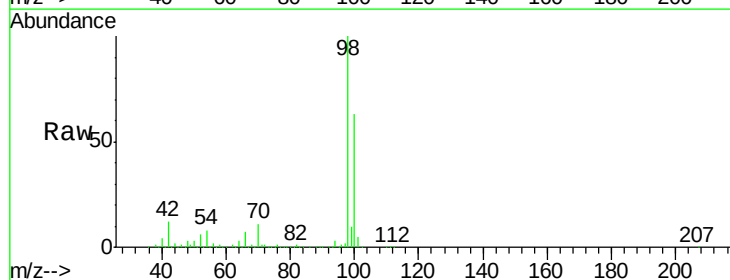
Delta R.T. 0.00 min

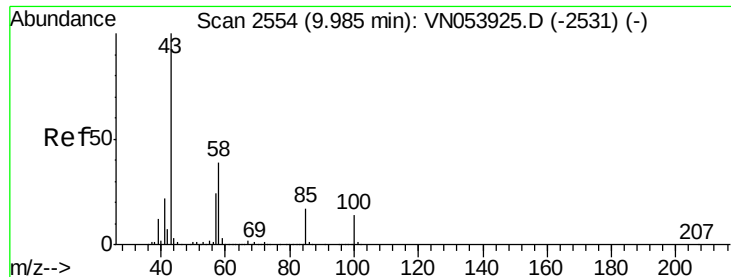
Lab File: VN054065.D

Acq: 4 Mar 2019 14:59

Tgt Ion: 98 Resp: 1262097

Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 0.305 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054065.D

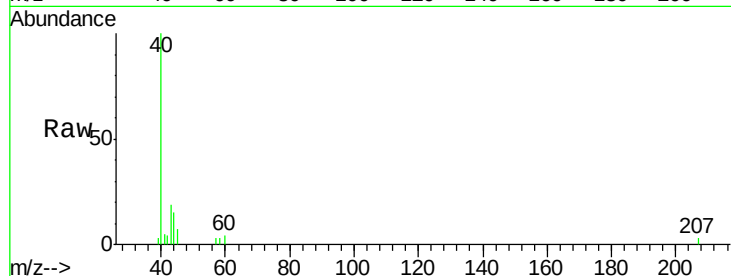
Acq: 4 Mar 2019 14:59

Tot Ion: 43 Resp: 1734

Ion Ratio Lower Upper

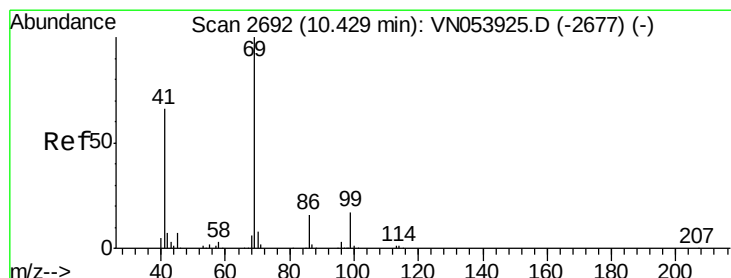
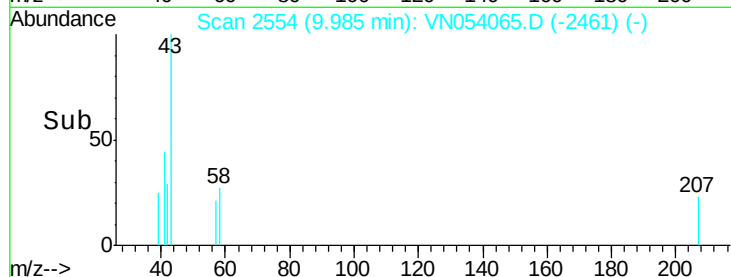
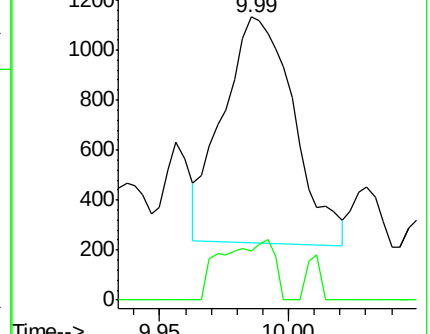
43 100

58 19.8 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 1.973 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054065.D

