

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056407.D
 Acq On : 20 Jun 2019 17:00
 Operator : JC/SP
 Sample : K3465-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 04:28:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	376333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	630373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	618630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181339	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	209462	50.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.44%	
35) Dibromofluoromethane	7.59	113	180426	45.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.76%	
50) Toluene-d8	10.09	98	776775	50.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	251020	49.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.42%	

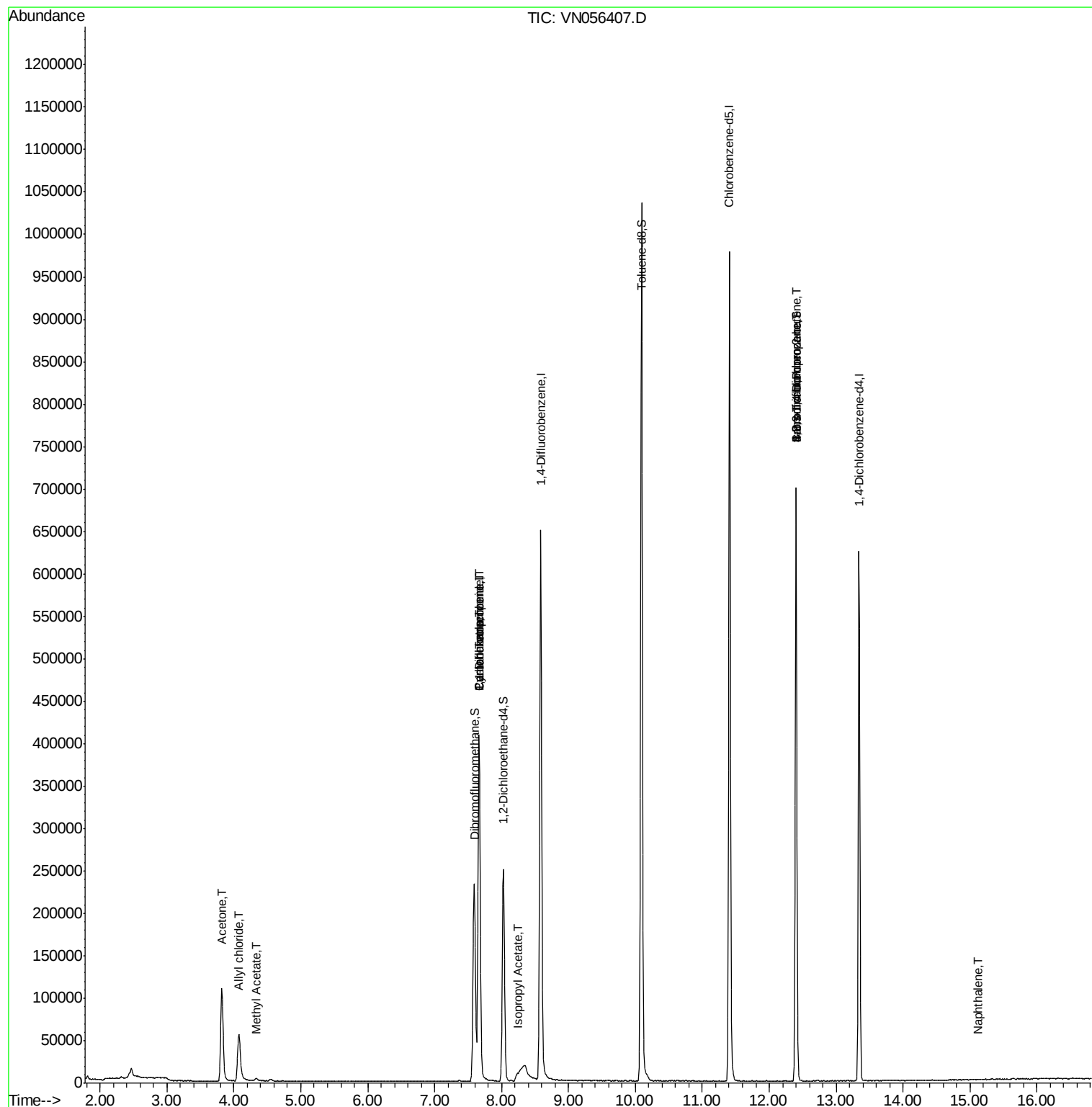
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.07	41	9482	1.713	ug/l #	66
16) Acetone	3.82	43	185740	88.884	ug/l	100
18) Methyl Acetate	4.33	43	4884	0.331	ug/l	97
20) Methylene Chloride	4.55	84	1870	Below Cal	#	86
31) Cyclohexane	7.66	56	5946	0.923	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	24313	4.382	ug/l #	49
38) Carbon Tetrachloride	7.67	117	32420	6.682	ug/l #	15
43) Isopropyl Acetate	8.24	43	6933	0.825	ug/l #	54
71) Bromoform	12.40	173	1826	3.647	ug/l #	1
73) Isopropylbenzene	12.40	105	174	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	115384	30.686	ug/l #	100
79) 2-Chlorotoluene	12.40	91	649	Below Cal	#	40
81) trans-1,4-Dichloro-2-buten	12.40	75	115384	109.064	ug/l #	8
95) Naphthalene	15.14	128	129	5.259	ug/l #	70

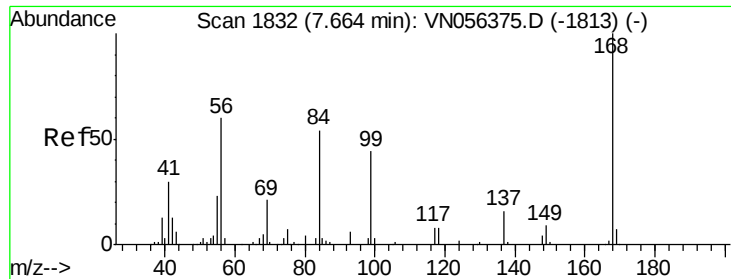
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062019\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

Instrument :

MSVOA_N

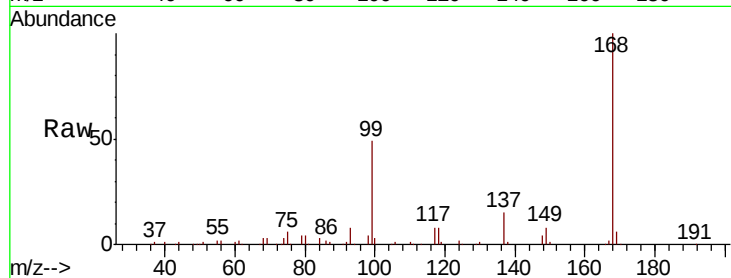
ClientSampleId :

Tot Ion:168 Resp: 376333

Ion Ratio Lower Upper

168 100

99 48.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

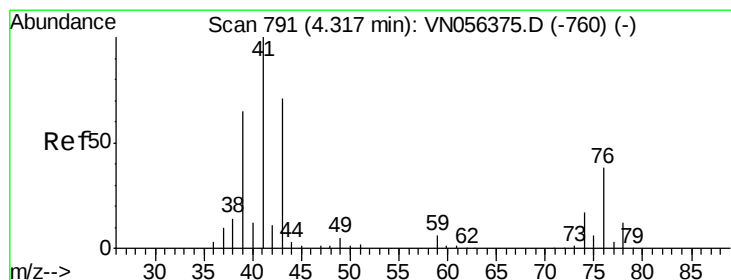
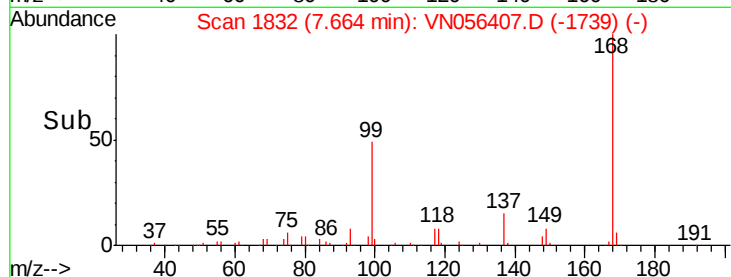
100000

