

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103020\
 Data File : VN064398.D
 Acq On : 30 Oct 2020 14:30
 Operator : JC/MD
 Sample : L4560-02
 Misc : 5.09g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B308-B309-LOC1-SO-0002ME

Quant Time: Oct 30 15:37:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	200438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	355104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	351182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	156253	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	166368	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
35) Dibromofluoromethane	7.55	113	118349	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.06	98	434337	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.38	95	188391	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	

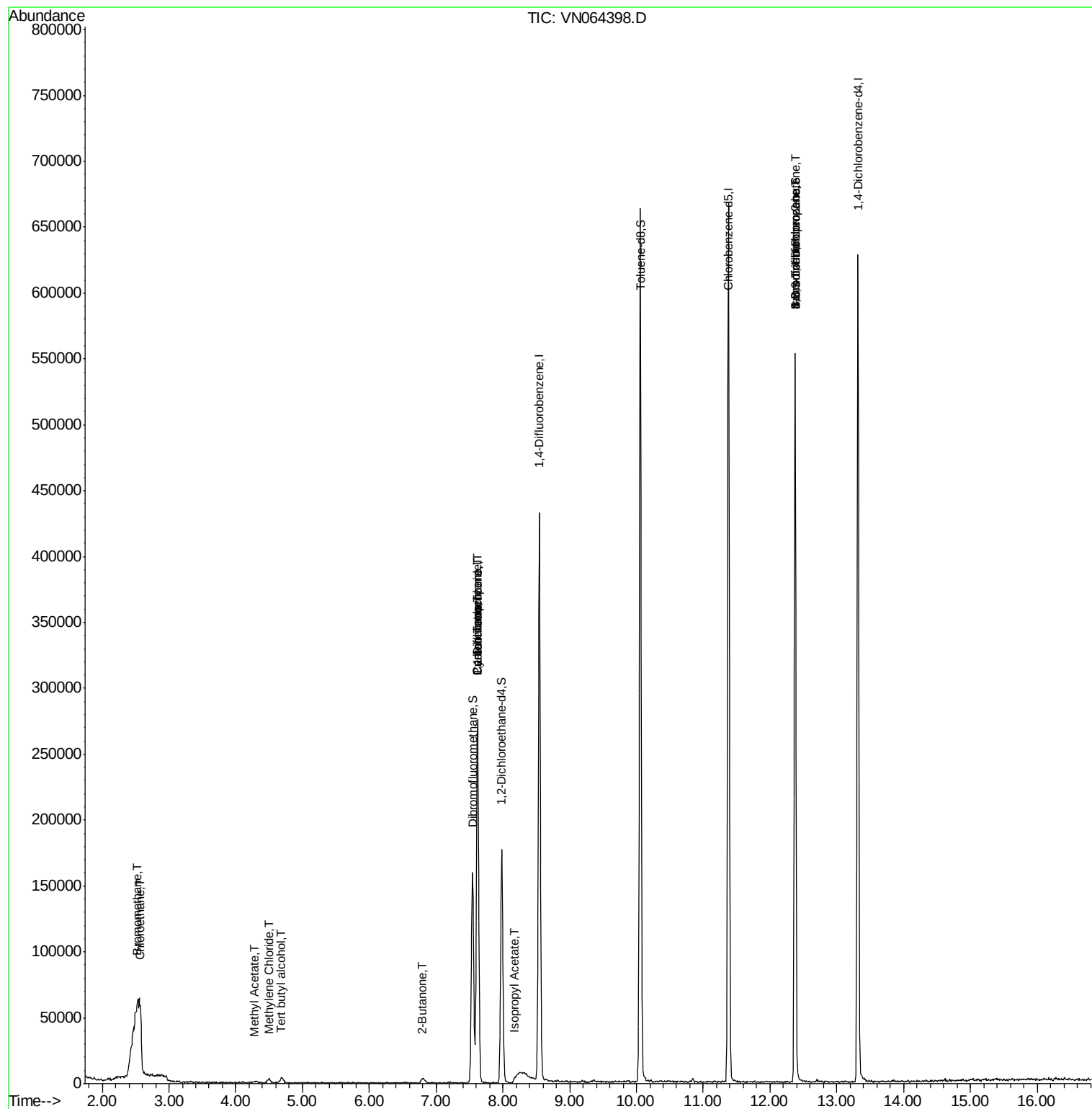
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.52	94	471	0.303	ug/l #	4
6) Chloroethane	2.57	64	600	0.417	ug/l #	57
11) Tert butyl alcohol	4.68	59	4463	9.545	ug/l #	70
16) Acetone	3.76	43	164	Below Cal	#	47
18) Methyl Acetate	4.28	43	1290	0.533	ug/l #	55
20) Methylene Chloride	4.50	84	1205	0.528	ug/l #	61
25) 2-Butanone	6.78	43	1516	0.937	ug/l	99
31) Cyclohexane	7.62	56	4785	1.280	ug/l #	38
36) 1,1-Dichloropropene	7.62	75	18371	5.126	ug/l #	50
38) Carbon Tetrachloride	7.62	117	23695	5.703	ug/l #	19
43) Isopropyl Acetate	8.17	43	2866	0.463	ug/l #	57
71) Bromoform	12.37	173	1665	0.737	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	104876	28.028	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	104876	80.735	ug/l #	8

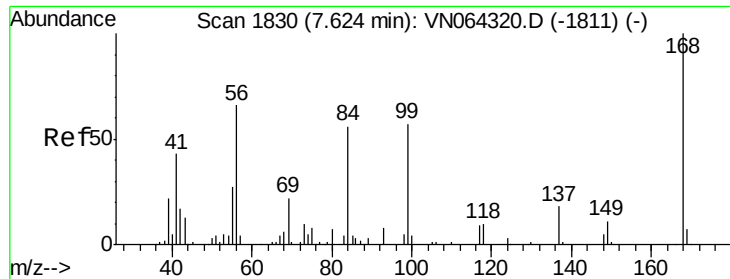
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

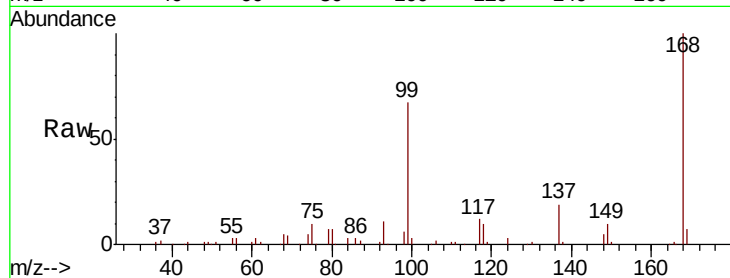
B308-B309-LOC1-SO-0002ME

Tot Ion:168 Resp: 200438

Ion Ratio Lower Upper

168 100

99 67.0 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

80000

60000

40000

20000

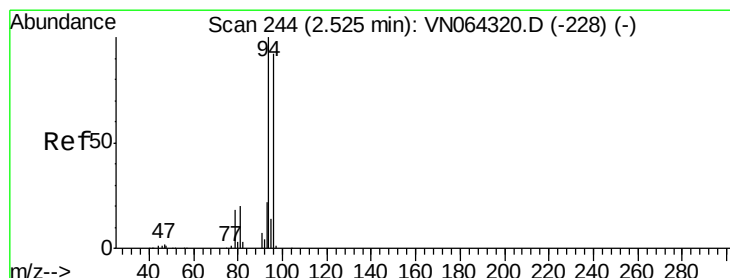
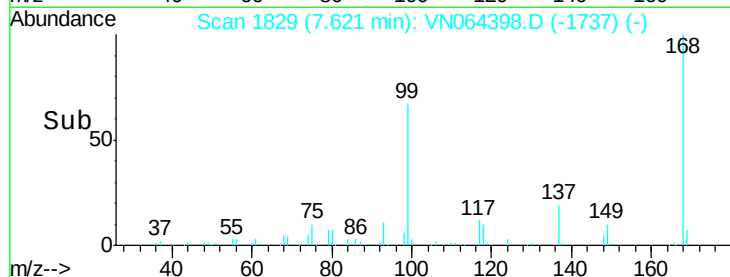
0

