

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059099.D
 Acq On : 6 Nov 2019 12:07
 Operator : JC/SP
 Sample : VN1106MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:04:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	474747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	736516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	620713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	208456	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	294771	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
35) Dibromofluoromethane	7.57	113	227601	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
50) Toluene-d8	10.08	98	886315	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.40	95	270766	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

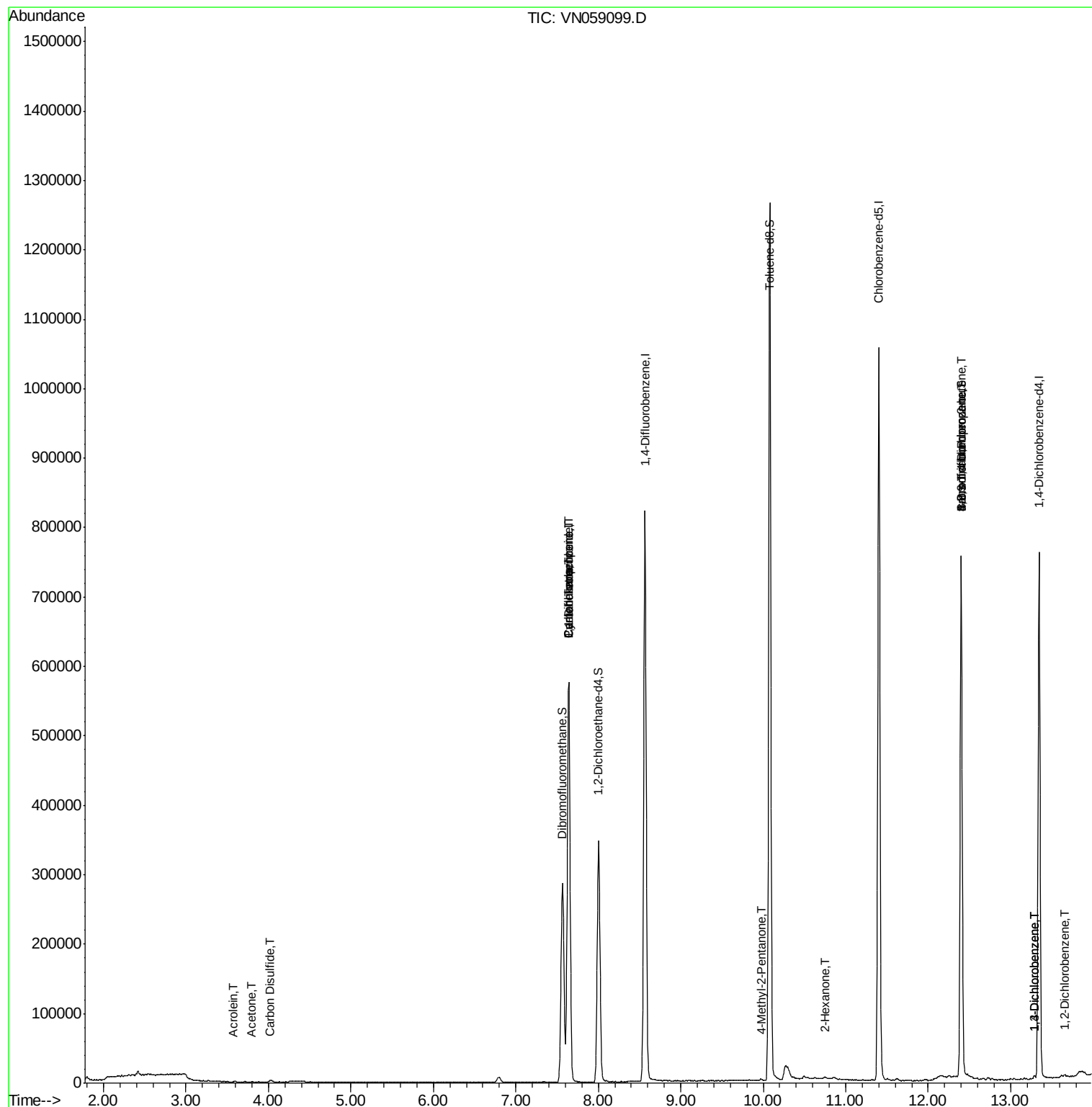
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	385	0.671	ug/l	85
16) Acetone	3.80	43	1412	0.465	ug/l #	44
17) Carbon Disulfide	4.03	76	5463	0.397	ug/l #	92
31) Cyclohexane	7.64	56	9452	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	36563	5.311	ug/l #	50
38) Carbon Tetrachloride	7.64	117	46233	6.747	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	1613	0.233	ug/l #	77
59) 2-Hexanone	10.75	43	1534	0.289	ug/l	92
71) Bromoform	12.40	173	1427	0.404	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	134556	28.352	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	134556	74.887	ug/l #	13
87) 1,3-Dichlorobenzene	13.29	146	1394	0.214	ug/l	90
88) 1,4-Dichlorobenzene	13.29	146	1394	0.214	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	1471	0.229	ug/l	87

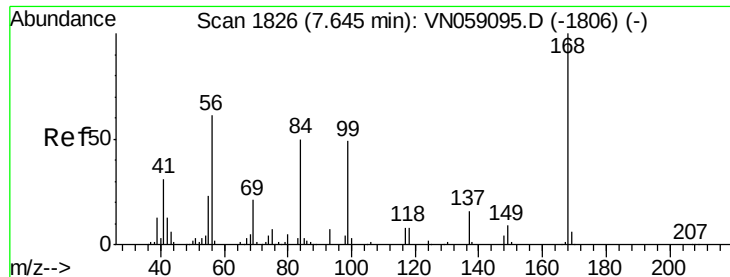
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 07 04:04:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

Instrument :

MSVOA_N

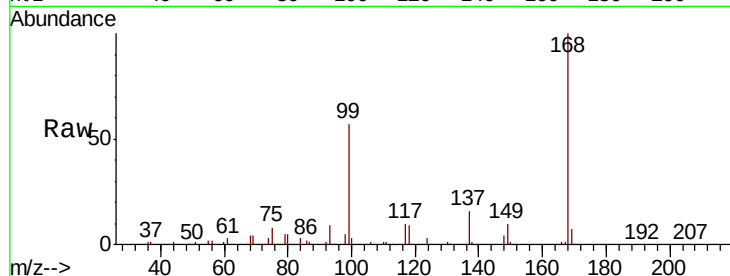
ClientSampleId :

Tot Ion:168 Resp: 474747

Ion Ratio Lower Upper

168 100

99 57.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059099.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059099.D (-1733) (-)

7.64

200000

150000

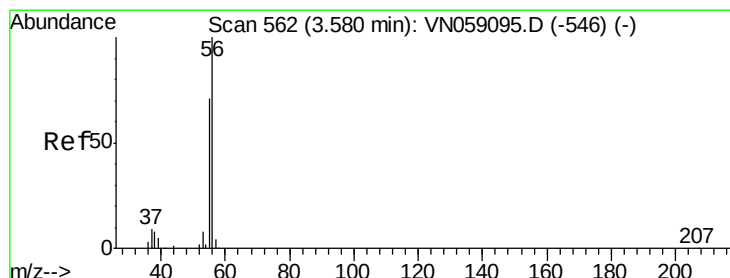
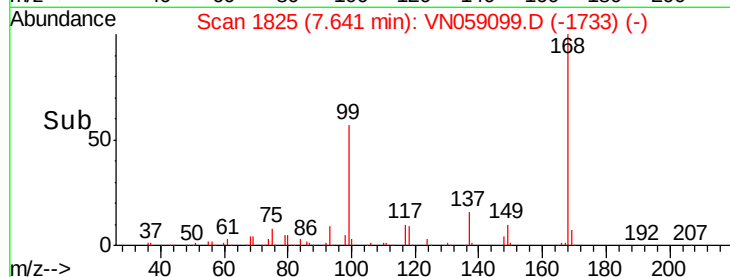
100000

