

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058066.D
 Acq On : 14 Sep 2019 10:45
 Operator : JC/SP
 Sample : K4862-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 01:58:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	320361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	562885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	523710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272953	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	381238	58.75	ug/l	0.00
Spiked Amount			Recovery	=	117.50%	
35) Dibromofluoromethane	7.57	113	260639	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	10.09	98	1032670	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.40	95	343054	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	

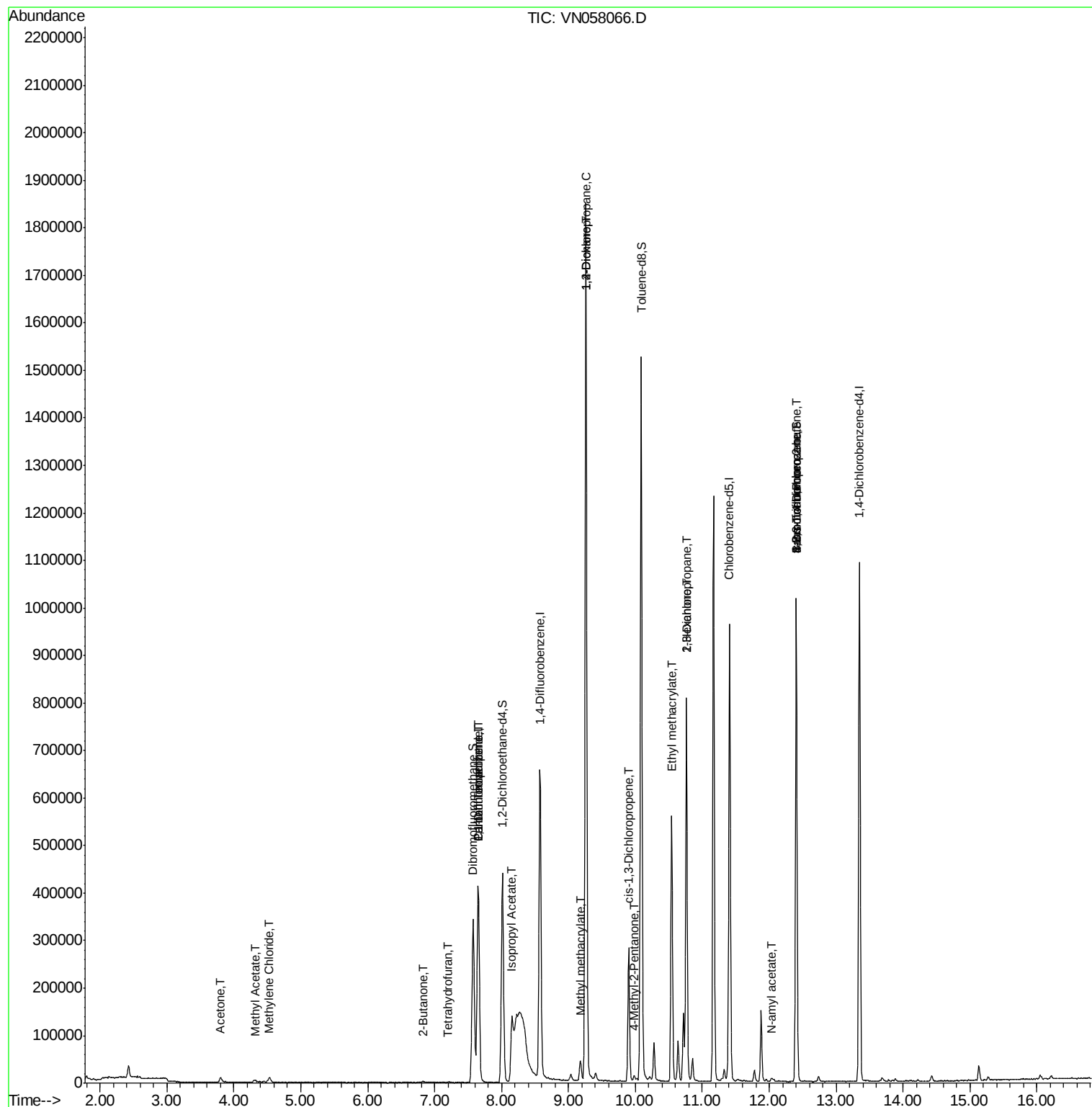
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	115	Below Cal		90
16) Acetone	3.80	43	16594	7.801	ug/l #	82
18) Methyl Acetate	4.32	43	8081	1.425	ug/l	94
20) Methylene Chloride	4.53	84	7291	0.584	ug/l	95
25) 2-Butanone	6.82	43	2478	0.805	ug/l #	85
29) Tetrahydrofuran	7.19	42	1073	0.566	ug/l #	71
31) Cyclohexane	7.65	56	8880	Below Cal	#	33
36) 1,1-Dichloropropene	7.65	75	27475	4.209	ug/l #	51
38) Carbon Tetrachloride	7.65	117	32779	5.500	ug/l #	17
43) Isopropyl Acetate	8.16	43	170197	15.006	ug/l #	80
45) 1,2-Dichloropropane	9.26	63	2021	0.353	ug/l #	44
48) Methyl methacrylate	9.17	41	6981	1.213	ug/l #	13
49) 1,4-Dioxane	9.26	88	206	2.117	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	8746	1.303	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	47652	5.939	ug/l #	64
56) Ethyl methacrylate	10.54	69	1768	0.224	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7548	0.835	ug/l #	43
59) 2-Hexanone	10.76	43	120916	24.035	ug/l #	53
71) Bromoform	12.40	173	2676	0.903	ug/l #	1
74) N-amyl acetate	12.04	43	6719	0.729	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	186662	30.230	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	186662	106.381	ug/l #	6

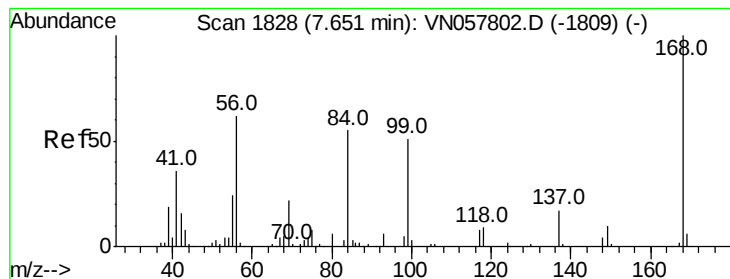
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091419\
Data File : VN058066.D
Acq On : 14 Sep 2019 10:45
Operator : JC/SP
Sample : K4862-11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 69 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 16 01:58:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

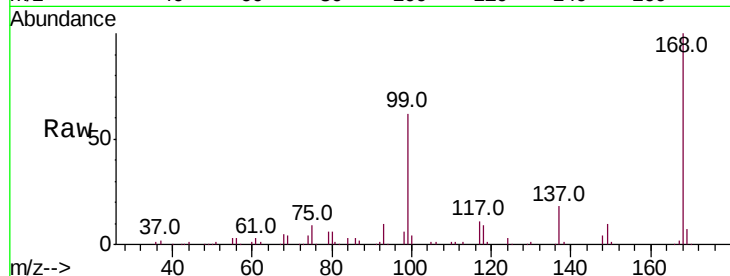
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 320361

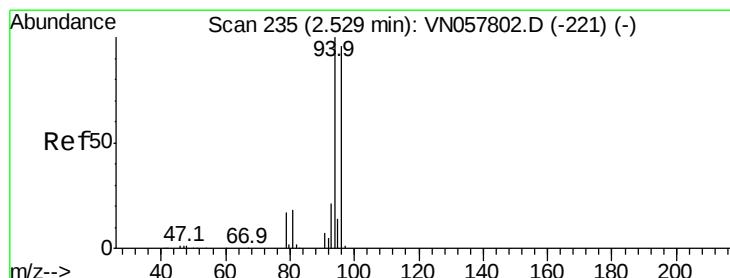
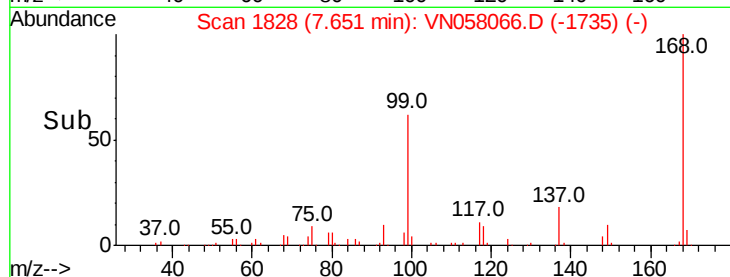
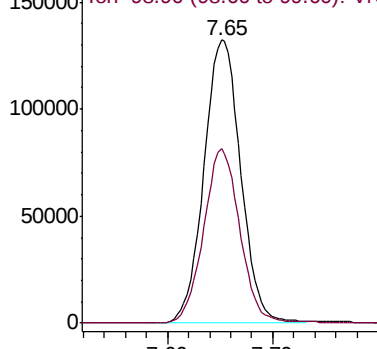
Ion Ratio Lower Upper

168 100

99 61.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 243

Delta R.T. 0.03 min

Lab File: VN058066.D

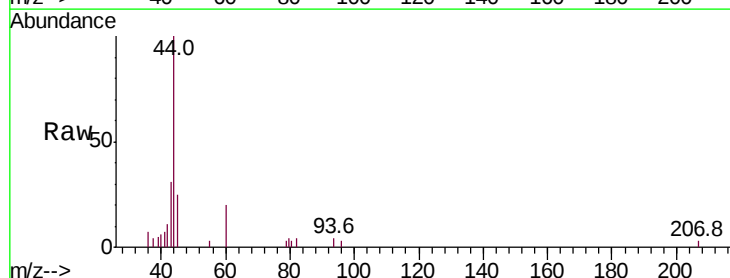
Acq: 14 Sep 2019 10:45

Tgt Ion: 94 Resp: 115

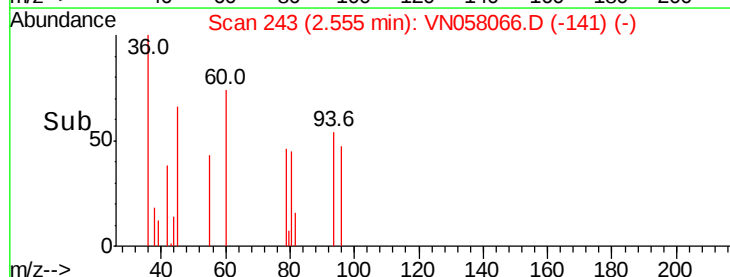
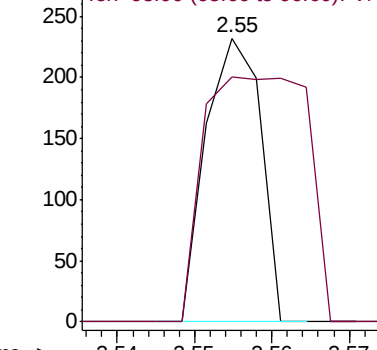
Ion Ratio Lower Upper