Time-->

7.50

7.60

7.70



#5

Bromomethane

Concen: 0.303 ug/l

RT: 2.52 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN064398.D

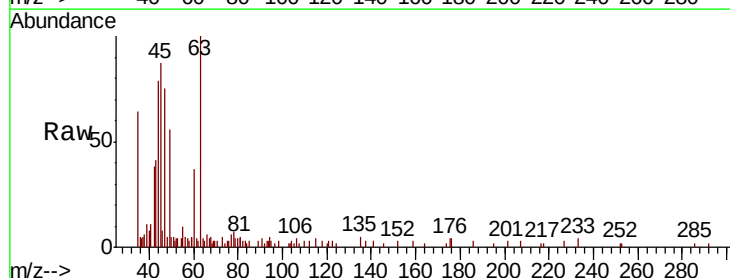
Acq: 30 Oct 2020 14:30

Tgt Ion: 94 Resp: 471

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

600

500

400

300

200

100

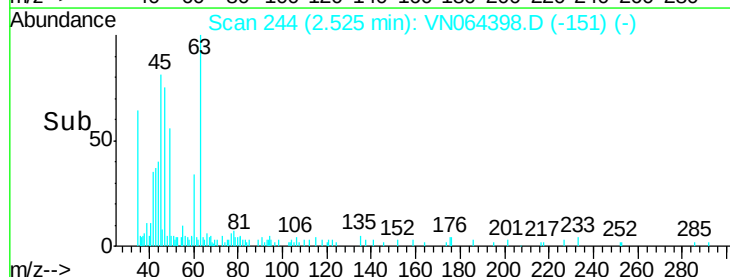
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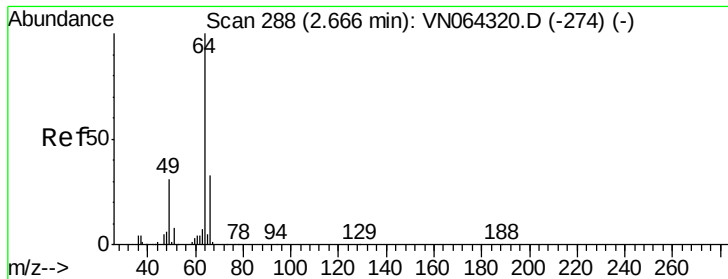
Time-->