50000

0

7.60 7.70

Time-->



#13

Acrolein

Concen: 0.671 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059099.D

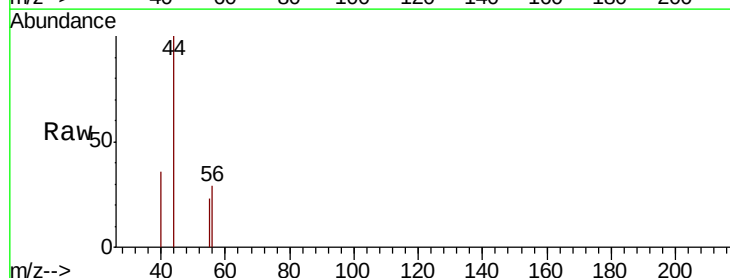
Acq: 6 Nov 2019 12:07

Tgt Ion: 56 Resp: 385

Ion Ratio Lower Upper

56 100

55 57.9 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN059099.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN059099.D (-469) (-)

3.58

300

250

200

150

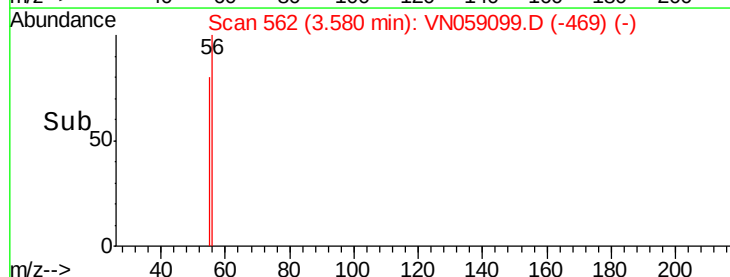
100

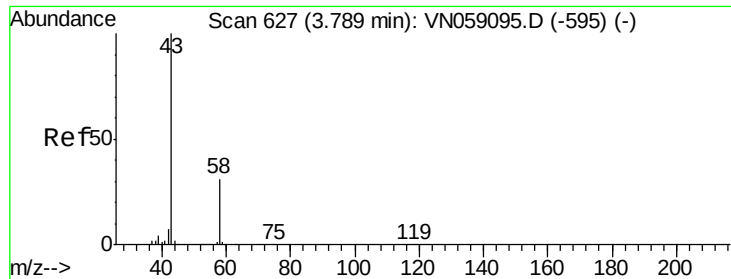
50

0

3.56 3.58 3.60

Time-->





#16

Acetone

Concen: 0.465 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

Instrument :

MSVOA_N

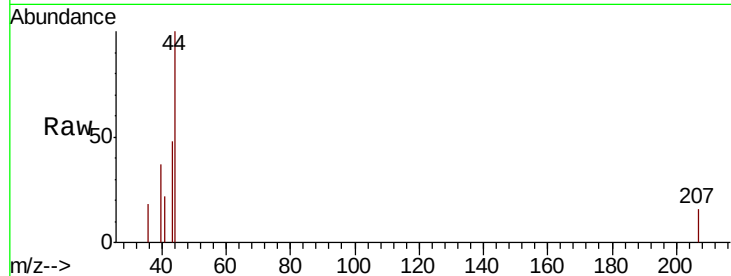
ClientSampled :

Tot Ion: 43 Resp: 1412

Ion Ratio Lower Upper

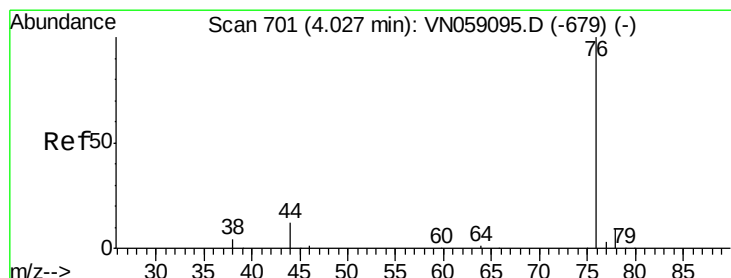
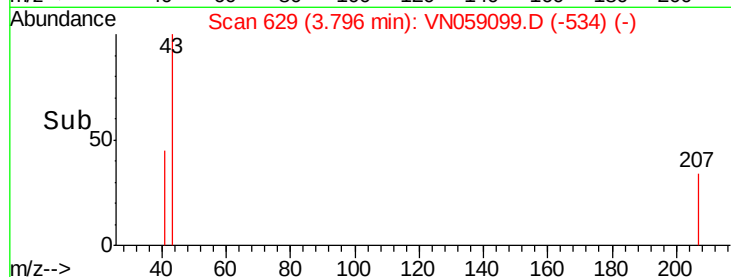
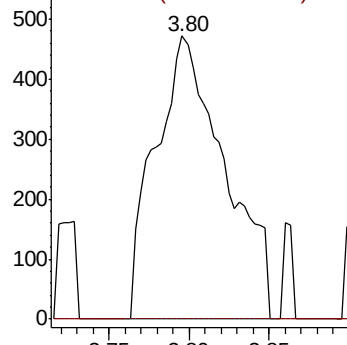
43 100

58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.397 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059099.D

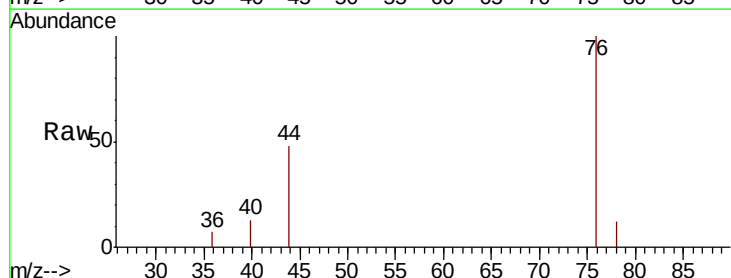
Acq: 6 Nov 2019 12:07

Tgt Ion: 76 Resp: 5463

Ion Ratio Lower Upper

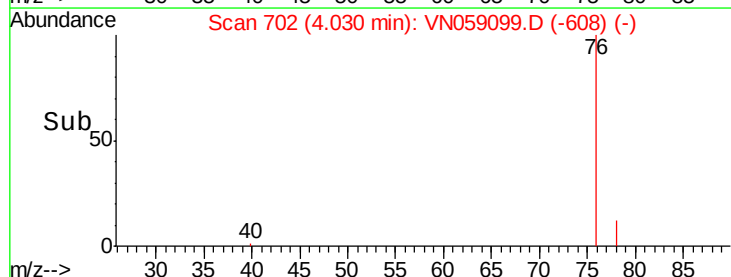
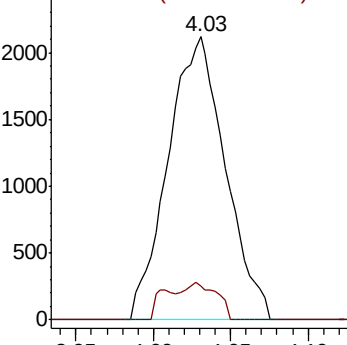
76 100

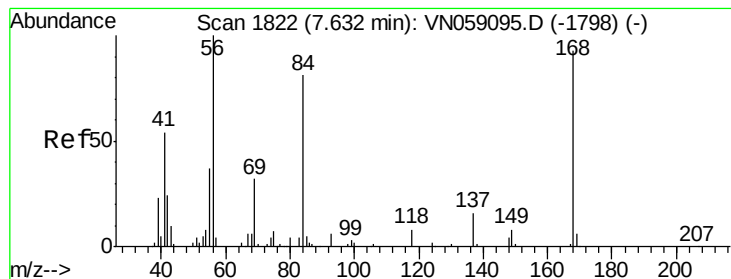
78 12.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#31

