

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
 Data File : VN058375.D
 Acq On : 26 Sep 2019 11:17
 Operator : JC/SP
 Sample : K5042-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 55-ST-21

Quant Time: Sep 27 02:27:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	76163	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	435128	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	374385	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	208494	30.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.23%
60) 4-Bromofluorobenzene	12.41	95	172332	26.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.67%
63) Toluene-d8	10.08	98	543881	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

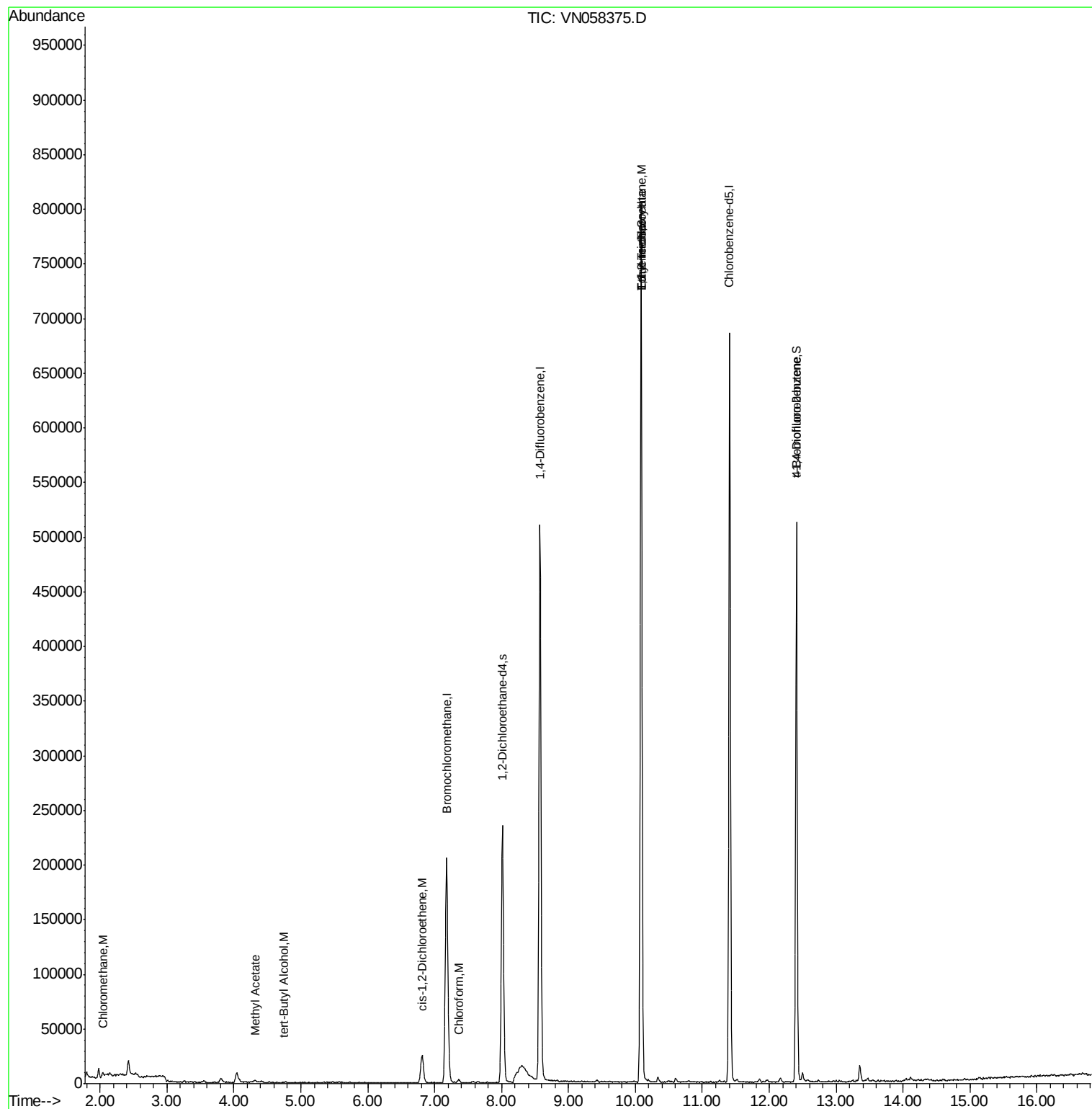
					Qvalue	
3) Chloromethane	2.04	50	2341	0.443	ug/l #	83
12) Methyl Acetate	4.32	43	2473	0.444	ug/l	92
22) cis-1,2-Dichloroethene	6.81	96	15036	2.762	ug/l #	50
23) tert-Butyl Alcohol	4.75	59	511	0.602	ug/l #	100
25) Chloroform	7.36	83	3096	0.328	ug/l	89
50) 1,1,2-Trichloroethane	10.09	97	16693	3.443	ug/l #	1
51) Ethyl methacrylate	10.09	69	1915	0.250	ug/l	98
77) t-1,4-Dichloro-2-butene	12.41	75	96519	50.048	ug/l #	3

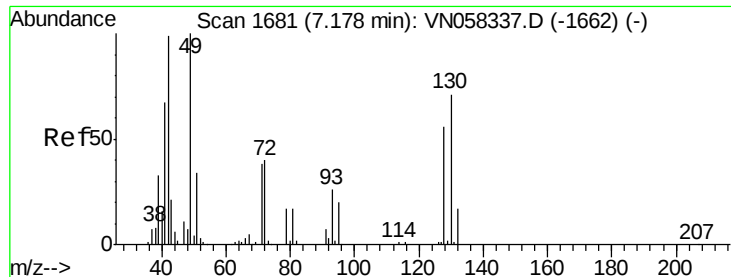
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
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MSVOA_N
ClientSampled :
55-ST-21

