

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056798.D
 Acq On : 17 Jul 2019 15:44
 Operator : JC/SP
 Sample : K3841-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 18 01:06:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	261163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	458798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170926	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	150299	52.03	ug/l	0.00
Spiked Amount						
			Recovery	=	104.06%	
35) Dibromofluoromethane	7.59	113	137077	48.01	ug/l	0.00
Spiked Amount						
			Recovery	=	96.02%	
50) Toluene-d8	10.09	98	581374	52.72	ug/l	0.00
Spiked Amount						
			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.40	95	209156	56.24	ug/l	0.00
Spiked Amount						
			Recovery	=	112.48%	

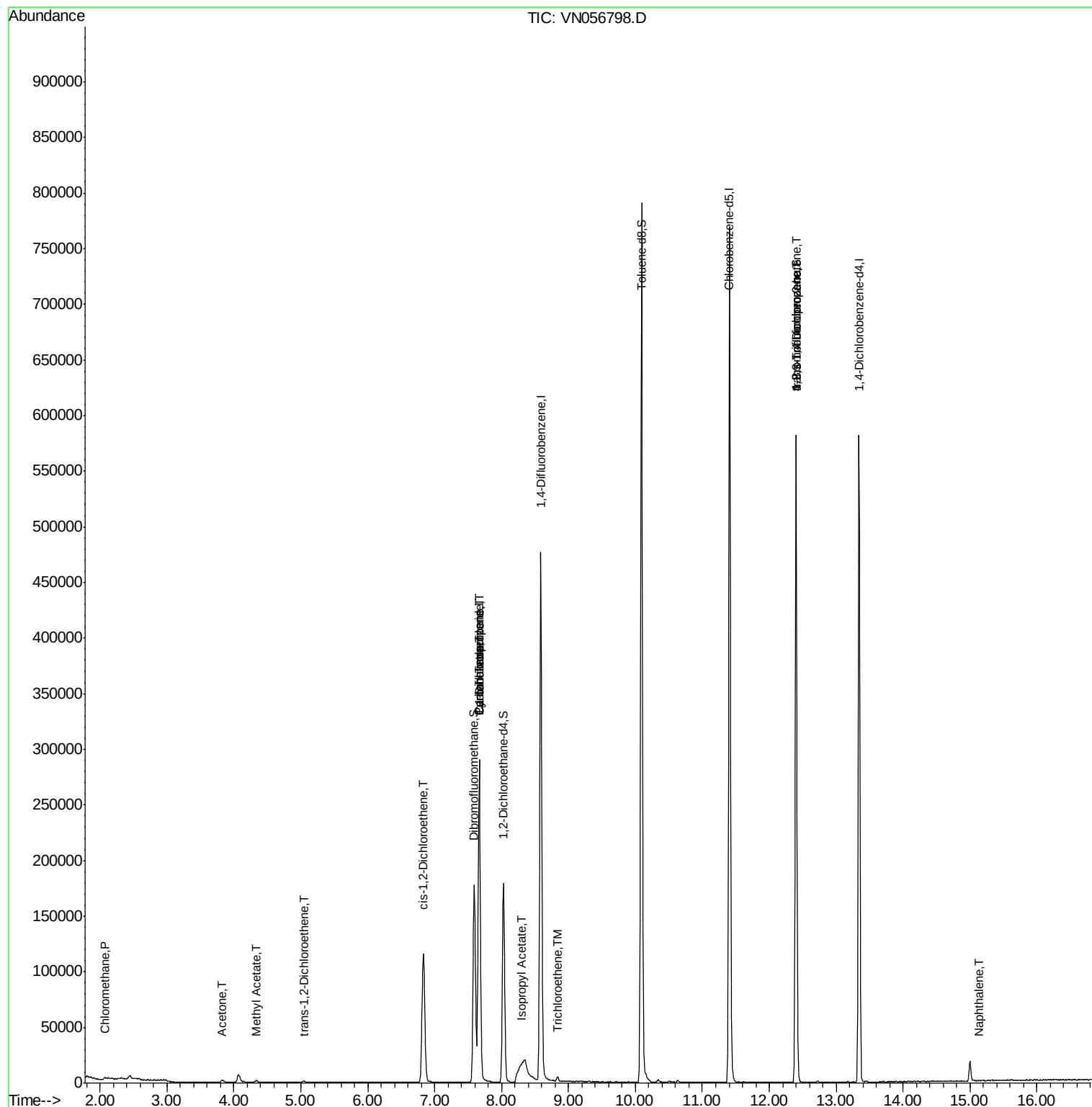
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.07	50	1265	0.384	ug/l	97
16) Acetone	3.83	43	4099	3.079	ug/l	94
18) Methyl Acetate	4.34	43	4181	0.433	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	677	0.261	ug/l	92
27) cis-1,2-Dichloroethene	6.83	96	80814	27.063	ug/l	91
31) Cyclohexane	7.66	56	4314	0.934	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	17068	4.020	ug/l #	46
38) Carbon Tetrachloride	7.66	117	21214	5.328	ug/l #	16
43) Isopropyl Acetate	8.29	43	22079	3.356	ug/l #	54
44) Trichloroethene	8.84	130	1773	0.502	ug/l	82
76) 1,2,3-Trichloropropane	12.40	75	98415	26.325	ug/l #	100
79) 2-Chlorotoluene	12.40	91	471	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	98415	81.301	ug/l #	13
95) Naphthalene	15.14	128	142	4.540	ug/l #	69

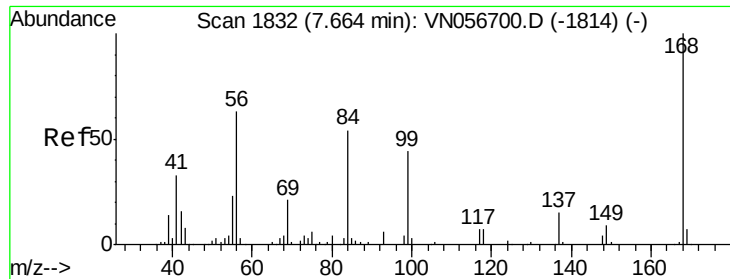
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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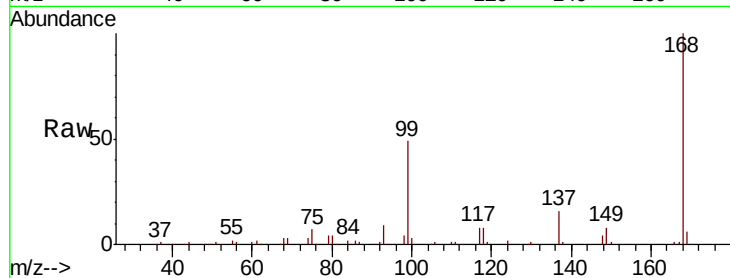




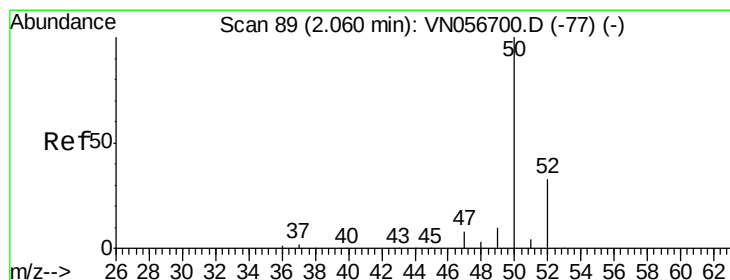
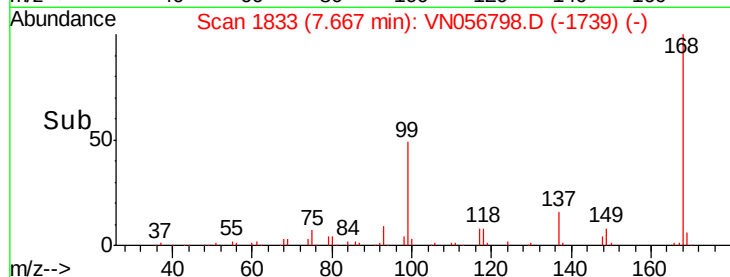
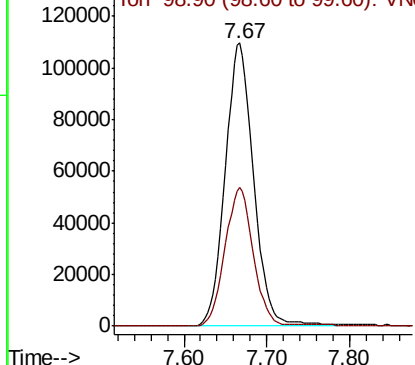
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 261163
Ion Ratio Lower Upper
168 100
99 49.1 39.4 59.2