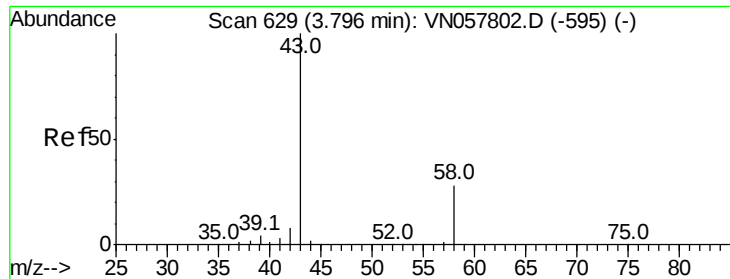
94 100

96 86.6 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

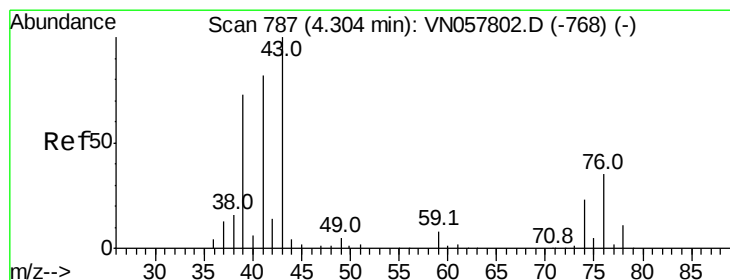
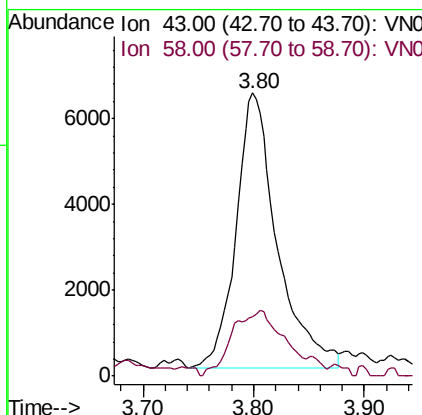
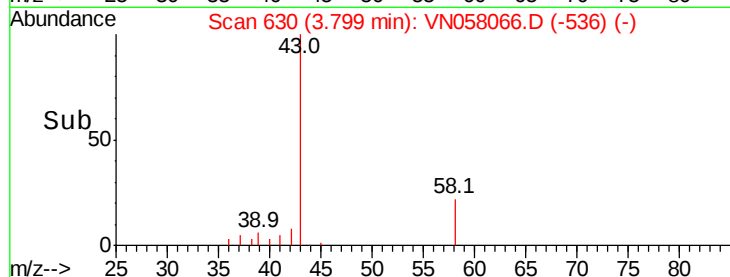
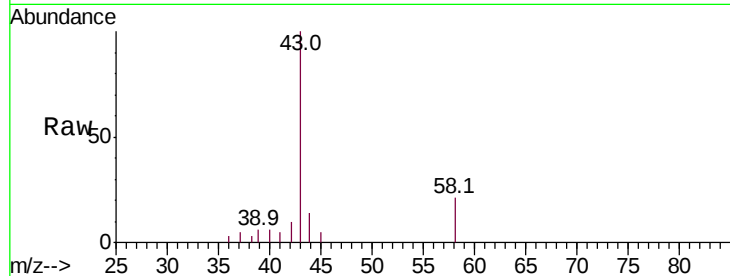




#16
Acetone
Concen: 7.801 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.00 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

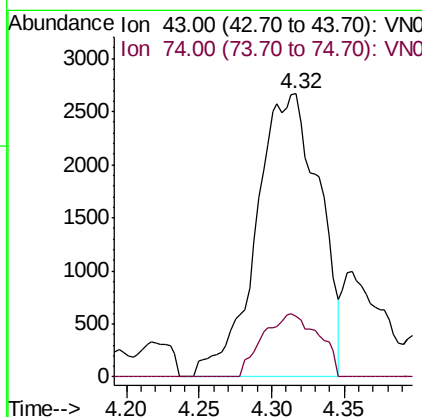
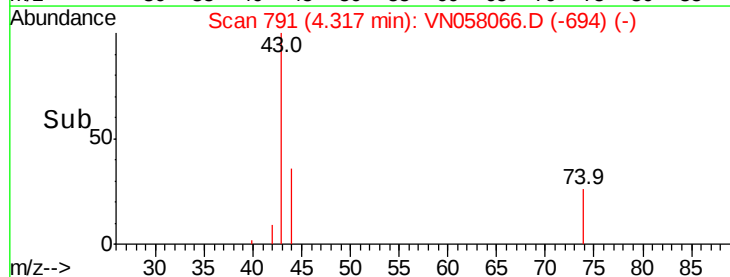
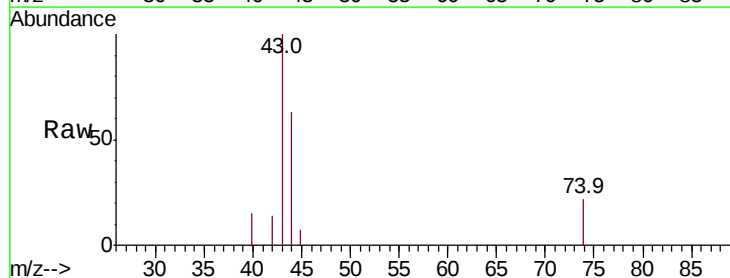
Instrument :
MSVOA_N
ClientSampled :

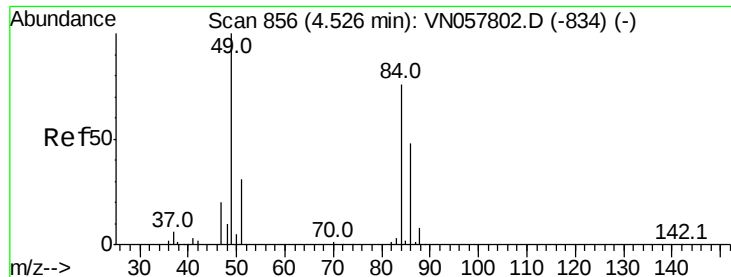
Tot Ion: 43 Resp: 16594
Ion Ratio Lower Upper
43 100
58 18.5 22.2 33.2#



#18
Methyl Acetate
Concen: 1.425 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

Tgt Ion: 43 Resp: 8081
Ion Ratio Lower Upper
43 100
74 19.6 17.9 26.9

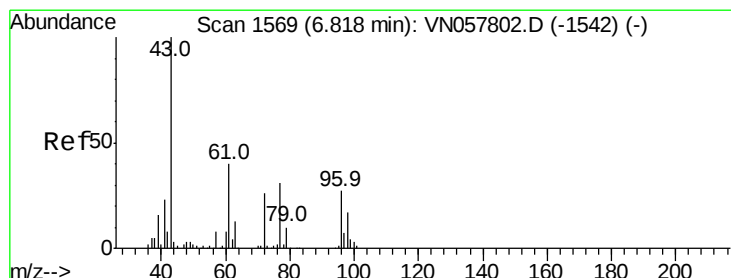
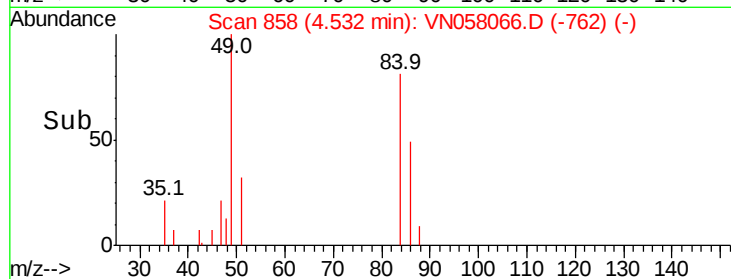
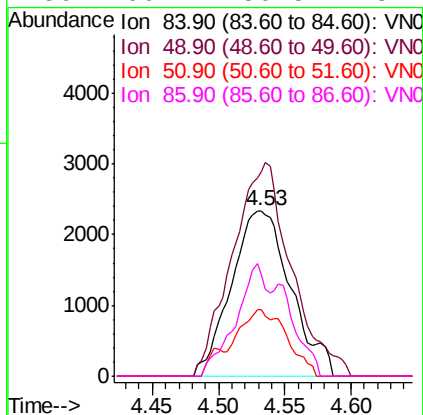
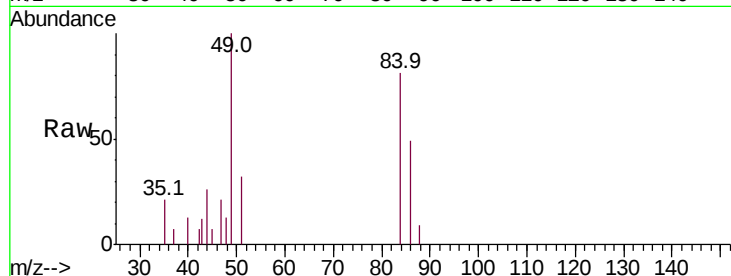




#20
Methylene Chloride
Concen: 0.584 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

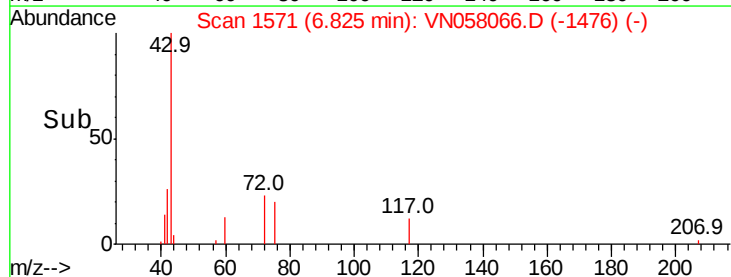
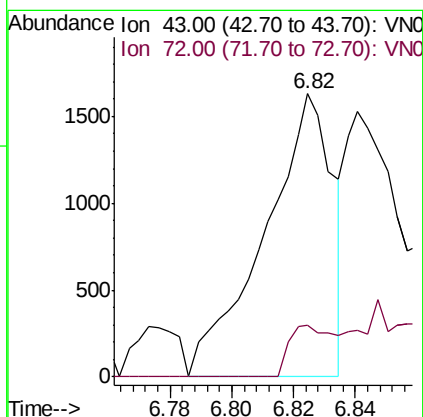
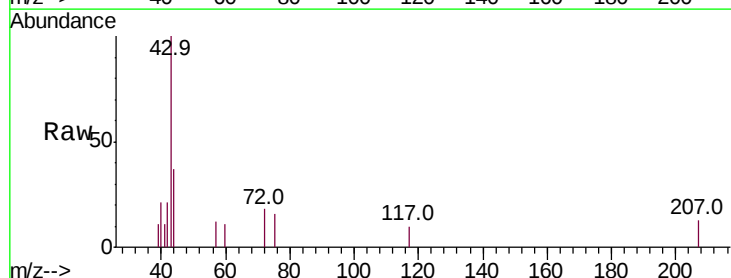
Instrument :
MSVOA_N
ClientSampleId :

