

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058717.D
 Acq On : 11 Oct 2019 21:08
 Operator : JC/SP
 Sample : K5336-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 00:15:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	415015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	655651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	564059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	214048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	284689	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.57	113	206782	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.08	98	796662	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.41	95	253101	41.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.58%	

Target Compounds

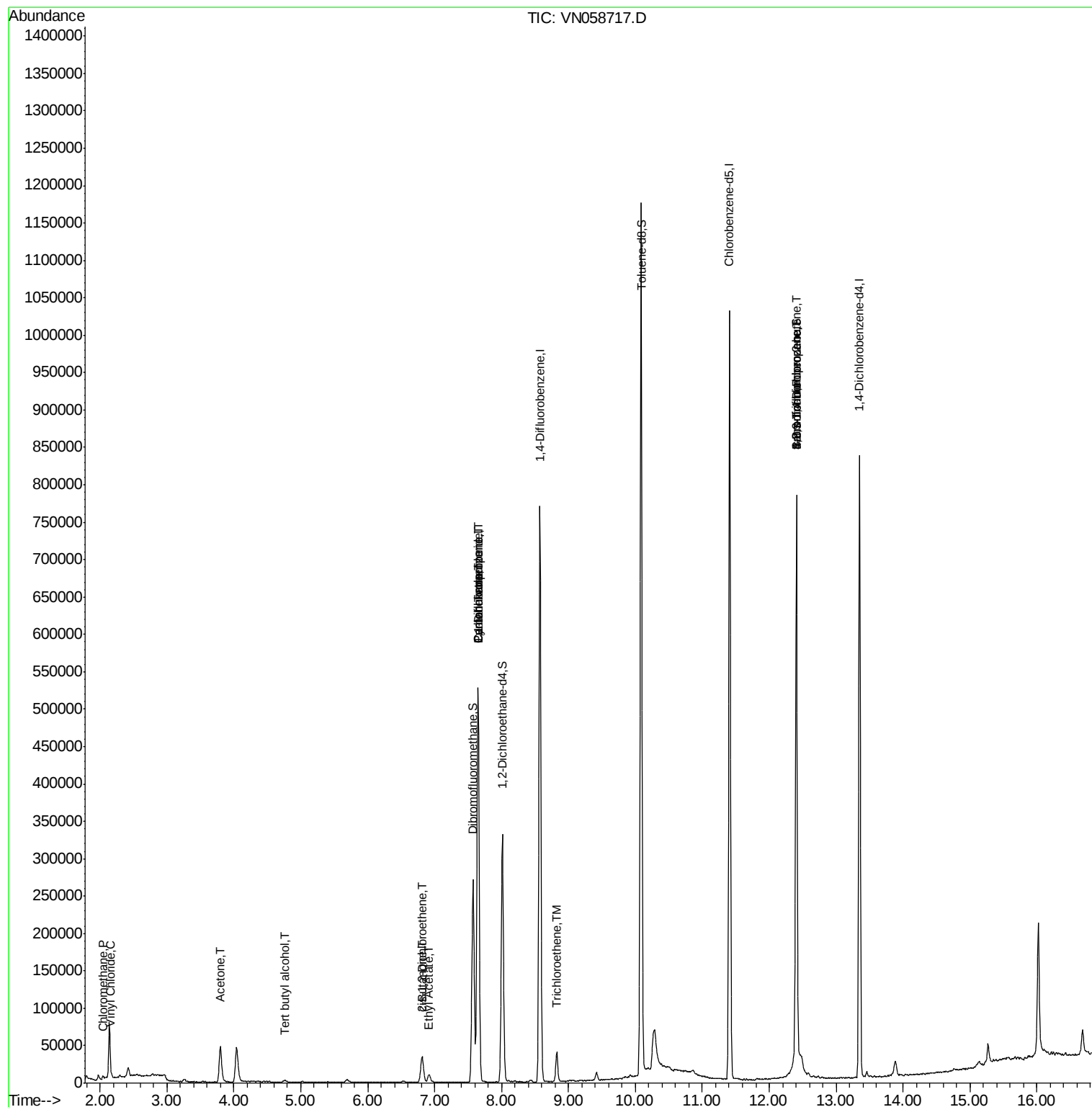
					Qvalue	
3) Chloromethane	2.04	50	3650	0.594	ug/l	95
4) Vinyl Chloride	2.17	62	3490	0.570	ug/l	92
11) Tert butyl alcohol	4.76	59	5474	5.817	ug/l #	85
16) Acetone	3.80	43	81953	34.071	ug/l	100
25) 2-Butanone	6.82	43	4632	1.332	ug/l	92
27) cis-1,2-Dichloroethene	6.81	96	19851	3.818	ug/l	79
31) Cyclohexane	7.65	56	10278	1.206	ug/l #	3
36) 1,1-Dichloropropene	7.65	75	34662	5.229	ug/l #	51
37) Ethyl Acetate	6.91	43	17721	2.643	ug/l #	93
38) Carbon Tetrachloride	7.65	117	42680	6.606	ug/l #	17
44) Trichloroethene	8.82	130	13629	2.883	ug/l	98
71) Bromoform	12.40	173	1474	0.475	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	134819	28.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	134819	76.908	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058717.D
Acq On : 11 Oct 2019 21:08
Operator : JC/SP
Sample : K5336-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 12 00:15:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 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: VN058717.D