Acq: 4 Mar 2019 14:59

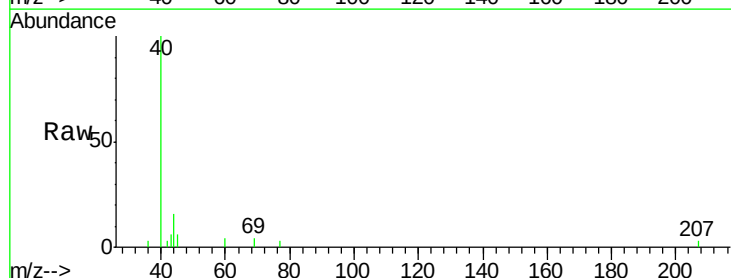
Tgt Ion: 69 Resp: 149

Ion Ratio Lower Upper

69 100

41 22.1 47.5 71.3#

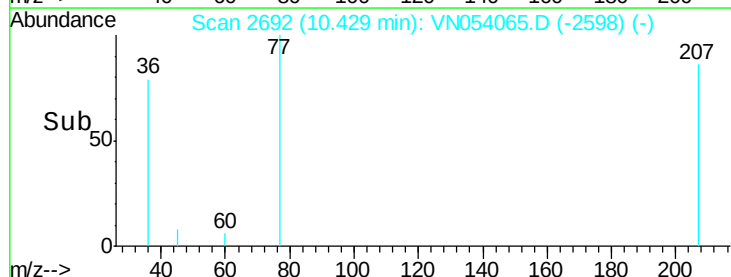
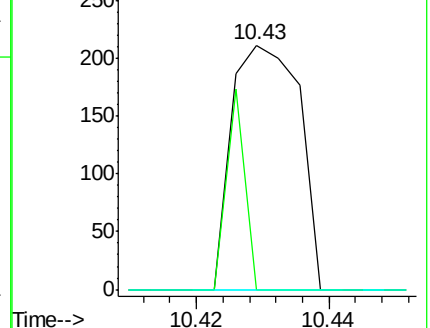
39 0.0 23.4 35.0#

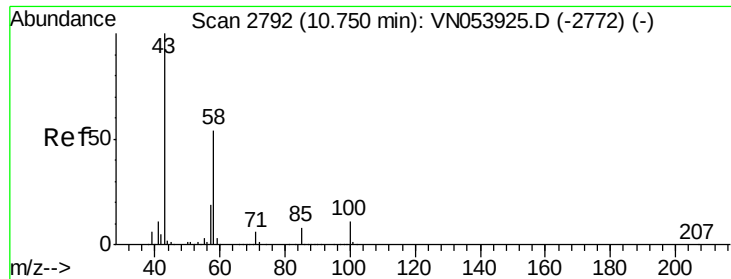


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

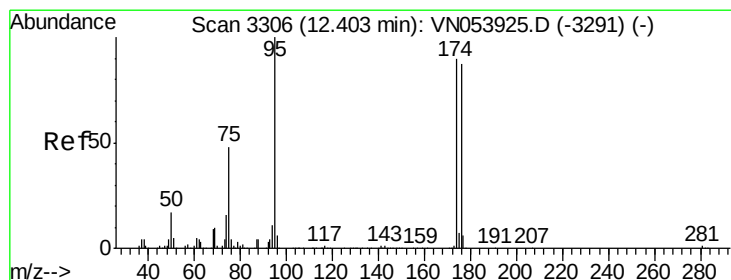
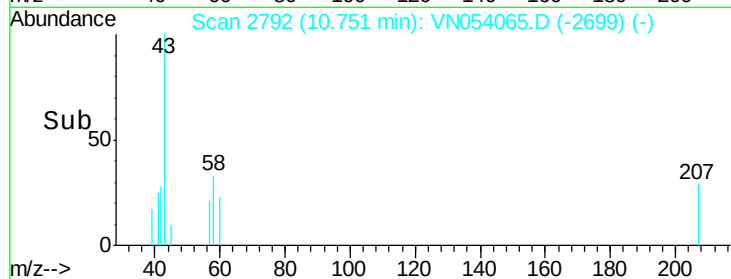
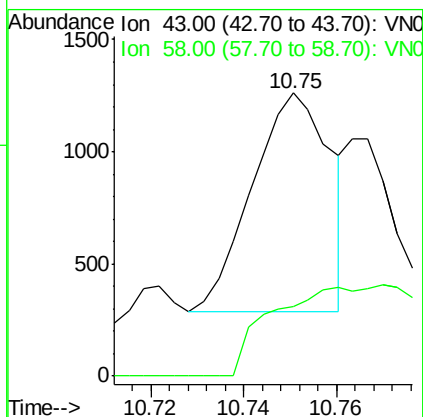
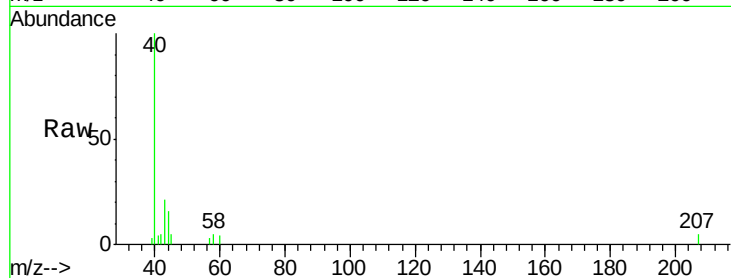
Ion 39.00 (38.70 to 39.70): VN0