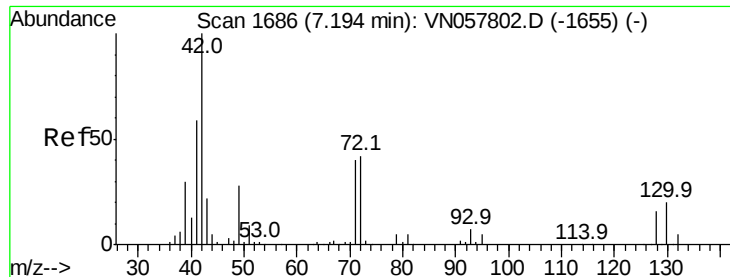
Tot Ion: 84 Resp: 7291
Ion Ratio Lower Upper
84 100
49 123.9 104.8 157.2
51 40.0 33.0 49.4
86 60.7 50.5 75.7



#25
2-Butanone
Concen: 0.805 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

Tgt Ion: 43 Resp: 2478
Ion Ratio Lower Upper
43 100
72 18.0 20.6 30.8#





#29

Tetrahydrofuran

Concen: 0.566 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

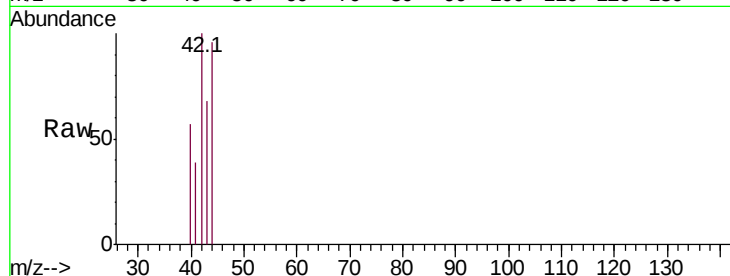
Tot Ion: 42 Resp: 1073

Ion Ratio Lower Upper

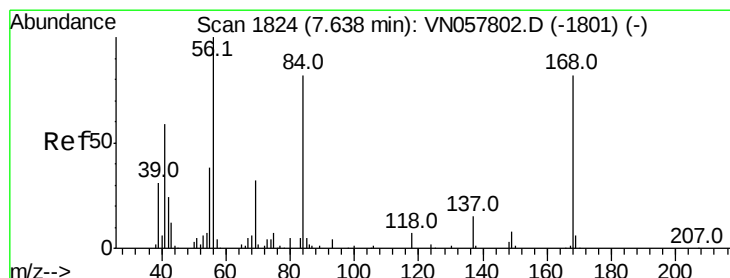
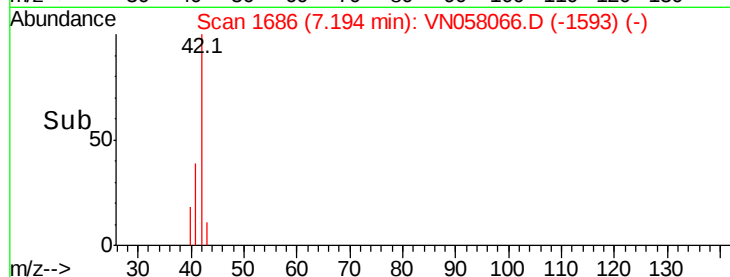
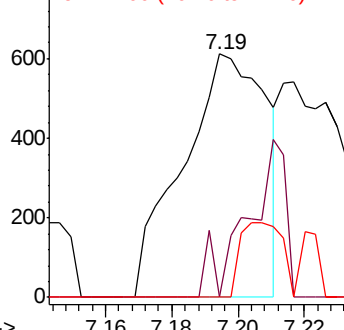
42 100

72 30.1 33.7 50.5#

71 15.6 31.9 47.9#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

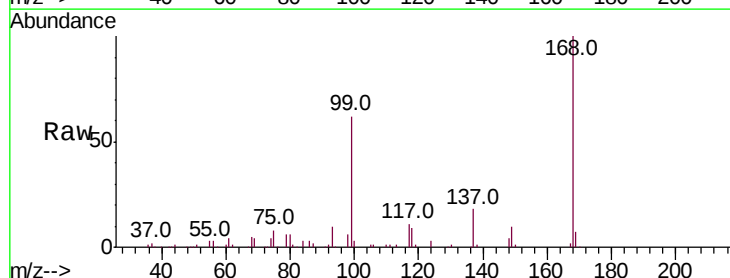
Tgt Ion: 56 Resp: 8880

Ion Ratio Lower Upper

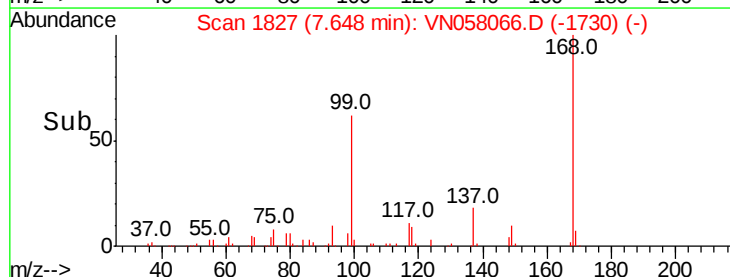
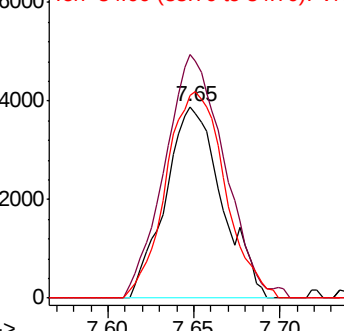
56 100

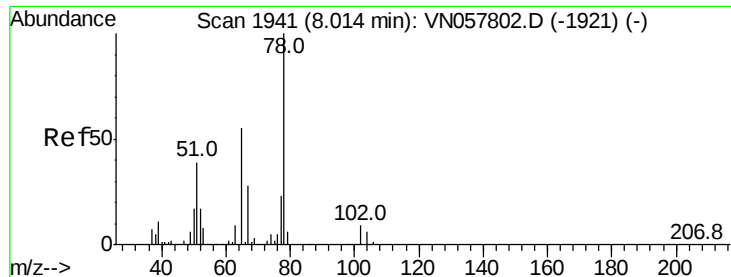
69 127.3 25.9 38.9#

84 105.7 65.6 98.4#



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





#33

1,2-Dichloroethane-d4

Concen: 58.755 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

Instrument :

MSVOA_N

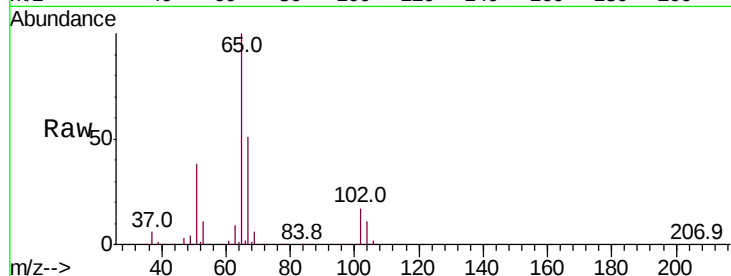
ClientSampleId :

Tot Ion: 65 Resp: 381238

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

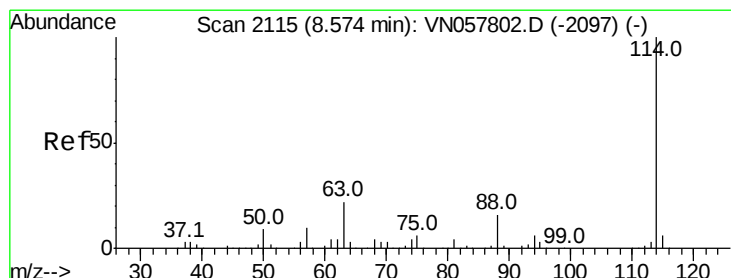
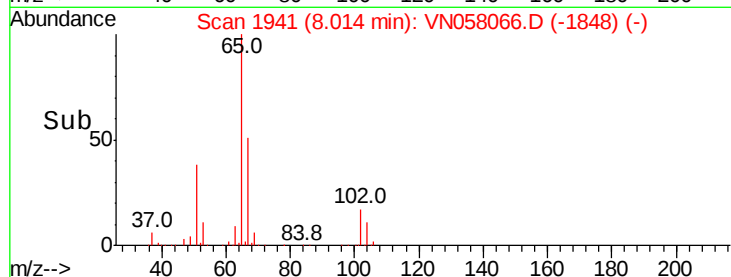
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