Cyclohexane

Concen: 1.040 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

Instrument :

MSVOA_N

ClientSampleId :

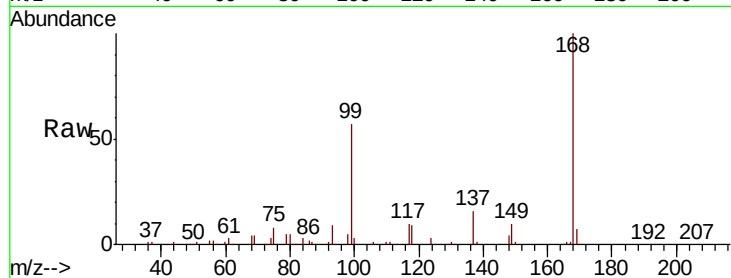
Tot Ion: 56 Resp: 9452

Ion Ratio Lower Upper

56 100

69 180.3 25.8 38.8#

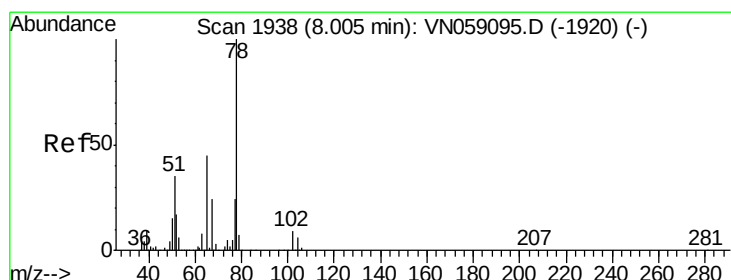
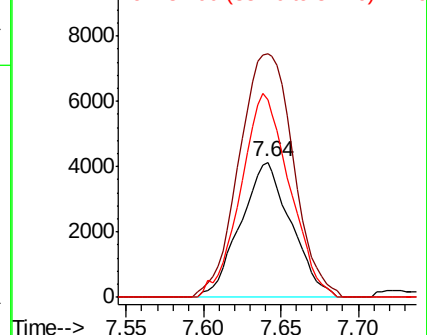
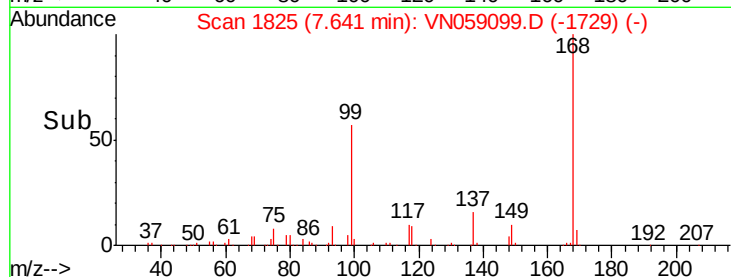
84 146.2 65.0 97.4#



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: 50.510 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059099.D

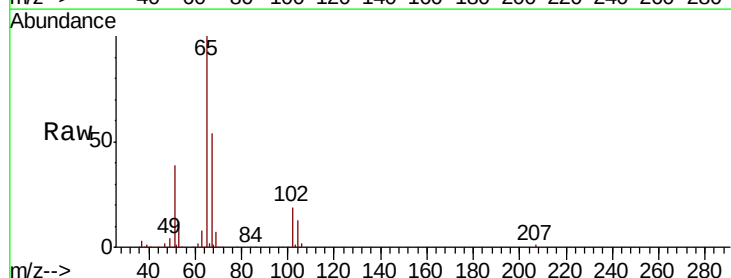
Acq: 6 Nov 2019 12:07

Tgt Ion: 65 Resp: 294771

Ion Ratio Lower Upper

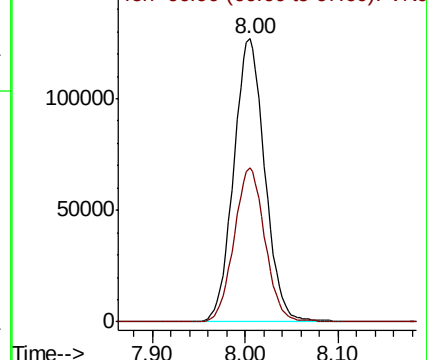
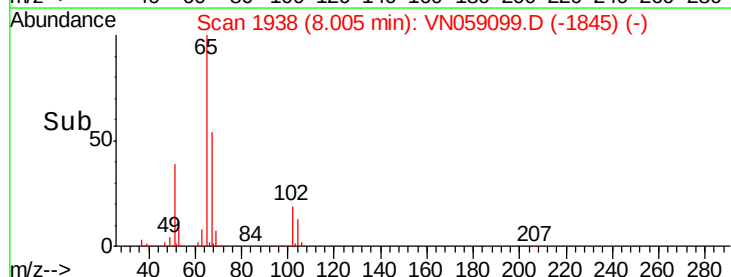
65 100

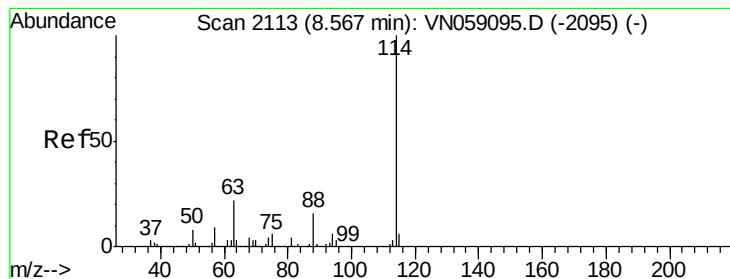
67 54.2 0.0 107.4



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: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

Instrument :

MSVOA_N

ClientSampleId :

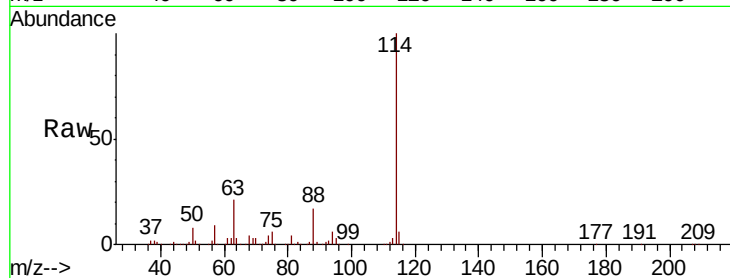
Tot Ion:114 Resp: 736516

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

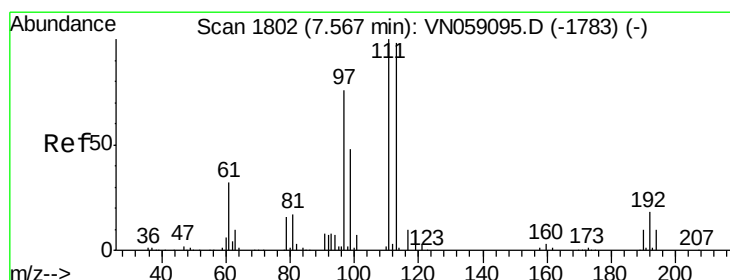
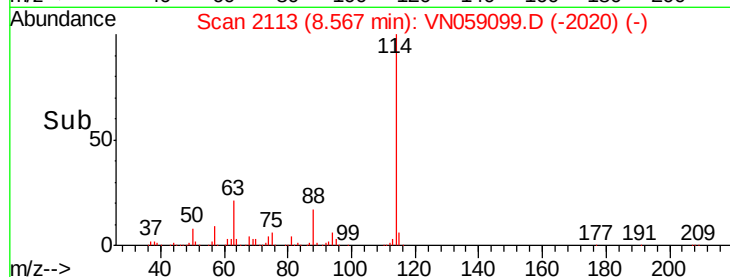
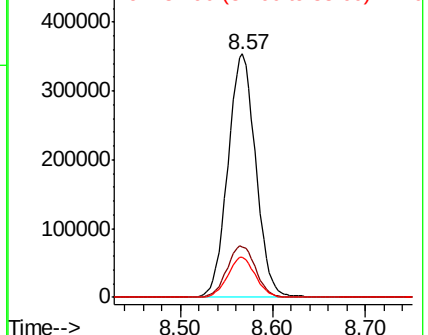
88 16.7 0.0 32.2