Acq: 11 Oct 2019 21:08

Instrument :

MSVOA_N

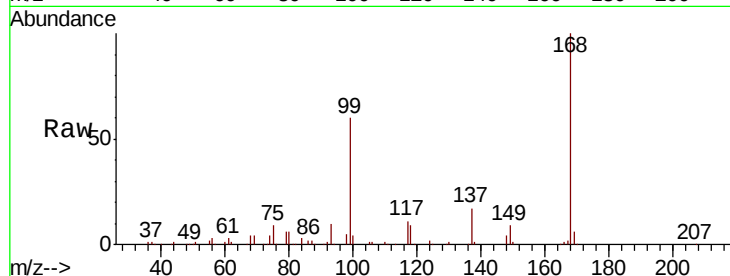
ClientSampleId :

Tot Ion:168 Resp: 415015

Ion Ratio Lower Upper

168 100

99 60.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

50000

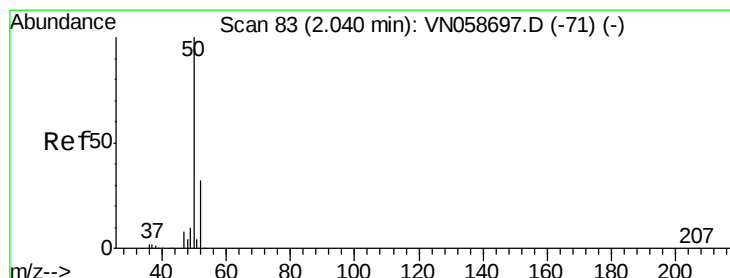
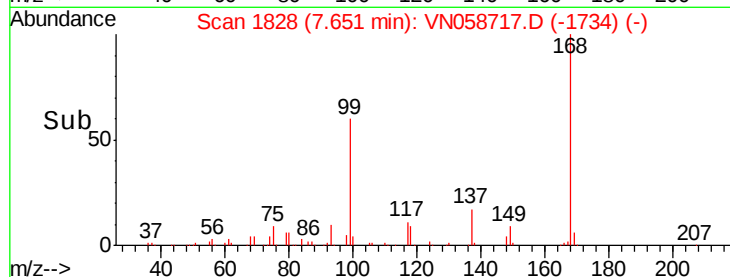
0

7.65

7.60

7.70

Time-->



#3

Chloromethane

Concen: 0.594 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058717.D

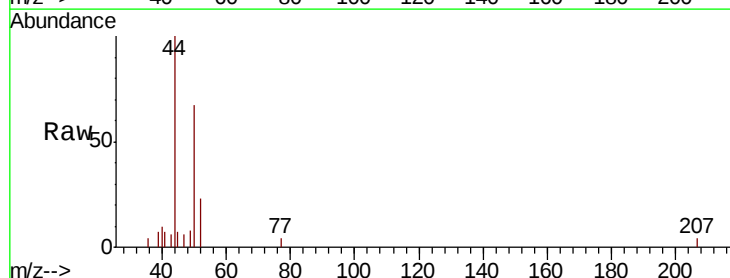
Acq: 11 Oct 2019 21:08

Tgt Ion: 50 Resp: 3650

Ion Ratio Lower Upper

50 100

52 34.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

3000

2500

2000

1500

1000

500

0

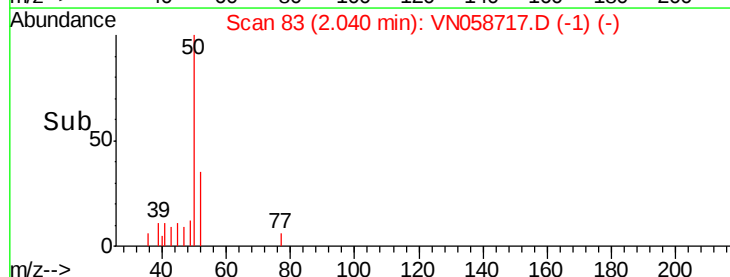
2.04

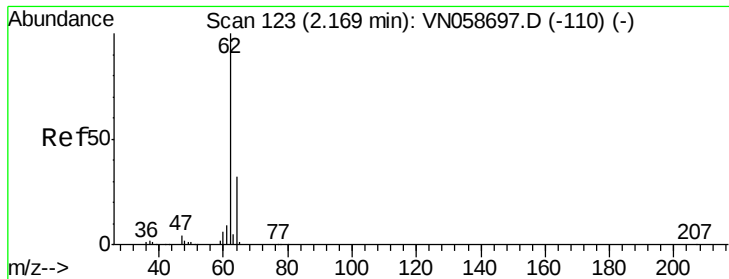
2.00

2.05

2.10

Time-->





#4

Vinyl Chloride

Concen: 0.570 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

Instrument :