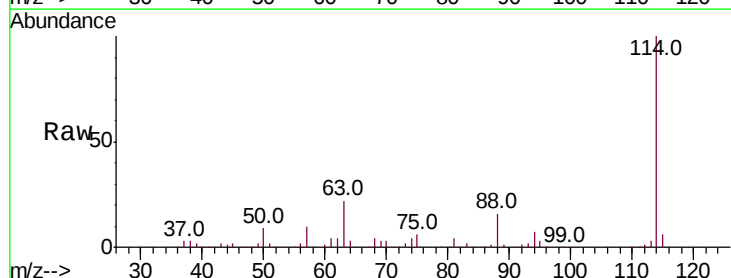
Tgt Ion: 114 Resp: 562885

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.0

88 16.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

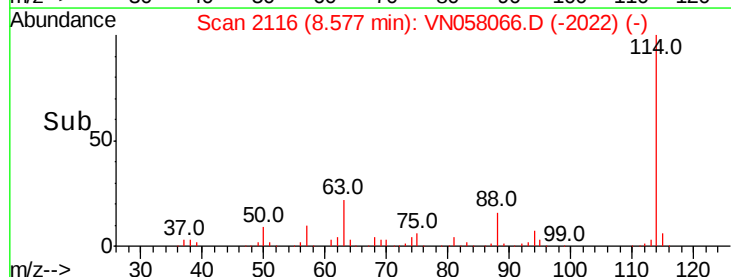
300000

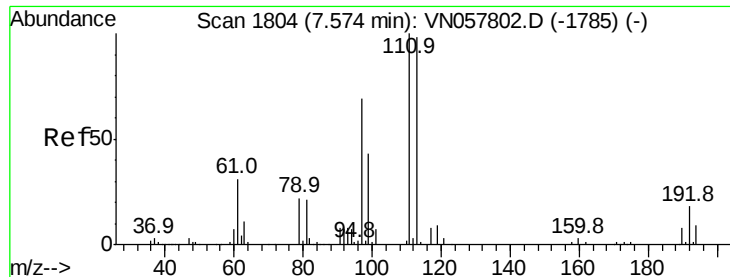
200000

100000

0

Time--> 8.50 8.60 8.70

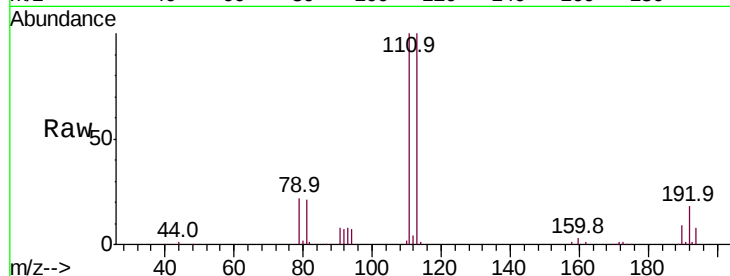




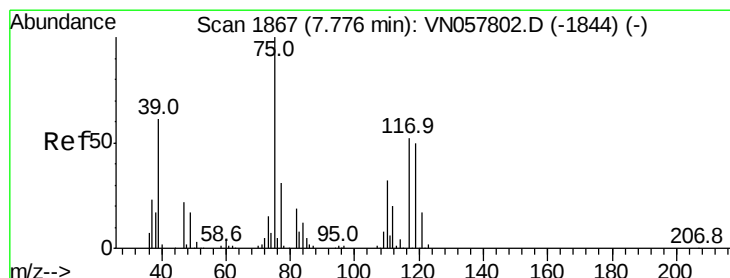
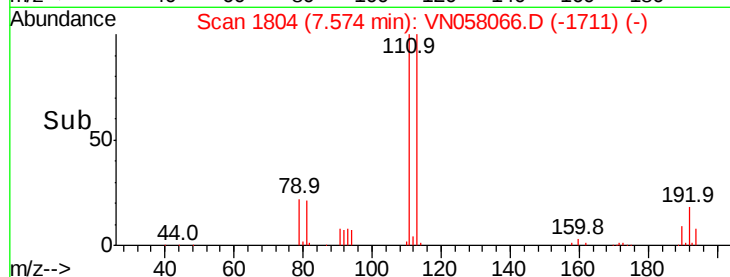
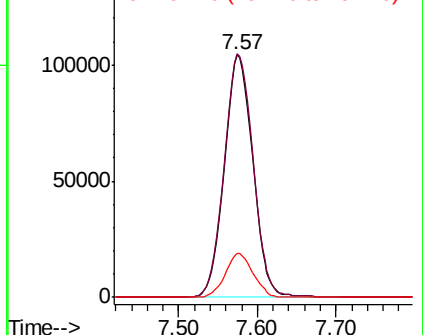
#35
 Dibromofluoromethane
 Concen: 50.169 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058066.D
 Acq: 14 Sep 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 260639
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.3 121.9
 192 17.9 14.6 22.0

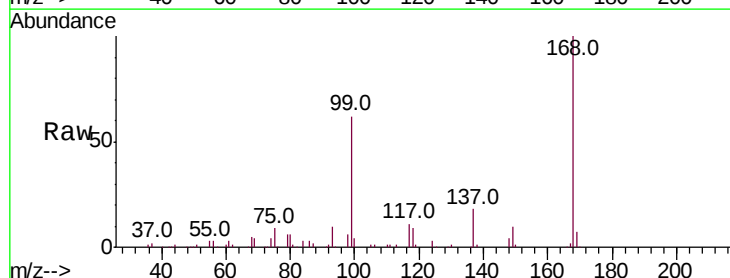


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

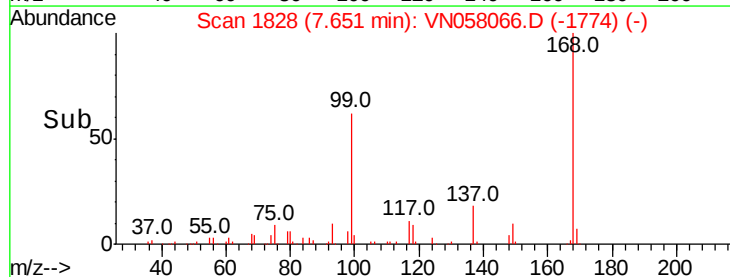
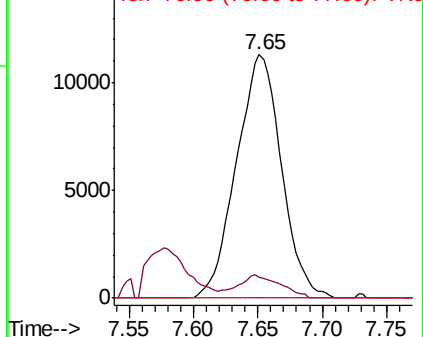


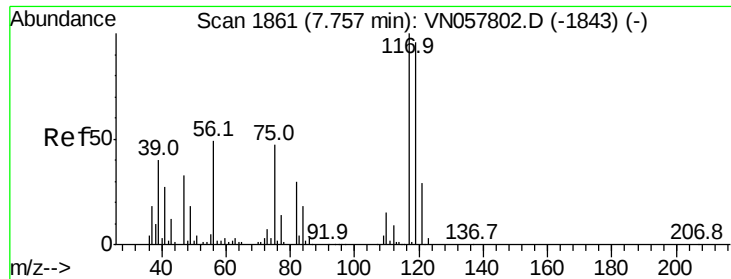
#36
 1,1-Dichloropropene
 Concen: 4.209 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058066.D
 Acq: 14 Sep 2019 10:45

Tgt Ion: 75 Resp: 27475
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.3 48.9#
 77 0.0 25.0 37.4#



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

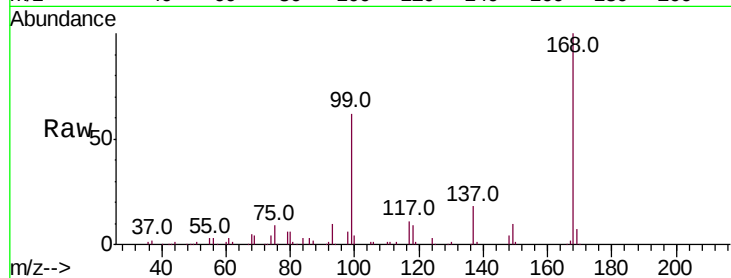




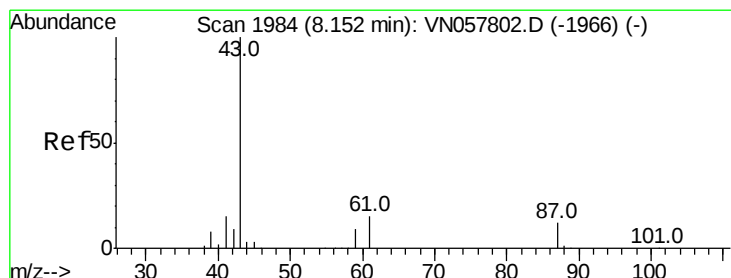
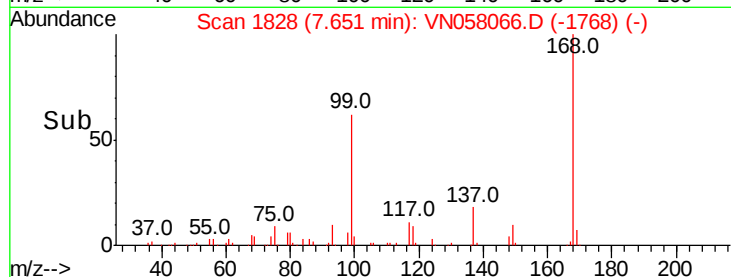
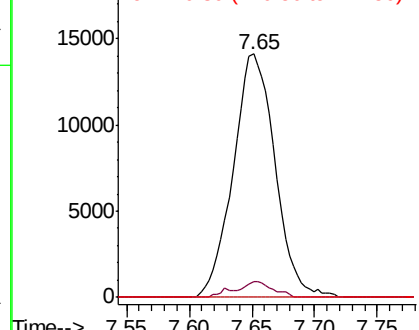
#38
Carbon Tetrachloride
Concen: 5.500 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 32779
Ion Ratio Lower Upper
117 100
119 6.3 76.9 115.3#
121 0.0 23.4 35.2#

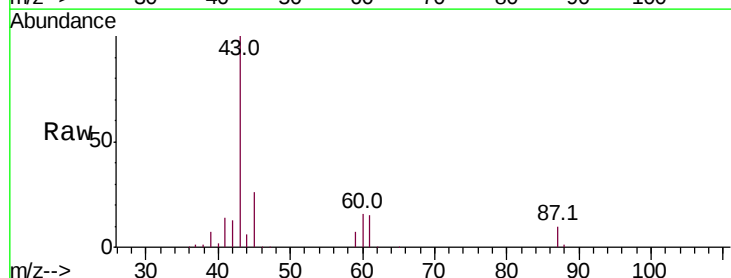


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

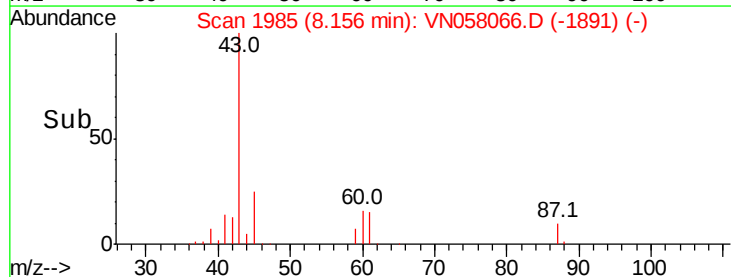
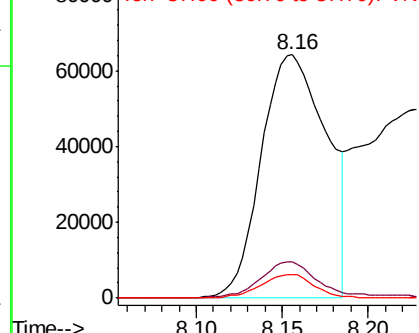