Quant Time: Sep 27 02:27:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN058375.D

Acq: 26 Sep 2019 11:17

Instrument :

MSVOA_N

ClientSampled :

55-ST-21

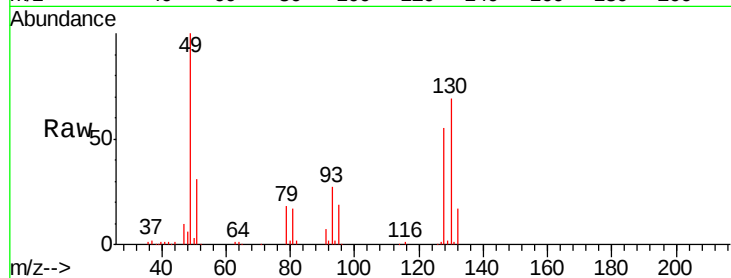
Tgt Ion:128 Resp: 76163

Ion Ratio Lower Upper

128 100

49 182.0 0.0 458.5

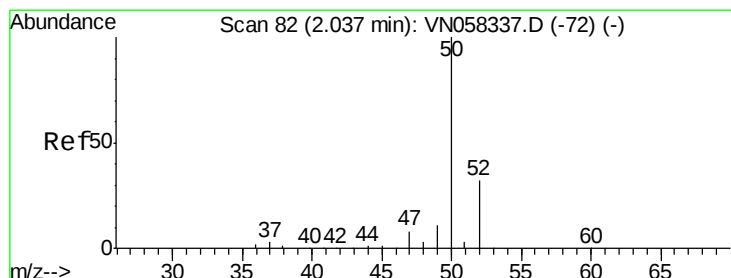
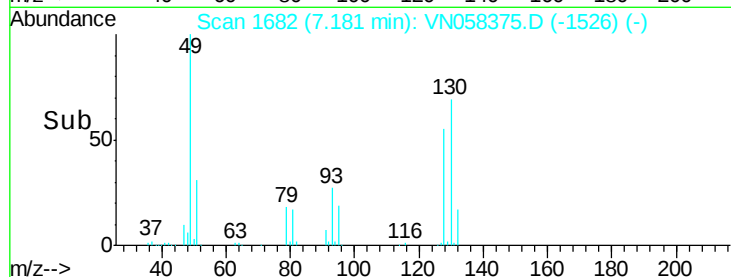
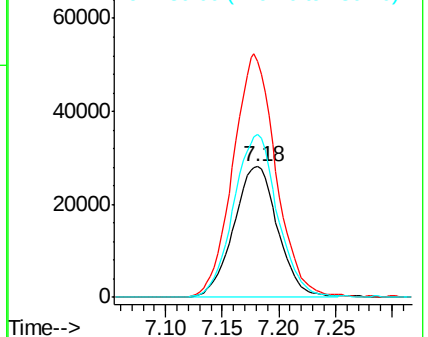
130 124.7 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.443 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058375.D

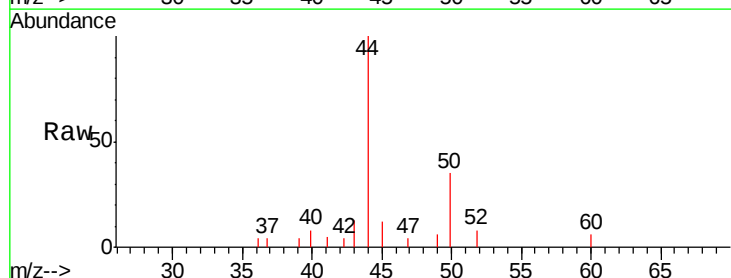
Acq: 26 Sep 2019 11:17

Tgt Ion: 50 Resp: 2341

Ion Ratio Lower Upper

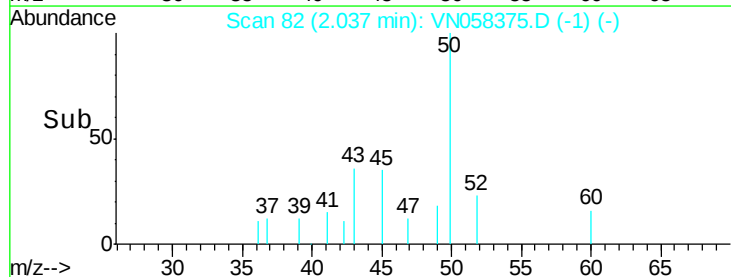
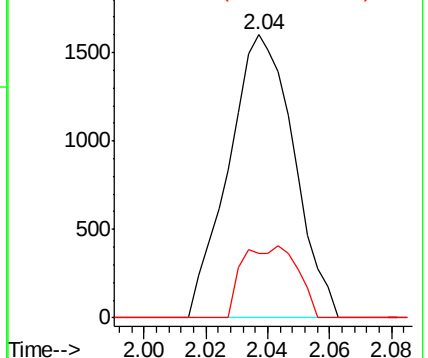
50 100