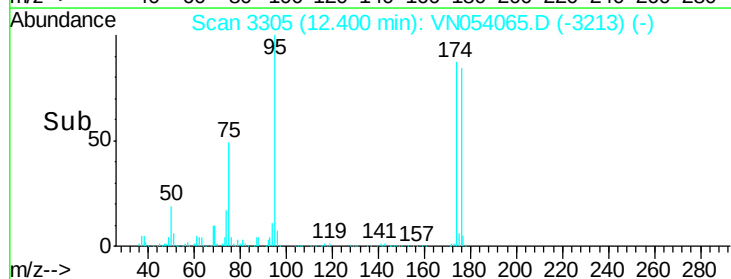
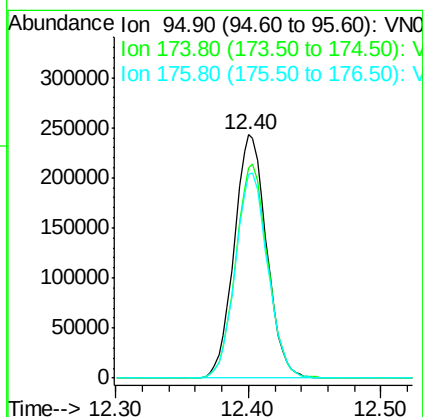
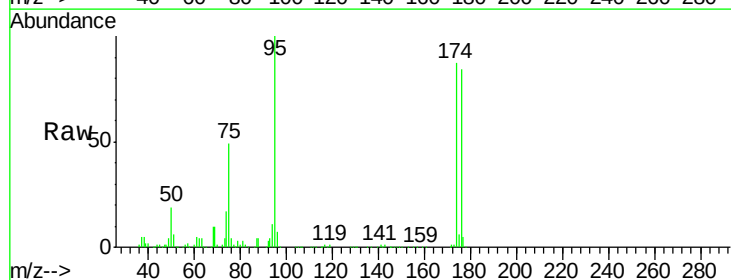
#59
2-Hexanone
Concen: 0.308 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

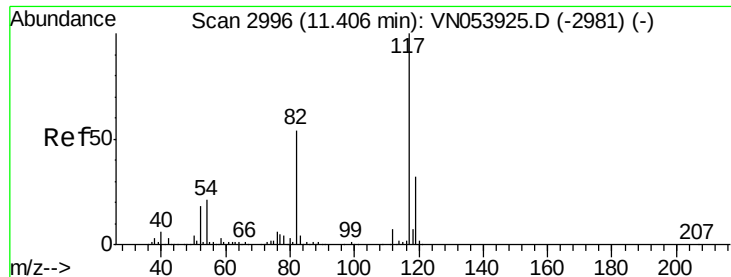
Tot Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
58 44.1 29.1 87.4



#62
4-Bromofluorobenzene
Concen: 51.984 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

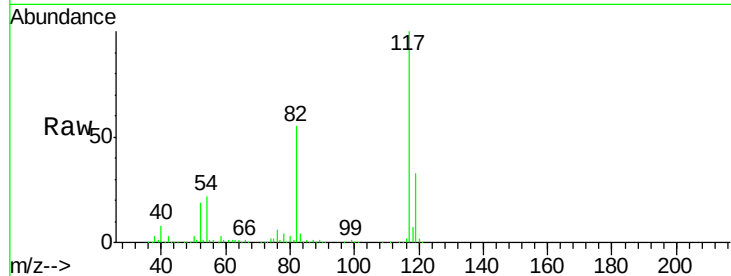
Tgt Ion: 95 Resp: 412075
Ion Ratio Lower Upper
95 100
174 87.4 0.0 188.8
176 84.5 0.0 182.6