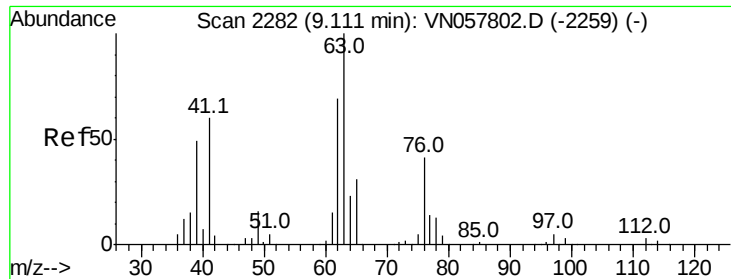
#43
Isopropyl Acetate
Concen: 15.006 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

Tgt Ion: 43 Resp: 170197
Ion Ratio Lower Upper
43 100
61 13.0 20.1 30.1#
87 7.9 9.5 14.3#



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





#45

1,2-Dichloropropane

Concen: 0.353 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

Instrument :

MSVOA_N

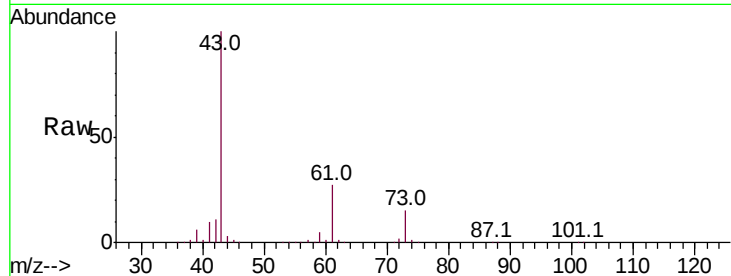
ClientSampled :

Tot Ion: 63 Resp: 2021

Ion Ratio Lower Upper

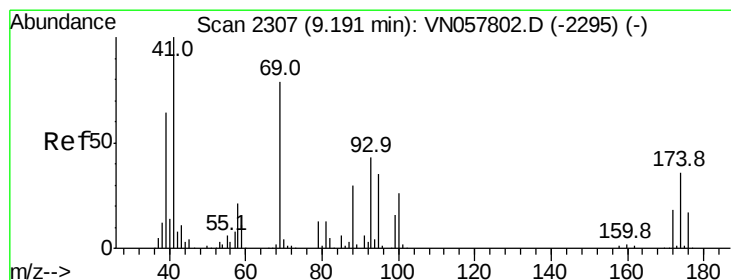
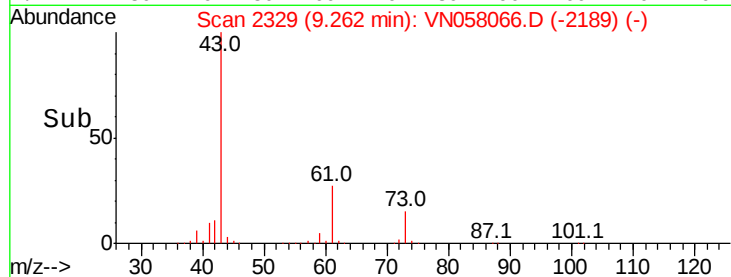
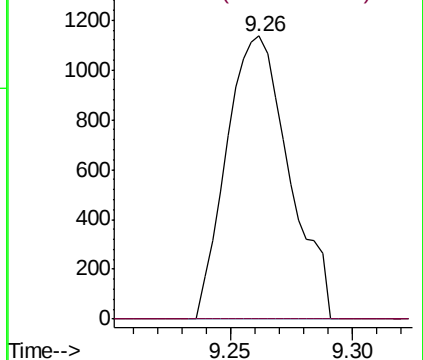
63 100

65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 1.213 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

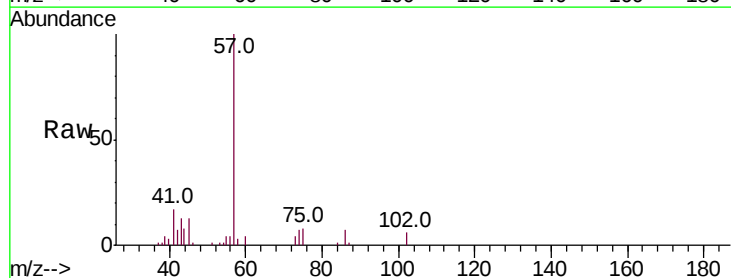
Tgt Ion: 41 Resp: 6981

Ion Ratio Lower Upper

41 100

69 0.0 62.7 94.1#

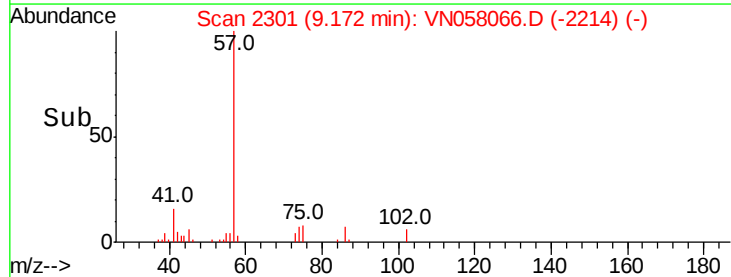
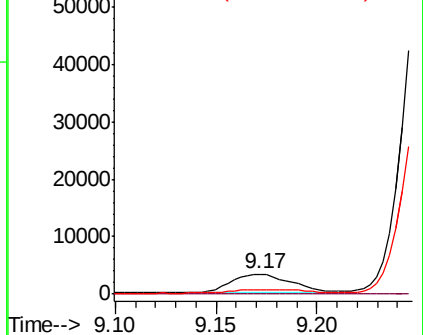
39 0.0 52.7 79.1#

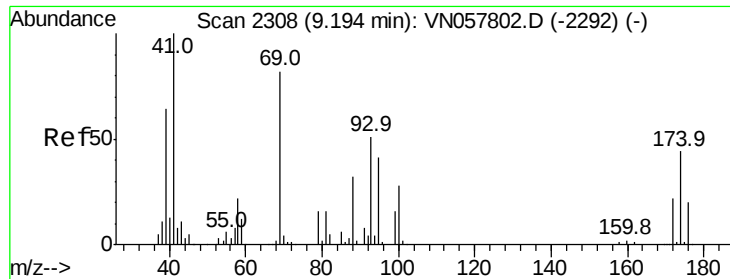


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 2.117 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.07 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

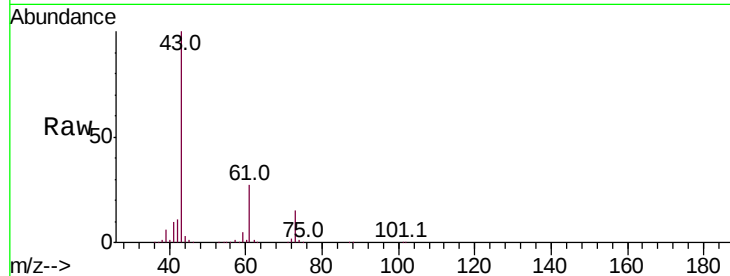
Tot Ion: 88 Resp: 206

Ion Ratio Lower Upper

88 100

43 880672.3 28.5 42.7#

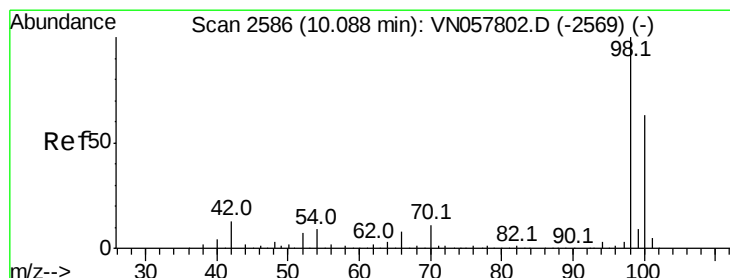
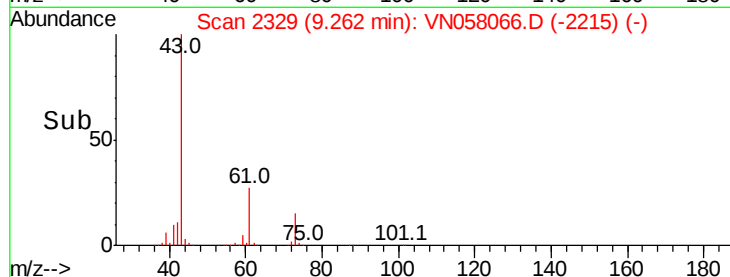
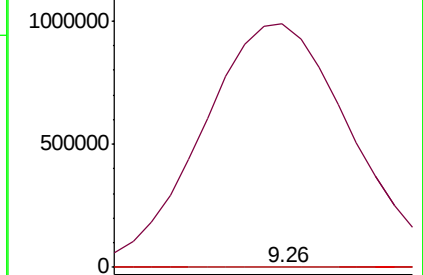
58 3992.2 55.8 83.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.197 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058066.D

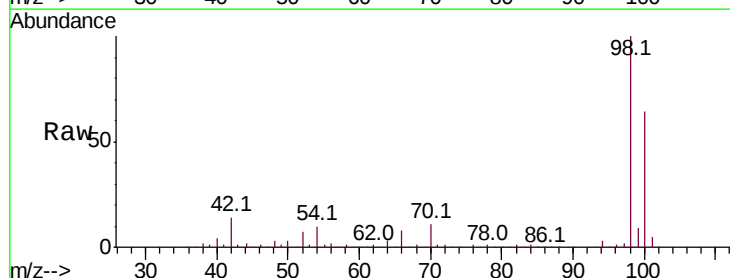
Acq: 14 Sep 2019 10:45

Tgt Ion: 98 Resp: 1032670

Ion Ratio Lower Upper

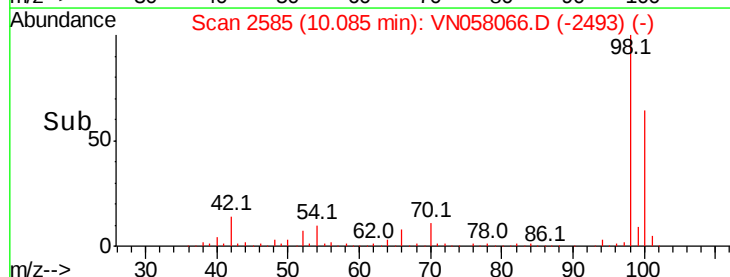
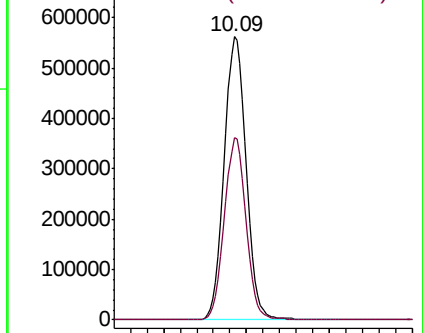
98 100