MSVOA_N

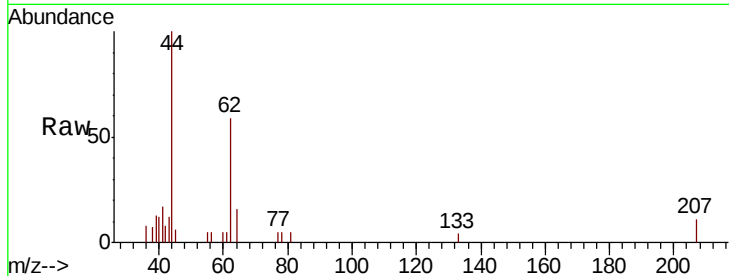
ClientSampled :

Tot Ion: 62 Resp: 3490

Ion Ratio Lower Upper

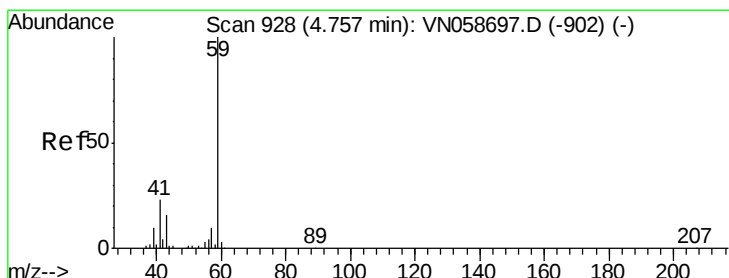
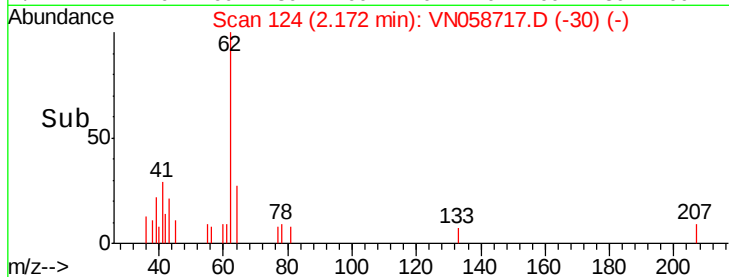
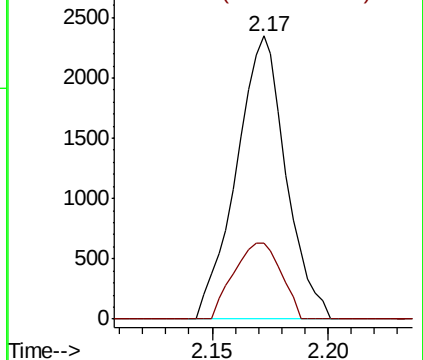
62 100

64 27.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#11

Tert butyl alcohol

Concen: 5.817 ug/l

RT: 4.76 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN058717.D

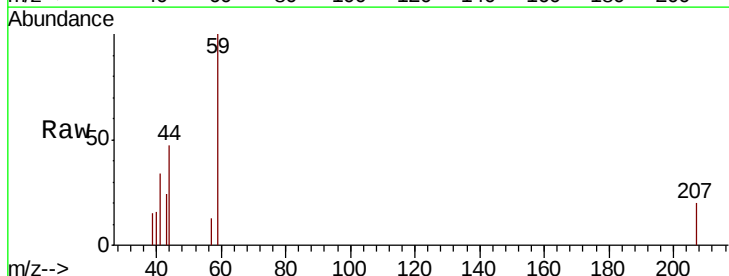
Acq: 11 Oct 2019 21:08

Tgt Ion: 59 Resp: 5474

Ion Ratio Lower Upper

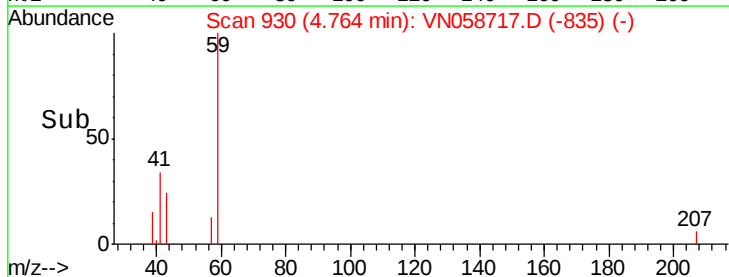
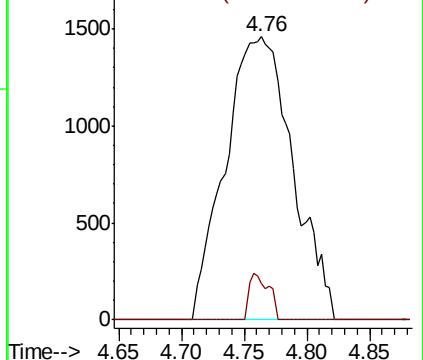
59 100

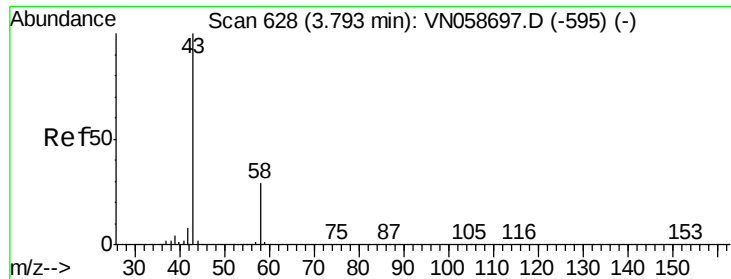
57 4.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 34.071 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