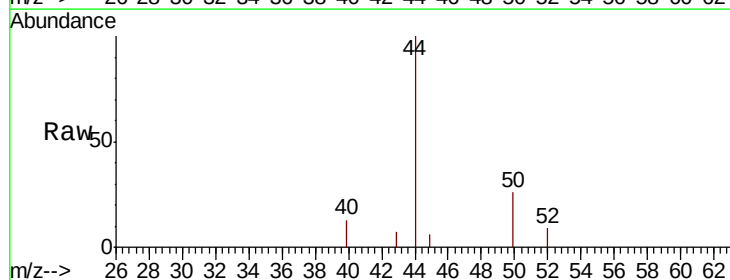


Abundance Ion 167.90 (167.60 to 168.60): VN056700.D (-1814) (-)
Ion 98.90 (98.60 to 99.60): VN056798.D (-1739) (-)

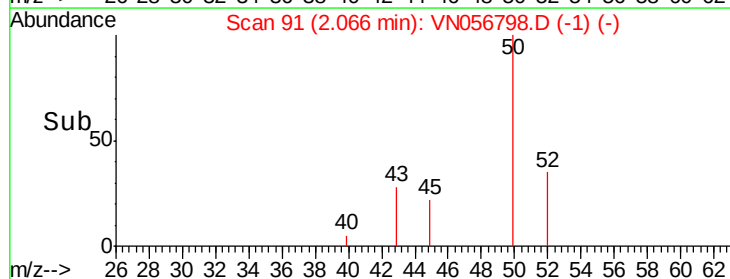
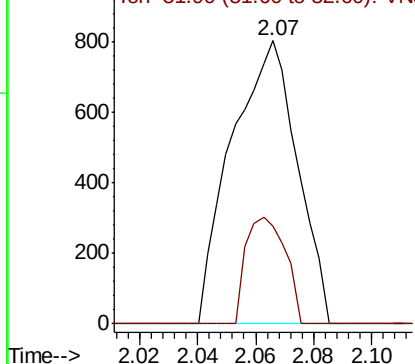


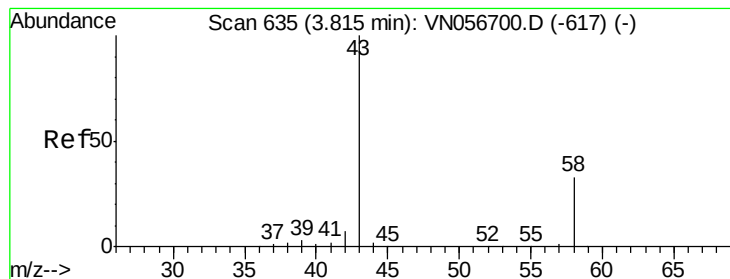
#3
Chloromethane
Concen: 0.384 ug/l
RT: 2.07 min Scan# 91
Delta R.T. 0.01 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

Tgt Ion: 50 Resp: 1265
Ion Ratio Lower Upper
50 100
52 34.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN056700.D (-77) (-)
Ion 51.90 (51.60 to 52.60): VN056798.D (-1) (-)





#16

Acetone

Concen: 3.079 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056798.D

Acq: 17 Jul 2019 15:44

Instrument :

MSVOA_N

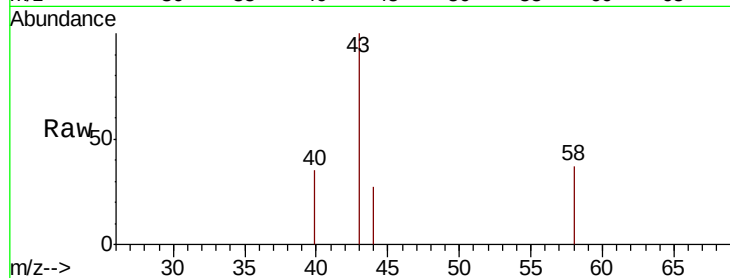
ClientSampled :

Tot Ion: 43 Resp: 4099

Ion Ratio Lower Upper

43 100

58 37.1 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

1500

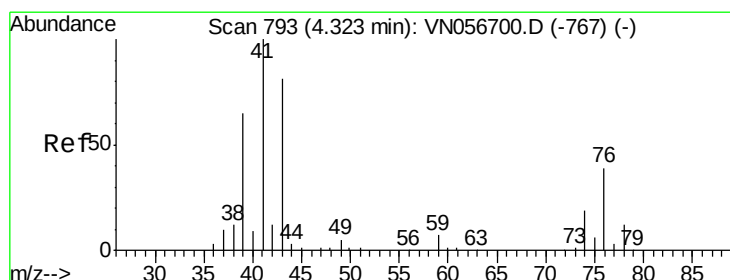
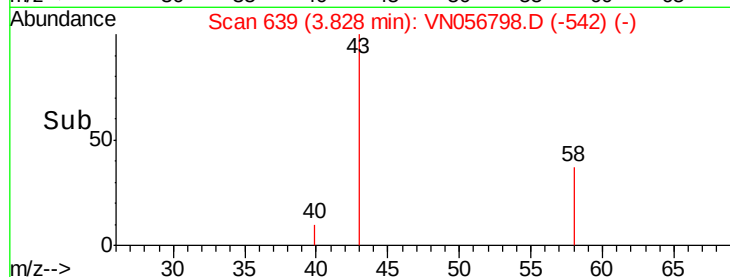
1000