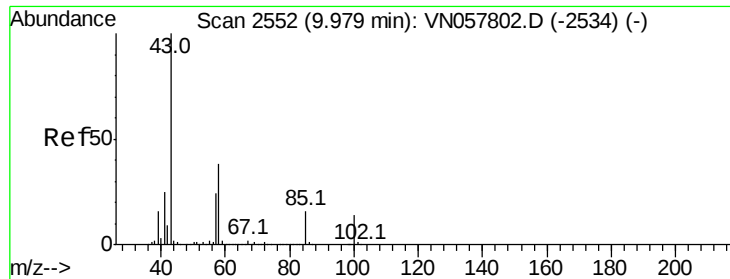
100 63.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

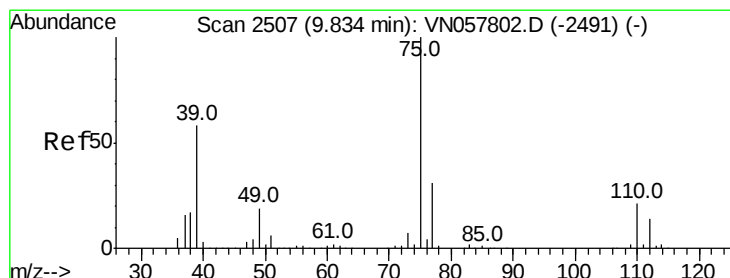
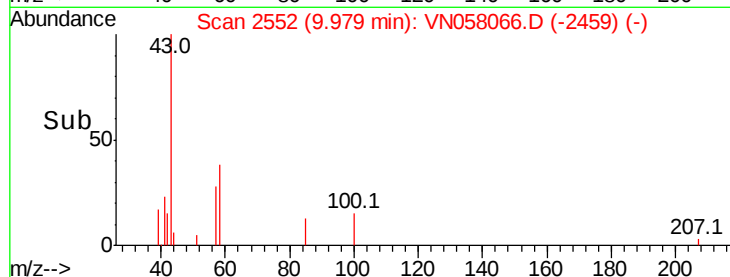
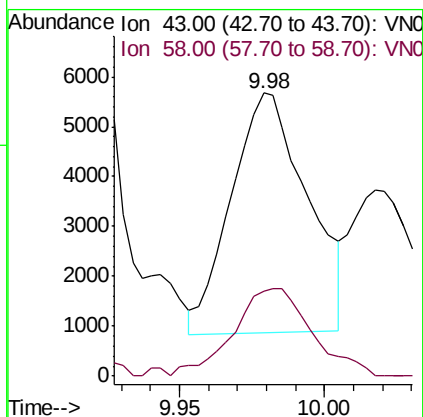
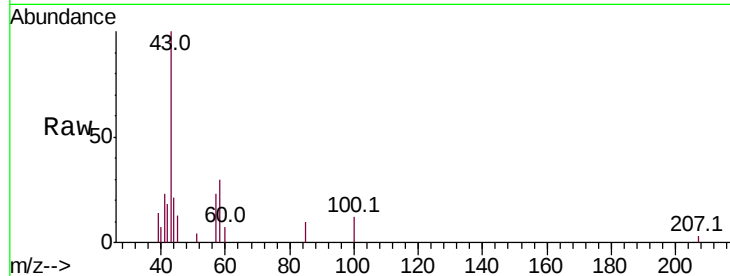




#51
 4-Methyl-2-Pentanone
 Concen: 1.303 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058066.D
 Acq: 14 Sep 2019 10:45

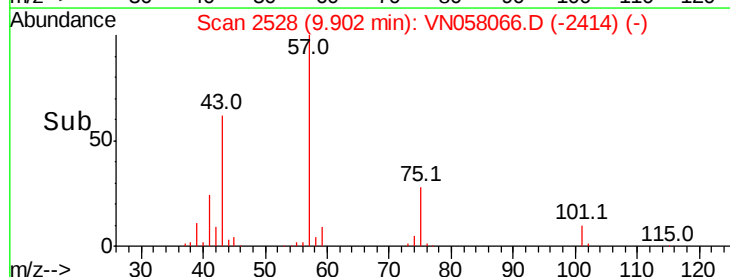
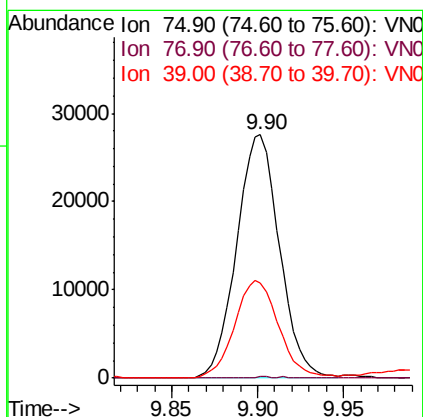
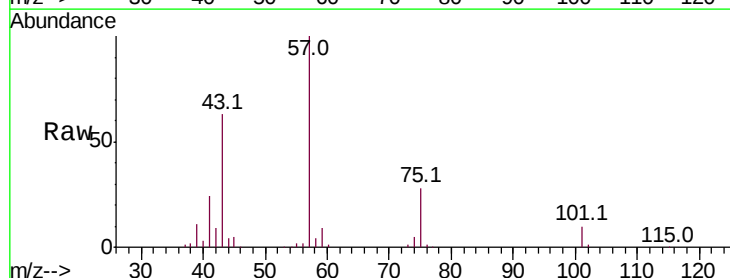
Instrument :
 MSVOA_N
 ClientSampled :

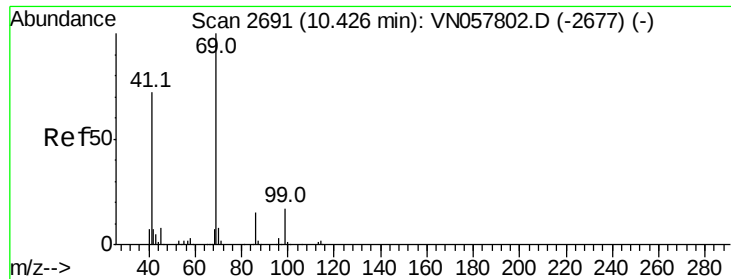
Tot Ion: 43 Resp: 8746
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 5.939 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN058066.D
 Acq: 14 Sep 2019 10:45

Tgt Ion: 75 Resp: 47652
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 38.9 46.2 69.4#





#56

Ethyl methacrylate

Concen: 0.224 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

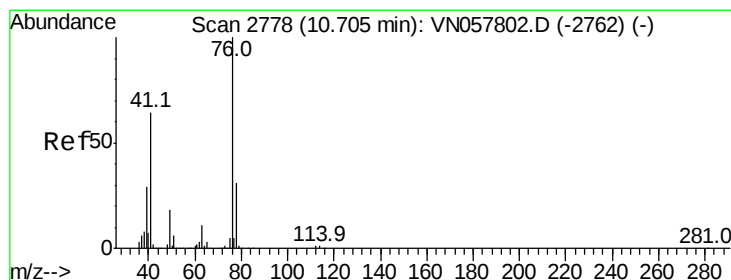
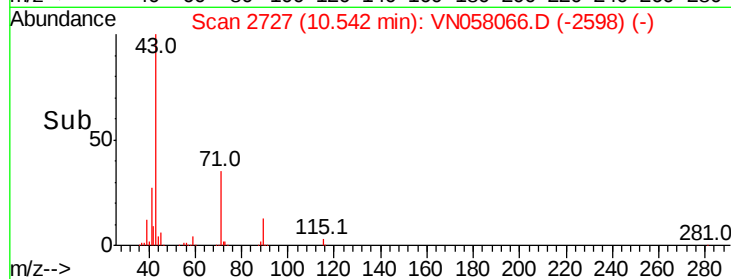
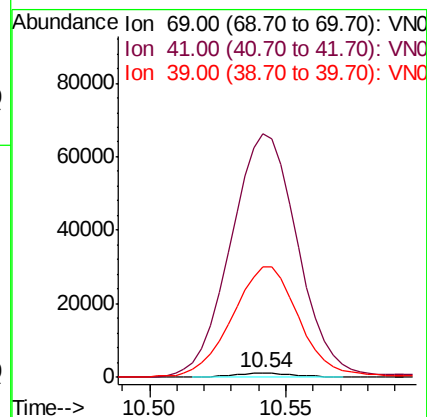
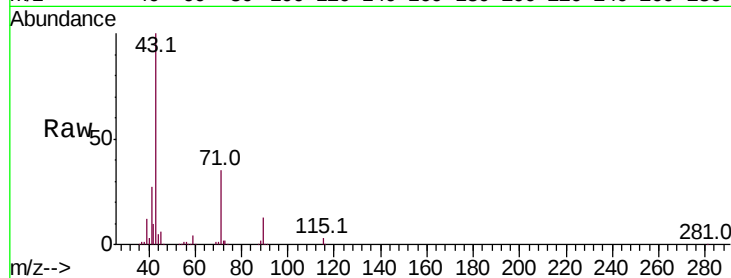
Tot Ion: 69 Resp: 1768

Ion Ratio Lower Upper

69 100

41 6384.7 56.7 85.1#

39 2944.4 36.3 54.5#



#57

1,3-Dichloropropane

Concen: 0.835 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN058066.D

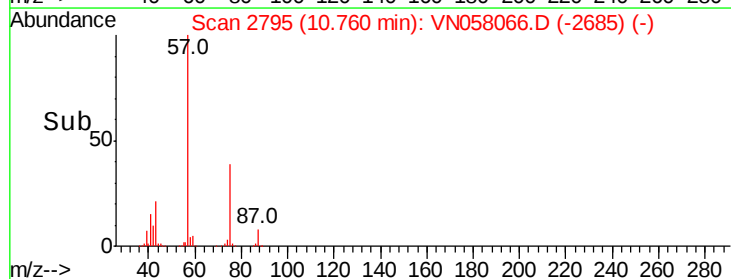
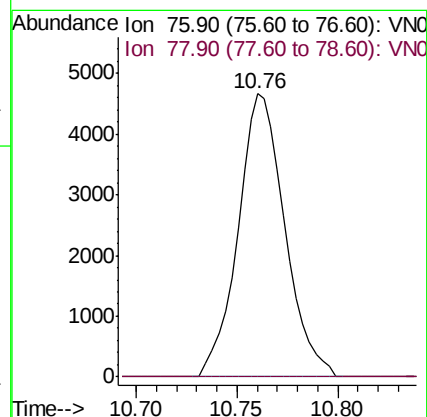
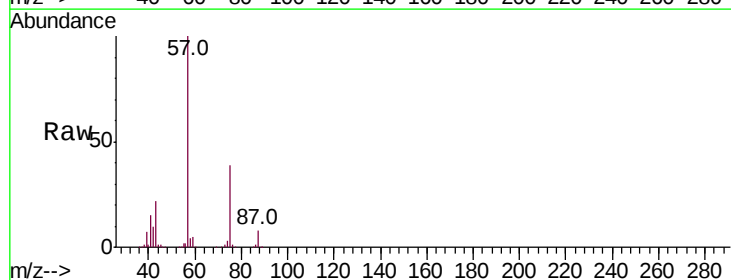
Acq: 14 Sep 2019 10:45