50000

0

Time-->

7.60 7.70 7.80



#14

Allyl chloride

Concen: 1.713 ug/l

RT: 4.07 min Scan# 715

Delta R.T. -0.24 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

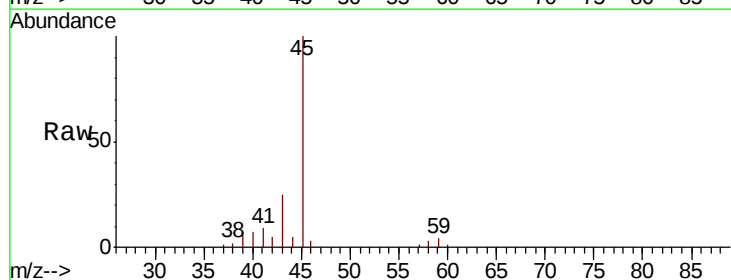
Tgt Ion: 41 Resp: 9482

Ion Ratio Lower Upper

41 100

39 76.5 48.6 73.0#

76 0.0 26.6 40.0#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.07

4000

3000

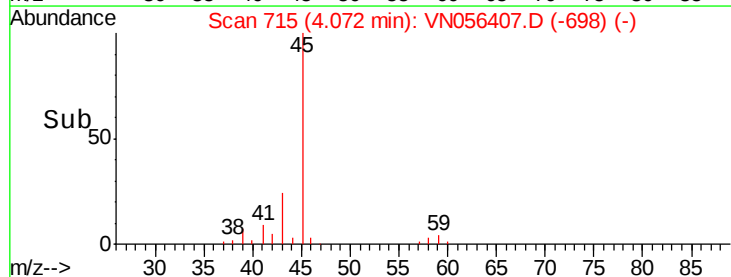
2000

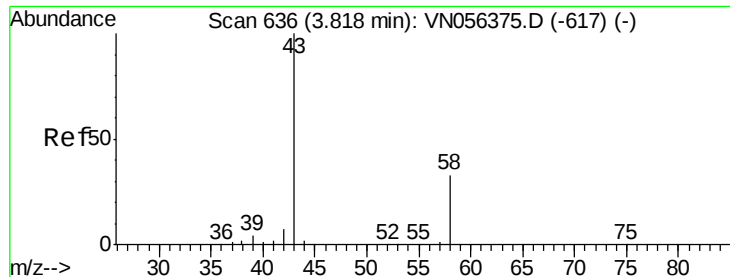
1000

0

Time-->

4.00 4.10 4.20





#16

Acetone

Concen: 88.884 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

Instrument :

MSVOA_N

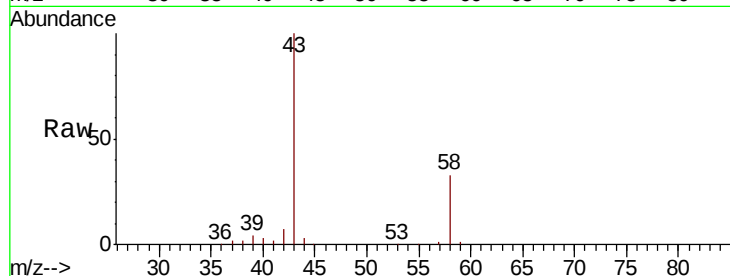
ClientSampled :

Tot Ion: 43 Resp: 185740

Ion Ratio Lower Upper

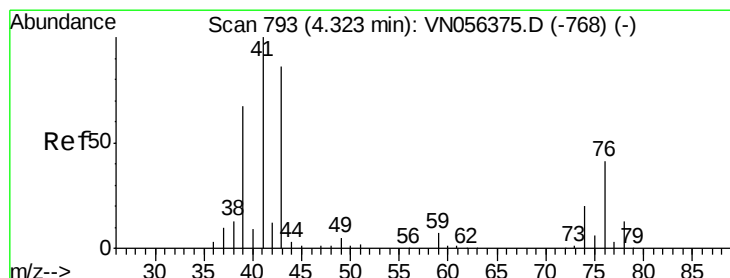
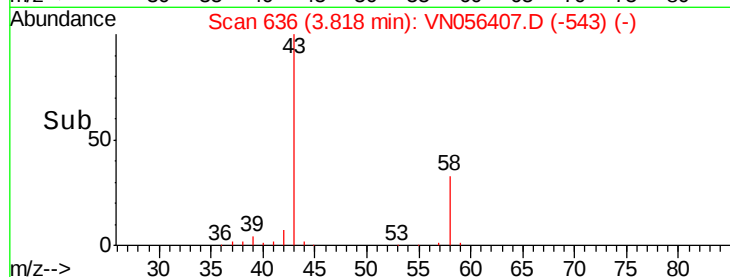
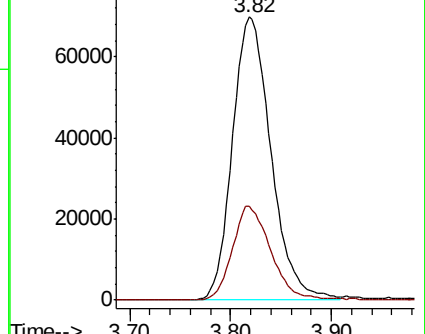
43 100

58 33.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.331 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056407.D

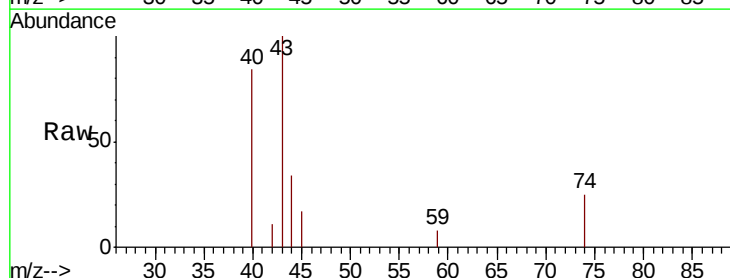
Acq: 20 Jun 2019 17:00

Tgt Ion: 43 Resp: 4884

Ion Ratio Lower Upper

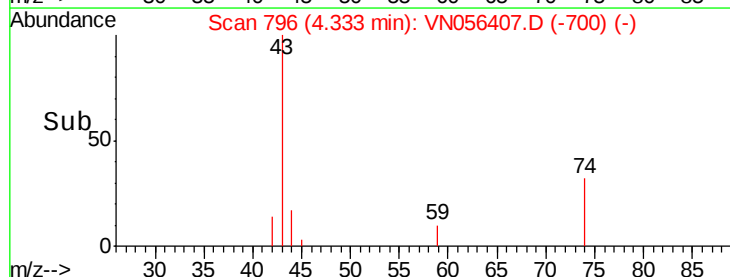
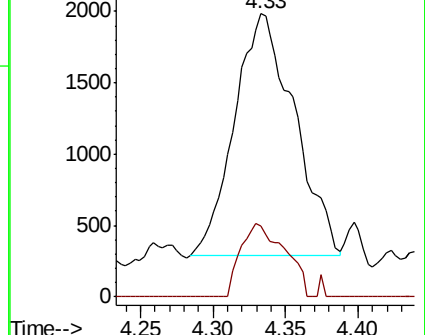
43 100

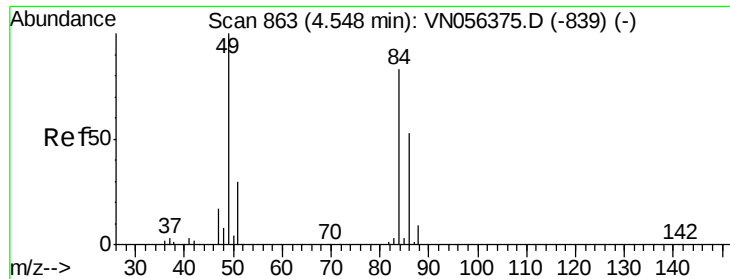
74 22.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