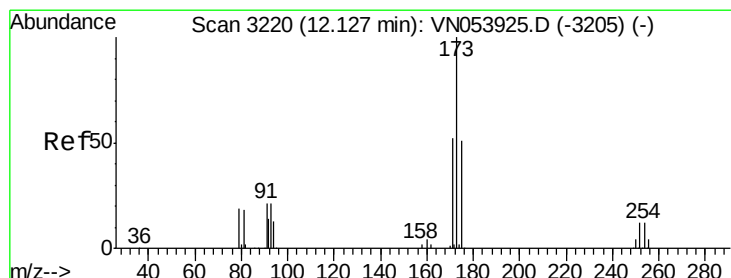
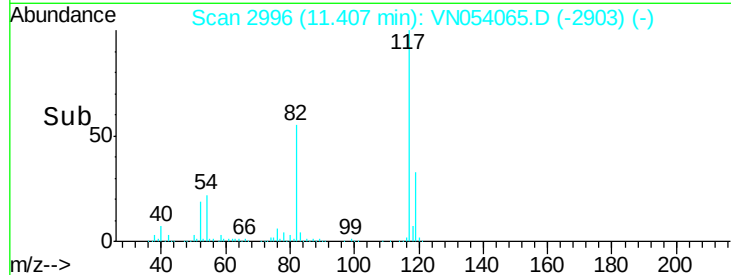
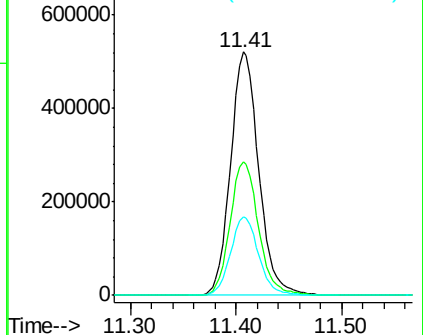


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	41.4	62.2
119	32.5	25.3	37.9

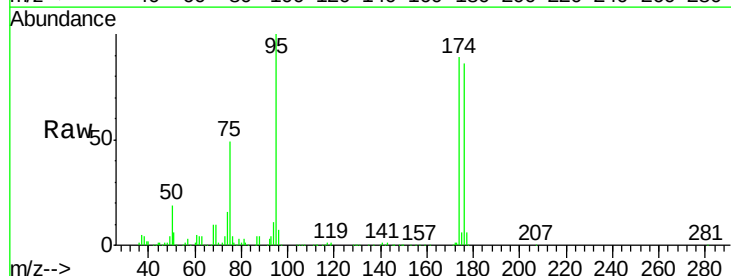


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

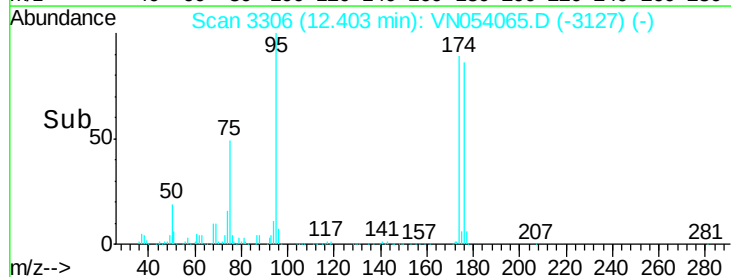
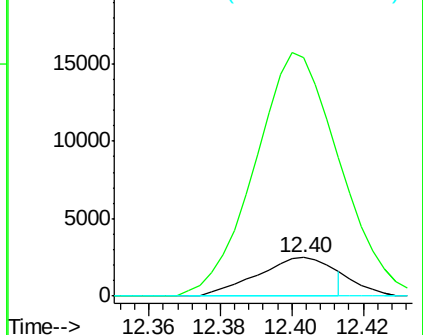


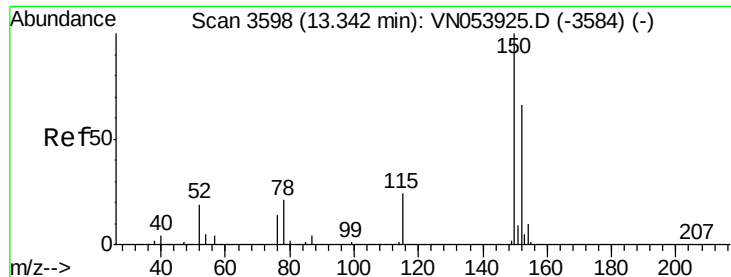
#71
Bromoform
Concen: 0.705 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	626.9	24.3	72.8#
254	0.0	0.2	0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