Instrument :

MSVOA_N

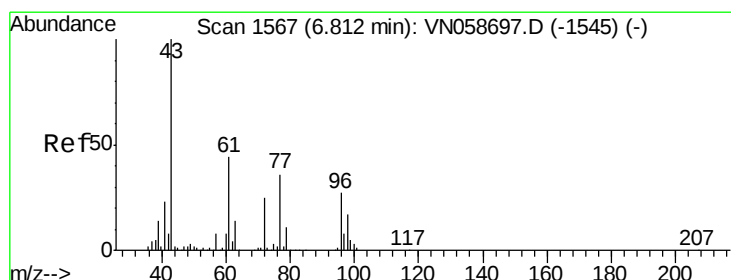
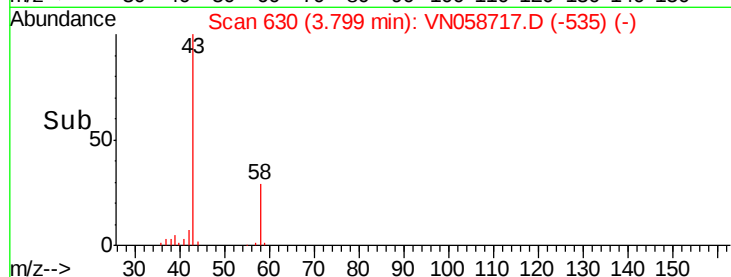
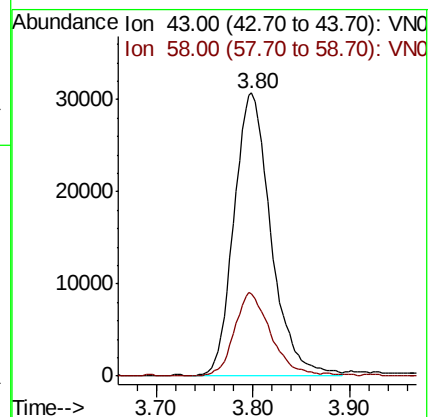
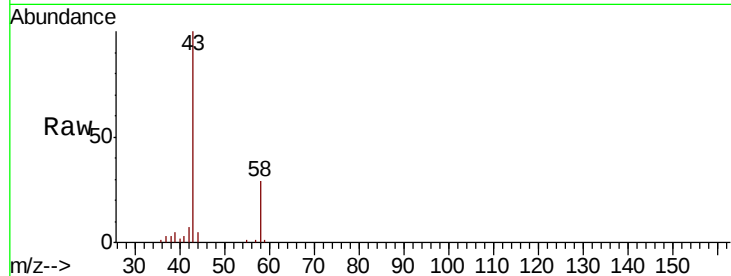
ClientSampleId :

Tot Ion: 43 Resp: 81953

Ion Ratio Lower Upper

43 100

58 29.1 23.3 34.9



#25

2-Butanone

Concen: 1.332 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058717.D

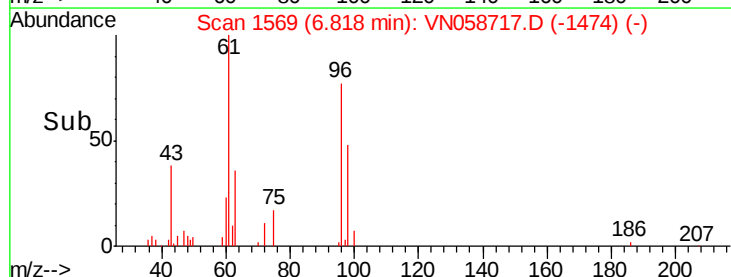
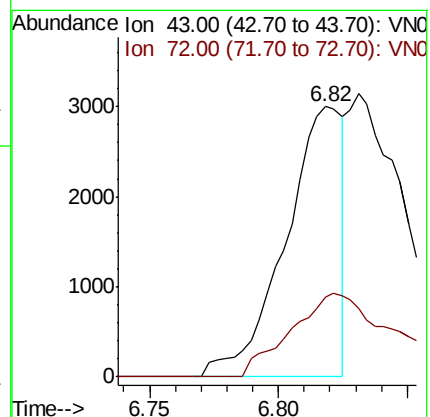
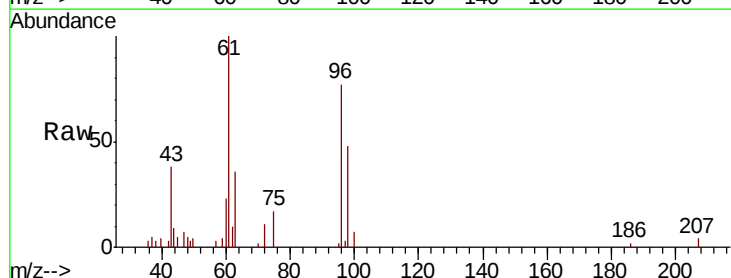
Acq: 11 Oct 2019 21:08