2.50

2.52

2.54





#6

Chloroethane

Concen: 0.417 ug/l

RT: 2.57 min Scan# 259

Delta R.T. -0.09 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

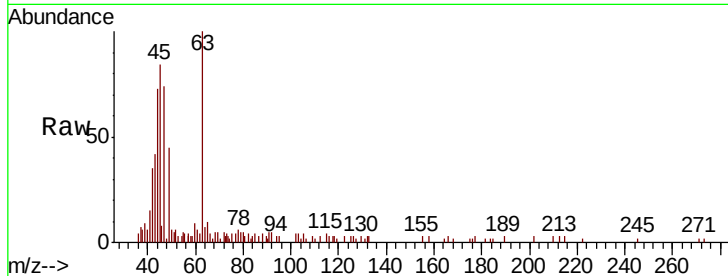
B308-B309-LOC1-SO-0002ME

Tot Ion: 64 Resp: 600

Ion Ratio Lower Upper

64 100

66 57.7 26.5 39.7#

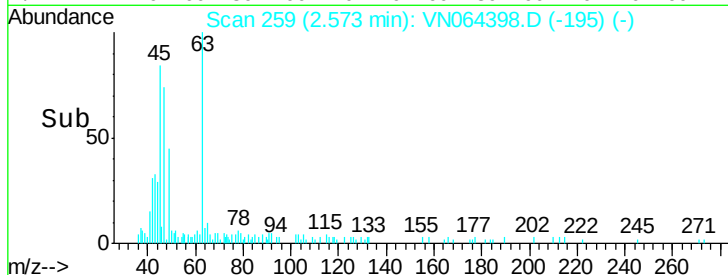


Abundance Ion 63.90 (63.60 to 64.60): VN0

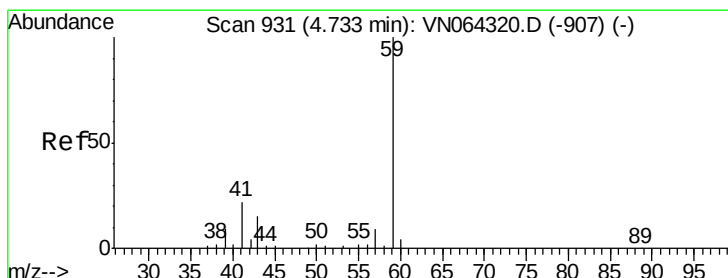
Ion 65.90 (65.60 to 66.60): VN0

2.57

Time-->



Time-->



#11

Tert butyl alcohol

Concen: 9.545 ug/l

RT: 4.68 min Scan# 915

Delta R.T. -0.05 min

Lab File: VN064398.D

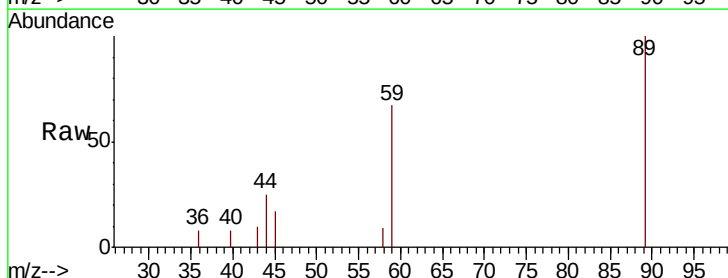
Acq: 30 Oct 2020 14:30

Tgt Ion: 59 Resp: 4463

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.0#

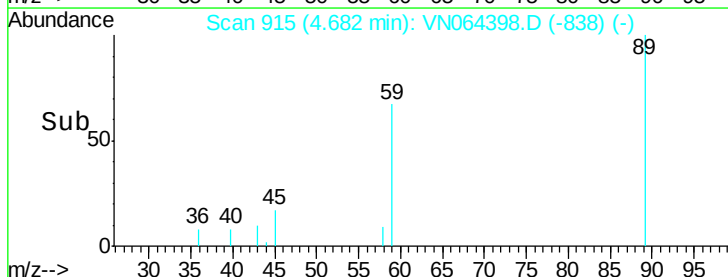


Abundance Ion 59.00 (58.70 to 59.70): VN0

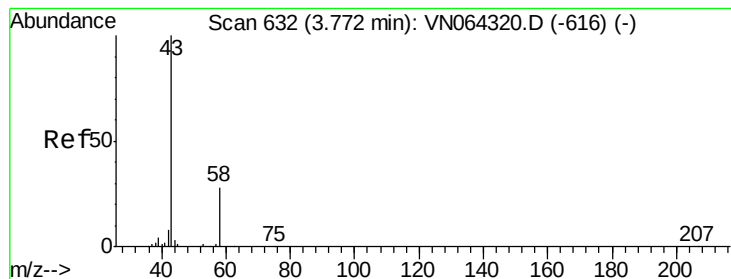
Ion 57.00 (56.70 to 57.70): VN0

4.68

Time-->



Time-->



#16

Acetone

Concen: Below Cal

RT: 3.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

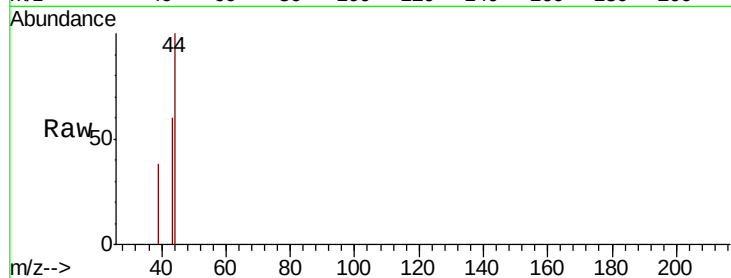
B308-B309-LOC1-SO-0002ME

Tot Ion: 43 Resp: 164

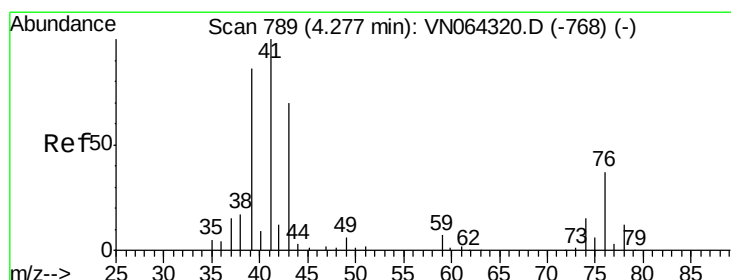
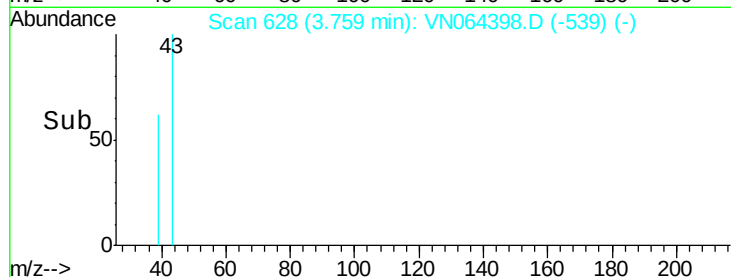
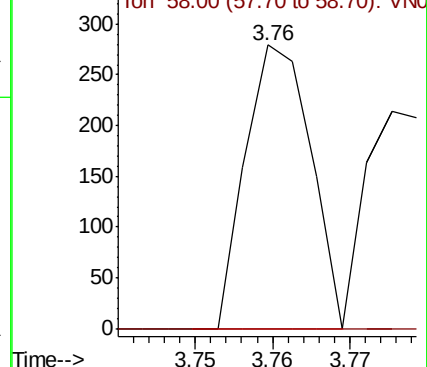
Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064398.D (-539) (-)



#18

Methyl Acetate

Concen: 0.533 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064398.D

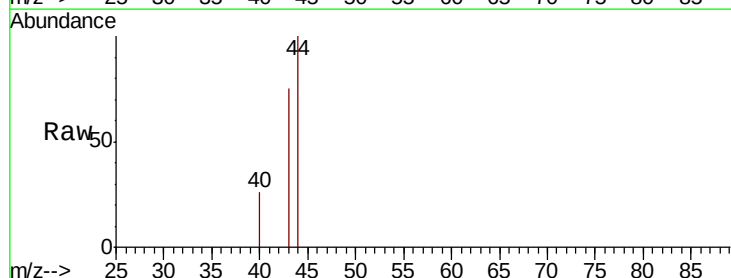
Acq: 30 Oct 2020 14:30

Tgt Ion: 43 Resp: 1290

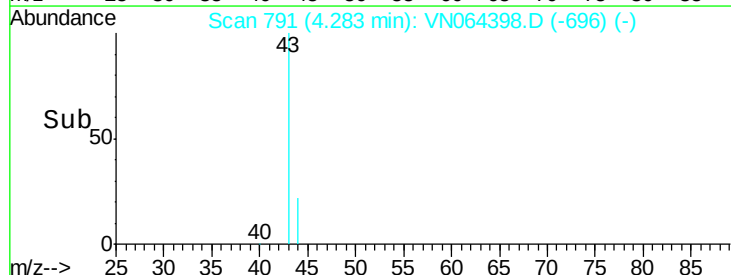
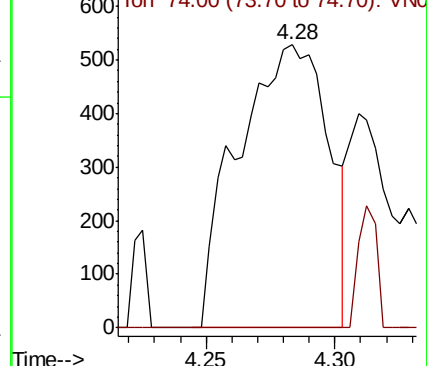
Ion Ratio Lower Upper

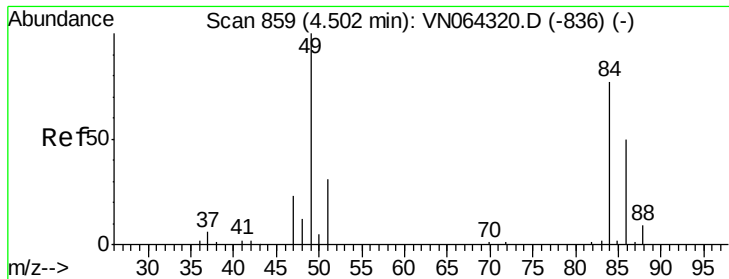
43 100

74 0.0 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064398.D (-696) (-)

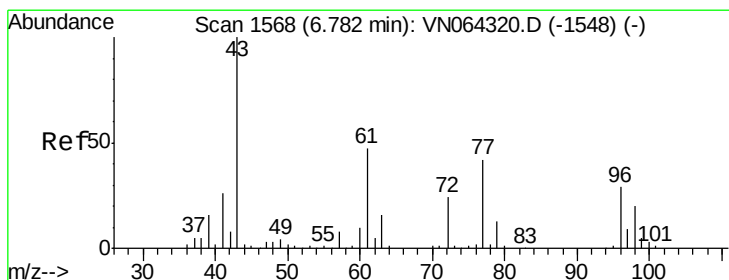
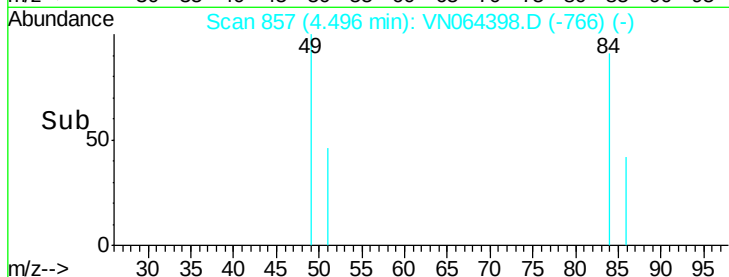
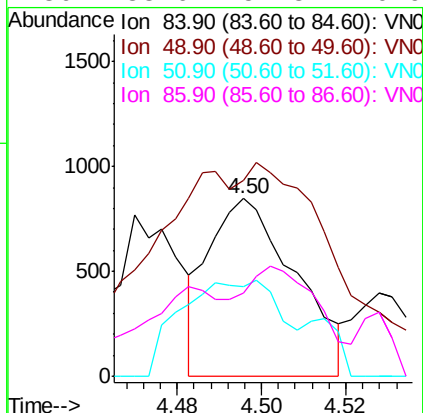
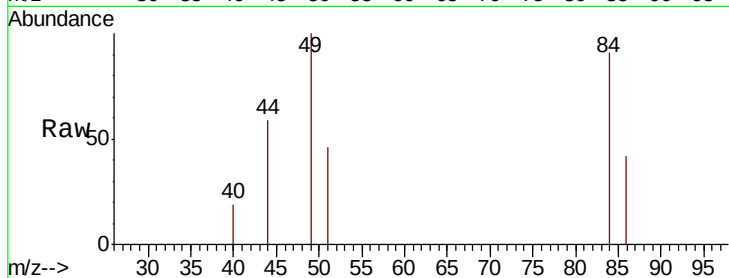




#20
Methvlene Chloride
Concen: 0.528 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064398.D
Acq: 30 Oct 2020 14:30