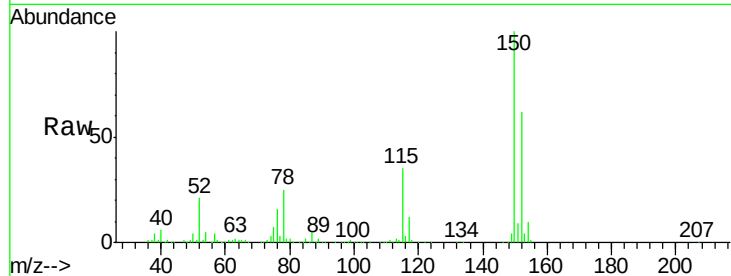




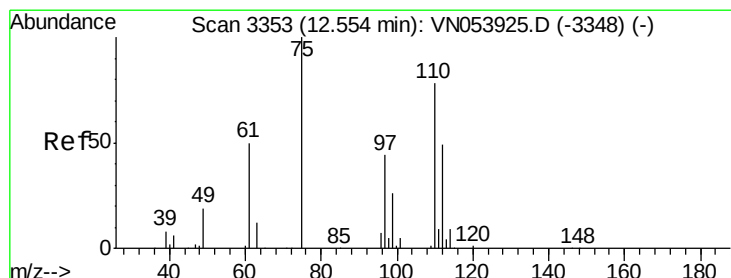
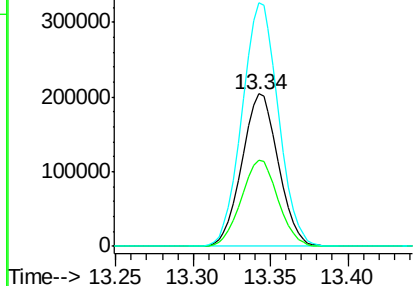
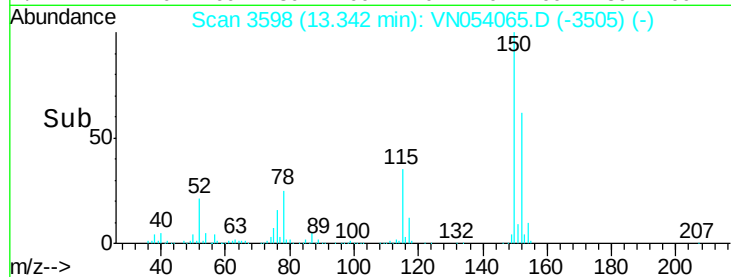
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.2	81.6
150	159.7	0.0	348.2



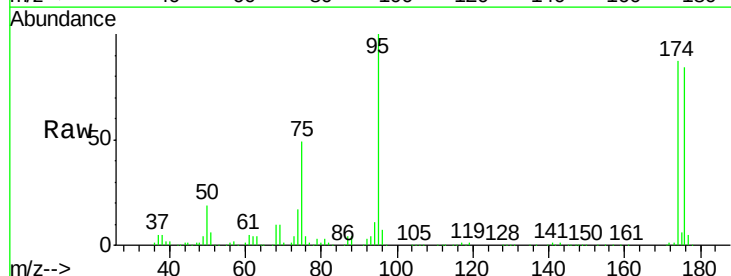
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



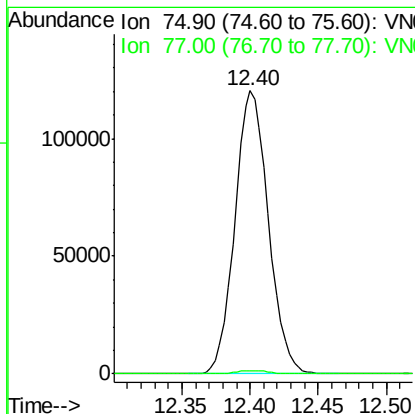
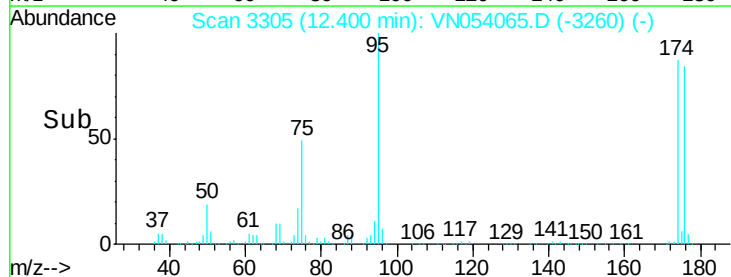
#76