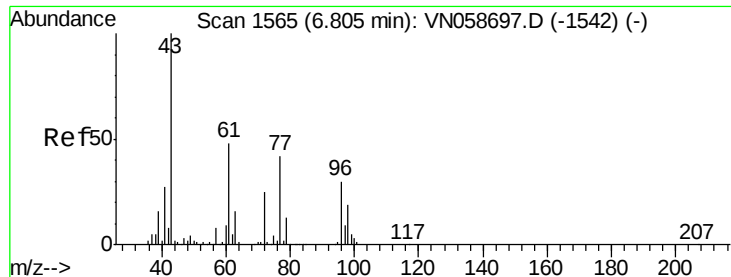
Tgt Ion: 43 Resp: 4632

Ion Ratio Lower Upper

43 100

72 29.4 20.2 30.2





#27

cis-1,2-Dichloroethene

Concen: 3.818 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

Instrument :

MSVOA_N

ClientSampled :

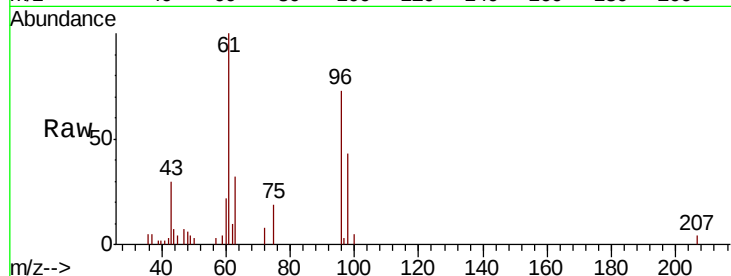
Tot Ion: 96 Resp: 19851

Ion Ratio Lower Upper

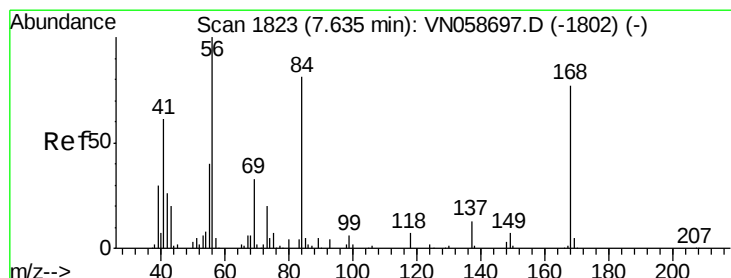
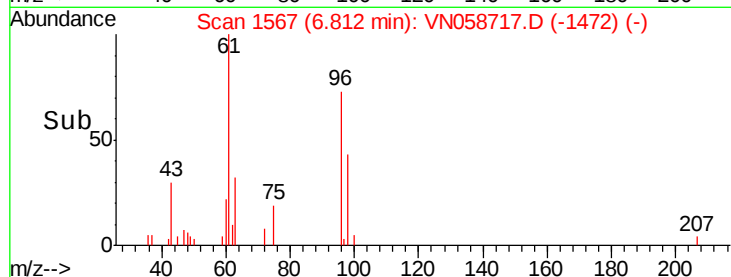
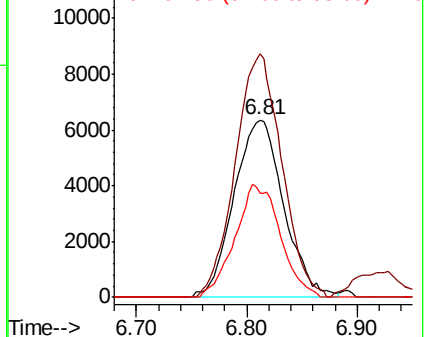
96 100

61 128.2 0.0 324.8

98 58.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

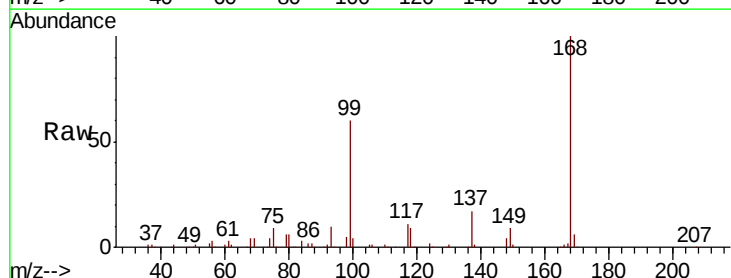
Tgt Ion: 56 Resp: 10278

Ion Ratio Lower Upper

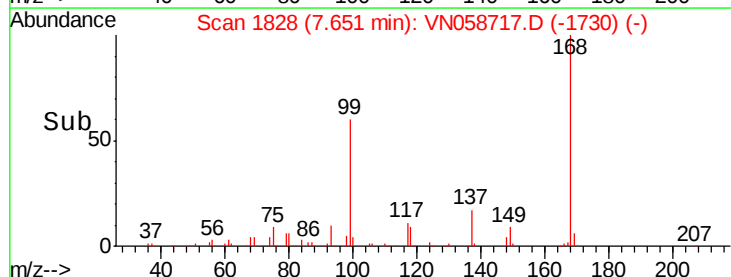
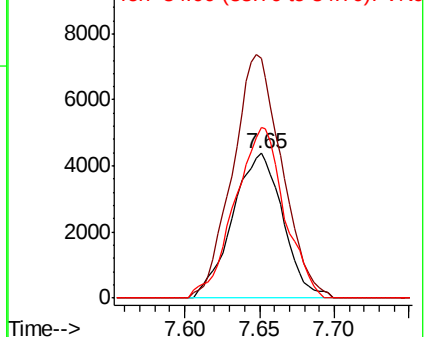
56 100