500

0

Time-->

3.75 3.80 3.85 3.90 3.95



#18

Methyl Acetate

Concen: 0.433 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN056798.D

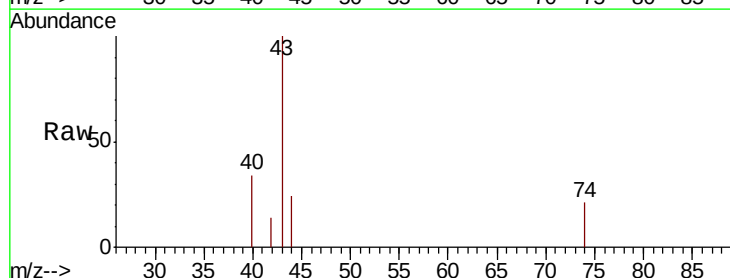
Acq: 17 Jul 2019 15:44

Tgt Ion: 43 Resp: 4181

Ion Ratio Lower Upper

43 100

74 14.8 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

1500

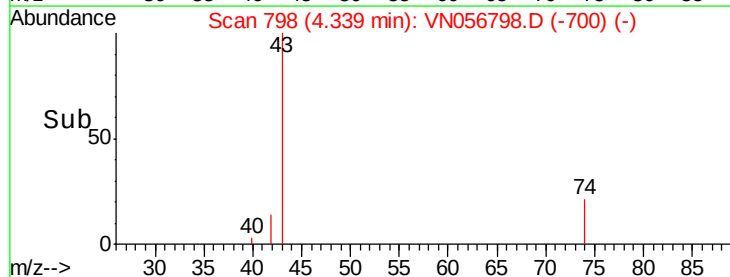
1000

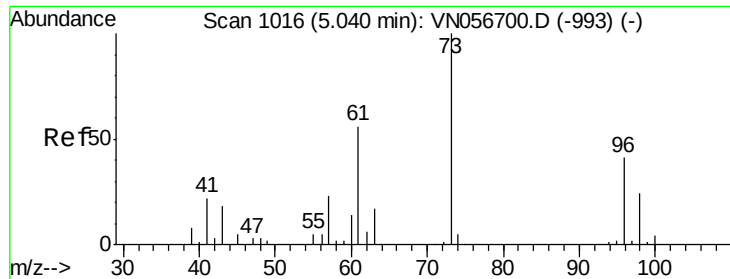
500

0

Time-->

4.25 4.30 4.35 4.40 4.45

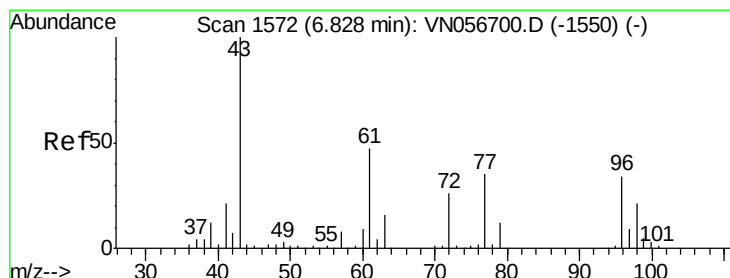
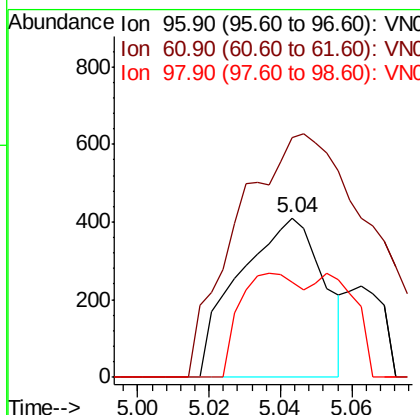
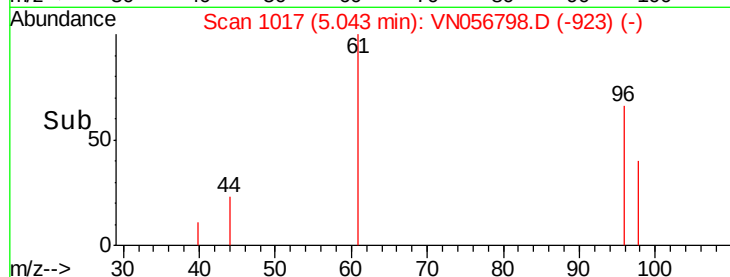
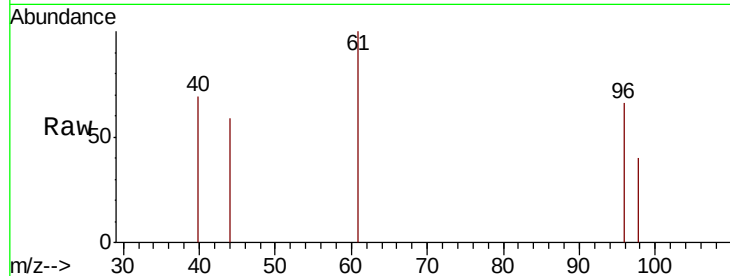




#21
trans-1,2-Dichloroethene
Concen: 0.261 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

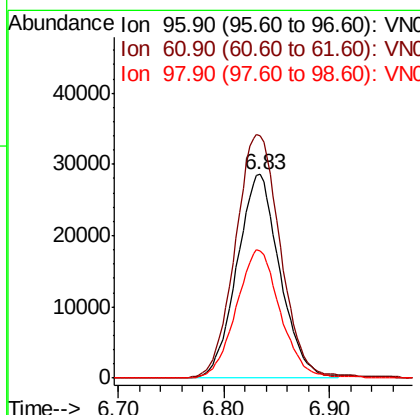
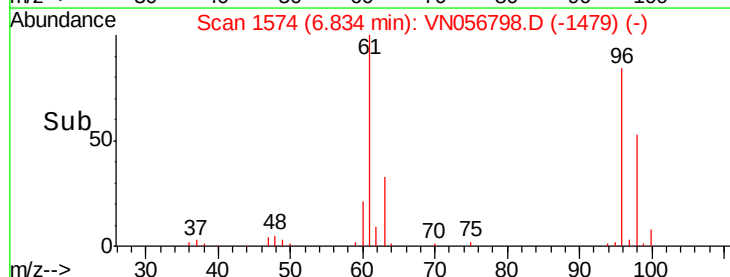
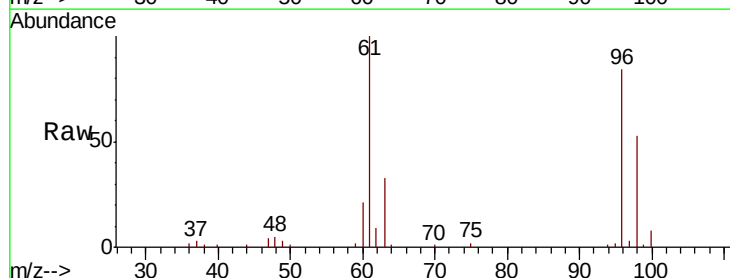
Instrument :
MSVOA_N
ClientSampled :

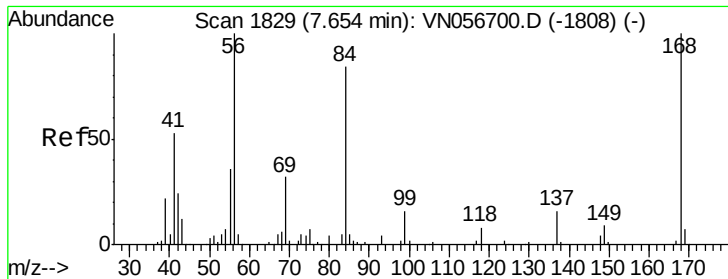
Tot Ion: 96 Resp: 677
Ion Ratio Lower Upper
96 100
61 151.0 109.4 164.2
98 60.0 48.0 72.0



#27
cis-1,2-Dichloroethene
Concen: 27.063 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

Tgt Ion: 96 Resp: 80814
Ion Ratio Lower Upper
96 100
61 125.7 0.0 281.4
98 64.4 0.0 127.8

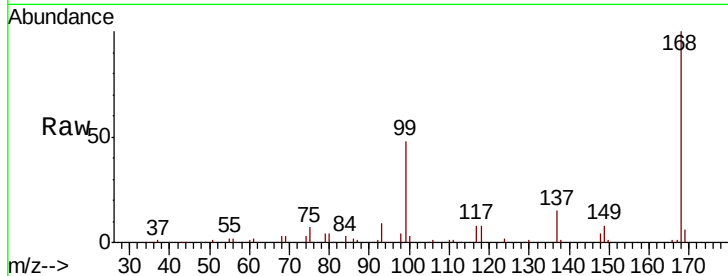




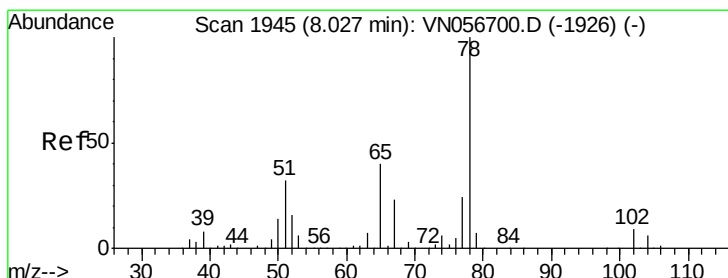
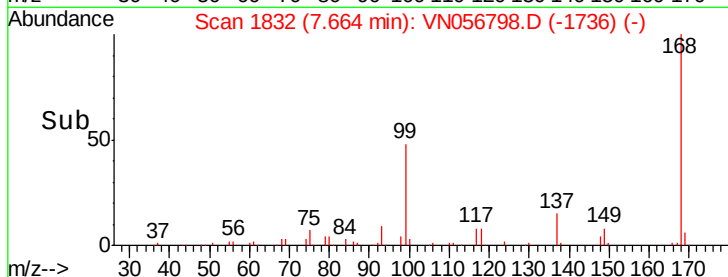
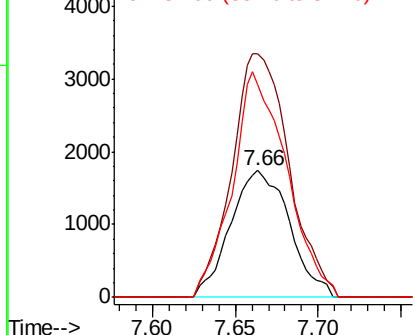
#31
Cyclohexane
Concen: 0.934 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4314
Ion Ratio Lower Upper
56 100
69 191.5 25.8 38.8#
84 168.2 67.4 101.0#