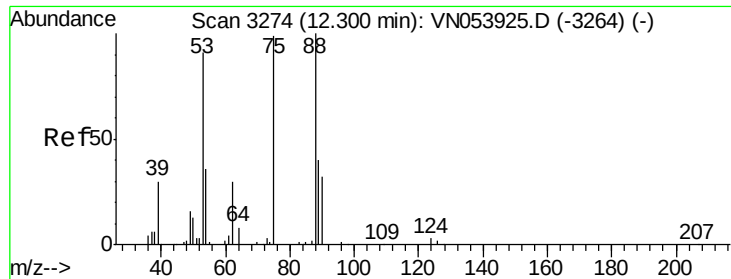
1,2,3-Trichloropropane
Concen: 38.109 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 120.449 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054065.D

Acq: 4 Mar 2019 14:59

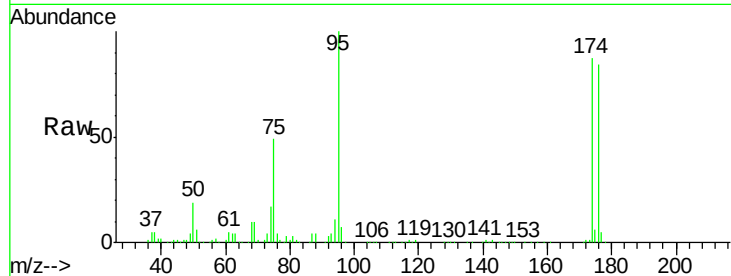
Tot Ion: 75 Resp: 204568

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

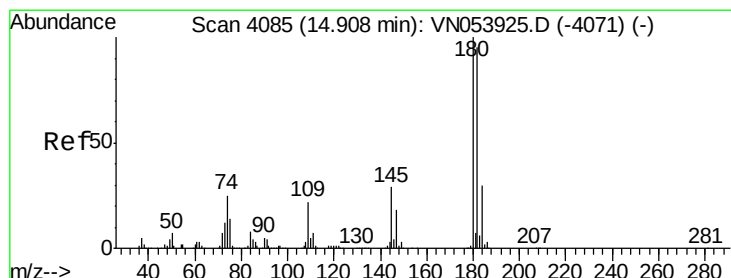
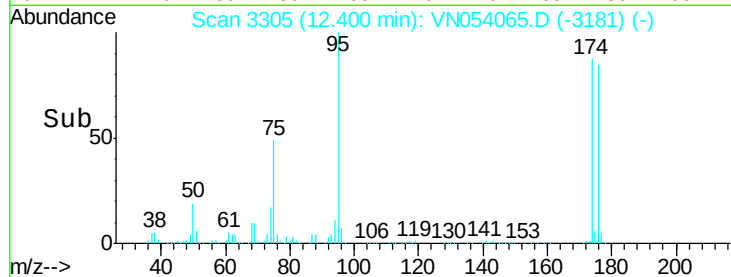
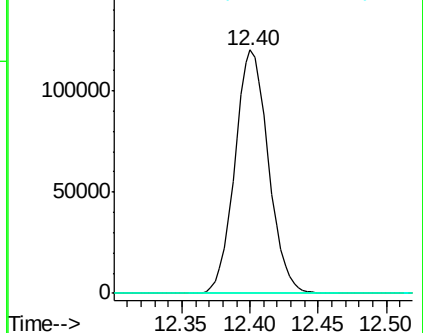
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053925.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053925.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.567 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054065.D