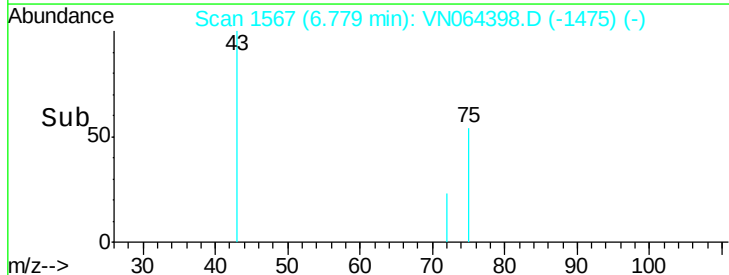
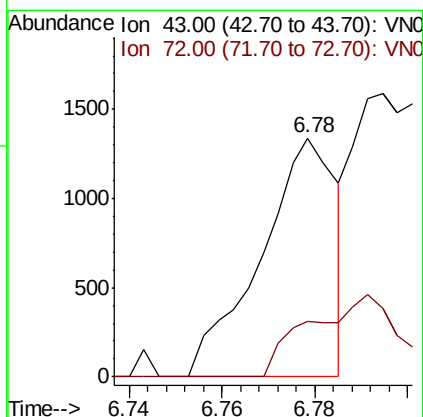
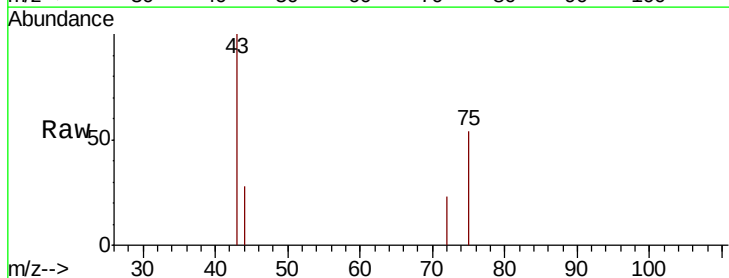
Instrument :
MSVOA_N
ClientSampleId :
B308-B309-LOC1-SO-0002ME

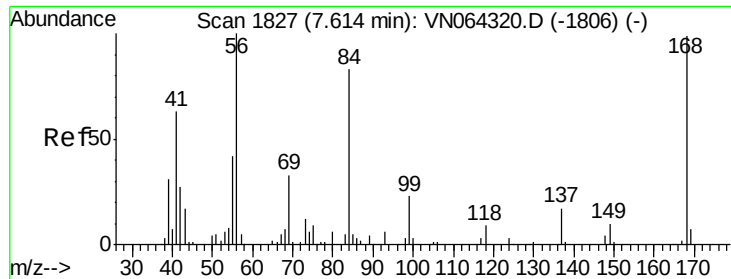
Tot Ion: 84 Resp: 1205
Ion Ratio Lower Upper
84 100
49 69.1 103.6 155.4#
51 35.8 31.8 47.8
86 38.6 51.3 76.9#



#25
2-Butanone
Concen: 0.937 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN064398.D
Acq: 30 Oct 2020 14:30

Tgt Ion: 43 Resp: 1516
Ion Ratio Lower Upper
43 100
72 23.0 18.8 28.2

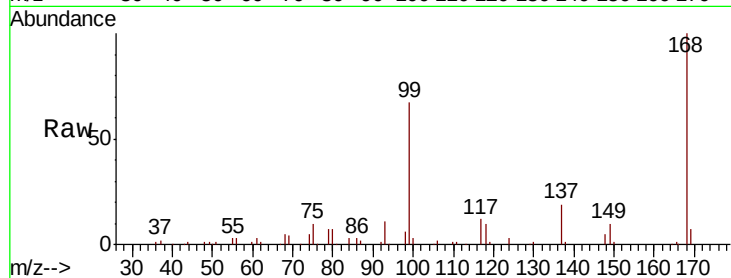




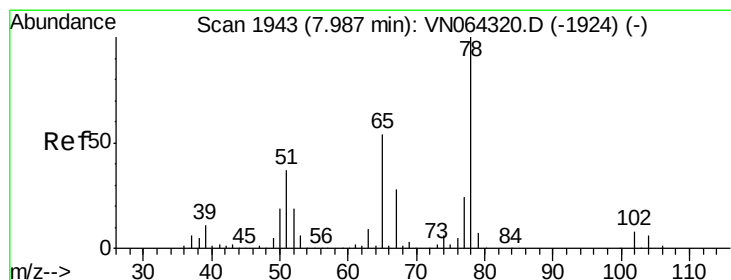
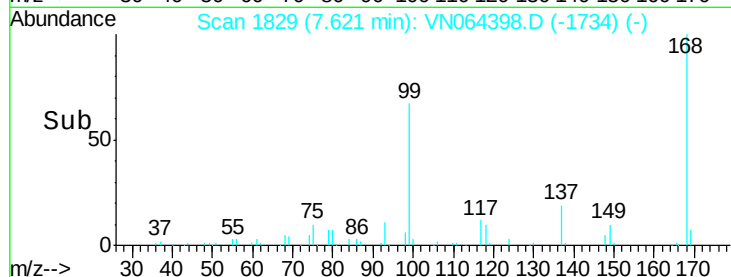
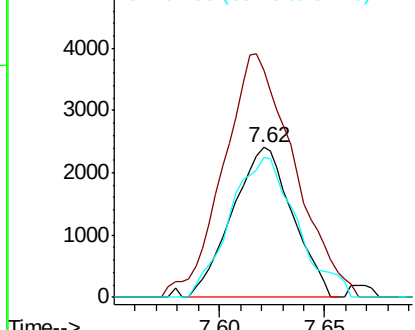
#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064398.D
Acq: 30 Oct 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
B308-B309-LOC1-SO-0002ME

Tot Ion: 56 Resp: 4785
Ion Ratio Lower Upper
56 100
69 139.4 25.8 38.8#
84 93.2 66.3 99.5

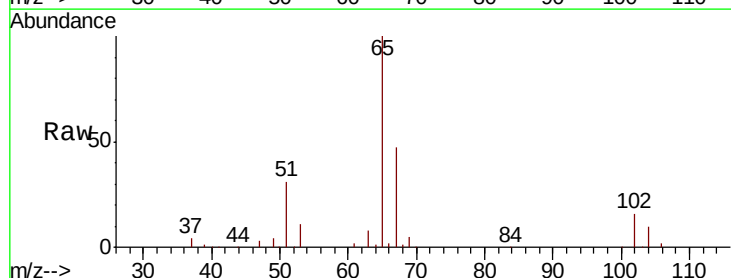


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

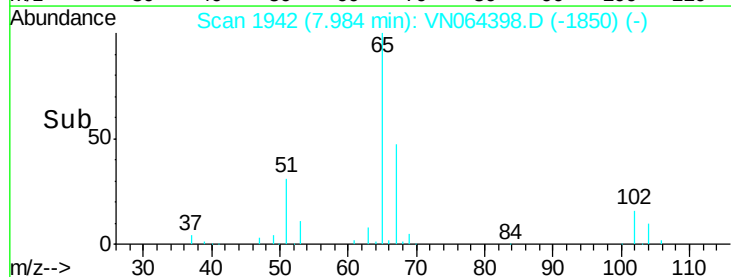
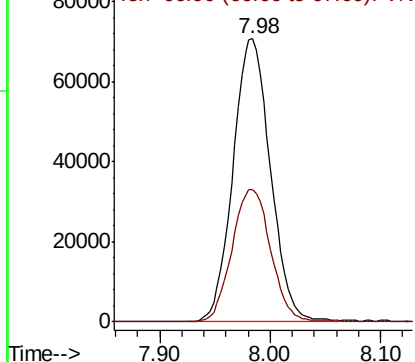


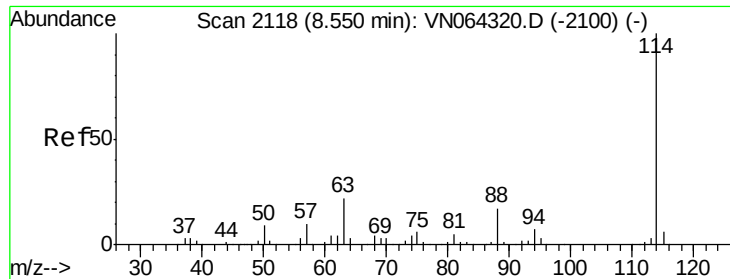
#33
1,2-Dichloroethane-d4
Concen: 51.651 ug/l
RT: 7.98 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN064398.D
Acq: 30 Oct 2020 14:30