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: 51.754 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

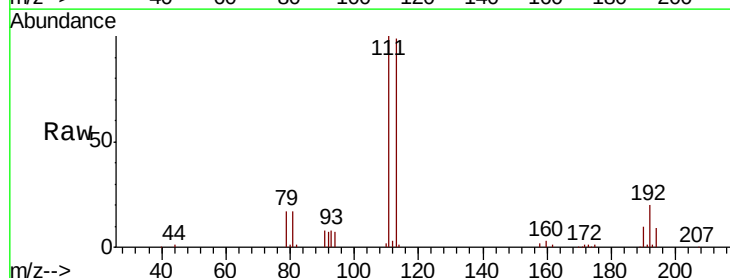
Tgt Ion:113 Resp: 227601

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

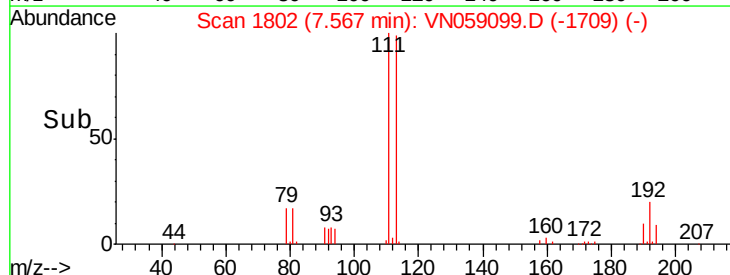
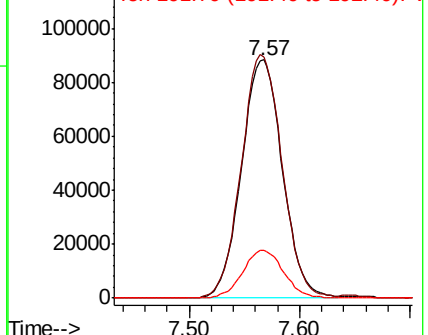
192 20.0 16.1 24.1

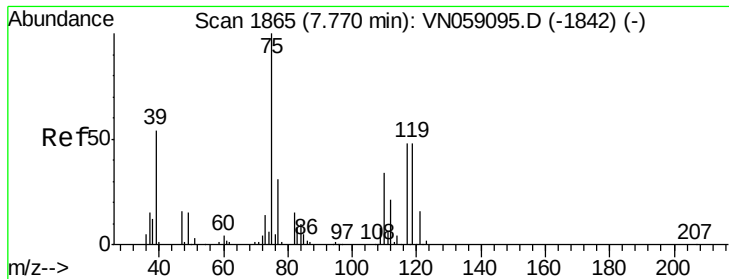


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

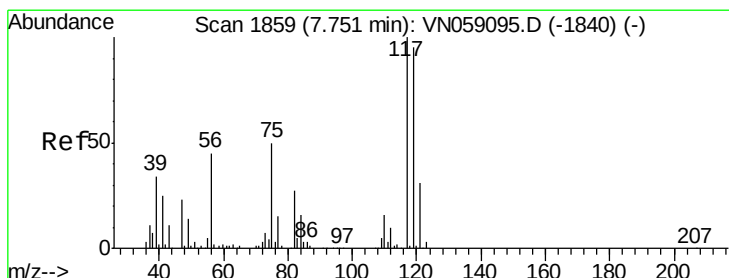
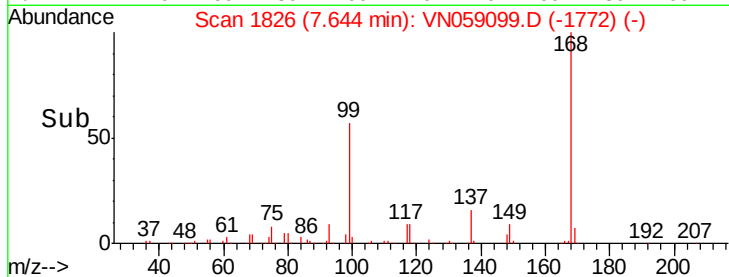
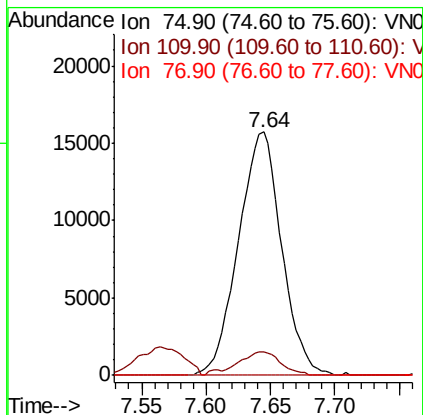
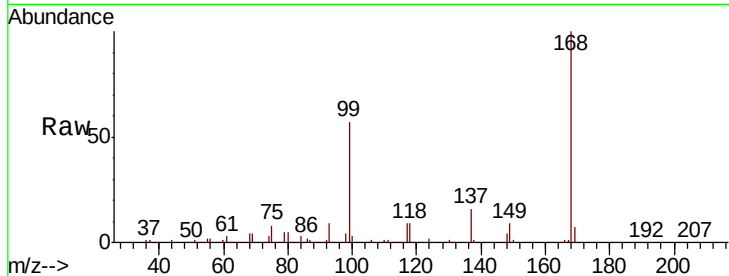




#36
 1,1-Dichloropropene
 Concen: 5.311 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059099.D
 Acq: 6 Nov 2019 12:07

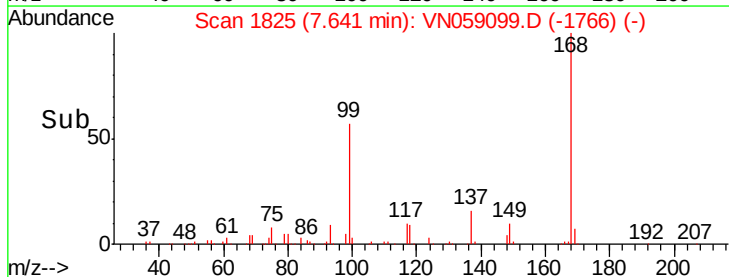
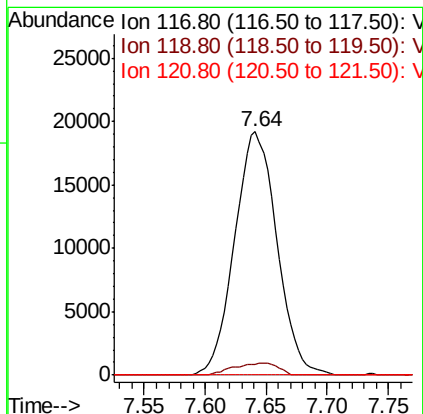
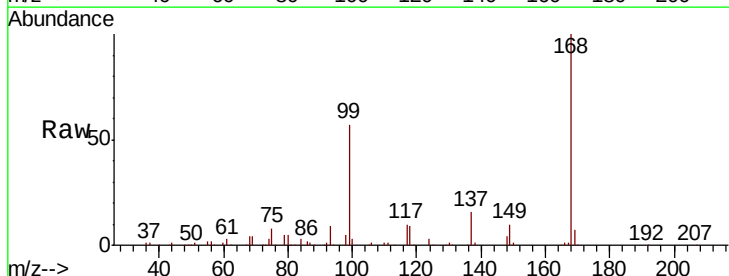
Instrument :
 MSVOA_N
 ClientSampleId :