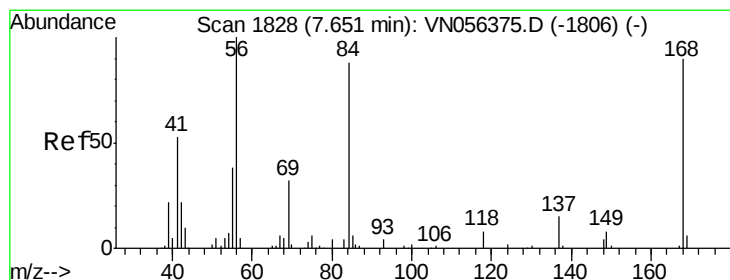
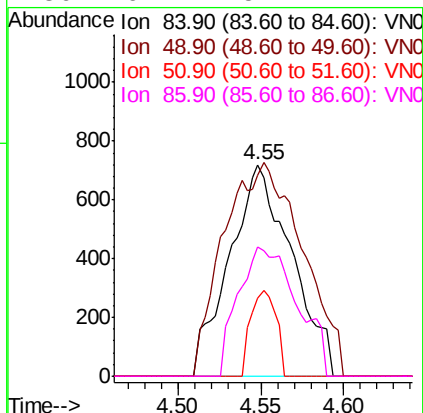
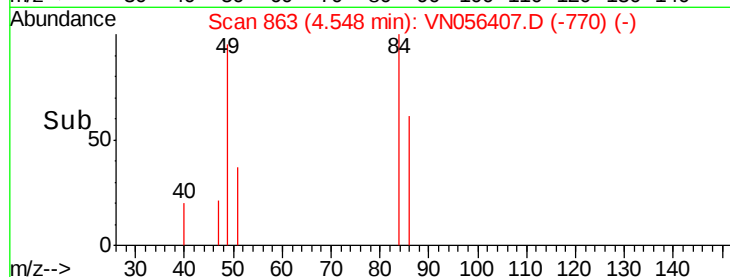
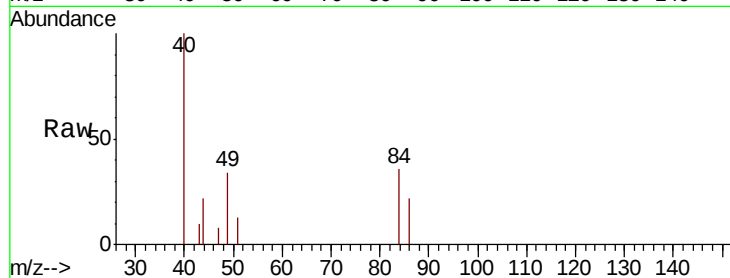




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056407.D
Acq: 20 Jun 2019 17:00

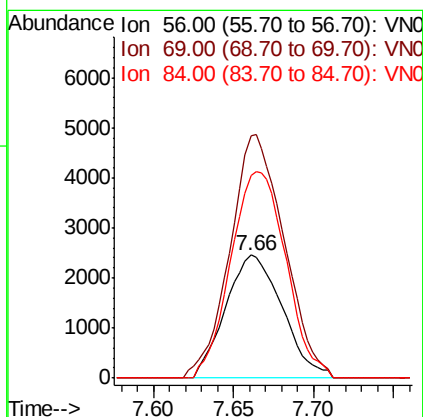
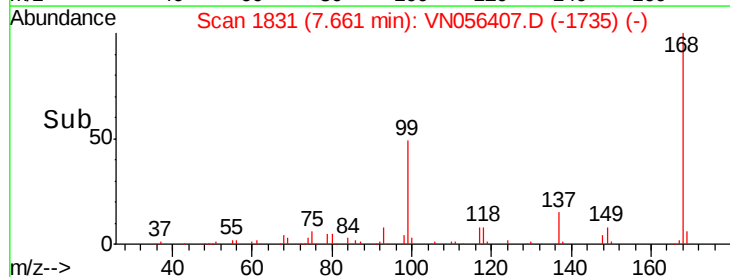
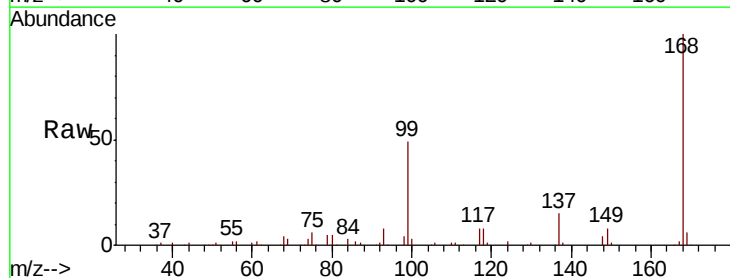
Instrument :
MSVOA_N
ClientSampled :

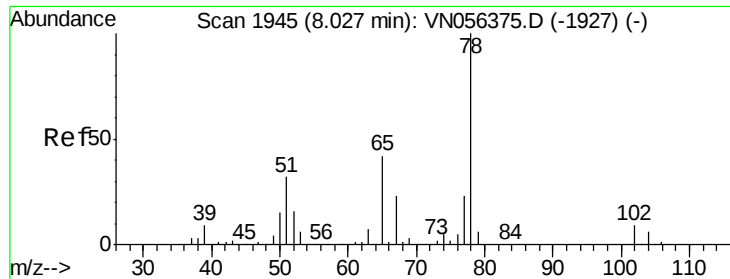
Tot Ion: 84 Resp: 1870
Ion Ratio Lower Upper
84 100
49 94.9 96.4 144.6#
51 36.9 28.6 43.0
86 61.1 51.4 77.2



#31
Cyclohexane
Concen: 0.923 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056407.D
Acq: 20 Jun 2019 17:00

Tgt Ion: 56 Resp: 5946
Ion Ratio Lower Upper
56 100
69 196.7 25.8 38.6#
84 164.0 69.4 104.0#

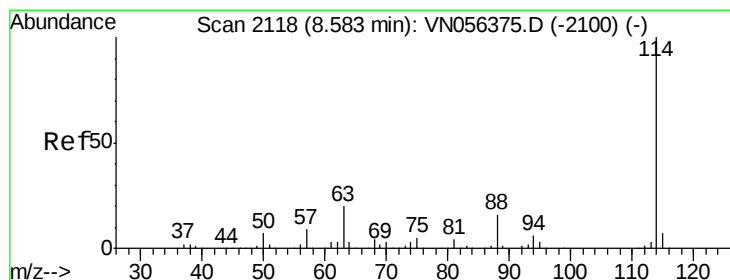
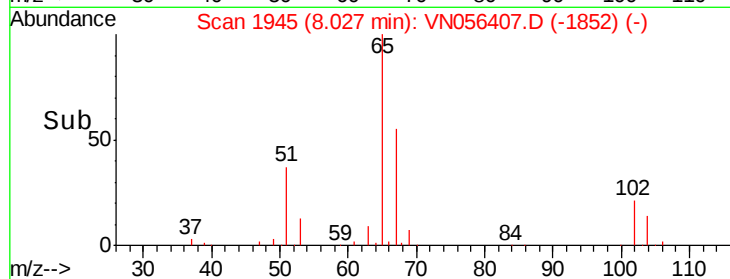
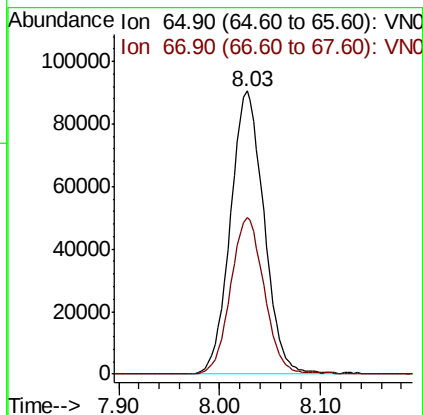
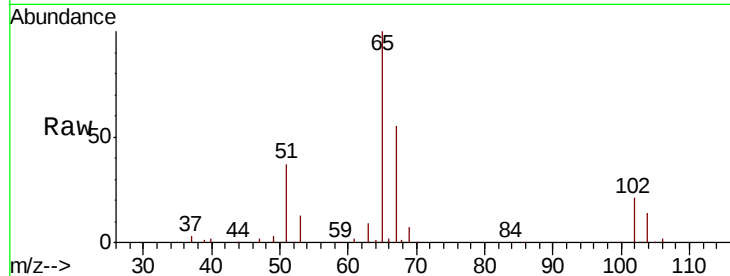