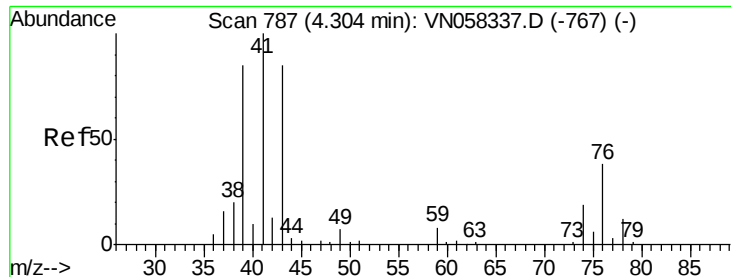
52 23.0 25.9 38.9#



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#12

Methyl Acetate

Concen: 0.444 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN058375.D

Acq: 26 Sep 2019 11:17

Instrument :

MSVOA_N

ClientSampled :

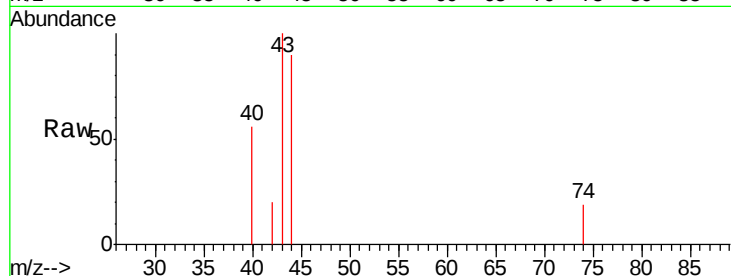
55-ST-21

Tgt Ion: 43 Resp: 2473

Ion Ratio Lower Upper

43 100

74 26.1 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

1200

1000

800

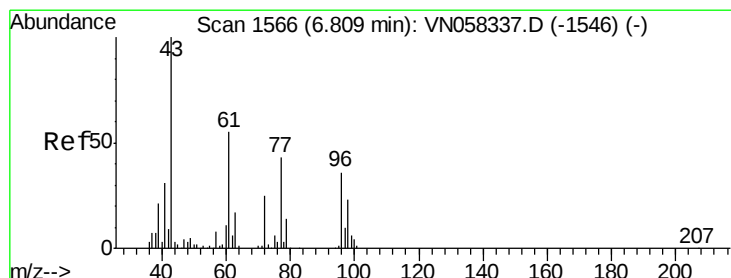
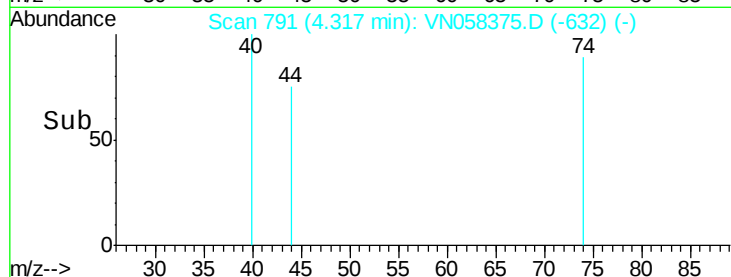
600

400

200

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 2.762 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058375.D