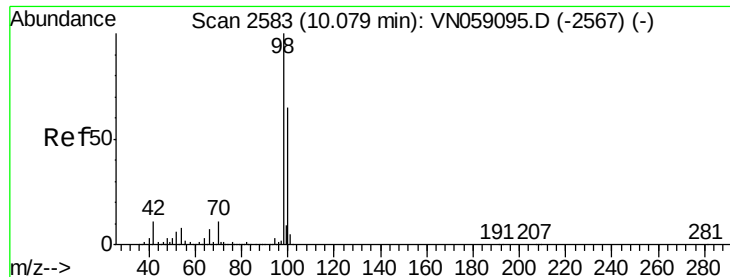
Tot Ion	75	Resp	36563
Ion Ratio	Lower	Upper	
75	100		
110	9.1	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.747 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059099.D
 Acq: 6 Nov 2019 12:07

Tgt Ion	117	Resp	46233
Ion Ratio	Lower	Upper	
117	100		
119	4.4	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 51.166 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

Instrument :

MSVOA_N

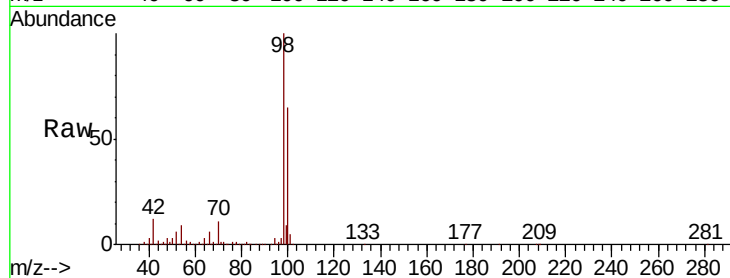
ClientSampled :

Tot Ion: 98 Resp: 886315

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059099.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059099.D (-2567) (-)

10.08

500000

400000

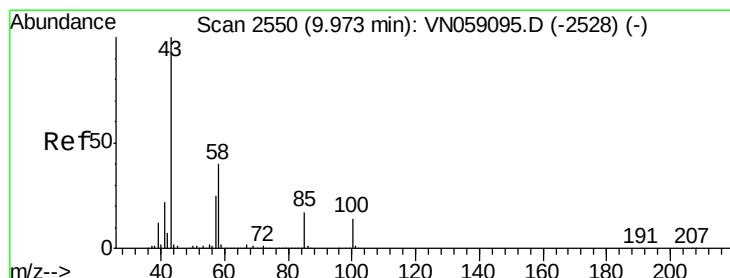
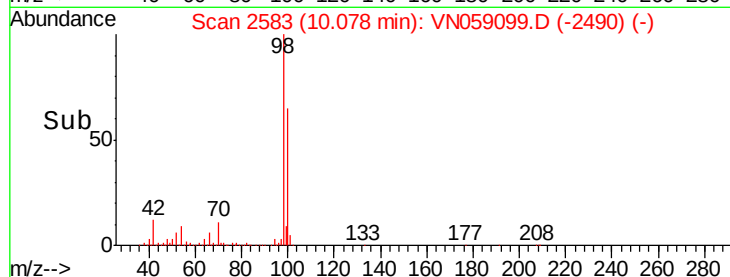
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.233 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059099.D

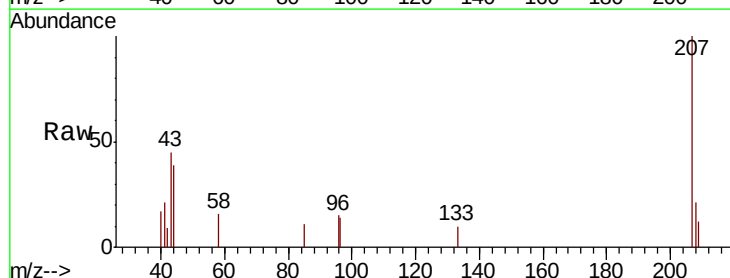
Acq: 6 Nov 2019 12:07

Tgt Ion: 43 Resp: 1613

Ion Ratio Lower Upper

43 100

58 25.4 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059099.D (-2550) (-)

Ion 58.00 (57.70 to 58.70): VN059099.D (-2550) (-)

9.98

800

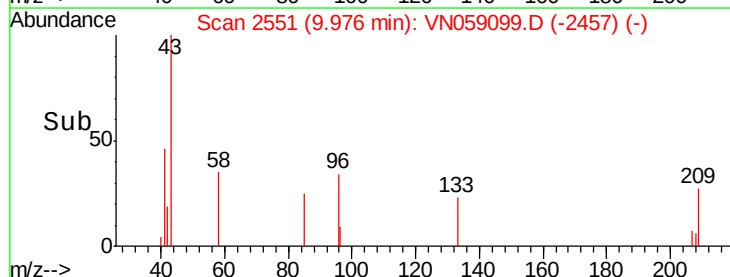
600

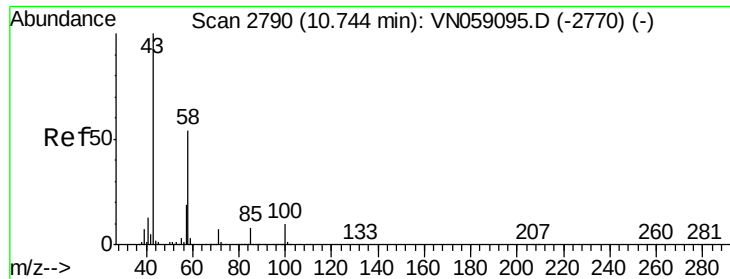
400

200

0

Time-->

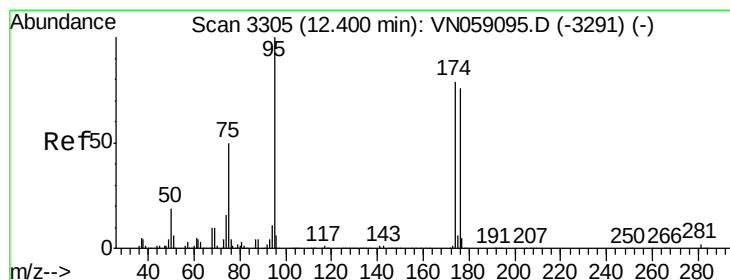
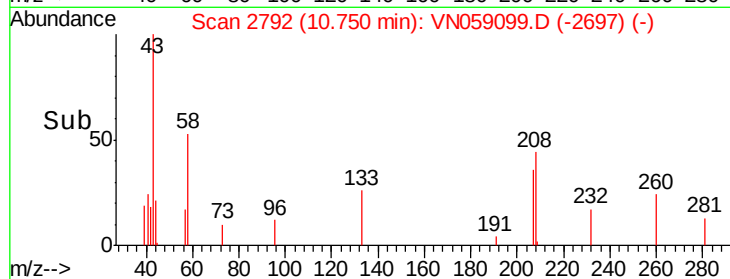
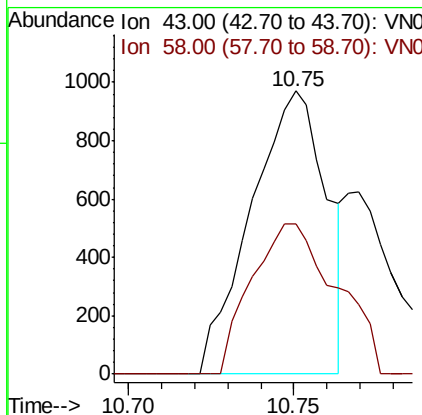
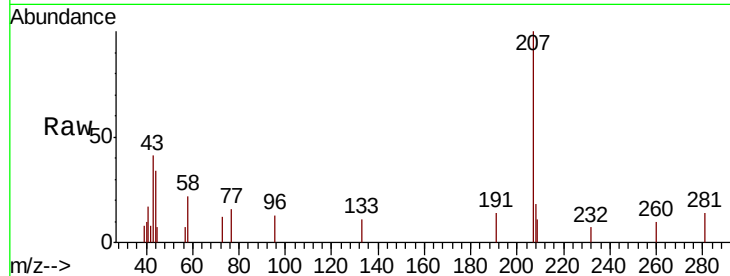