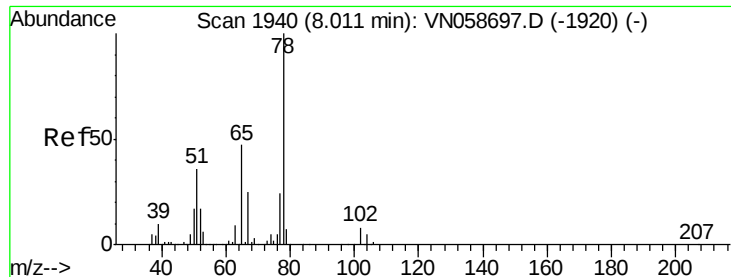
69 165.1 26.2 39.4#

84 118.2 64.9 97.3#



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

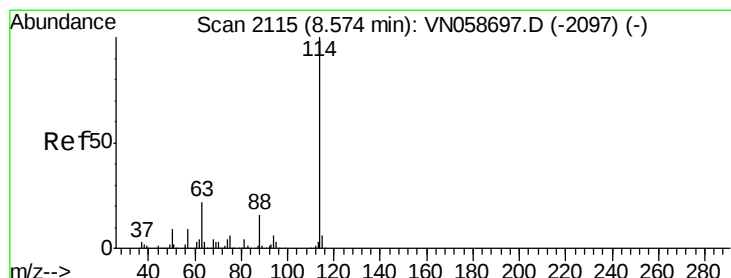
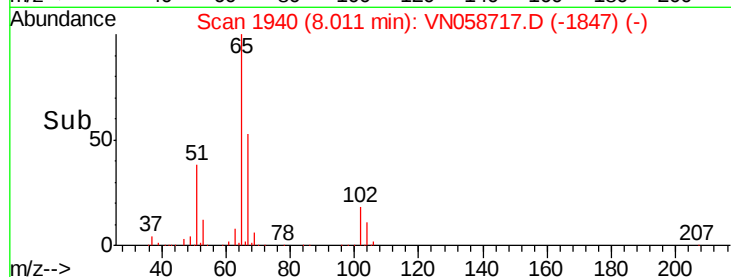
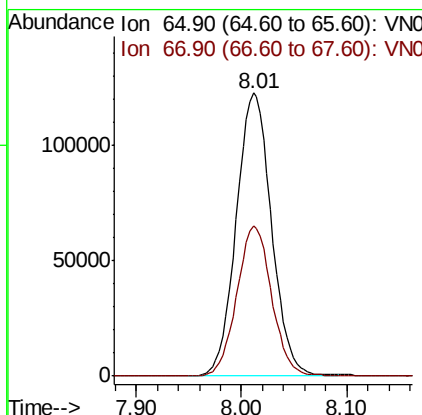
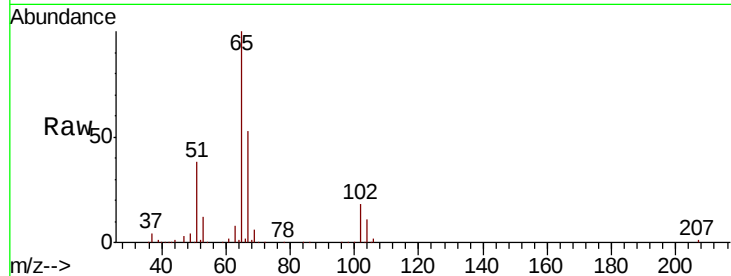




#33
 1,2-Dichloroethane-d4
 Concen: 48.999 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058717.D
 Acq: 11 Oct 2019 21:08

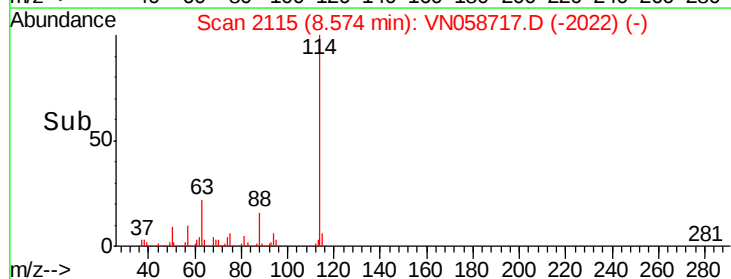
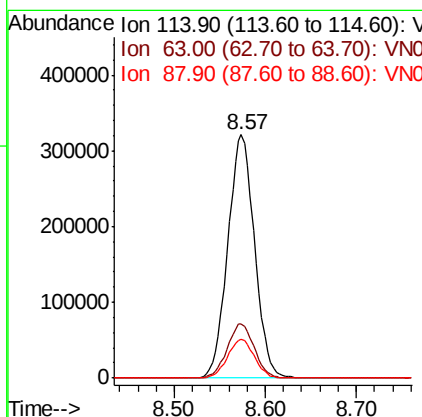
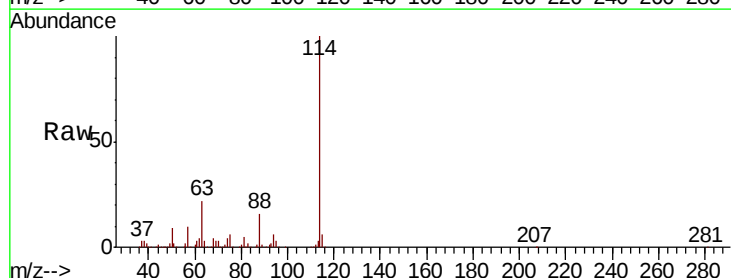
Instrument :
 MSVOA_N
 ClientSampled :