Acq: 26 Sep 2019 11:17

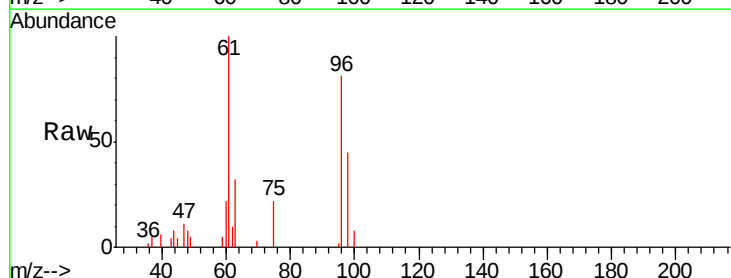
Tgt Ion: 96 Resp: 15036

Ion Ratio Lower Upper

96 100

61 69.8 128.2 192.2#

98 61.0 50.6 76.0



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

8000

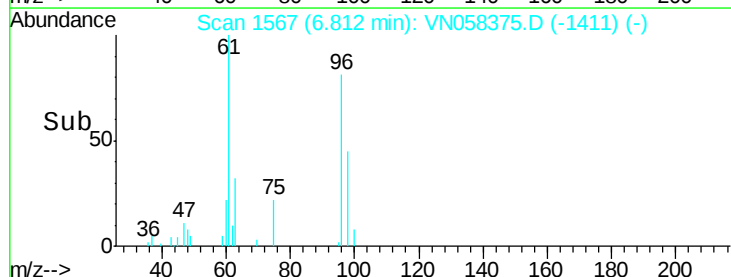
6000

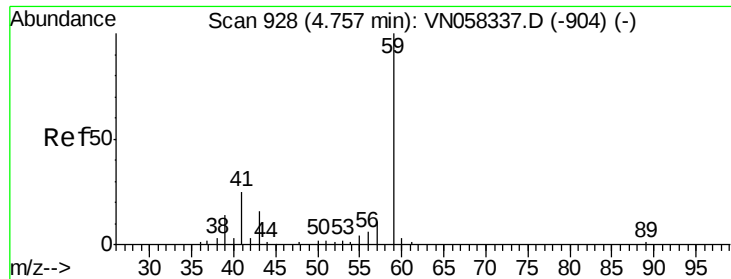
4000

2000

0

Time-->



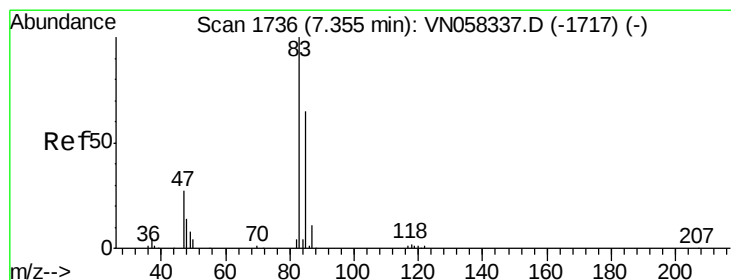
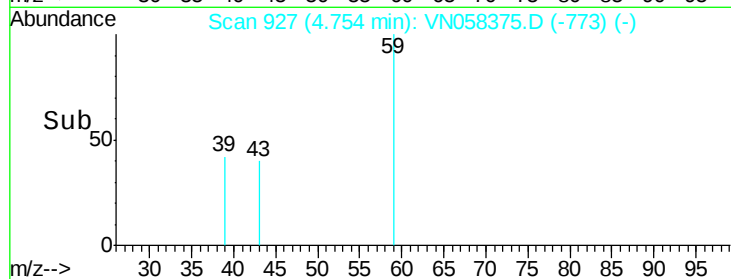
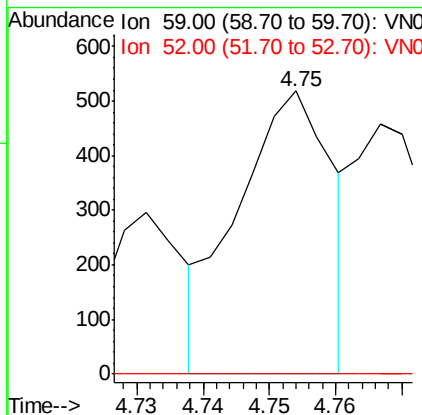
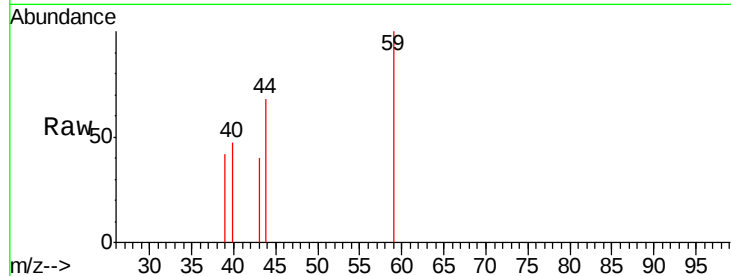


#23

tert-Butyl Alcohol
 Concen: 0.602 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058375.D
 Acq: 26 Sep 2019 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 55-ST-21

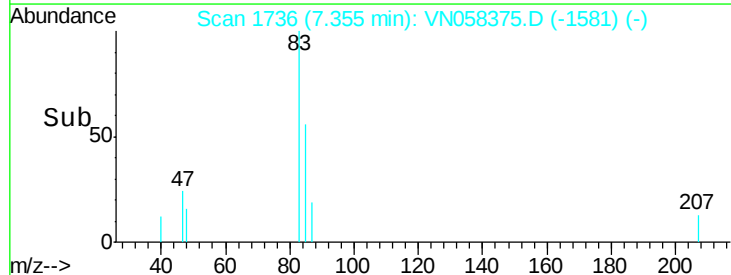
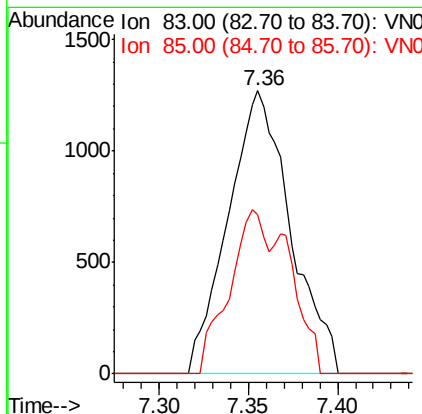
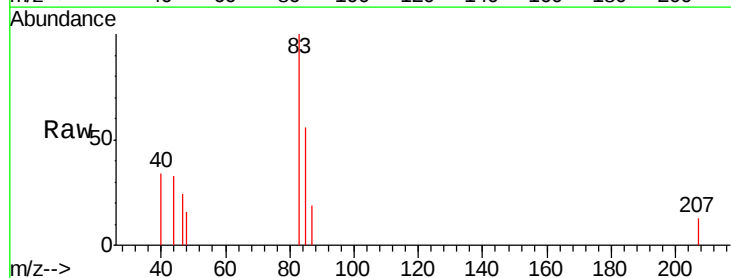
Tgt Ion: 59 Resp: 511
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

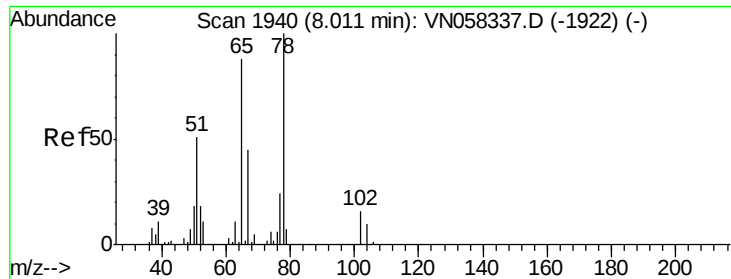


#25

Chloroform
 Concen: 0.328 ug/l
 RT: 7.36 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VN058375.D
 Acq: 26 Sep 2019 11:17