#33
 1,2-Dichloroethane-d4
 Concen: 50.220 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056407.D
 Acq: 20 Jun 2019 17:00

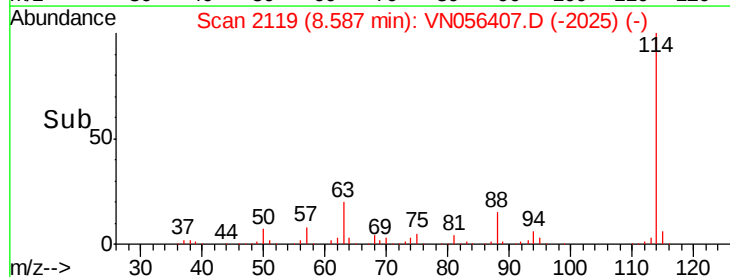
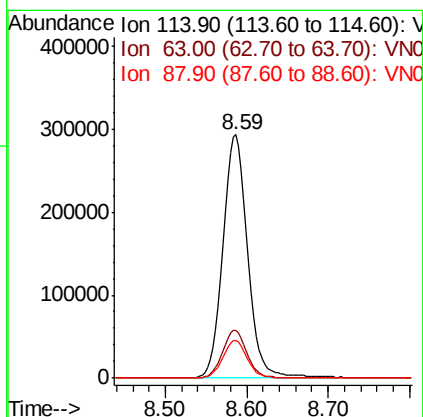
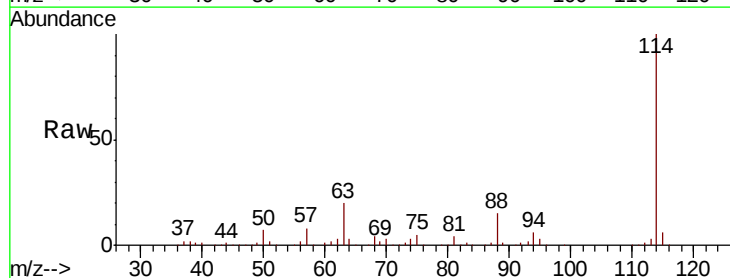
Instrument :
 MSVOA_N
 ClientSampleId :

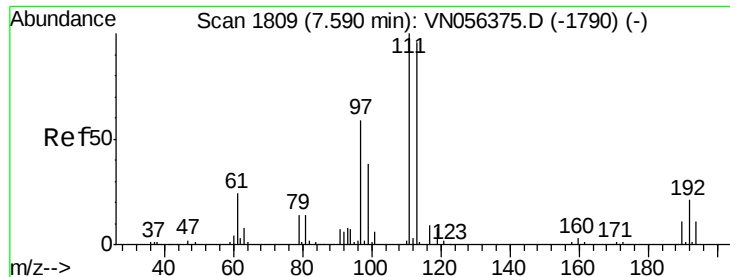
Tot Ion: 65 Resp: 209462
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056407.D
 Acq: 20 Jun 2019 17:00

Tgt Ion: 114 Resp: 630373
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.881 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

Instrument :
MSVOA_N
ClientSampled :

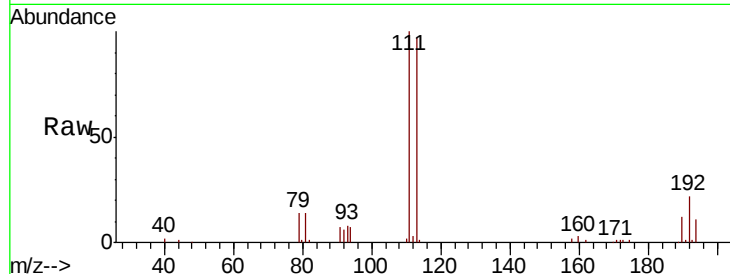
Tot Ion:113 Resp: 180426

Ion Ratio Lower Upper

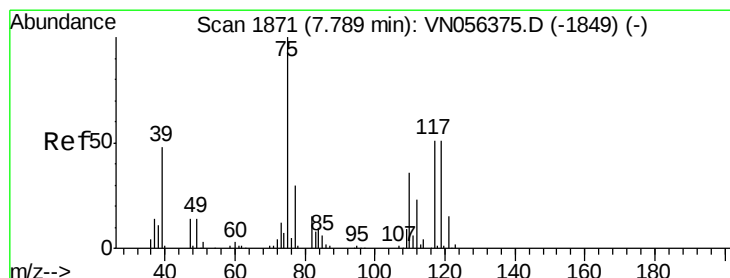
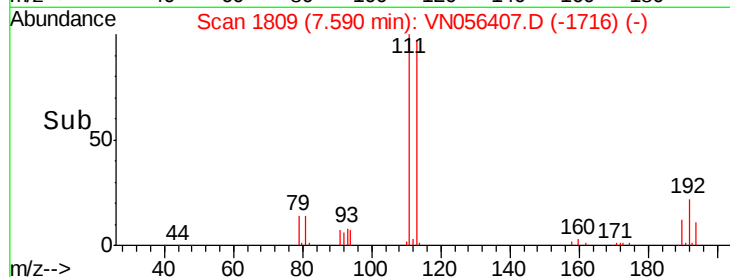
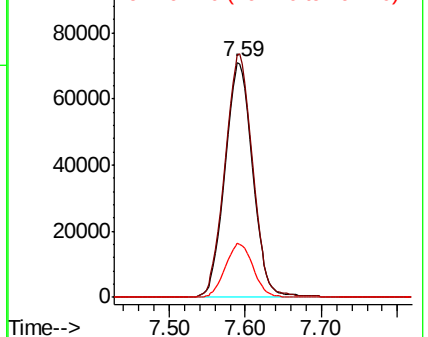
113 100

111 103.4 82.9 124.3

192 22.7 17.7 26.5



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: 4.382 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

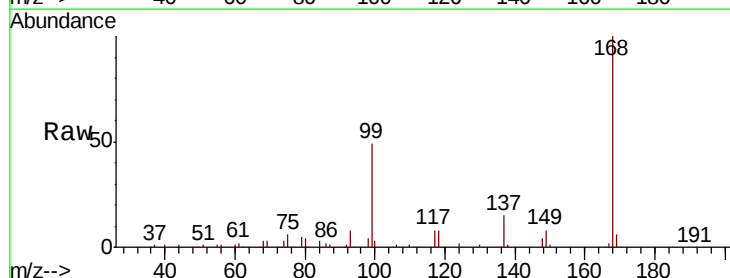
Tgt Ion: 75 Resp: 24313

Ion Ratio Lower Upper

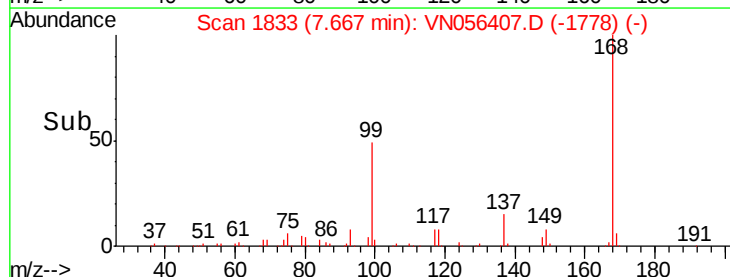
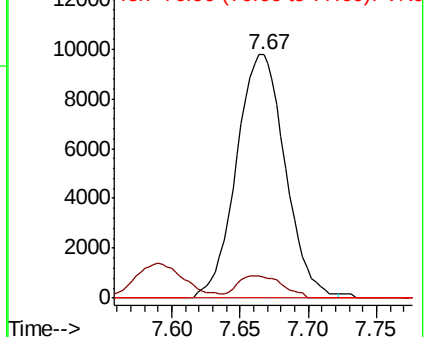
75 100