Tgt Ion: 65 Resp: 166368
Ion Ratio Lower Upper
65 100
67 48.4 0.0 99.2



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

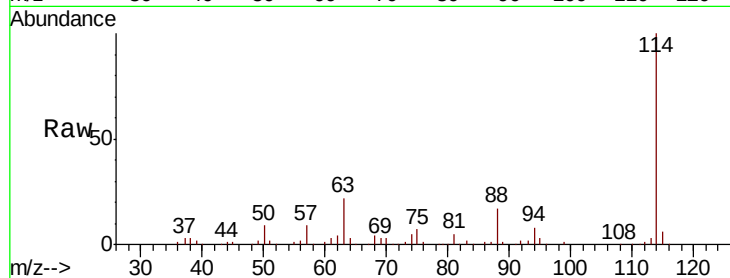




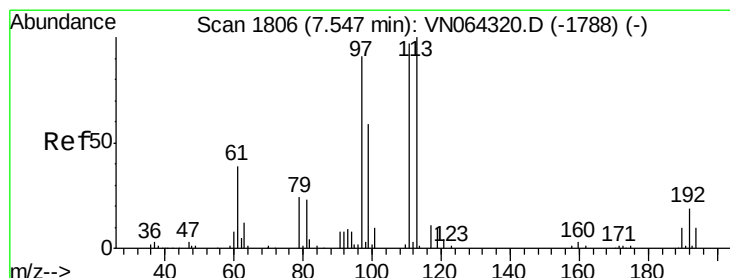
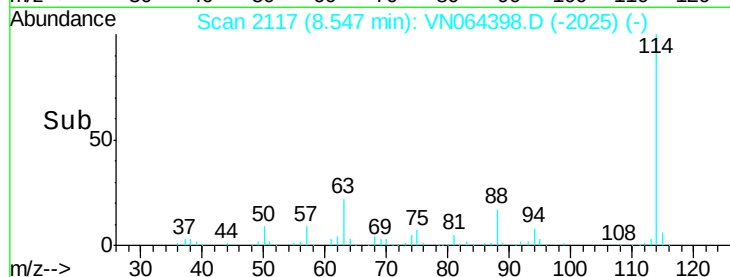
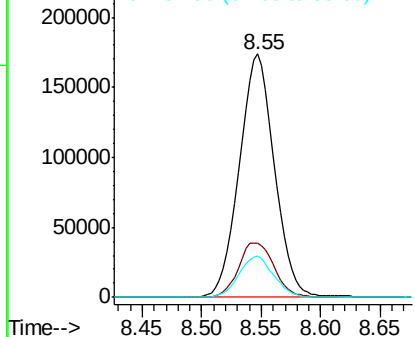
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN064398.D
Acq: 30 Oct 2020 14:30

Instrument :
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B308-B309-LOC1-SO-0002ME

Tot Ion:114 Resp: 355104
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.6
88 16.8 0.0 33.4

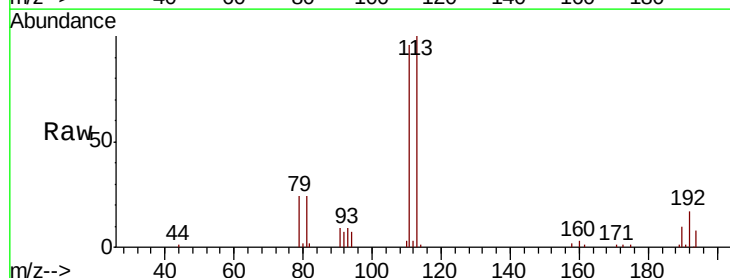


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

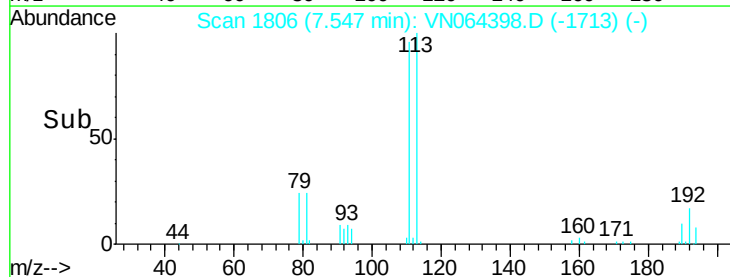
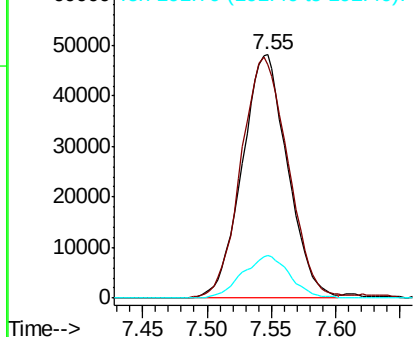


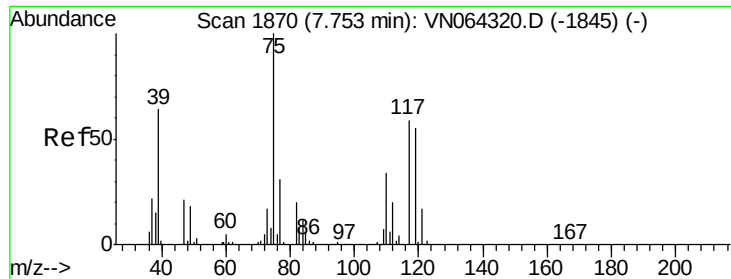
#35
Dibromofluoromethane
Concen: 49.976 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN064398.D
Acq: 30 Oct 2020 14:30

Tgt Ion:113 Resp: 118349
Ion Ratio Lower Upper
113 100
111 102.5 81.5 122.3
192 18.1 15.0 22.4



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: 5.126 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

B308-B309-LOC1-SO-0002ME

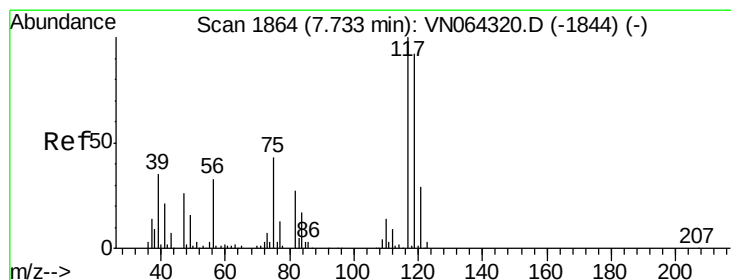
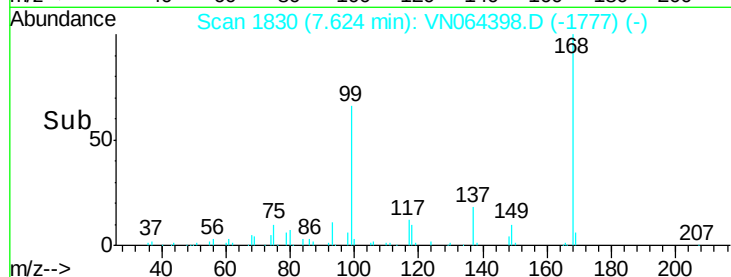
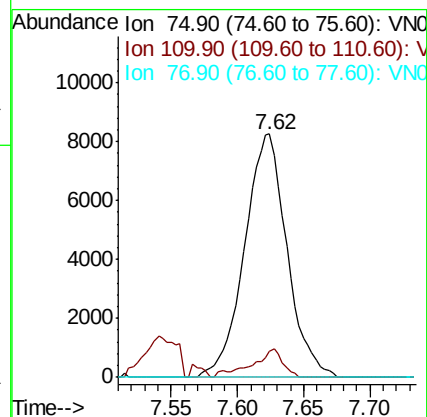
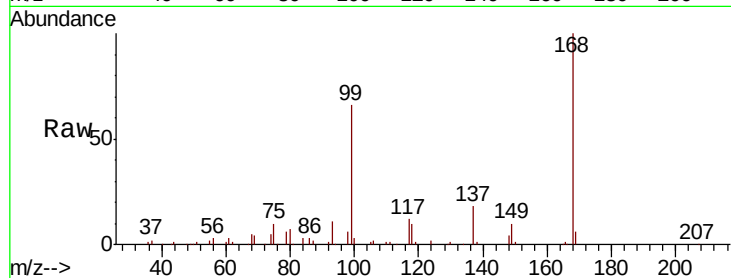
Tot Ion: 75 Resp: 18371