Tgt Ion: 83 Resp: 3096
 Ion Ratio Lower Upper
 83 100
 85 56.2 51.8 77.6

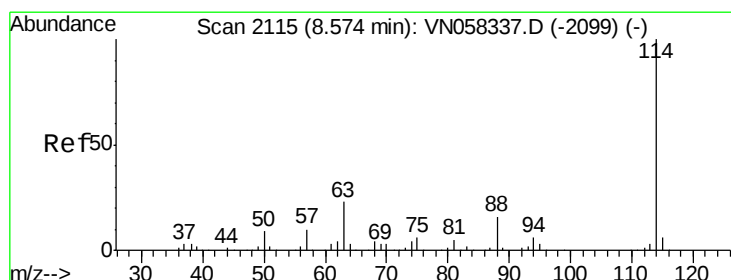
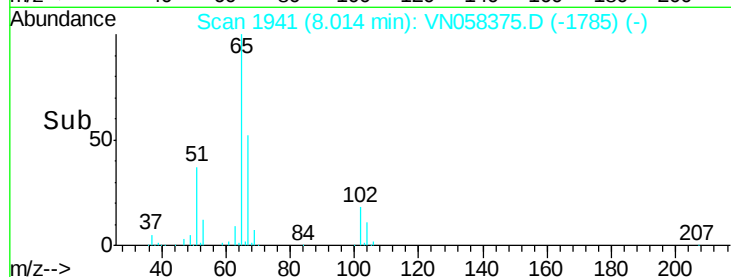
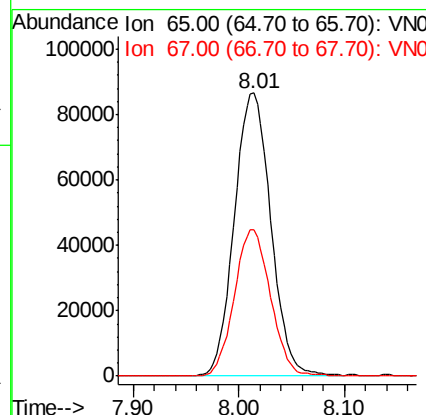
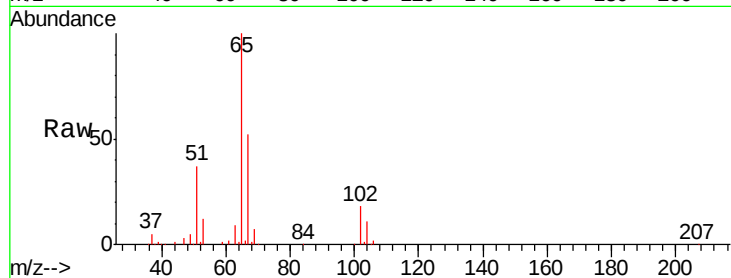




#27
 1,2-Dichloroethane-d4
 Concen: 30.967 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058375.D
 Acq: 26 Sep 2019 11:17

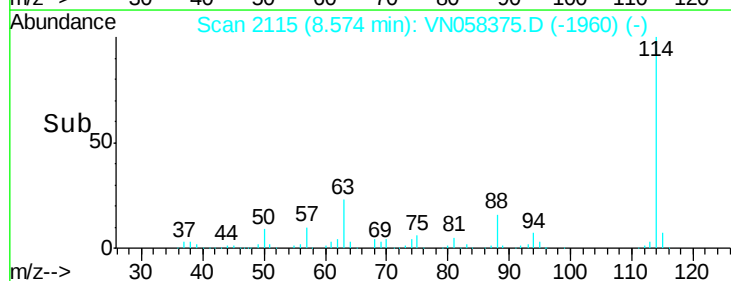
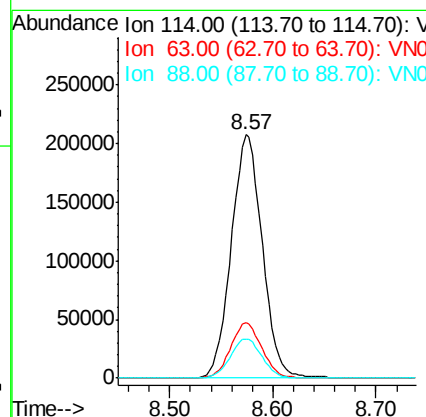
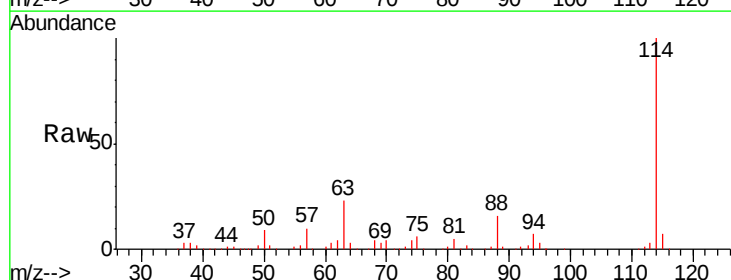
Instrument :
 MSVOA_N
 ClientSampleId :
 55-ST-21