Acq: 4 Mar 2019 14:59

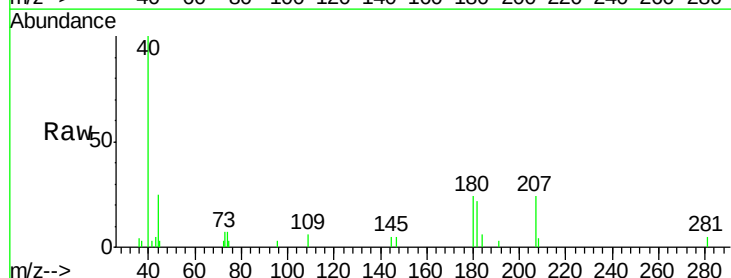
Tgt Ion: 180 Resp: 2214

Ion Ratio Lower Upper

180 100

182 94.8 48.6 145.9

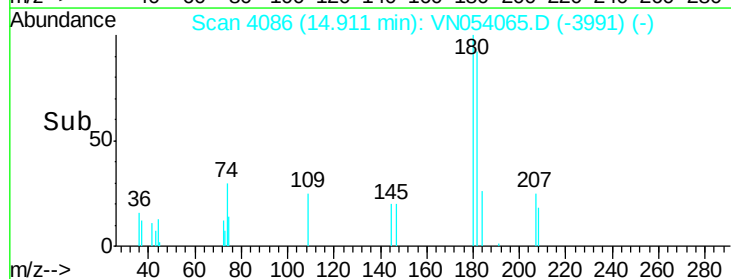
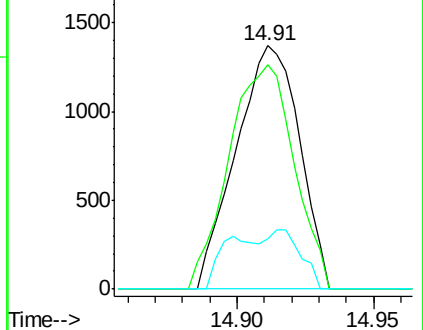
145 13.1 13.8 41.3#

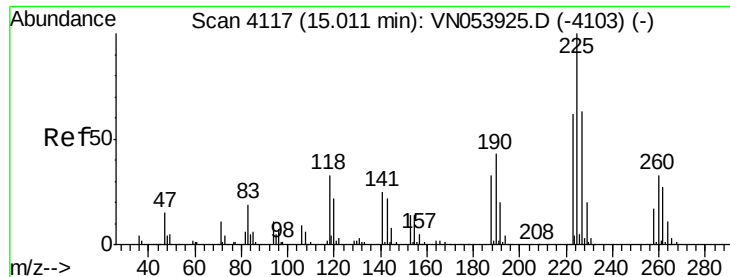


Abundance Ion 179.80 (179.50 to 180.50): VN053925.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053925.D (-4071) (-)

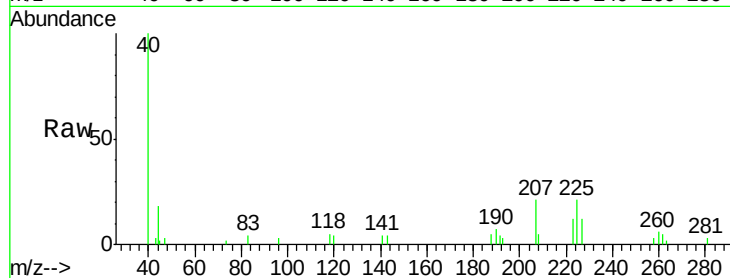
Ion 144.80 (144.50 to 145.50): VN053925.D (-4071) (-)



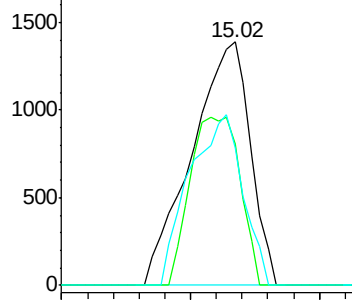


#94
Hexachlorobutadiene
Concen: 0.548 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. 0.01 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

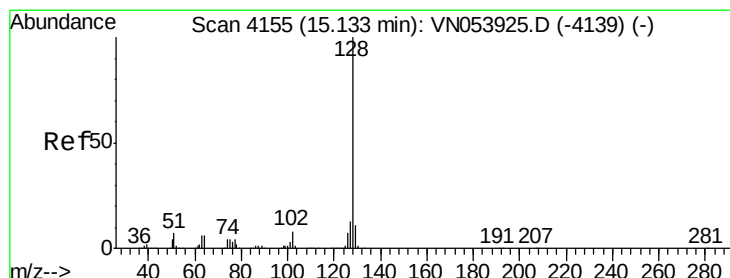
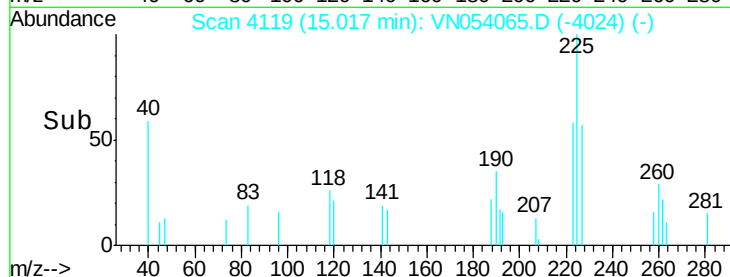
Tot Ion	Ratio	Lower	Upper
225	100		
223	59.5	30.9	92.5
227	63.9	32.5	97.4