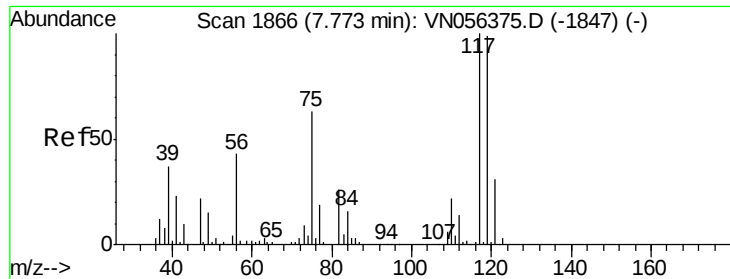
110 8.5 18.1 54.3#

77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

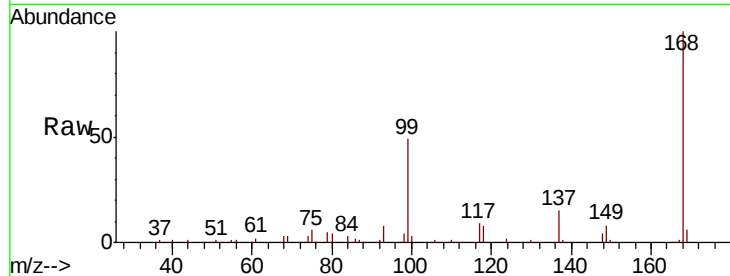




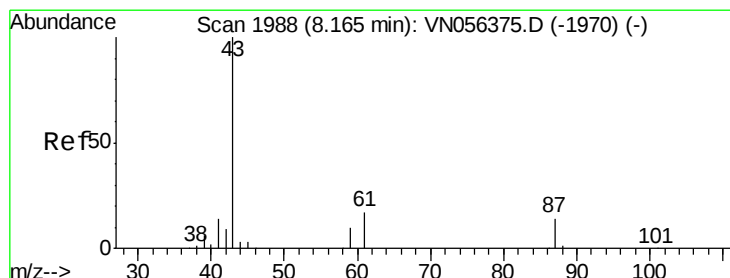
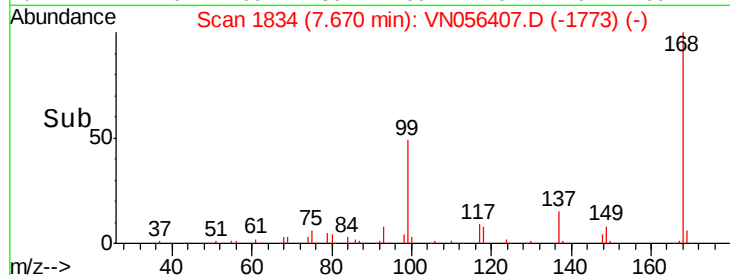
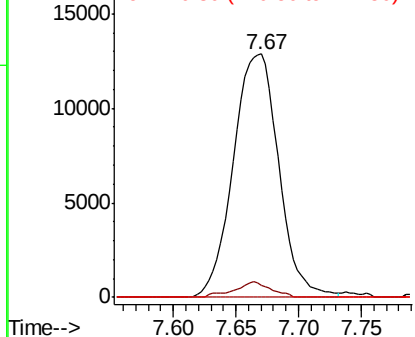
#38
Carbon Tetrachloride
Concen: 6.682 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.10 min
Lab File: VN056407.D
Acq: 20 Jun 2019 17:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 117 Resp: 32420
Ion Ratio Lower Upper
117 100
119 5.0 79.1 118.7#
121 0.0 24.8 37.2#

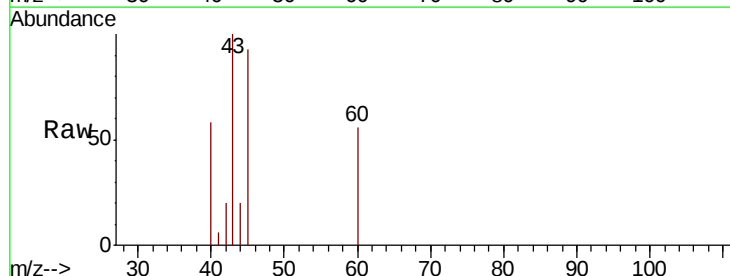


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

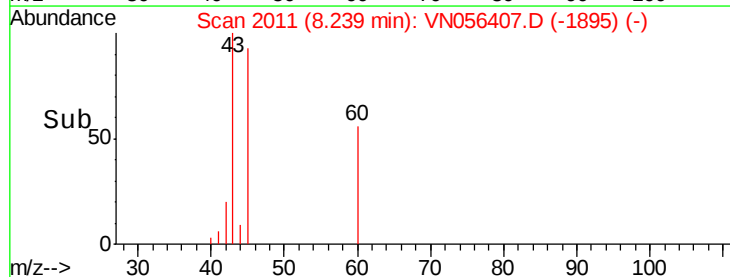
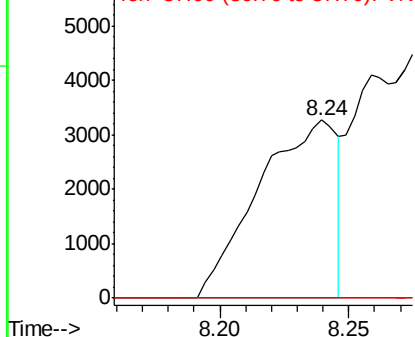


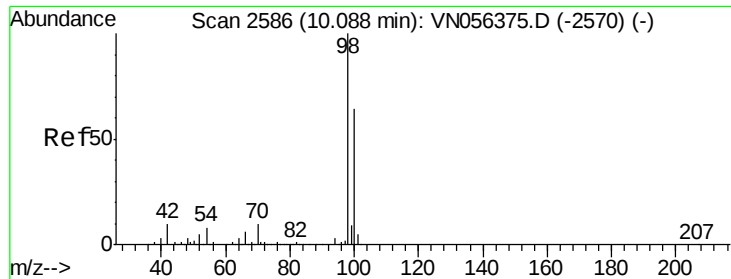
#43
Isopropyl Acetate
Concen: 0.825 ug/l
RT: 8.24 min Scan# 2011
Delta R.T. 0.07 min
Lab File: VN056407.D
Acq: 20 Jun 2019 17:00

Tgt Ion: 43 Resp: 6933
Ion Ratio Lower Upper
43 100
61 0.0 22.0 33.0#
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 50.764 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

Instrument :

MSVOA_N

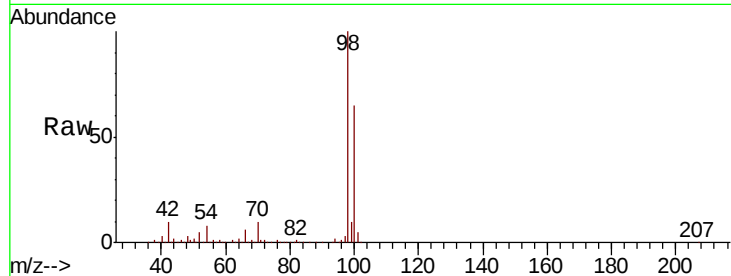
ClientSampleId :