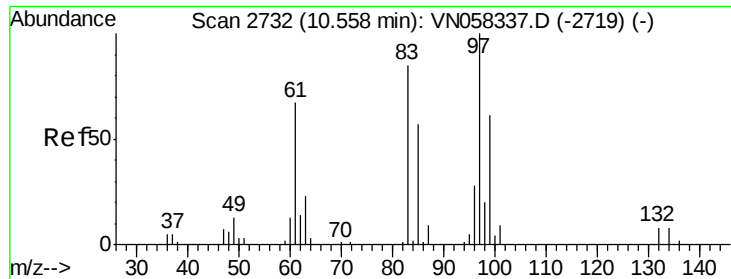
Tgt Ion: 65 Resp: 208494
 Ion Ratio Lower Upper
 65 100
 67 51.3 40.4 60.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058375.D
 Acq: 26 Sep 2019 11:17

Tgt Ion: 114 Resp: 435128
 Ion Ratio Lower Upper
 114 100
 63 22.8 17.8 26.8
 88 16.4 12.7 19.1





#50

1,1,2-Trichloroethane

Concen: 3.443 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.47 min

Lab File: VN058375.D

Acq: 26 Sep 2019 11:17

Instrument :

MSVOA_N

ClientSampleId :

55-ST-21

Tgt Ion: 97 Resp: 16693

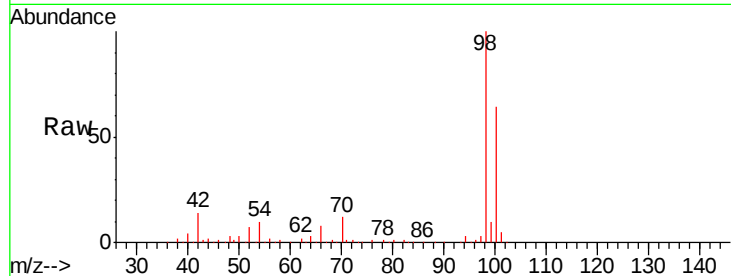
Ion Ratio Lower Upper

97 100

83 4.5 67.8 101.6#

85 0.0 45.8 68.6#

99 321.6 48.6 72.8#

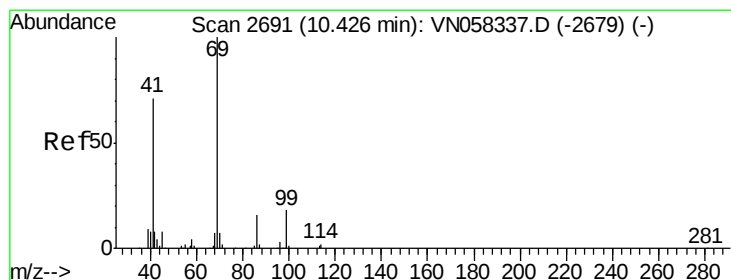
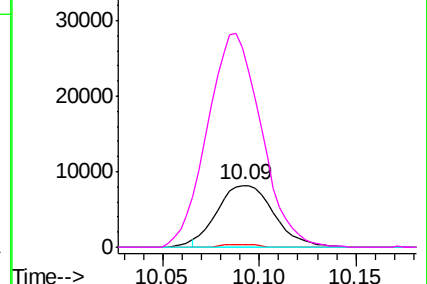
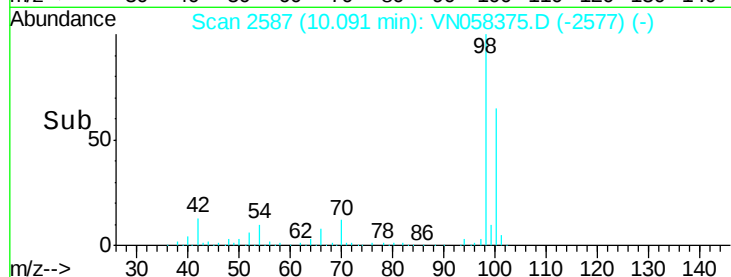


Abundance Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO



#51

Ethyl methacrylate

Concen: 0.250 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.34 min

Lab File: VN058375.D

Acq: 26 Sep 2019 11:17

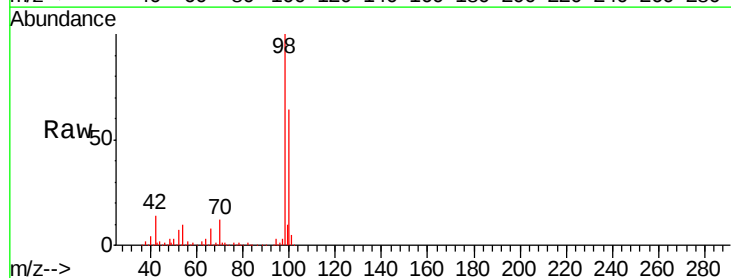
Tgt Ion: 69 Resp: 1915

Ion Ratio Lower Upper

69 100

41 70.3 35.4 106.1

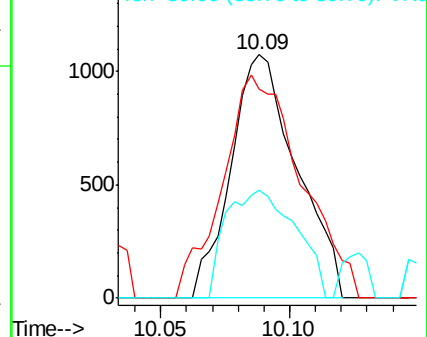
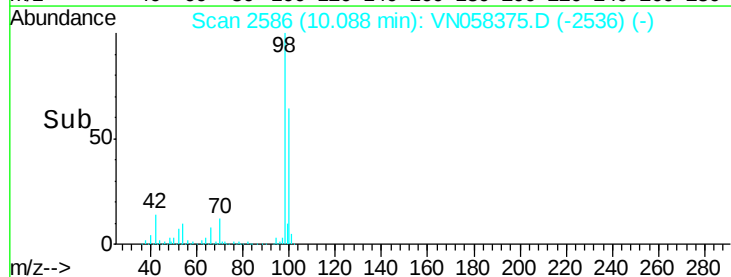
39 44.4 23.5 70.5