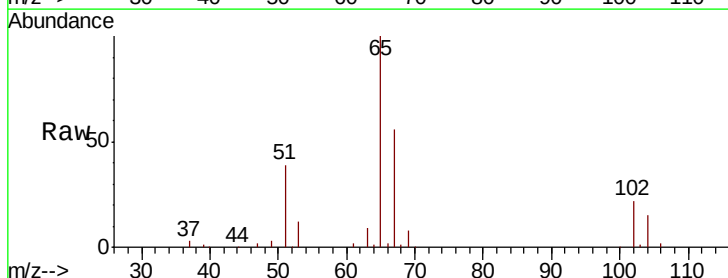


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

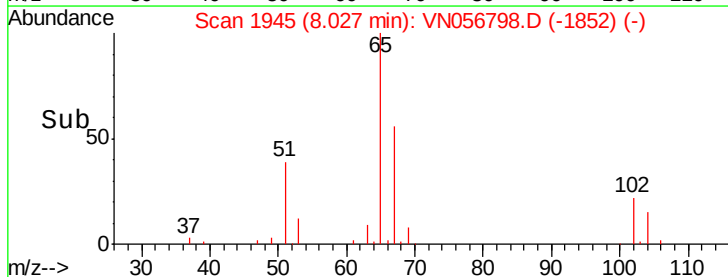
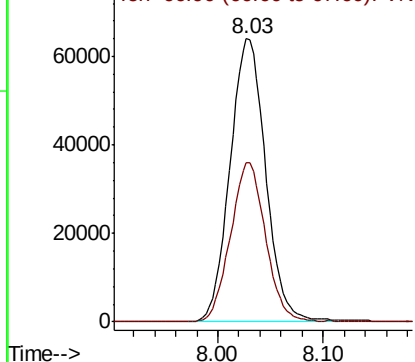


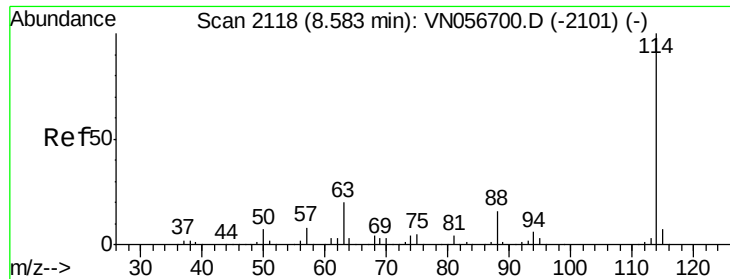
#33
1,2-Dichloroethane-d4
Concen: 52.028 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

Tgt Ion: 65 Resp: 150299
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.0



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

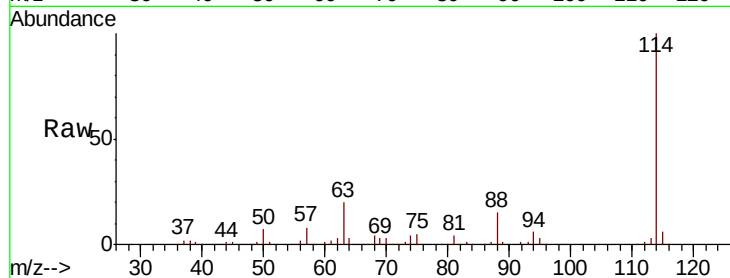




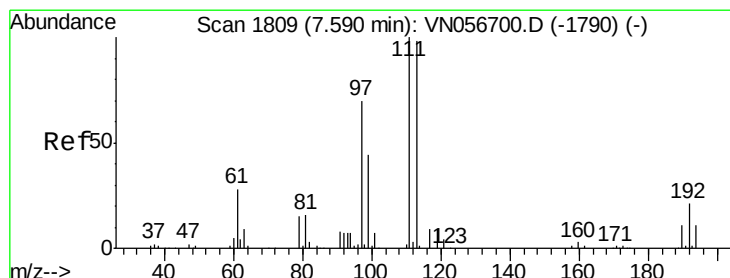
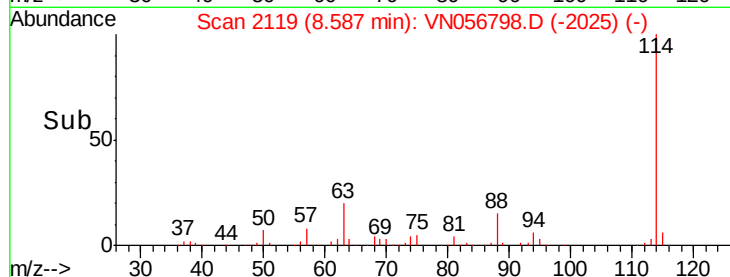
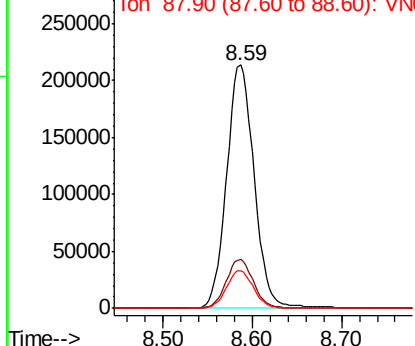
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 458798
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.4
88 15.4 0.0 31.2

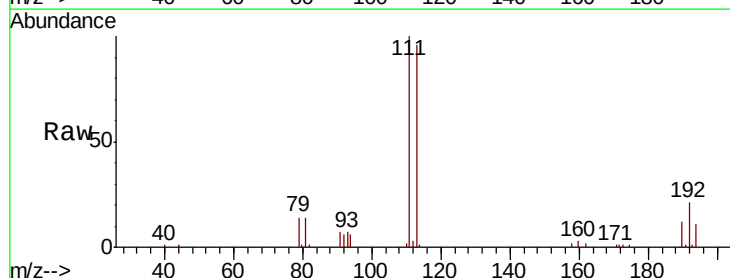


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

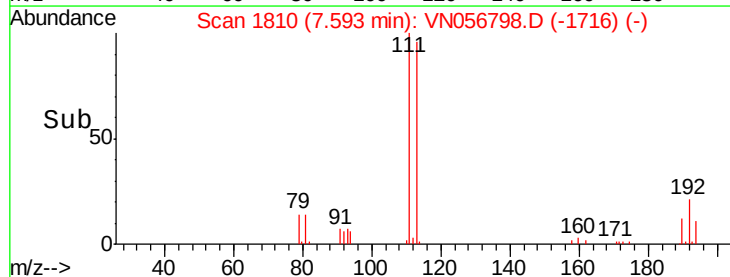
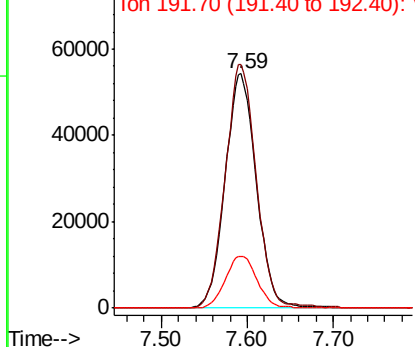