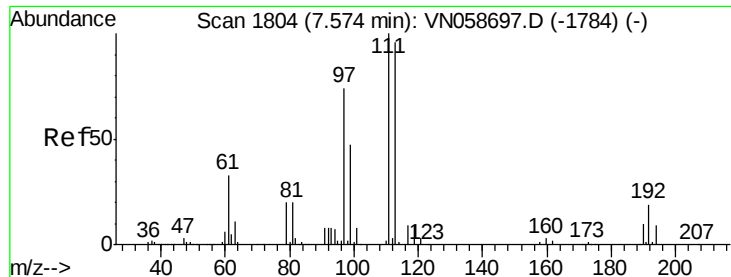
Tot Ion: 65 Resp: 284689
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058717.D
 Acq: 11 Oct 2019 21:08

Tgt Ion: 114 Resp: 655651
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 15.9 0.0 32.0

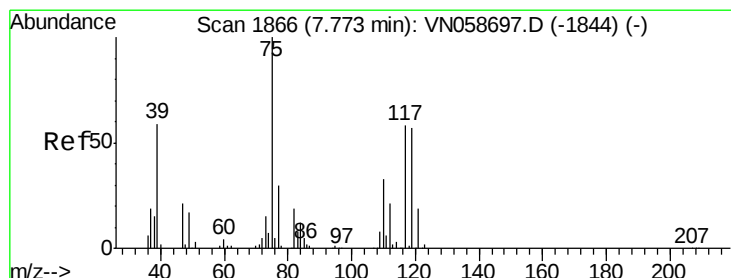
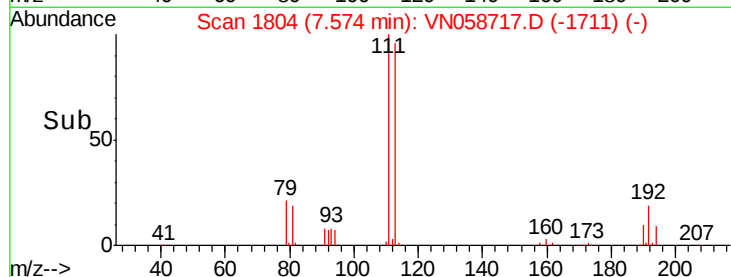
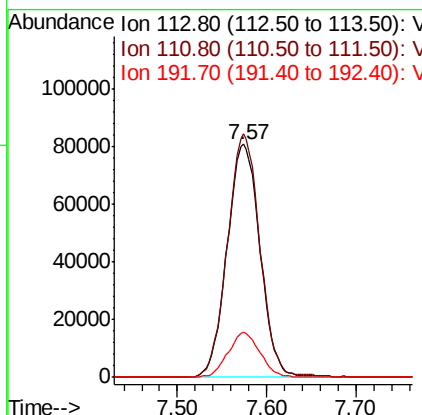
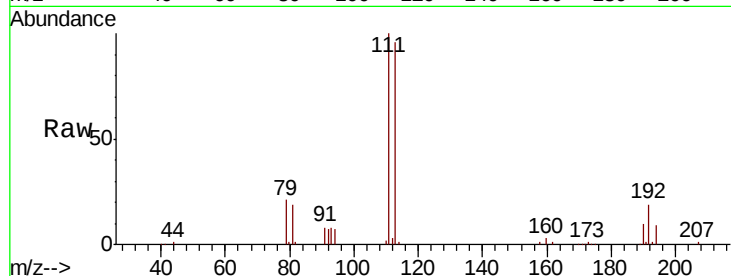




#35
Dibromofluoromethane
Concen: 51.060 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058717.D
Acq: 11 Oct 2019 21:08