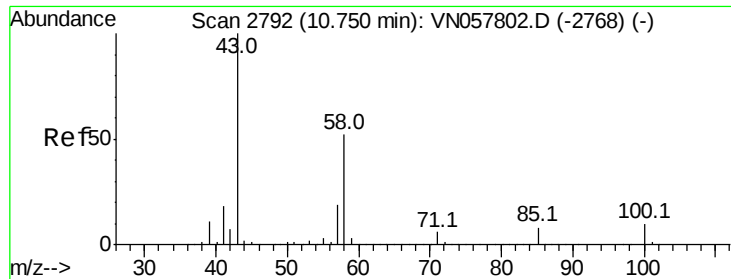
Tgt Ion: 76 Resp: 7548

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#

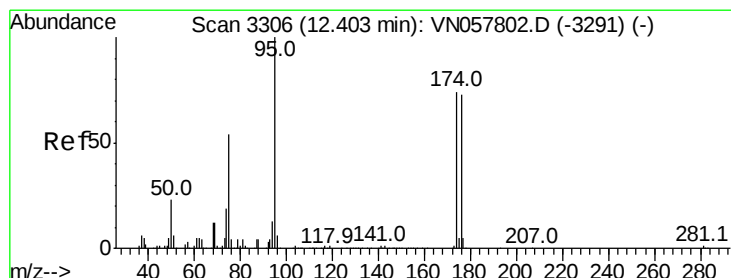
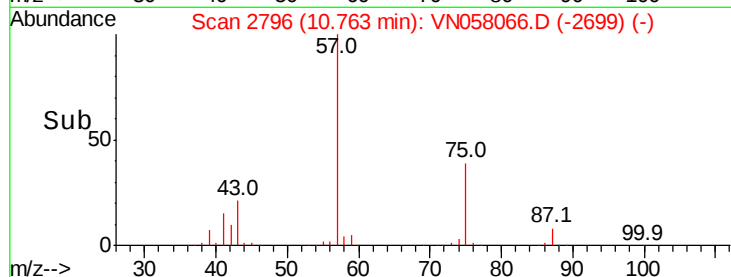
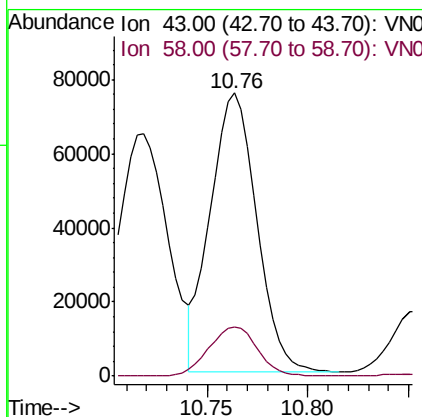
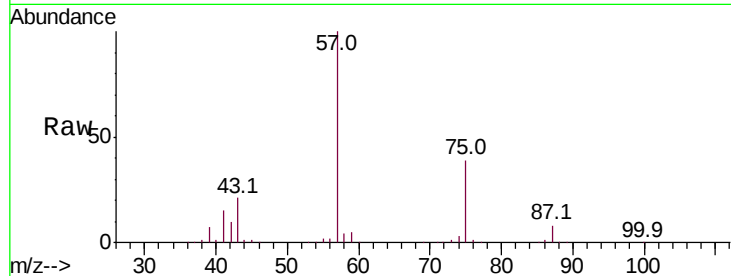




#59
2-Hexanone
Concen: 24.035 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

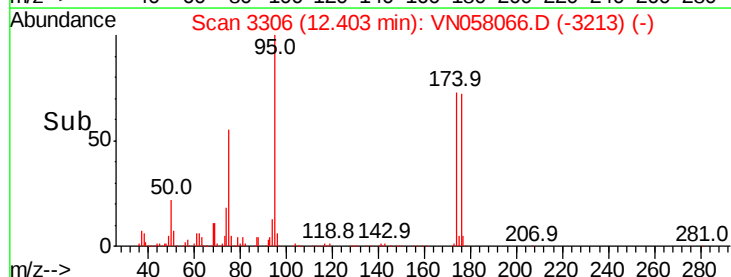
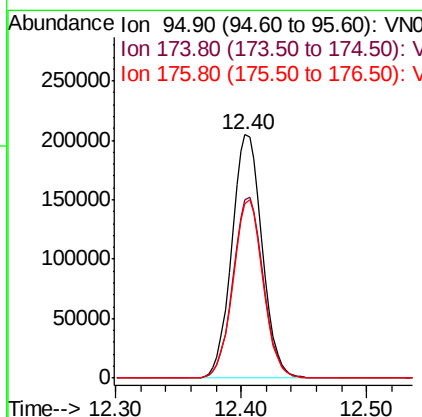
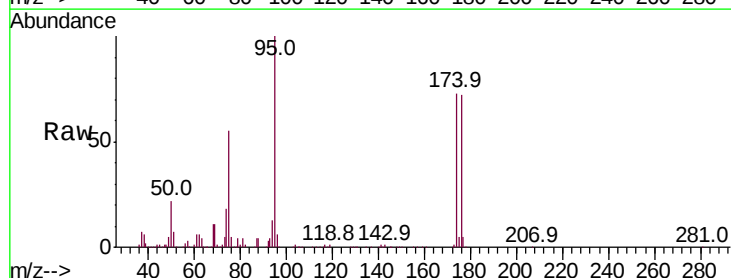
Instrument :
MSVOA_N
ClientSampled :

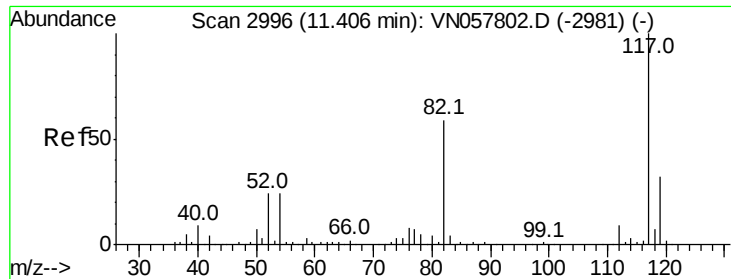
Tot Ion: 43 Resp: 120916
Ion Ratio Lower Upper
43 100
58 18.5 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 44.629 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

Tgt Ion: 95 Resp: 343054
Ion Ratio Lower Upper
95 100
174 74.4 0.0 150.2
176 72.4 0.0 146.0

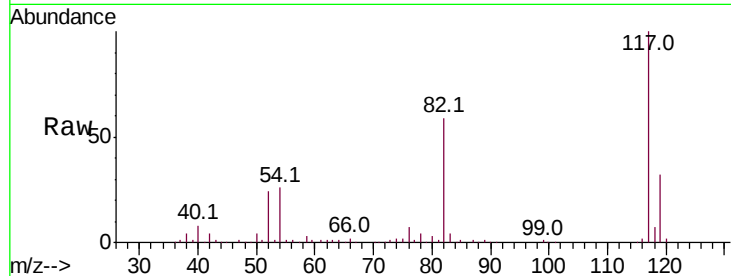




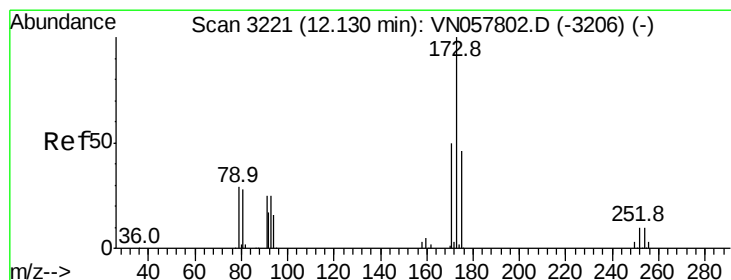
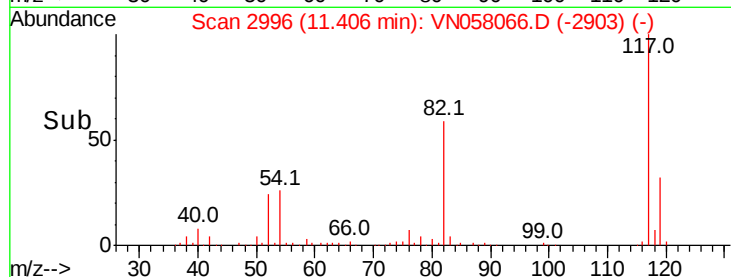
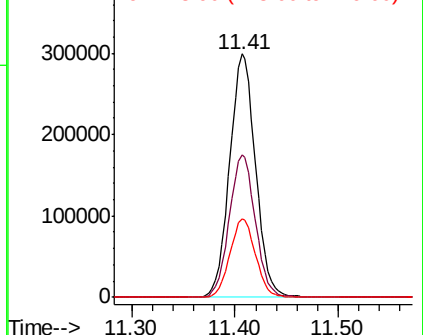
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 523710
Ion Ratio Lower Upper
117 100
82 58.6 47.2 70.8
119 32.4 25.3 37.9

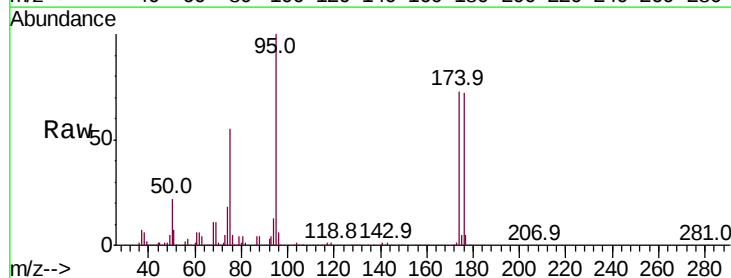


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

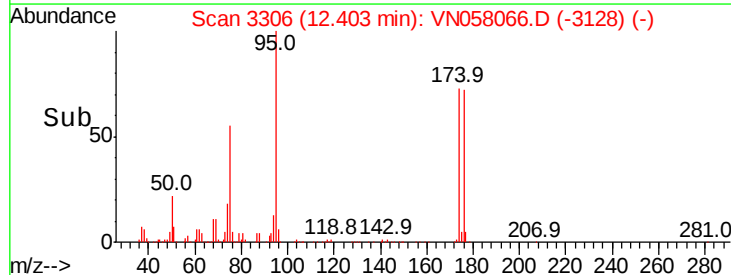
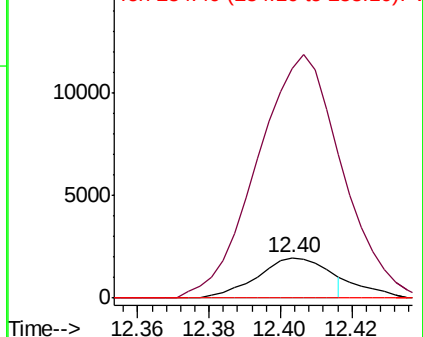