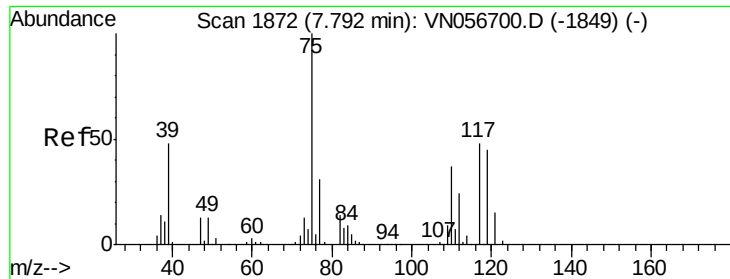
#35
Dibromofluoromethane
Concen: 48.010 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

Tgt Ion:113 Resp: 137077
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.6
192 22.4 17.5 26.3



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

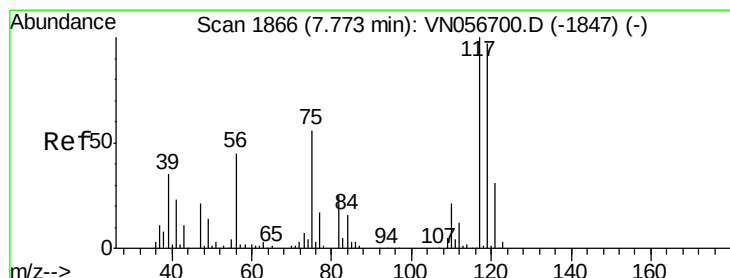
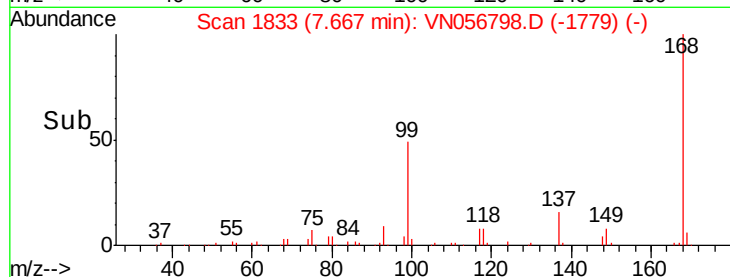
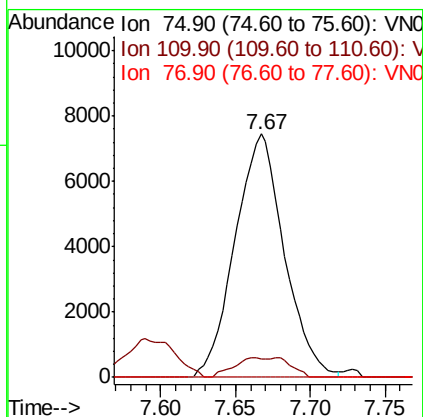
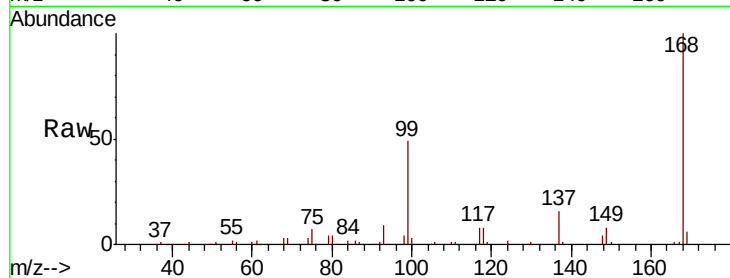




#36
 1,1-Dichloropropene
 Concen: 4.020 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN056798.D
 Acq: 17 Jul 2019 15:44

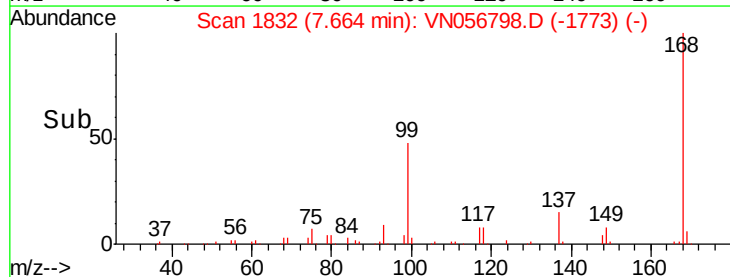
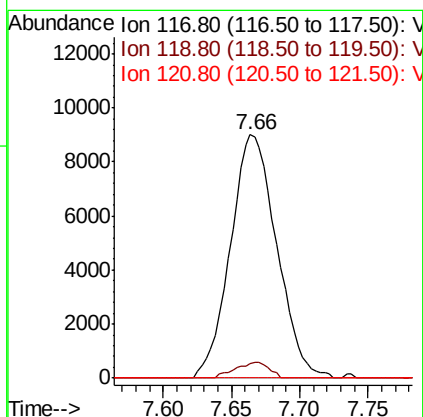
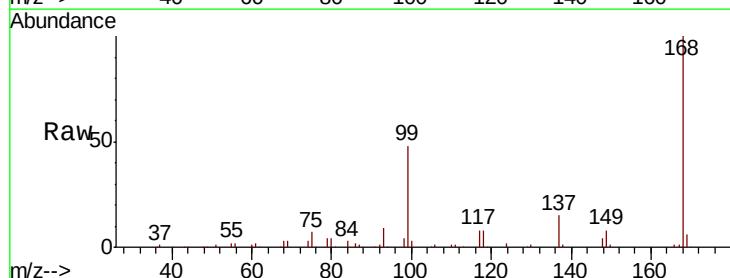
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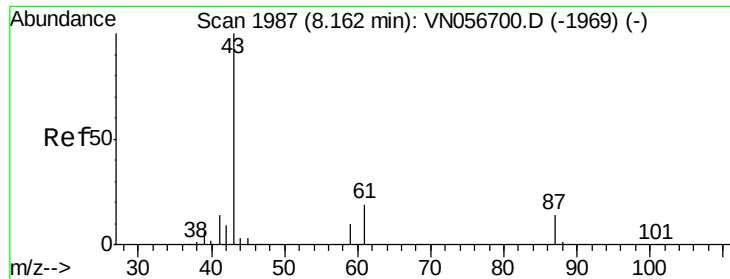
Tot Ion: 75 Resp: 17068
 Ion Ratio Lower Upper
 75 100
 110 5.3 18.4 55.4#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.328 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056798.D
 Acq: 17 Jul 2019 15:44

Tgt Ion: 117 Resp: 21214
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.5 116.3#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 3.356 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.13 min

Lab File: VN056798.D

Acq: 17 Jul 2019 15:44

Instrument :

MSVOA_N

ClientSampled :