Ion Ratio Lower Upper

75 100

110 8.5 16.8 50.3#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.703 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

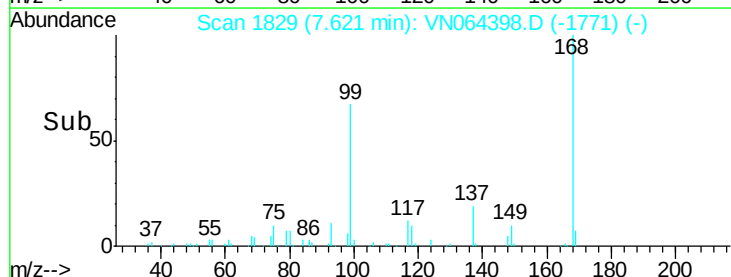
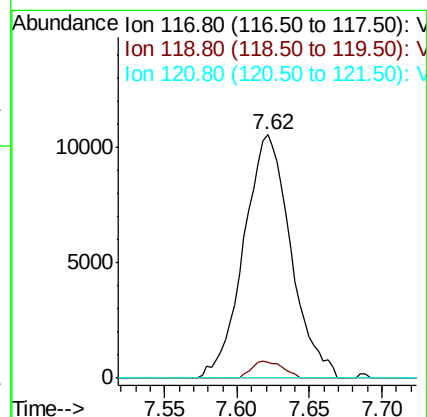
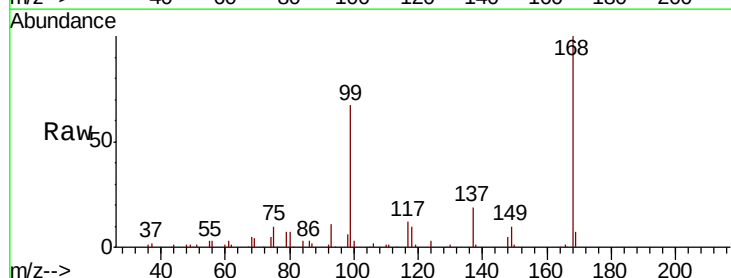
Tgt Ion: 117 Resp: 23695

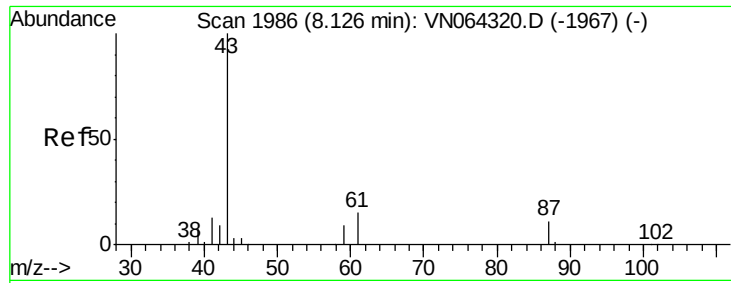
Ion Ratio Lower Upper

117 100

119 6.5 73.7 110.5#

121 0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 0.463 ug/l

RT: 8.17 min Scan# 2001

Delta R.T. 0.05 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

B308-B309-LOC1-SO-0002ME

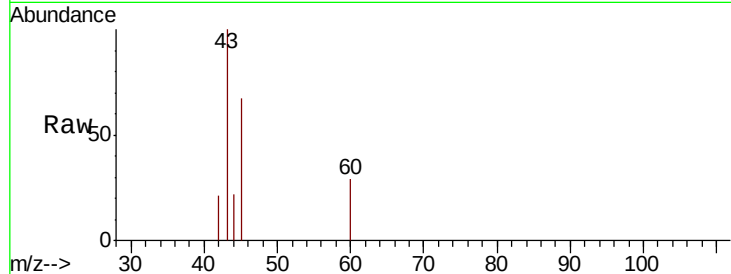
Tot Ion: 43 Resp: 2866

Ion Ratio Lower Upper

43 100

61 0.0 19.1 28.7#

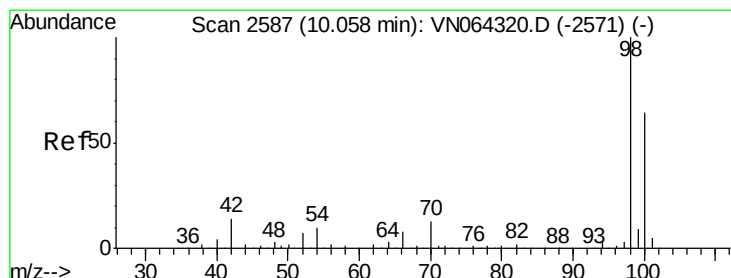
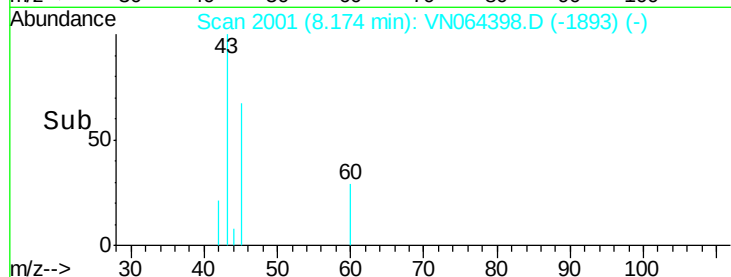
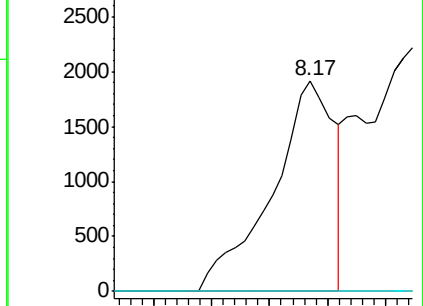
87 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.586 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064398.D

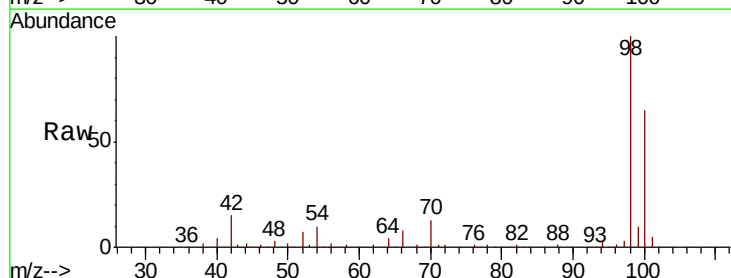
Acq: 30 Oct 2020 14:30

Tgt Ion: 98 Resp: 434337

Ion Ratio Lower Upper

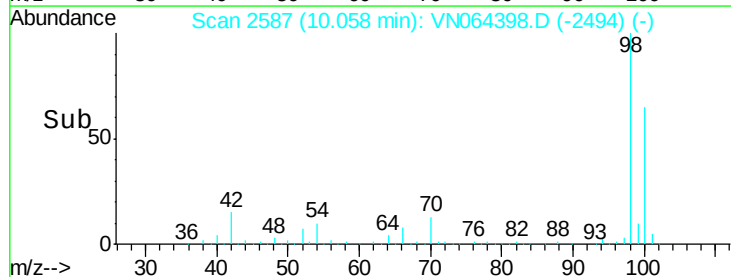
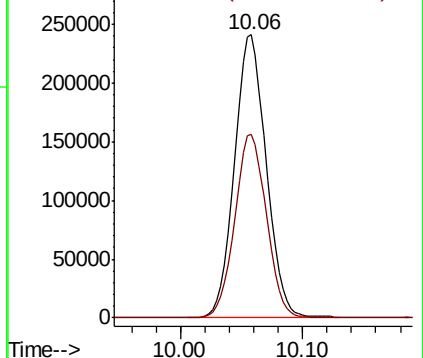
98 100