Tot Ion: 98 Resp: 776775

Ion Ratio Lower Upper

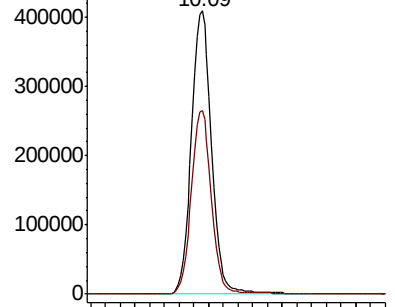
98 100

100 64.8 52.2 78.2

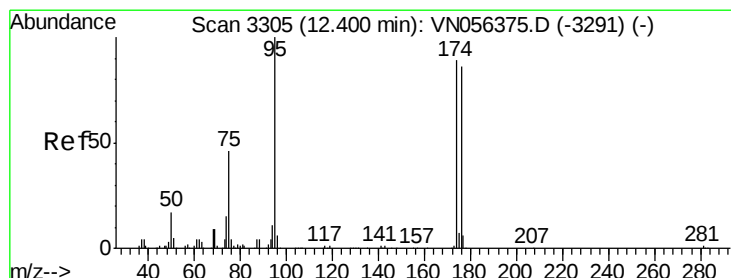
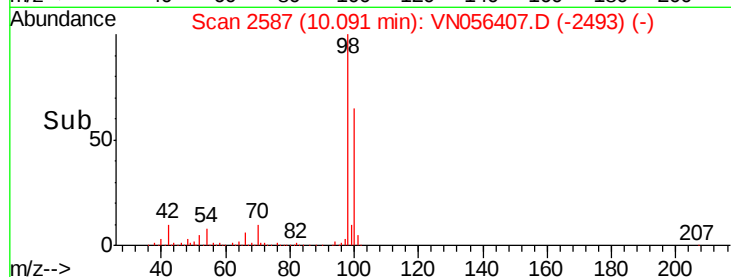


Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056375.D (-2570) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 49.211 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

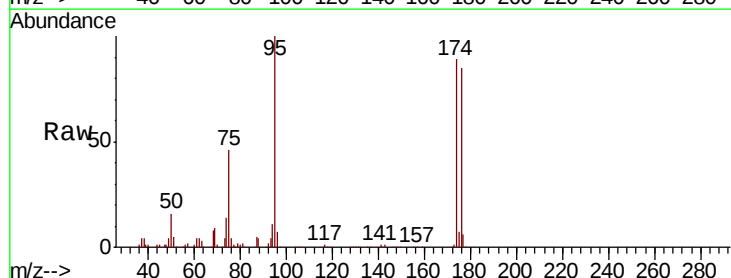
Tgt Ion: 95 Resp: 251020

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.4

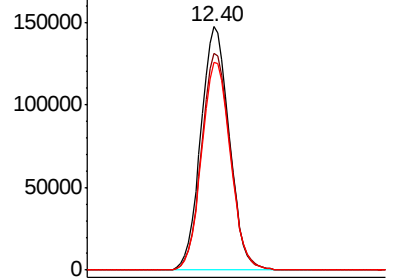
176 86.2 0.0 173.4



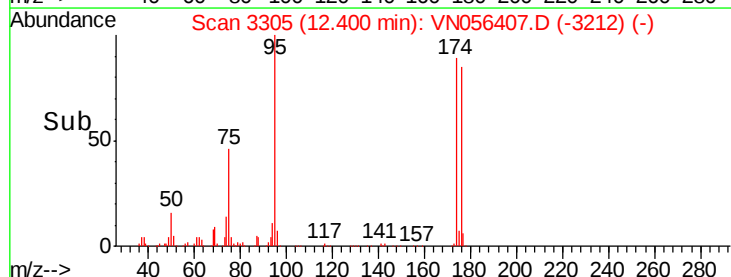
Abundance Ion 94.90 (94.60 to 95.60): VN056375.D (-3291) (-)

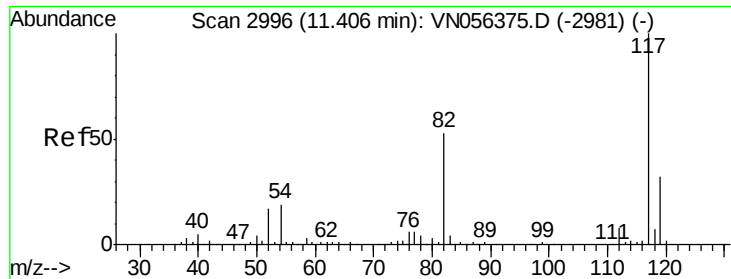
Ion 173.80 (173.50 to 174.50): VN056375.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056375.D (-3291) (-)



Time-->

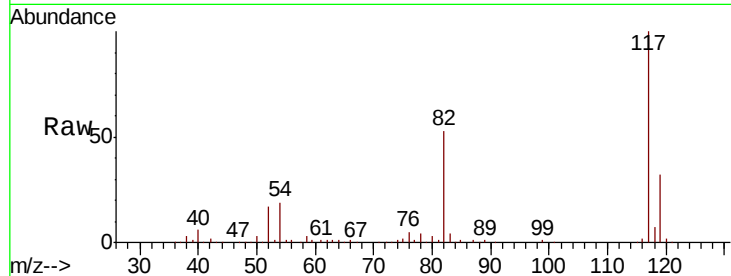




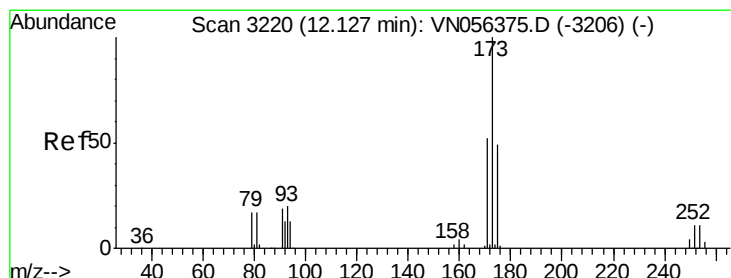
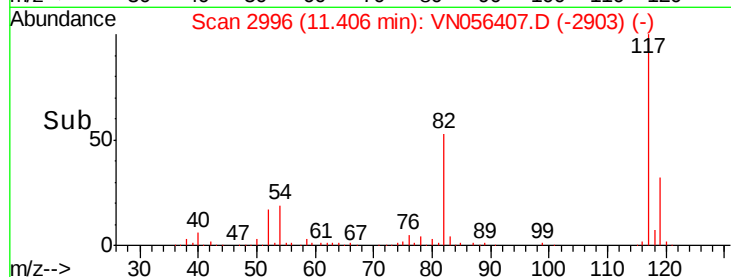
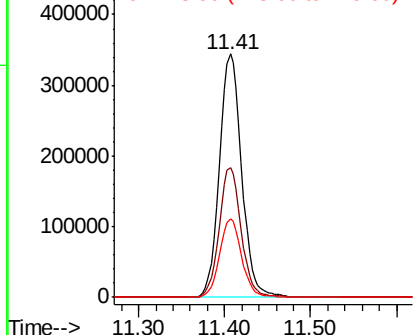
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056407.D
Acq: 20 Jun 2019 17:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 618630
Ion Ratio Lower Upper
117 100
82 53.4 42.0 63.0
119 32.1 25.3 37.9