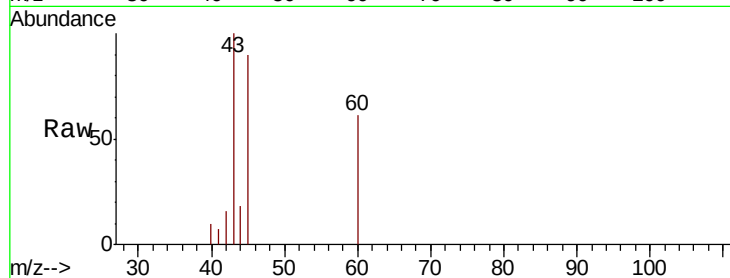
Tot Ion: 43 Resp: 22079

Ion Ratio Lower Upper

43 100

61 0.5 22.3 33.5#

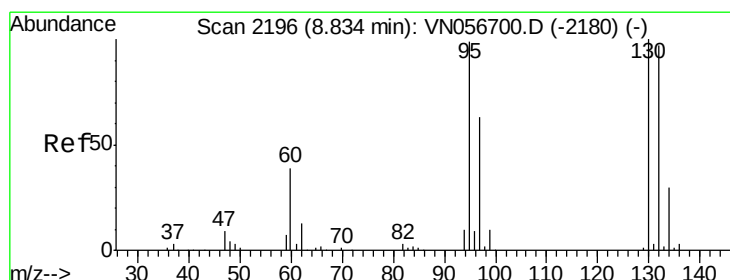
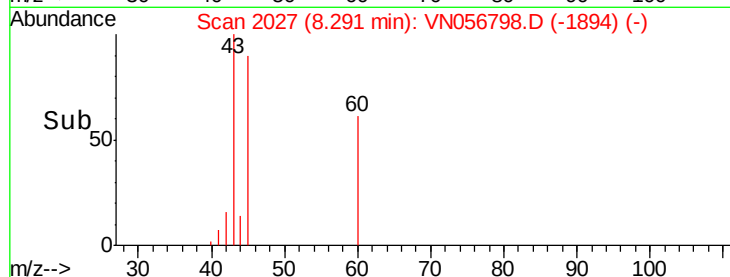
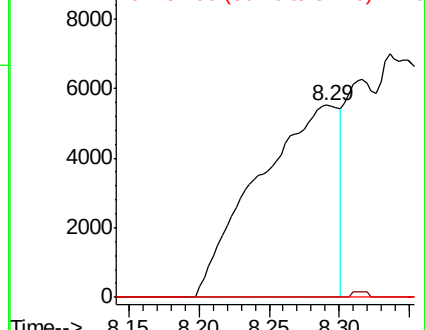
87 0.0 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VN056798.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN056798.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN056798.D (-2027) (-)



#44

Trichloroethene

Concen: 0.502 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN056798.D

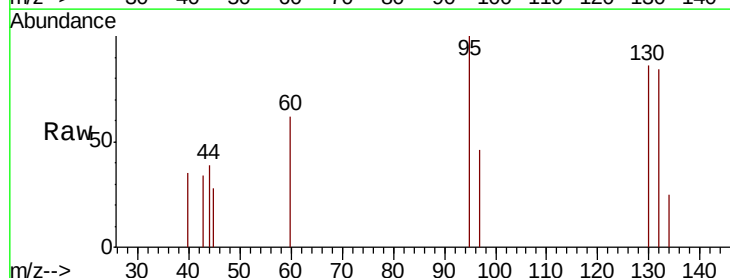
Acq: 17 Jul 2019 15:44

Tgt Ion: 130 Resp: 1773

Ion Ratio Lower Upper

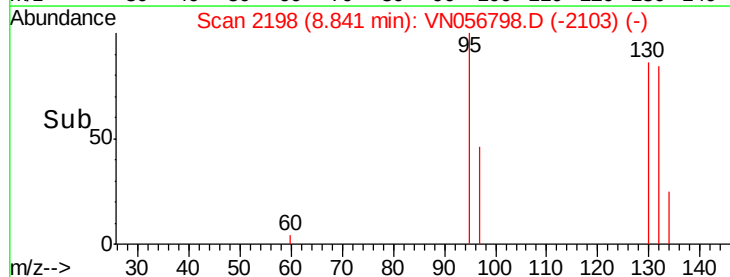
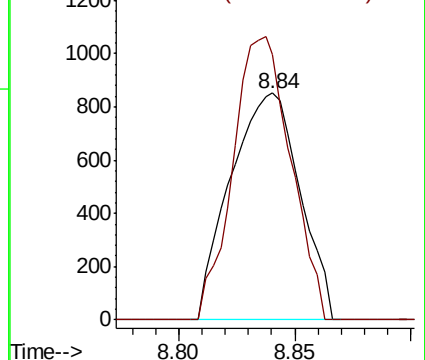
130 100

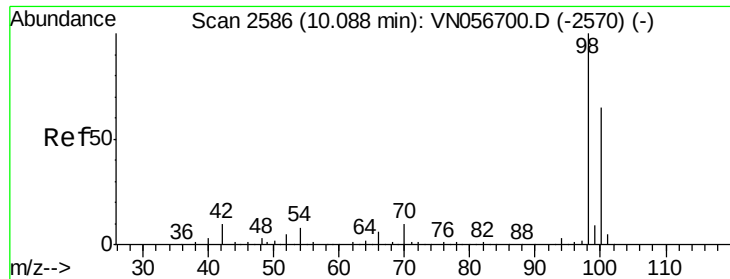
95 116.8 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056798.D (-2198) (-)

Ion 94.90 (94.60 to 95.60): VN056798.D (-2198) (-)





#50

Toluene-d8

Concen: 52.721 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056798.D

Acq: 17 Jul 2019 15:44

Instrument :

MSVOA_N

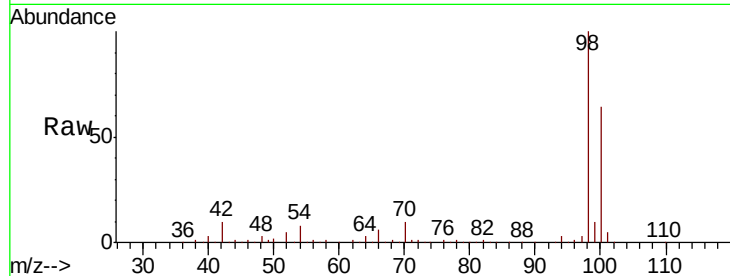
ClientSampleId :

Tot Ion: 98 Resp: 581374

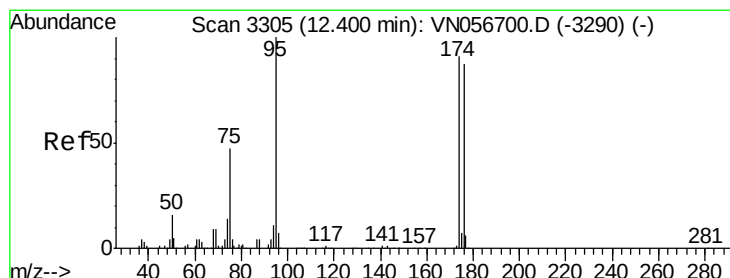
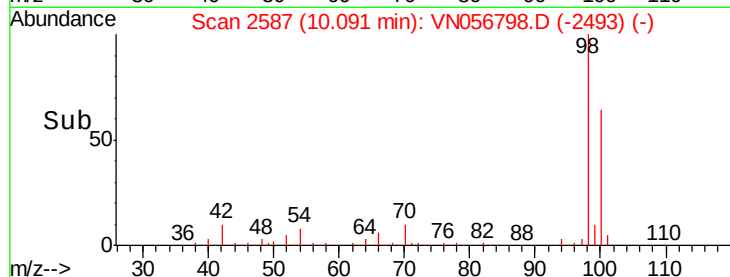
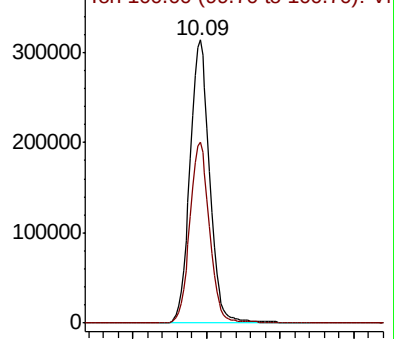
Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 56.243 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056798.D

Acq: 17 Jul 2019 15:44

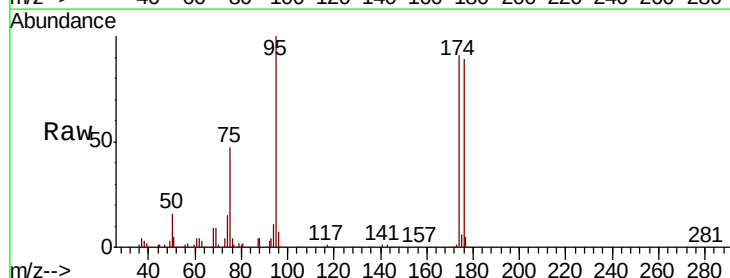
Tgt Ion: 95 Resp: 209156

Ion Ratio Lower Upper

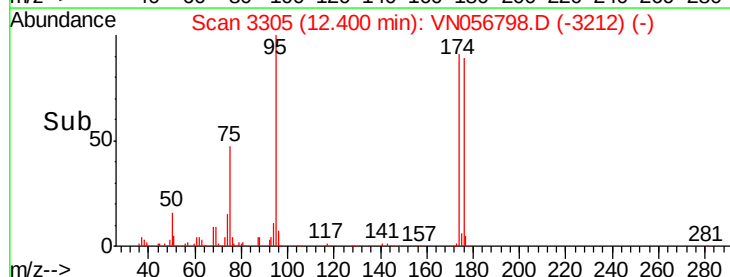
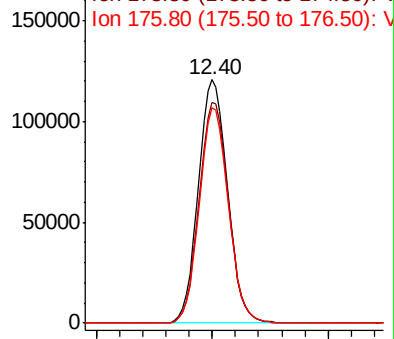
95 100