#59
2-Hexanone
Concen: 0.289 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN059099.D
Acq: 6 Nov 2019 12:07

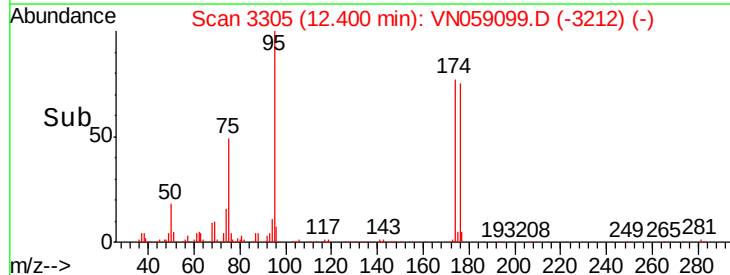
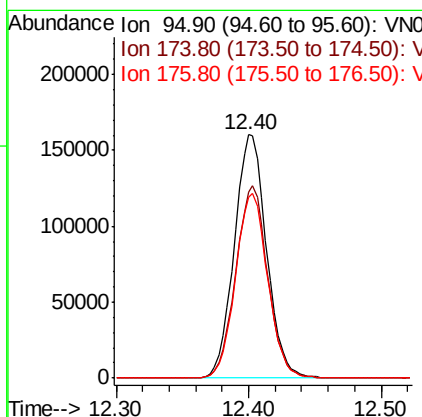
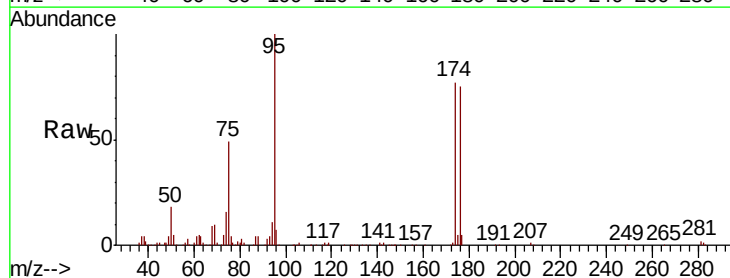
Instrument :
MSVOA_N
ClientSampled :

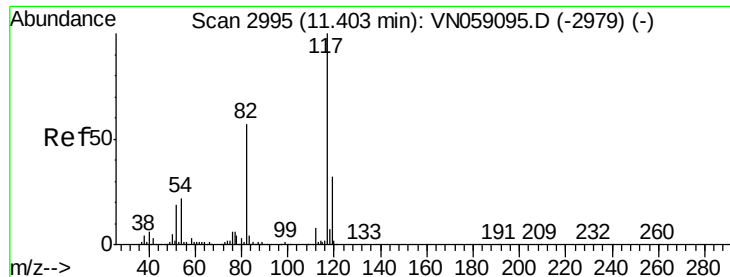
Tot Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 60.0 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 43.352 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059099.D
Acq: 6 Nov 2019 12:07

Tgt Ion: 95 Resp: 270766
Ion Ratio Lower Upper
95 100
174 78.5 0.0 158.2
176 75.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

Instrument :

MSVOA_N

ClientSampleId :

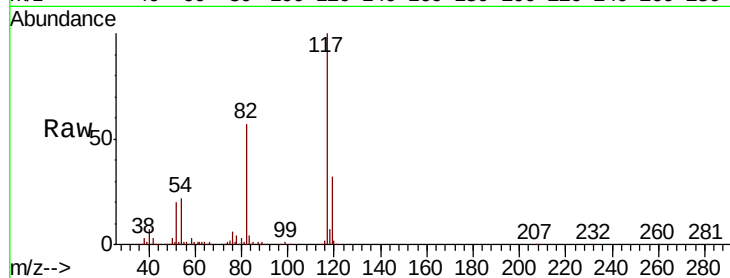
Tot Ion:117 Resp: 620713

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.8

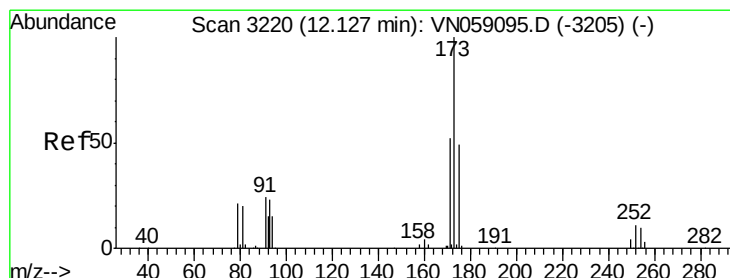
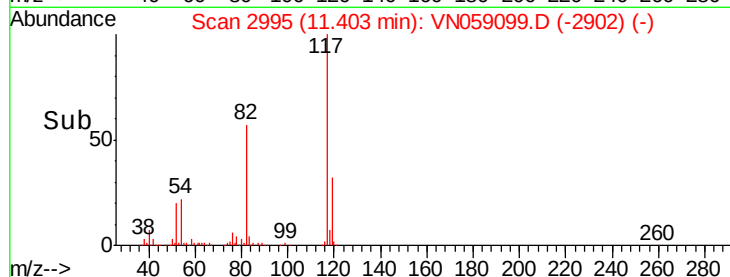
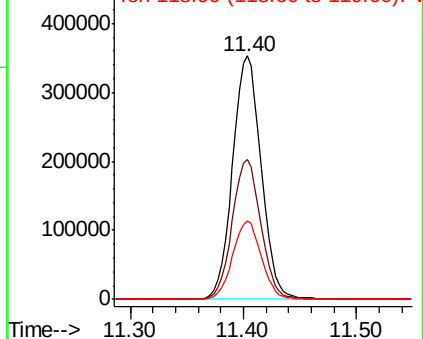
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.404 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

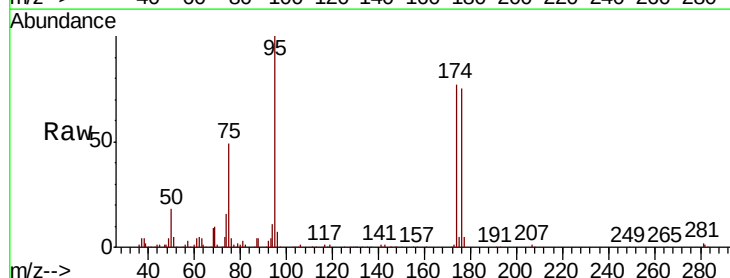
Tgt Ion:173 Resp: 1427

Ion Ratio Lower Upper

173 100

175 879.2 24.2 72.6#

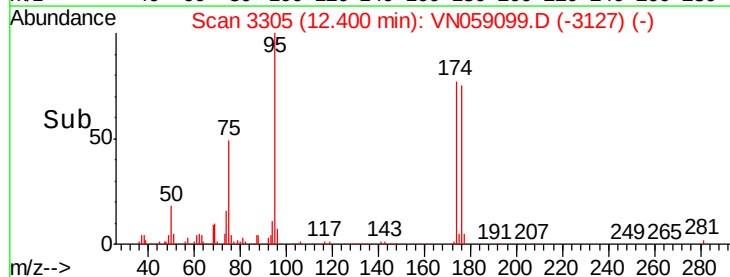
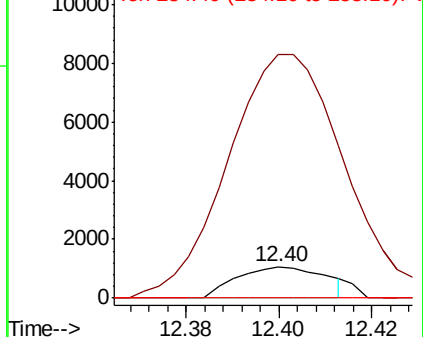
254 0.0 0.1 0.1#