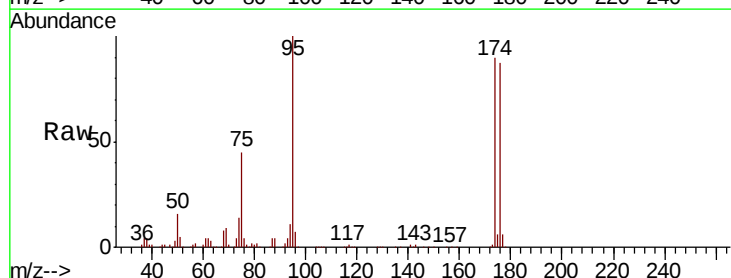


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

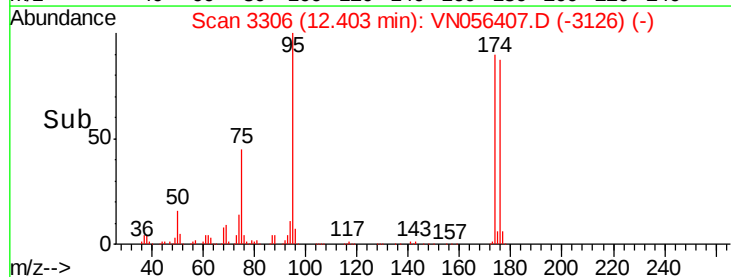
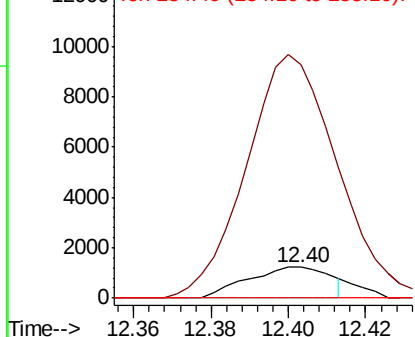


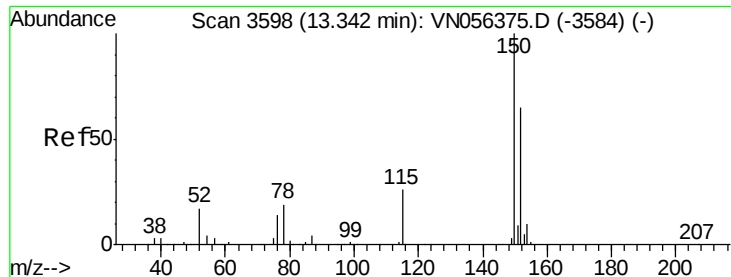
#71
Bromoform
Concen: 3.647 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056407.D
Acq: 20 Jun 2019 17:00

Tgt Ion:173 Resp: 1826
Ion Ratio Lower Upper
173 100
175 762.7 24.4 73.4#
254 0.0 0.0 0.0



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: VN056407.D

Acq: 20 Jun 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

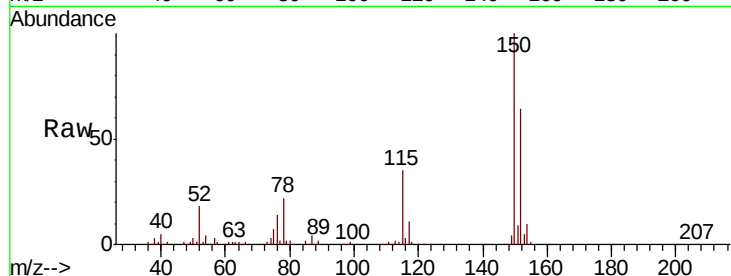
Tot Ion:152 Resp: 181339

Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.4

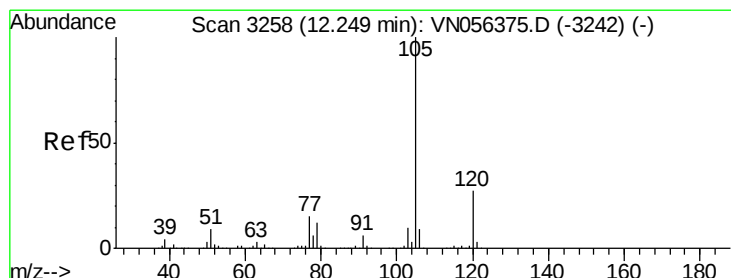
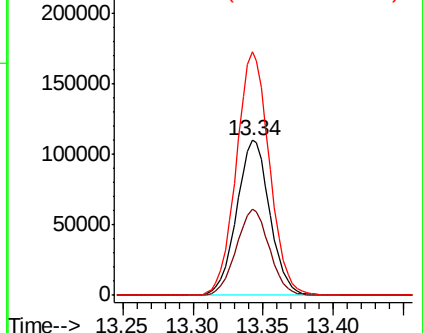
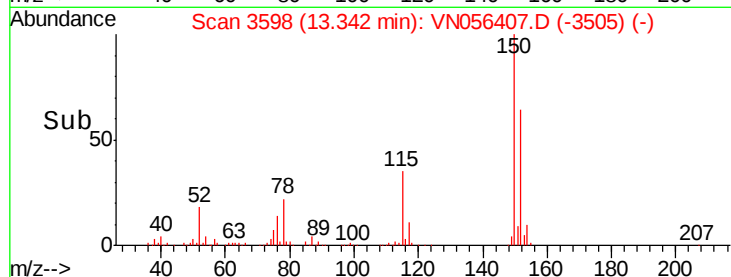
150 157.0 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN056407.D

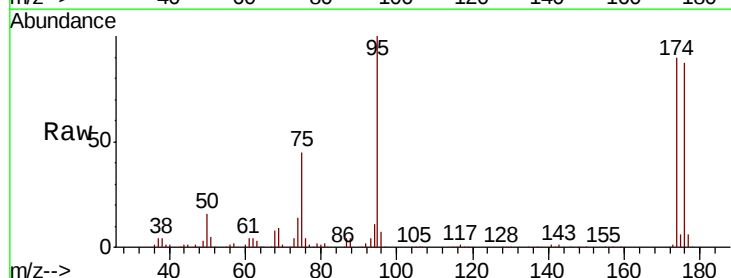
Acq: 20 Jun 2019 17:00

Tgt Ion:105 Resp: 174

Ion Ratio Lower Upper

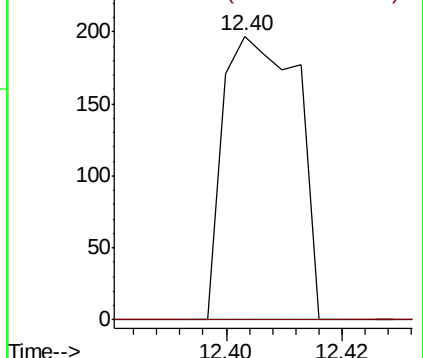
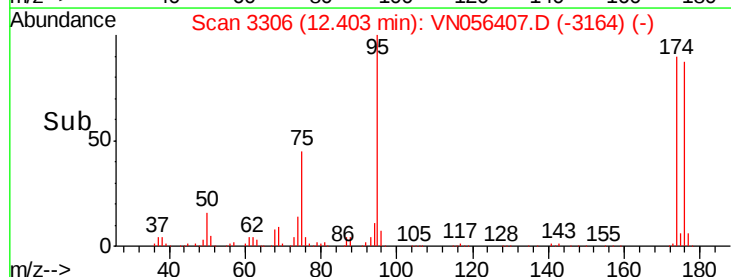
105 100

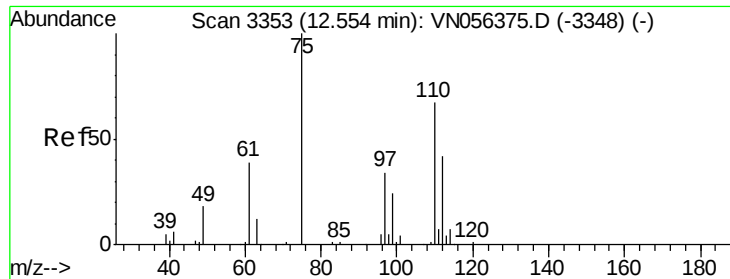
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 30.686 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

Instrument :