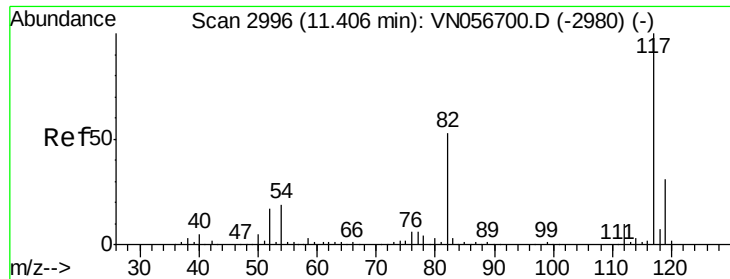
174 91.0 0.0 180.0

176 87.9 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056700.D (-3290) (-)

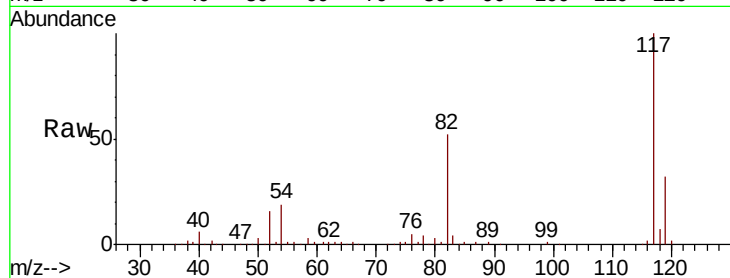




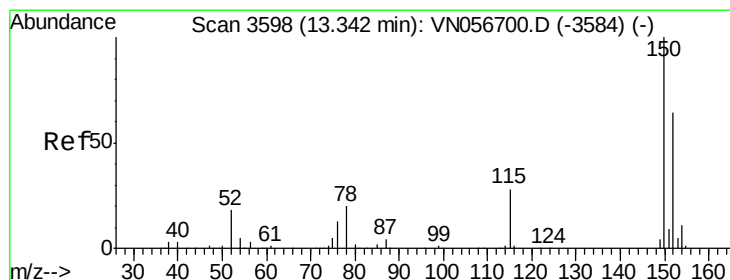
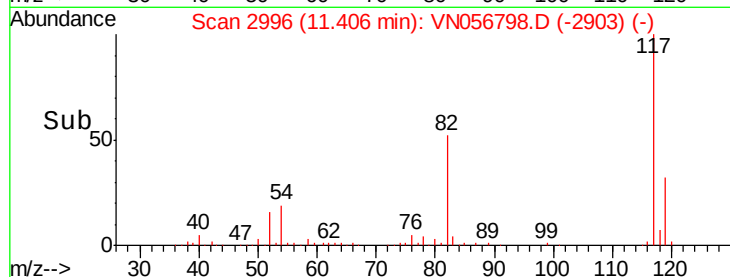
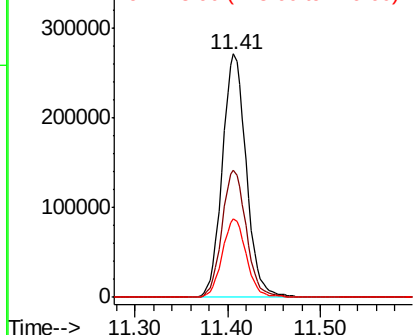
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 486746
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.2
119 32.3 25.2 37.8

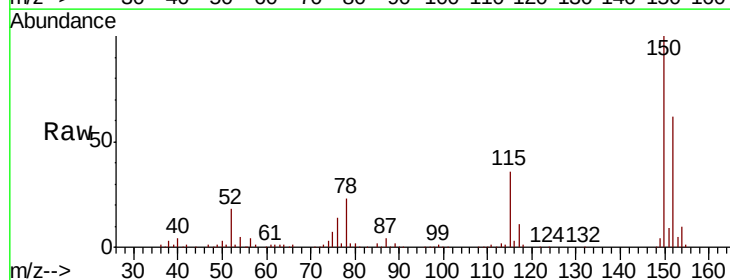


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

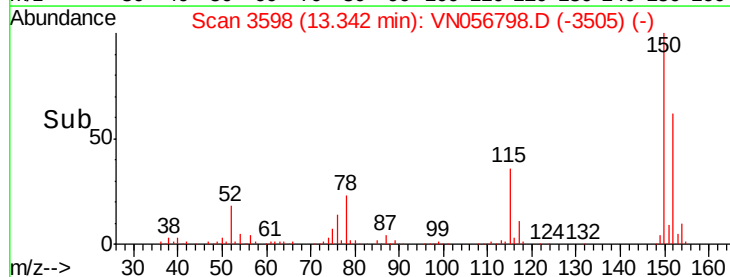
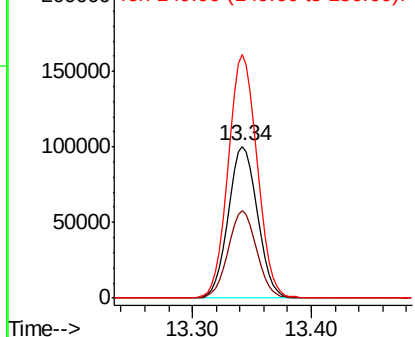


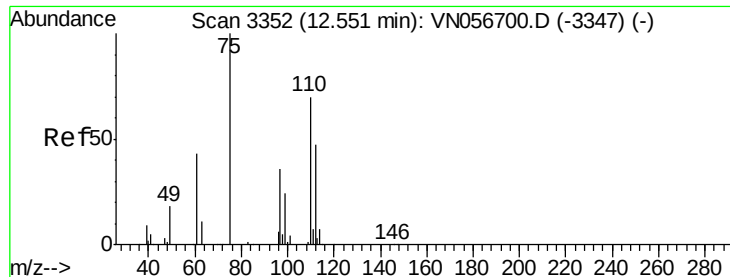
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056798.D
Acq: 17 Jul 2019 15:44

Tgt Ion:152 Resp: 170926
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.7
150 158.5 0.0 345.8



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: 26.325 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056798.D

Acq: 17 Jul 2019 15:44

Instrument :

MSVOA_N

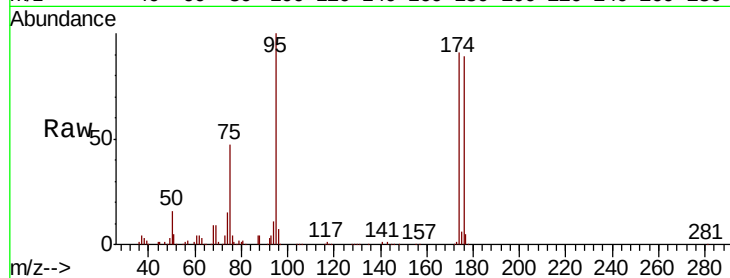
ClientSampleId :