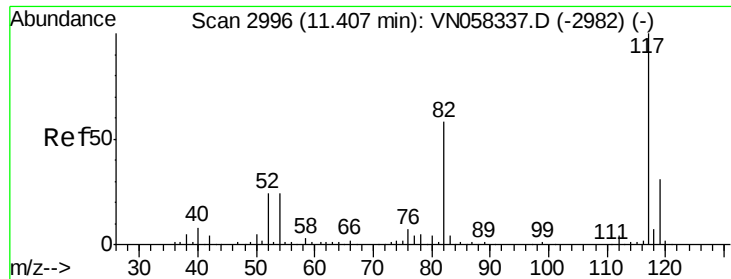


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

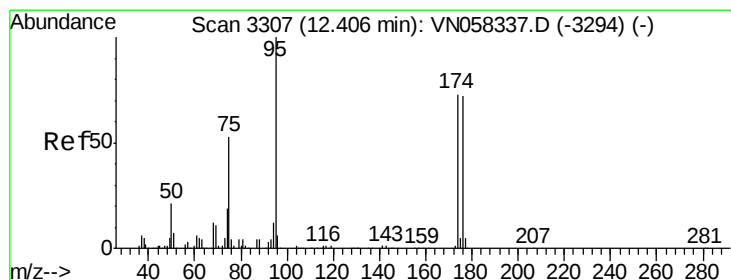
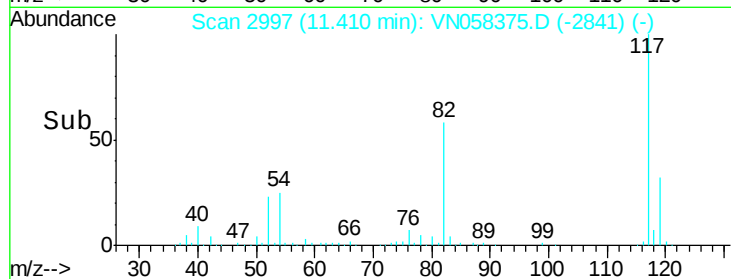
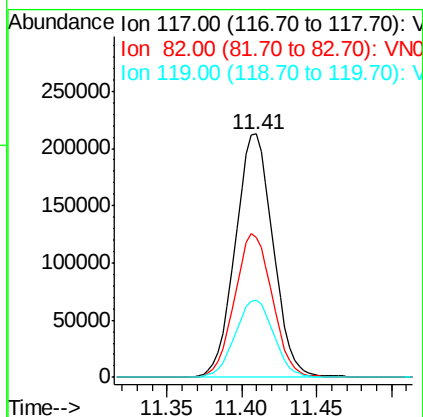
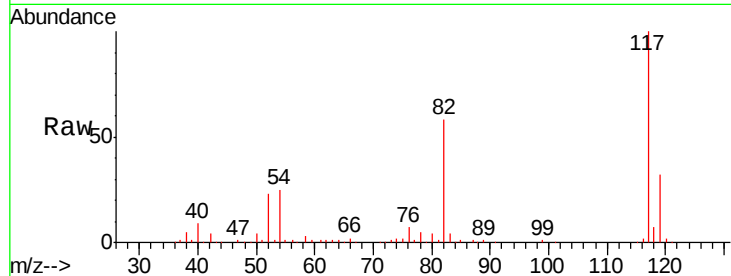




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058375.D
Acq: 26 Sep 2019 11:17

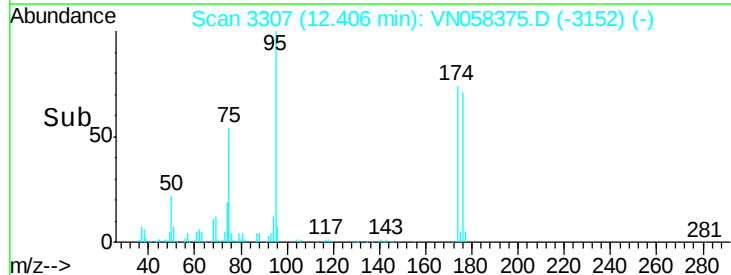
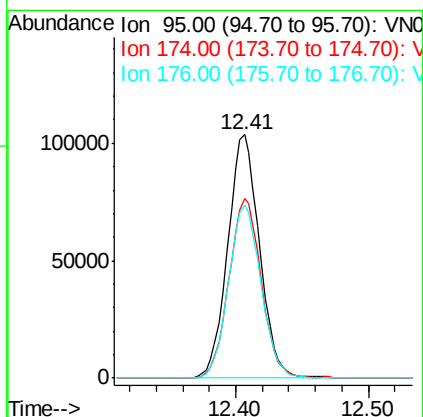
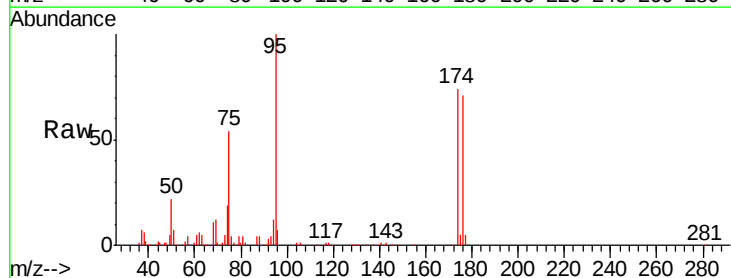
Instrument :
MSVOA_N
ClientSampleId :
55-ST-21