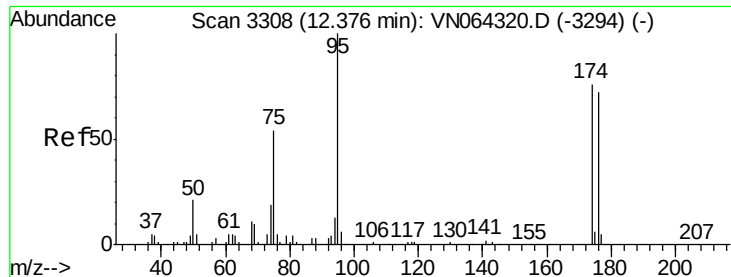
100 64.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

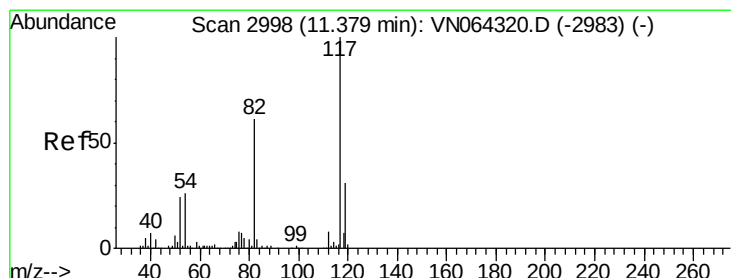
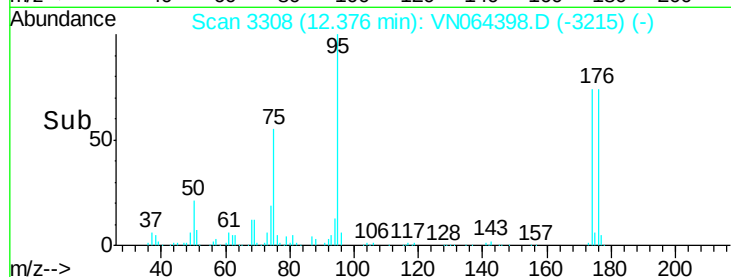
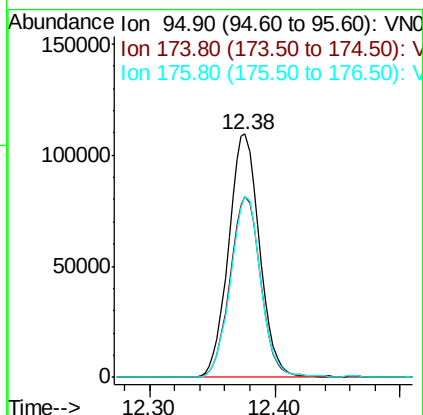
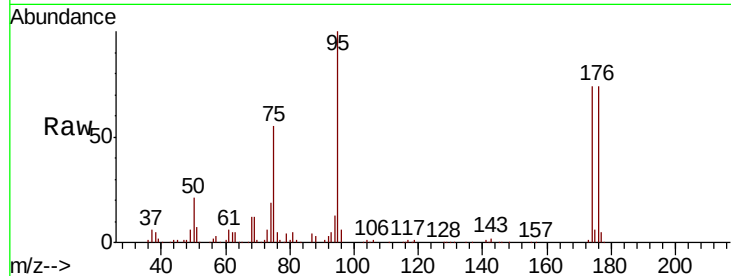




#62
4-Bromofluorobenzene
Concen: 55.163 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064398.D
Acq: 30 Oct 2020 14:30

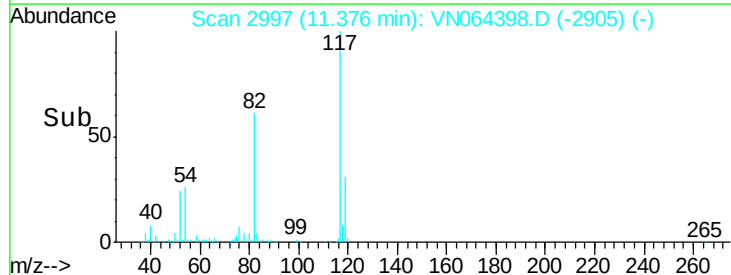
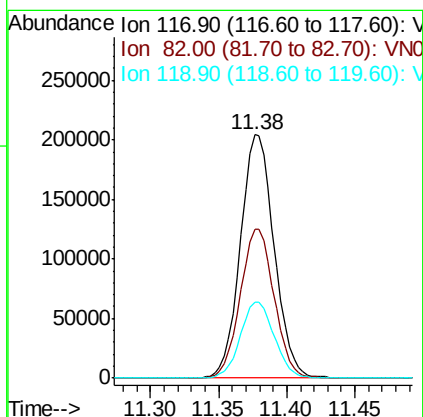
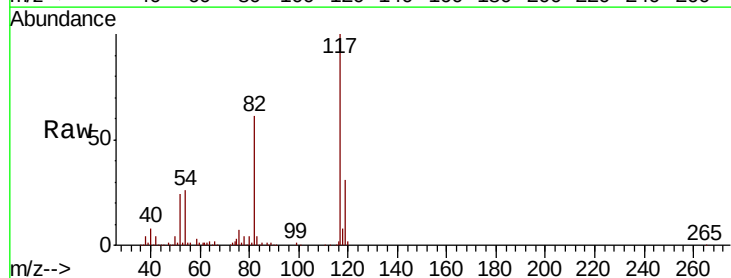
Instrument :
MSVOA_N
ClientSampleId :
B308-B309-LOC1-SO-0002ME

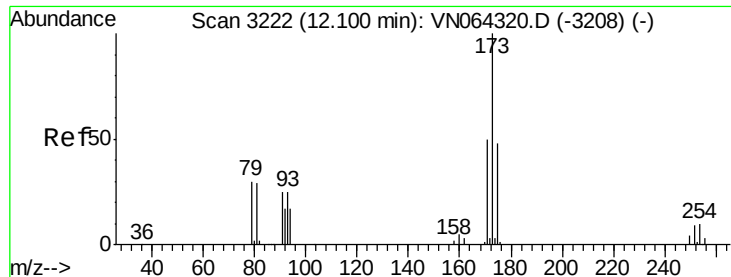
Tot Ion	95	Resp	188391
Ion Ratio	100		
Lower			
Upper			
174	73.1	0.0	147.4
176	72.4	0.0	143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064398.D
Acq: 30 Oct 2020 14:30

Tgt Ion	117	Resp	351182
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	61.0	48.8	73.2
119	31.1	25.1	37.7