Tot Ion: 75 Resp: 98415

Ion Ratio Lower Upper

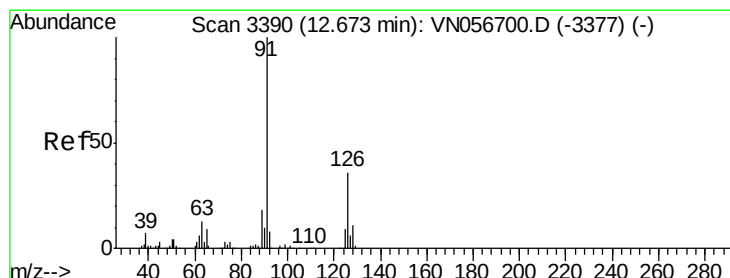
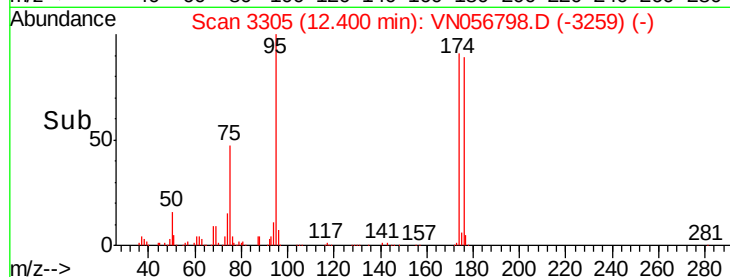
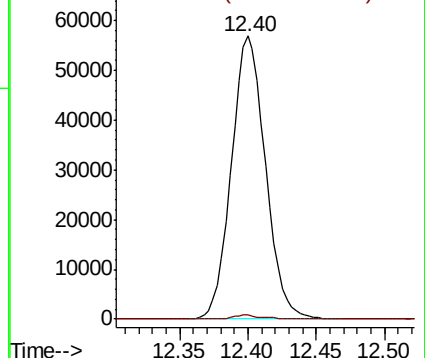
75 100

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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.27 min

Lab File: VN056798.D

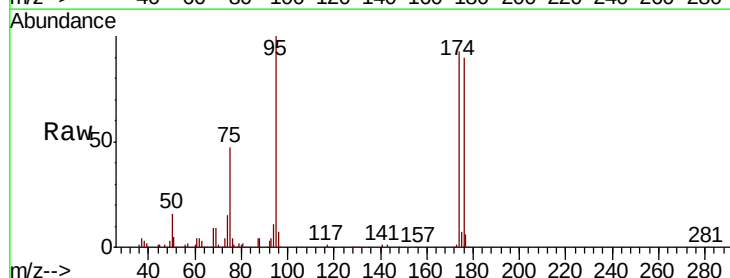
Acq: 17 Jul 2019 15:44

Tgt Ion: 91 Resp: 471

Ion Ratio Lower Upper

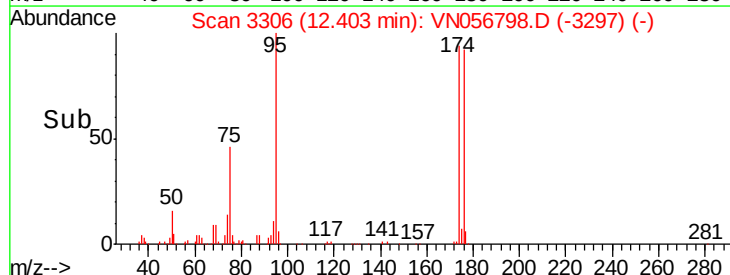
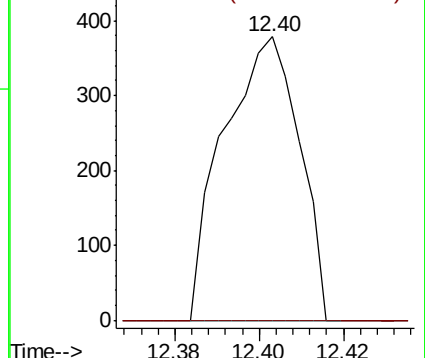
91 100

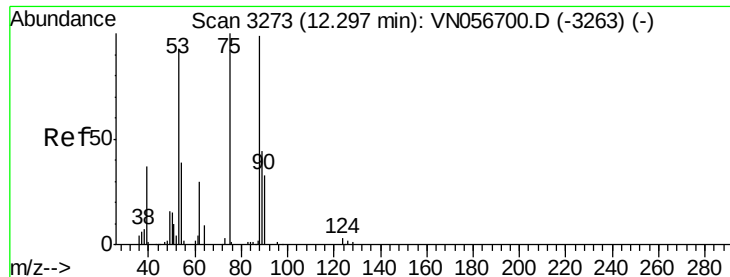
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 81.301 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056798.D

Acq: 17 Jul 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

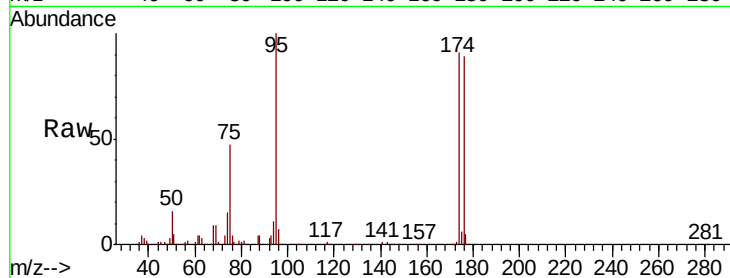
Tot Ion: 75 Resp: 98415

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

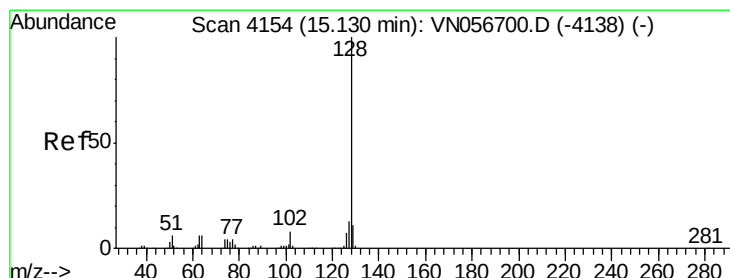
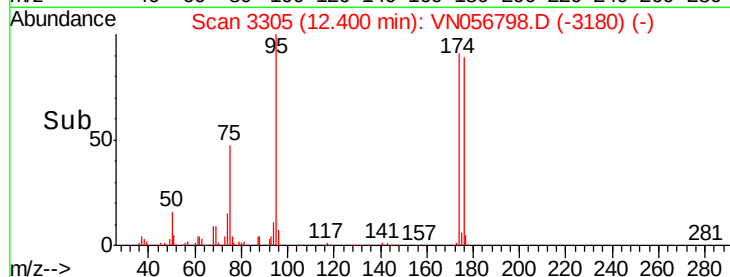
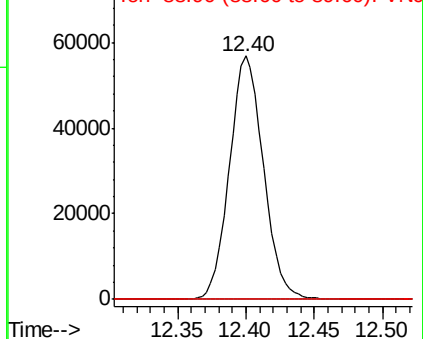
89 0.0 36.2 54.2#



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: 4.540 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056798.D

Acq: 17 Jul 2019 15:44

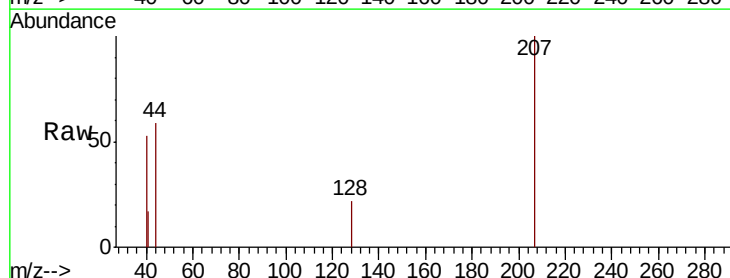
Tgt Ion: 128 Resp: 142

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



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