MSVOA_N

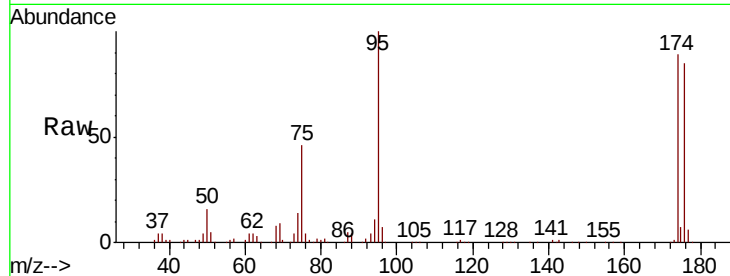
ClientSampled :

Tot Ion: 75 Resp: 115384

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

60000

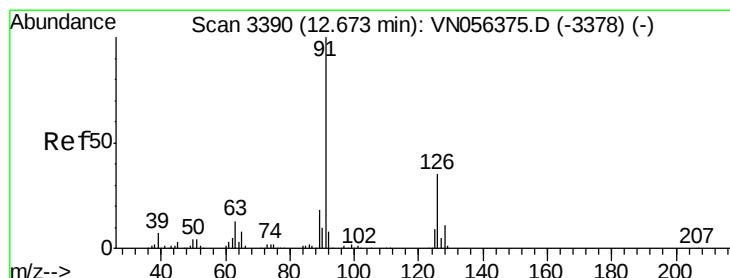
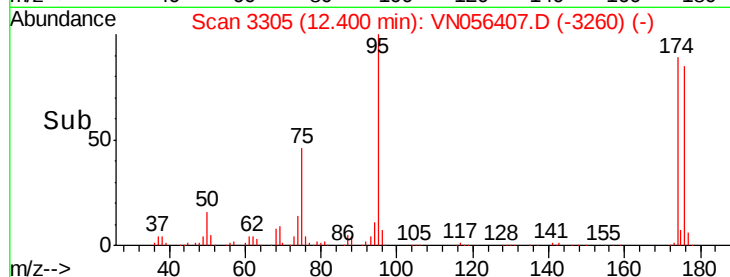
40000

20000

0

Time-->

12.35 12.40 12.45



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056407.D

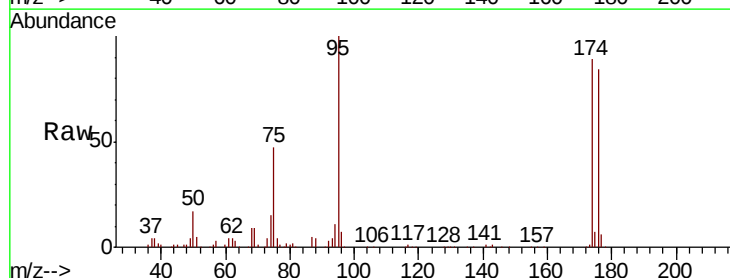
Acq: 20 Jun 2019 17:00

Tgt Ion: 91 Resp: 649

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.40

400

300

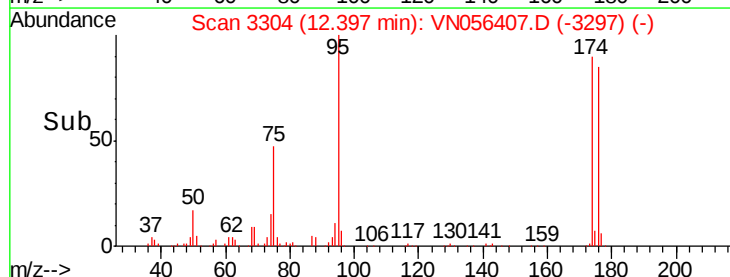
200

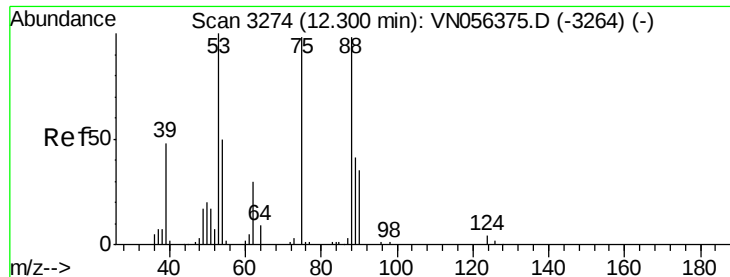
100

0

Time-->

12.38 12.40 12.42





#81

trans-1,4-Dichloro-2-butene

Concen: 109.064 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

Instrument :

MSVOA_N

ClientSampled :

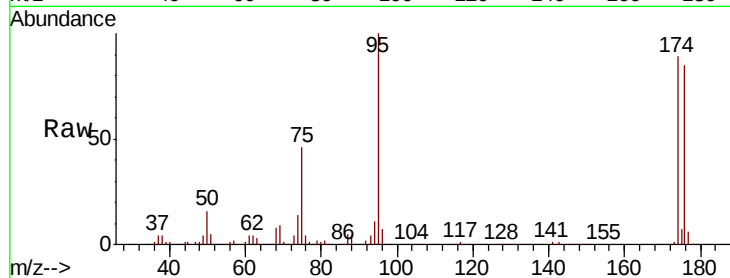
Tot Ion: 75 Resp: 115384

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

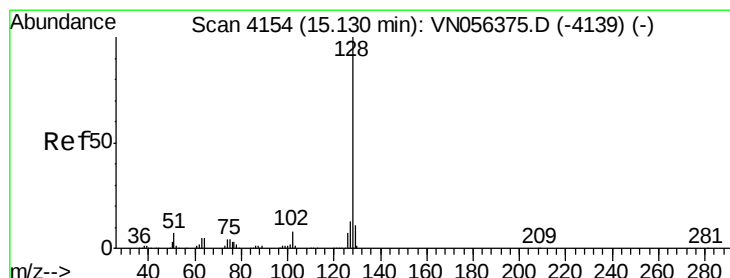
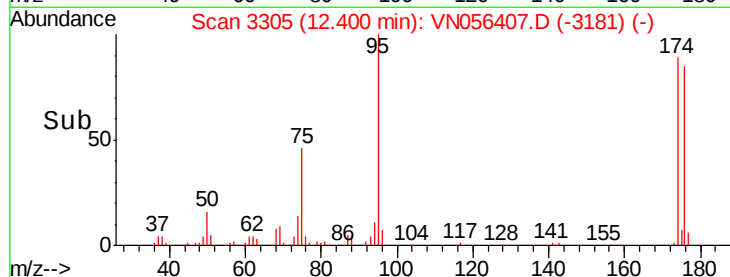
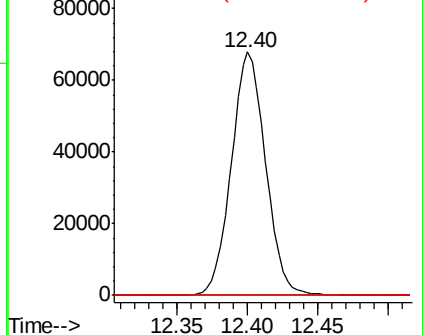
89 0.0 35.0 52.6#



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: 5.259 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056407.D

Acq: 20 Jun 2019 17:00

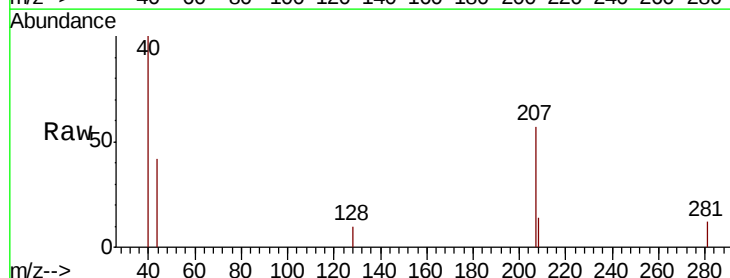
Tgt Ion: 128 Resp: 129

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 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