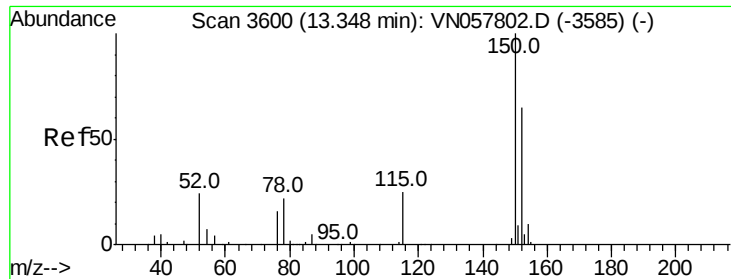
#71
Bromoform
Concen: 0.903 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058066.D
Acq: 14 Sep 2019 10:45

Tgt Ion:173 Resp: 2676
Ion Ratio Lower Upper
173 100
175 632.1 23.5 70.6#
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# 3600

Delta R.T. 0.00 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

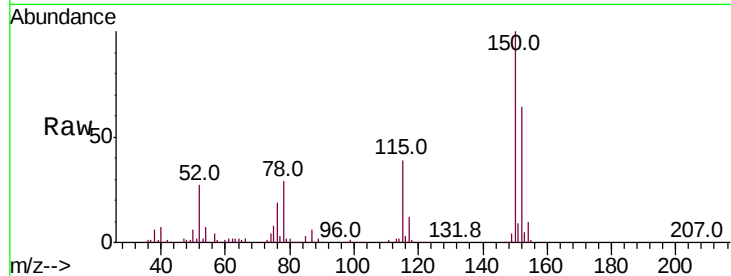
Tot Ion:152 Resp: 272953

Ion Ratio Lower Upper

152 100

115 60.9 30.3 91.0

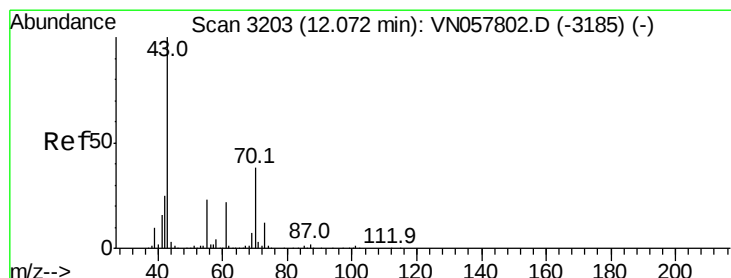
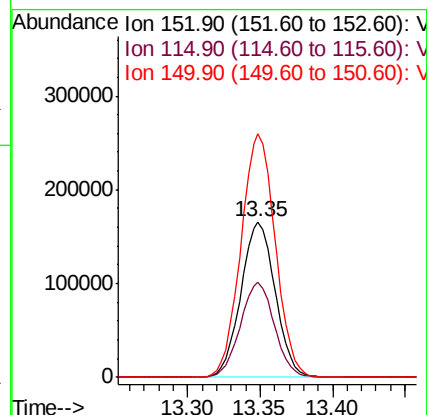
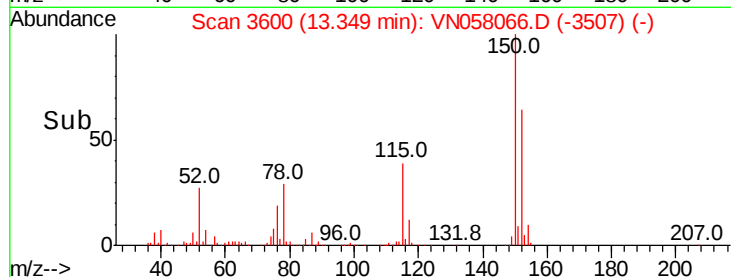
150 156.4 0.0 352.4



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



#74

N-ethyl acetate

Concen: 0.729 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

Tgt Ion: 43 Resp: 6719

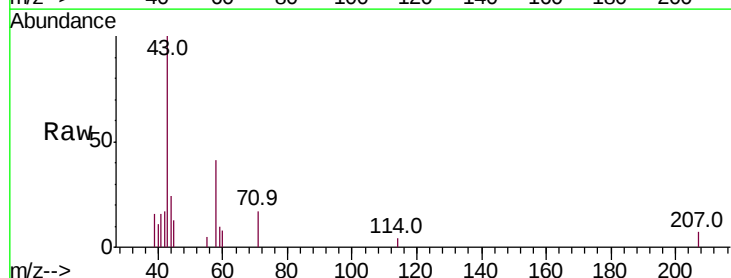
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 6.9 18.6 27.8#

61 0.0 17.4 26.2#

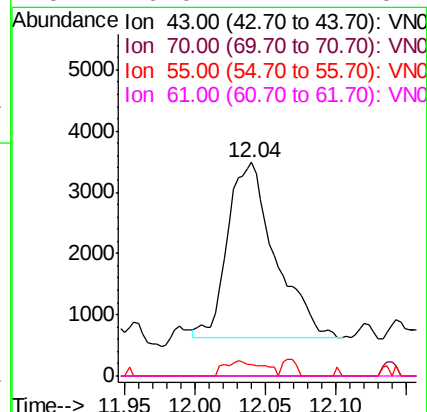
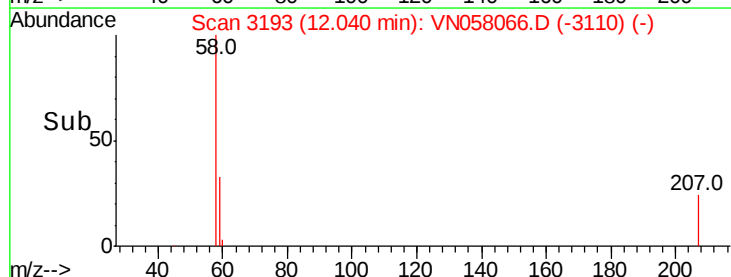


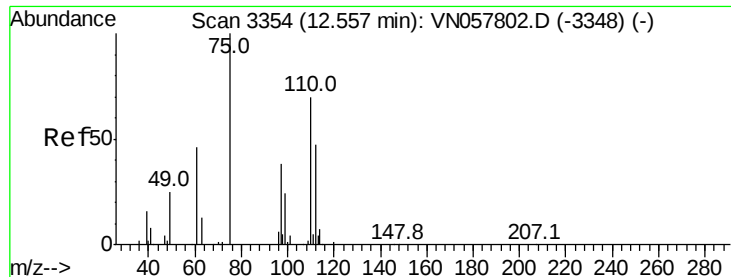
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 30.230 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

Instrument :

MSVOA_N

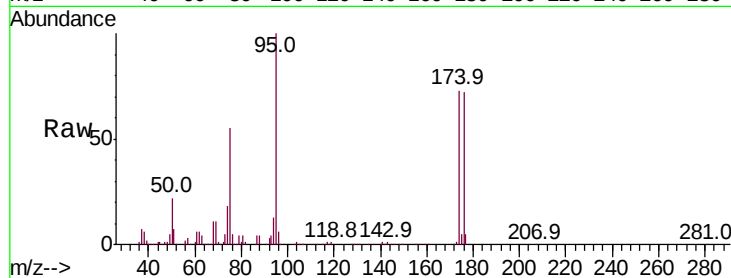
ClientSampleId :

Tot Ion: 75 Resp: 186662

Ion Ratio Lower Upper

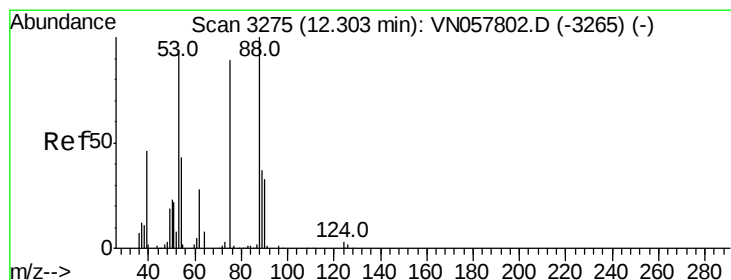
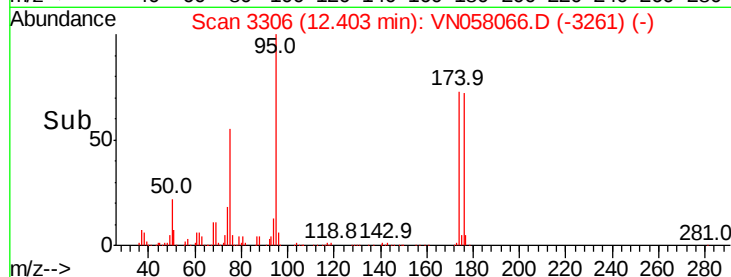
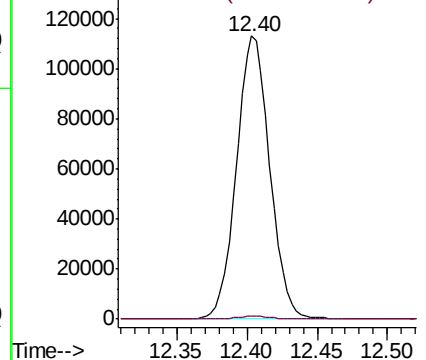
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 106.381 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058066.D

Acq: 14 Sep 2019 10:45

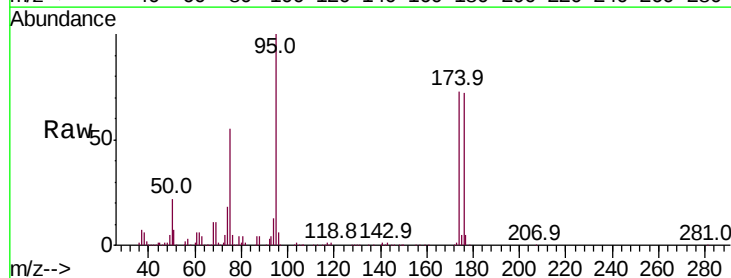
Tgt Ion: 75 Resp: 186662

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