#71

Bromoform

Concen: 0.737 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

B308-B309-LOC1-SO-0002ME

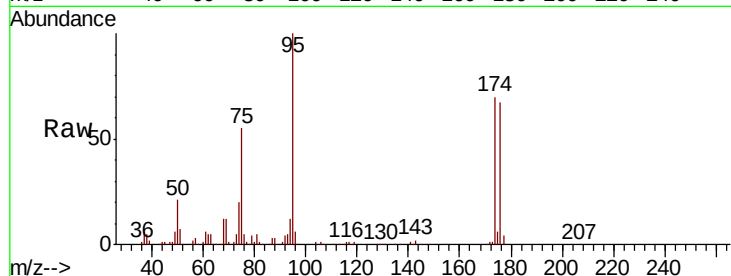
Tot Ion:173 Resp: 1665

Ion Ratio Lower Upper

173 100

175 541.0 25.4 76.0#

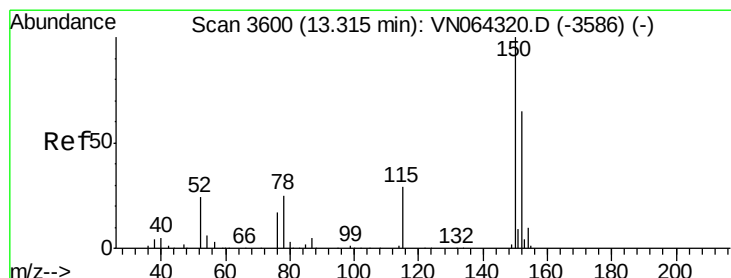
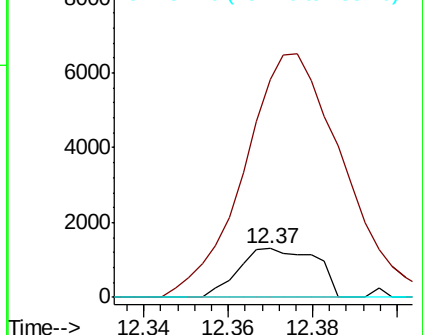
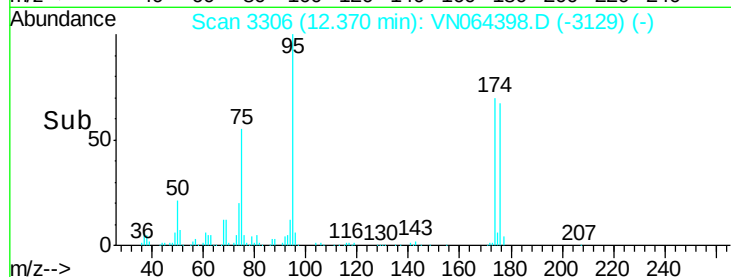
254 0.0 0.0 0.0



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: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

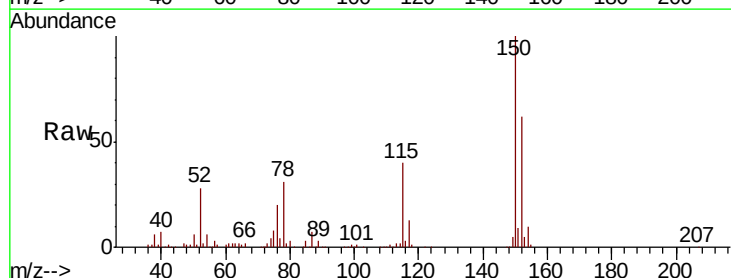
Tgt Ion:152 Resp: 156253

Ion Ratio Lower Upper

152 100

115 65.4 31.5 94.5

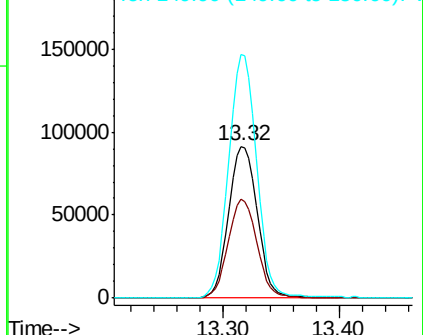
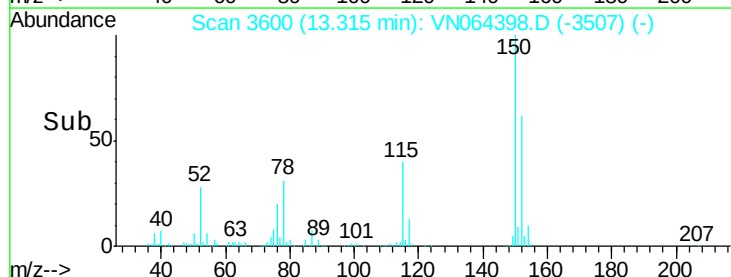
150 156.4 0.0 346.2

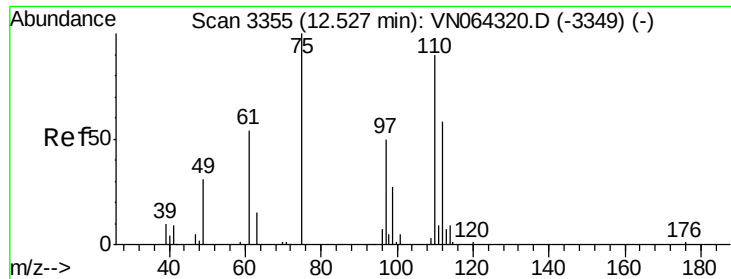


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.028 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

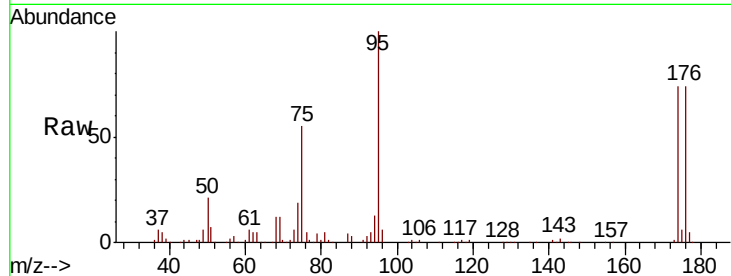
B308-B309-LOC1-SO-0002ME

Tot Ion: 75 Resp: 104876

Ion Ratio Lower Upper

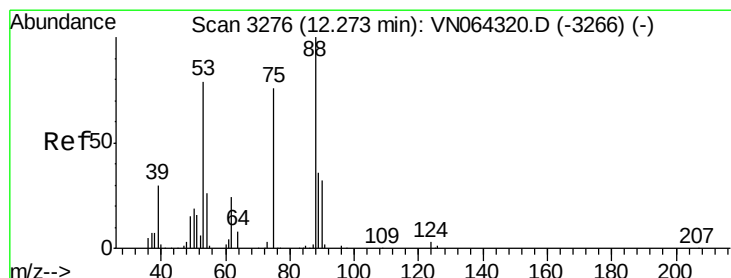
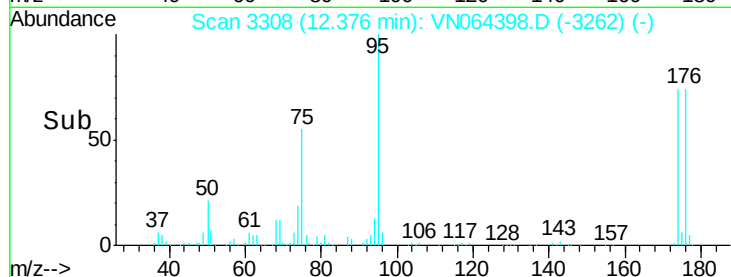
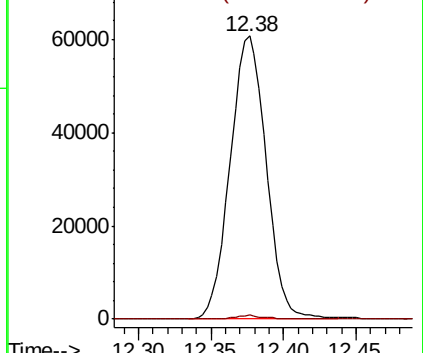
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 80.735 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064398.D

Acq: 30 Oct 2020 14:30

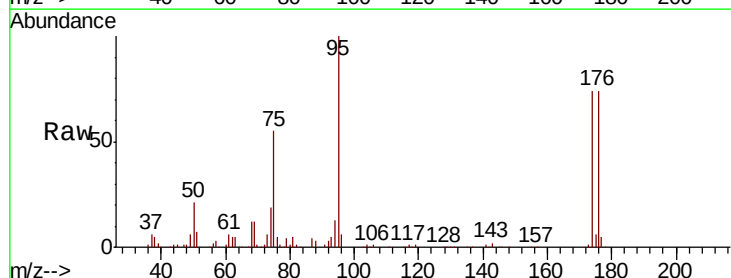
Tgt Ion: 75 Resp: 104876

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

89 0.0 39.9 59.9#



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