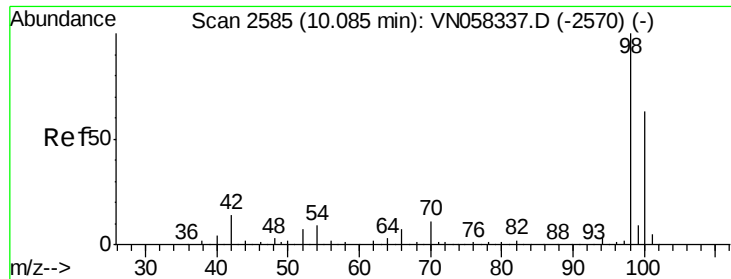
Tgt Ion: 117 Resp: 374385
Ion Ratio Lower Upper
117 100
82 59.0 46.4 69.6
119 32.4 25.1 37.7



#60
4-Bromofluorobenzene
Concen: 26.603 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058375.D
Acq: 26 Sep 2019 11:17

Tgt Ion: 95 Resp: 172332
Ion Ratio Lower Upper
95 100
174 74.8 59.0 88.6
176 72.5 58.2 87.2





#63

Toluene-d8

Concen: 30.440 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058375.D

Acq: 26 Sep 2019 11:17

Instrument :

MSVOA_N

ClientSampleId :

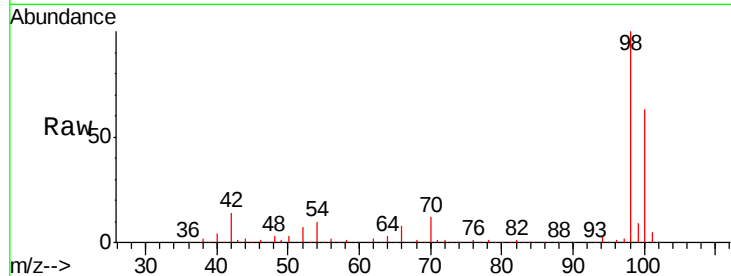
55-ST-21

Tgt Ion: 98 Resp: 543881

Ion Ratio Lower Upper

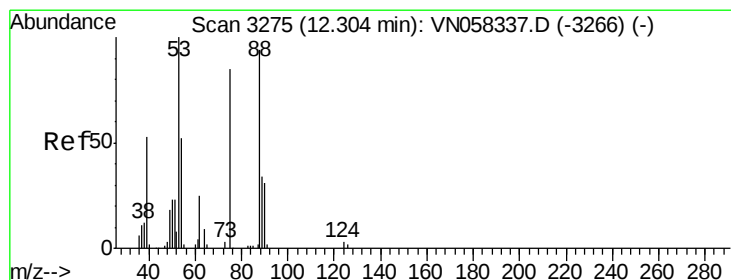
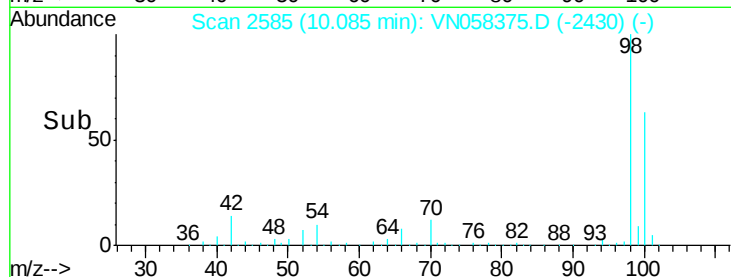
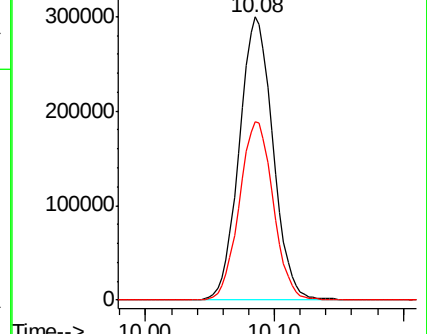
98 100

100 63.4 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#77

t-1,4-Dichloro-2-butene

Concen: 50.048 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058375.D

Acq: 26 Sep 2019 11:17

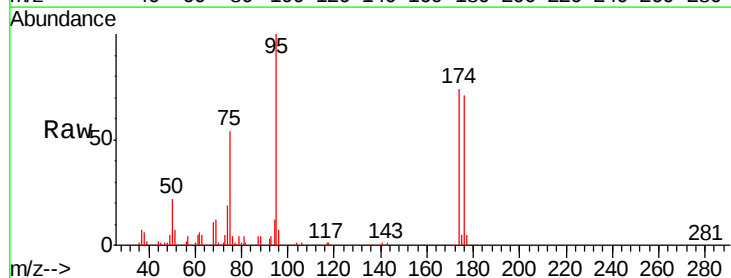
Tgt Ion: 75 Resp: 96519

Ion Ratio Lower Upper

75 100

53 0.0 59.0 176.8#

89 0.0 21.6 65.0#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