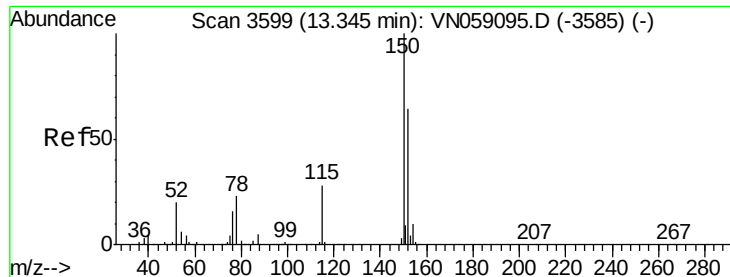


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



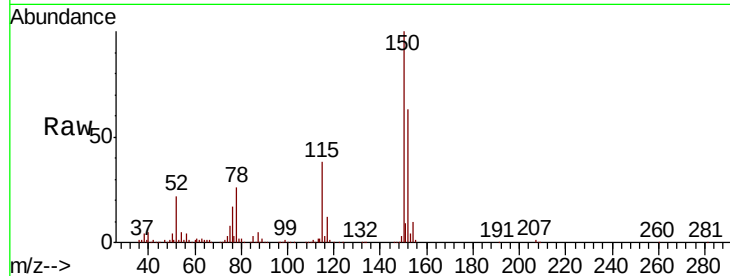


#72

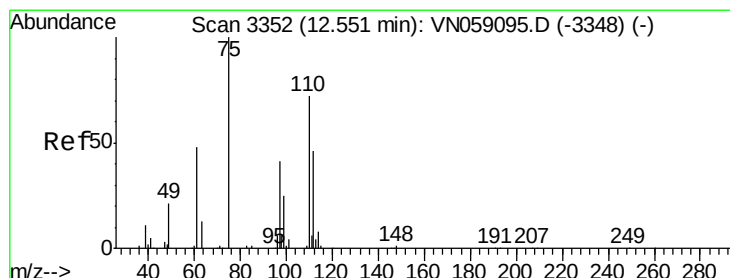
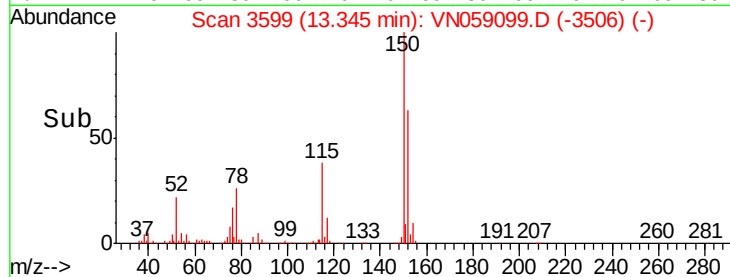
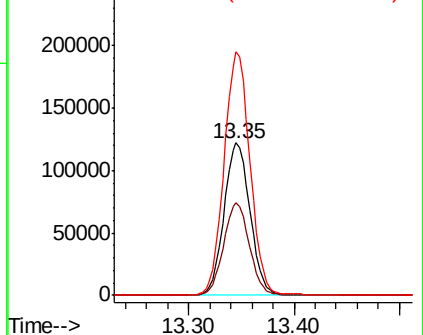
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059099.D
Acq: 6 Nov 2019 12:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.4	88.2
150	158.2	0.0	345.8



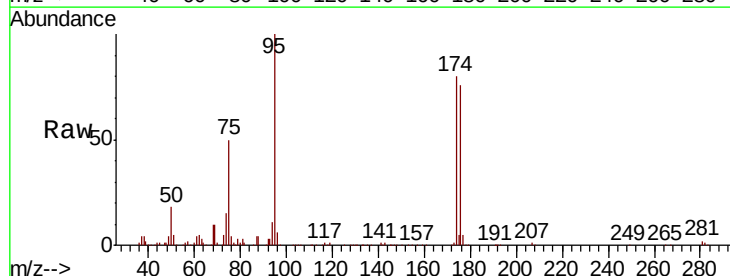
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



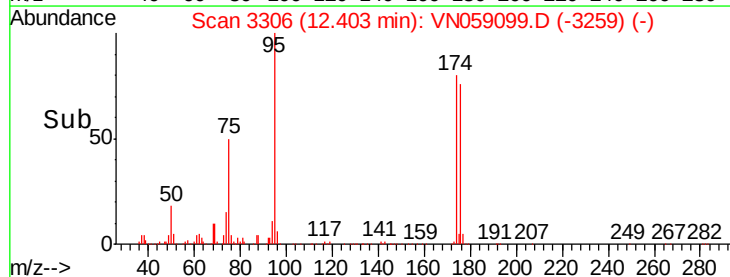
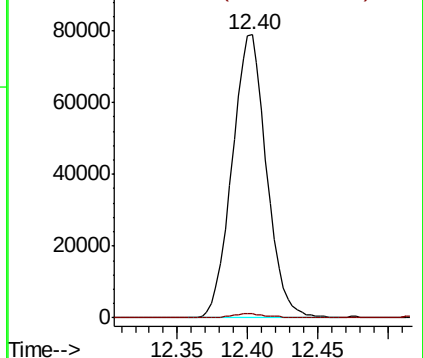
#76

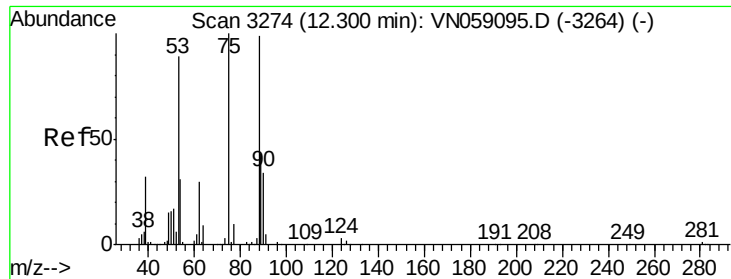
1,2,3-Trichloropropane
Concen: 28.352 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN059099.D
Acq: 6 Nov 2019 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

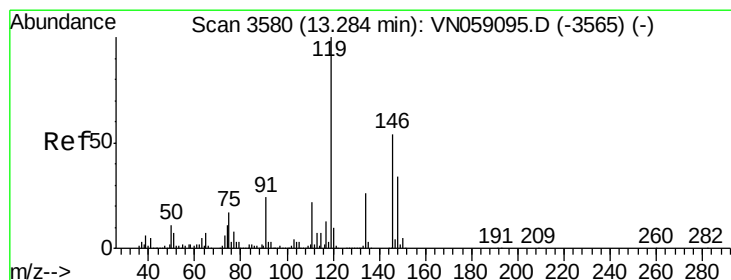
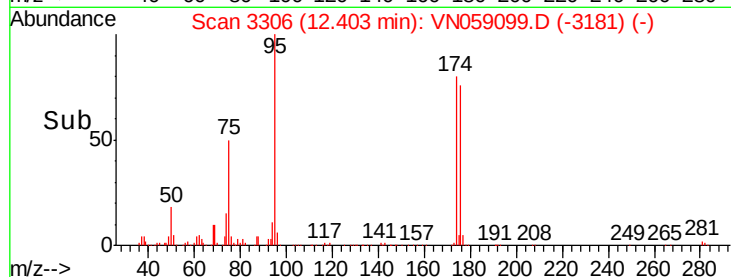
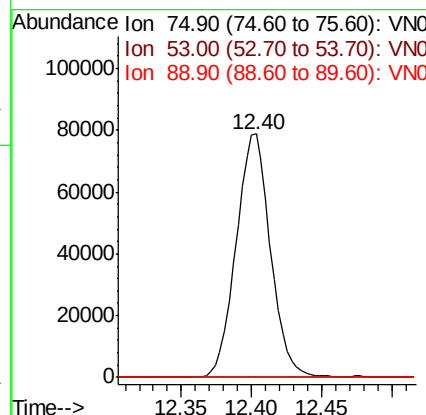
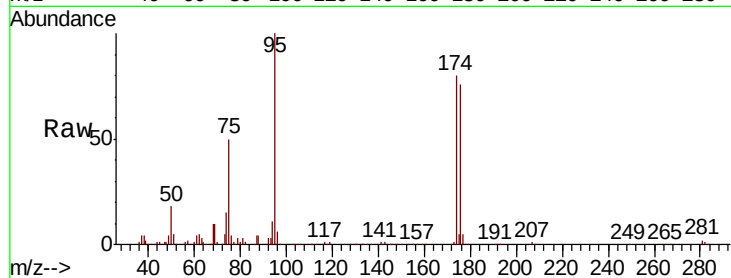