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

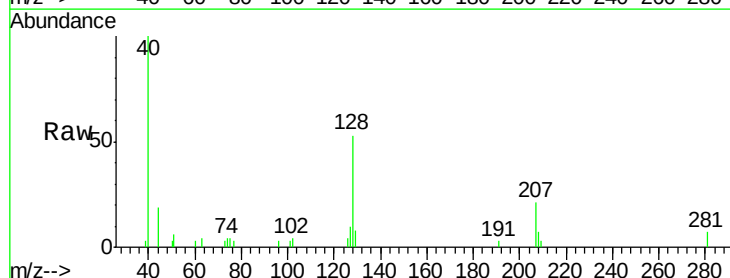


Time--> 14.95 15.00 15.05

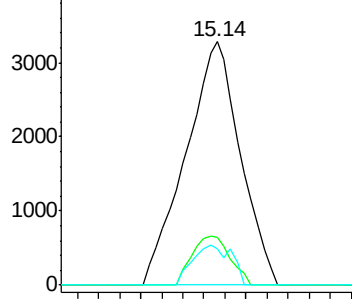


#95
Naphthalene
Concen: 3.628 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN054065.D
Acq: 4 Mar 2019 14:59

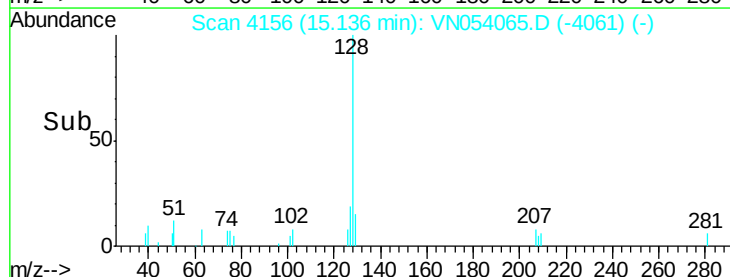
Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.7	8.6	12.8

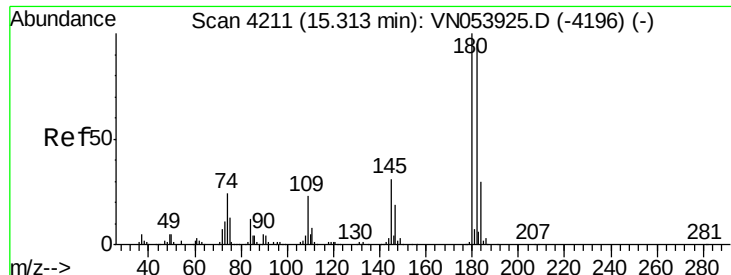


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



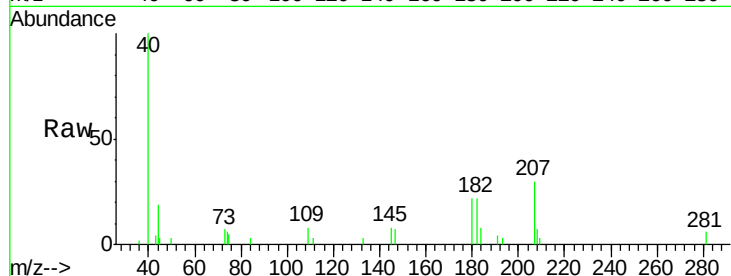
Time--> 15.10 15.15



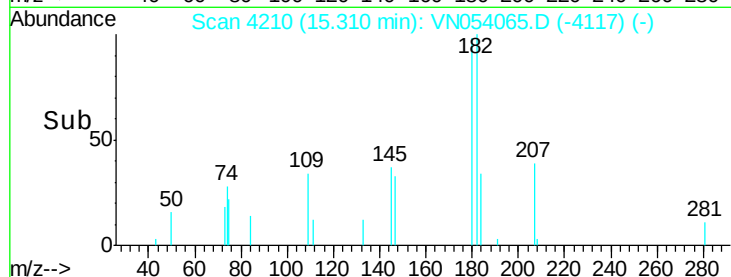
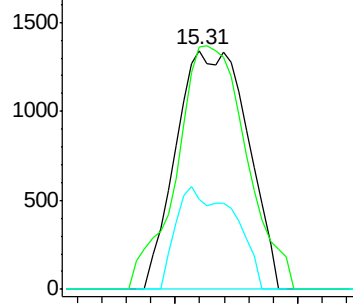


#96
 1,2,3-Trichlorobenzene
 Concen: 2.006 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN054065.D
 Acq: 4 Mar 2019 14:59

Tot Ion:	180	Resp:	2728
Ion	Ratio	Lower	Upper
180	100		
182	99.8	47.3	141.8
145	35.0	14.4	43.0



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



Time-->