#81
trans-1,4-Dichloro-2-butene
Concen: 74.887 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN059099.D
Acq: 6 Nov 2019 12:07

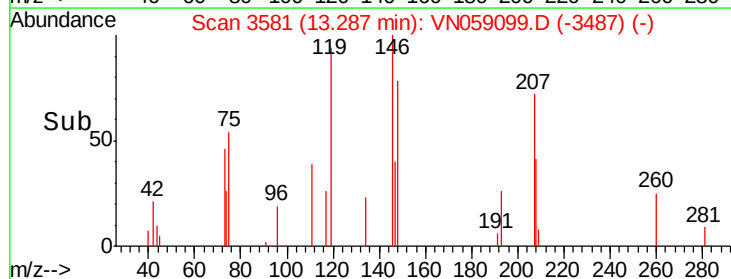
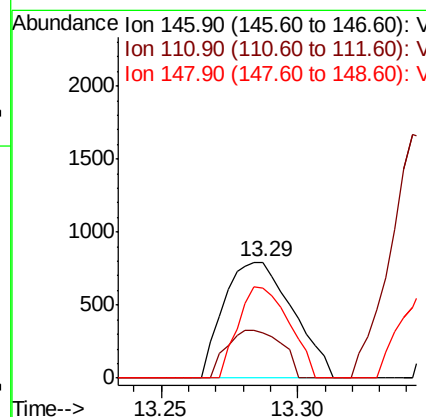
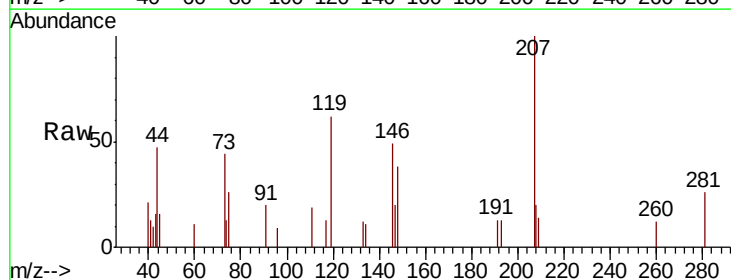
Instrument :
MSVOA_N
ClientSampled :

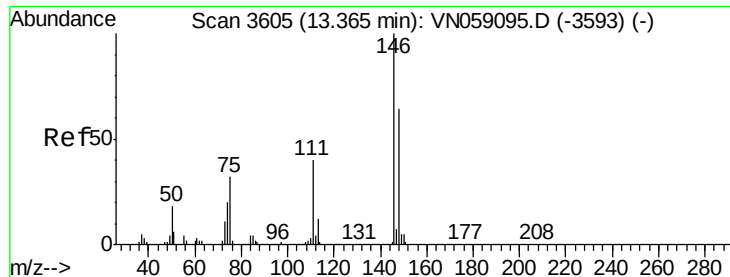
Tot Ion: 75 Resp: 134556
Ion Ratio Lower Upper
75 100
53 0.0 72.2 108.2#
89 0.0 35.8 53.8#



#87
1,3-Dichlorobenzene
Concen: 0.214 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN059099.D
Acq: 6 Nov 2019 12:07

Tgt Ion: 146 Resp: 1394
Ion Ratio Lower Upper
146 100
111 32.9 20.4 61.3
148 57.5 32.2 96.6





#88

1,4-Dichlorobenzene

Concen: 0.214 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

Instrument :

MSVOA_N

ClientSampled :

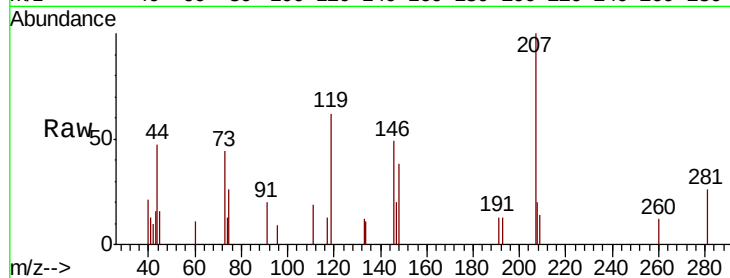
Tot Ion:146 Resp: 1394

Ion Ratio Lower Upper

146 100

111 32.9 20.3 60.9

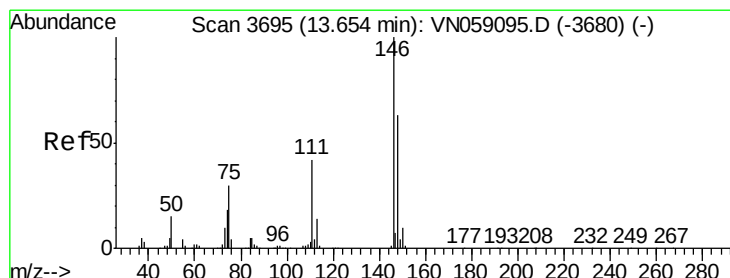
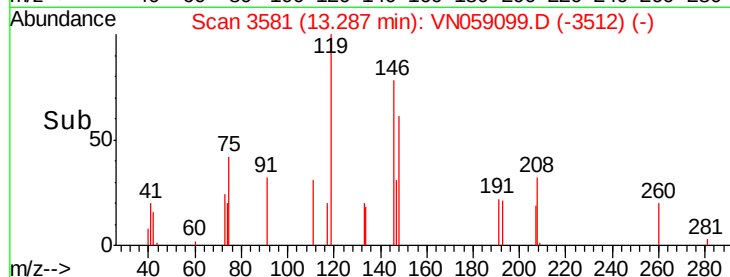
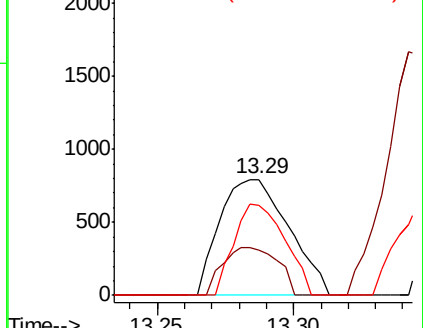
148 57.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.229 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN059099.D

Acq: 6 Nov 2019 12:07

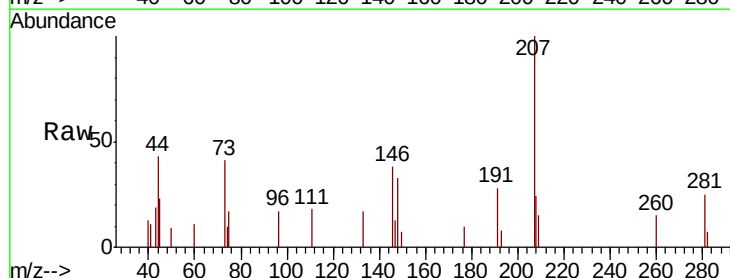
Tgt Ion:146 Resp: 1471

Ion Ratio Lower Upper

146 100

111 39.8 21.2 63.6

148 78.1 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