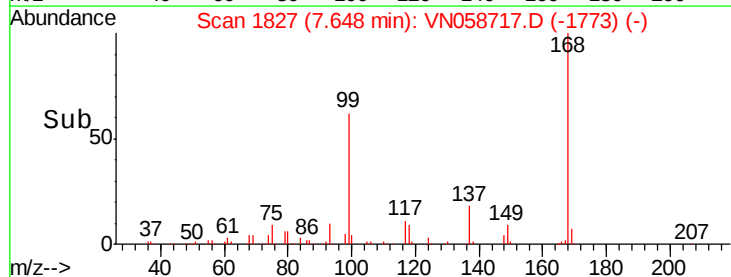
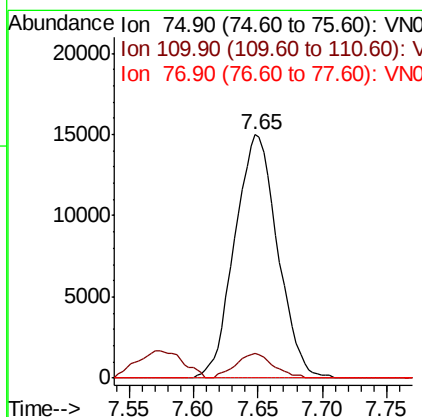
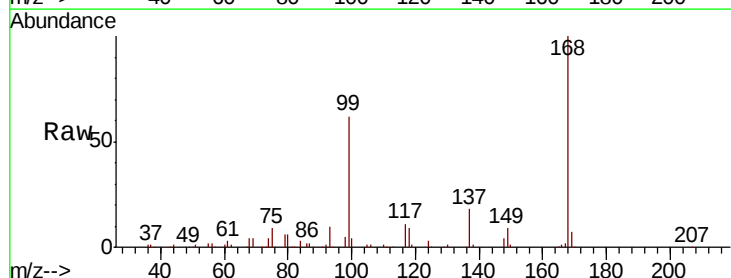
Instrument :
MSVOA_N
ClientSampleId :

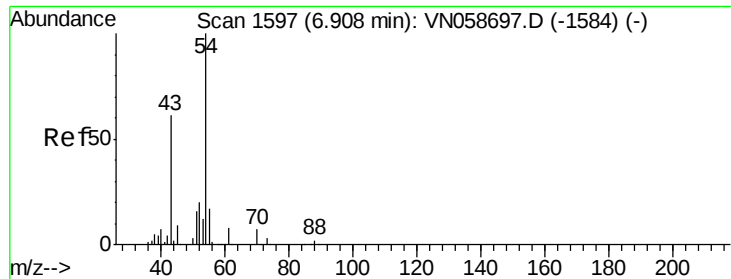
Tot Ion:113 Resp: 206782
Ion Ratio Lower Upper
113 100
111 102.8 82.3 123.5
192 18.8 15.0 22.6



#36
1,1-Dichloropropene
Concen: 5.229 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.13 min
Lab File: VN058717.D
Acq: 11 Oct 2019 21:08

Tgt Ion: 75 Resp: 34662
Ion Ratio Lower Upper
75 100
110 9.0 16.6 49.8#
77 0.0 24.6 37.0#

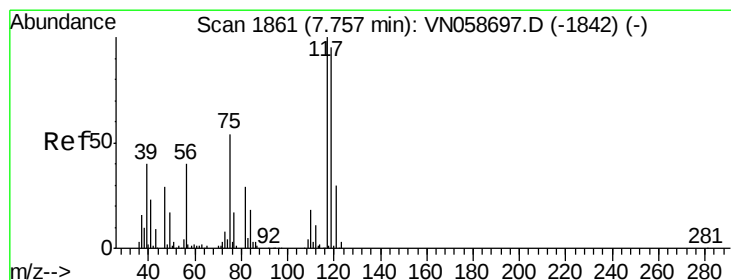
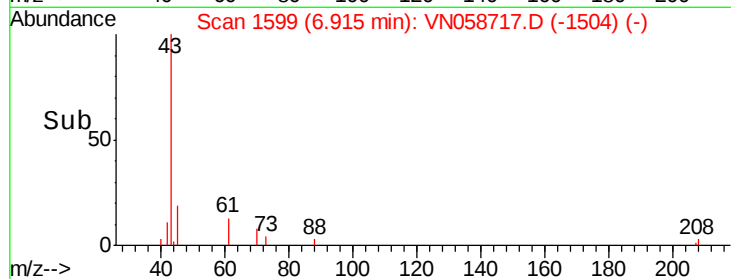
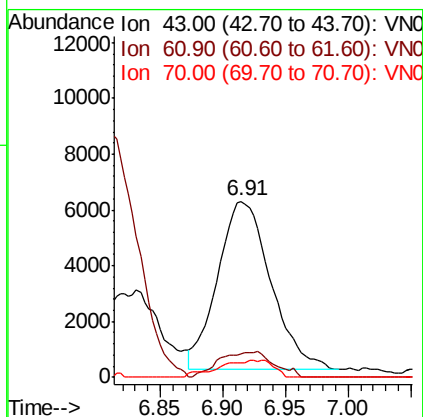
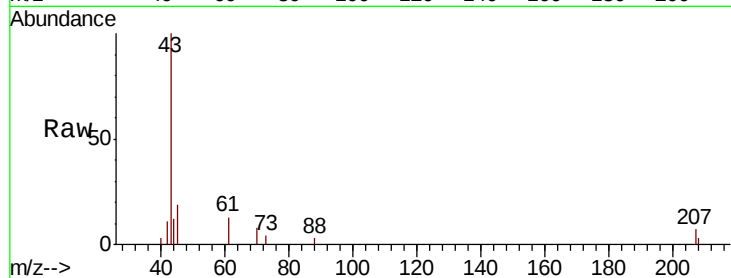




#37
Ethyl Acetate
Concen: 2.643 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN058717.D
Acq: 11 Oct 2019 21:08

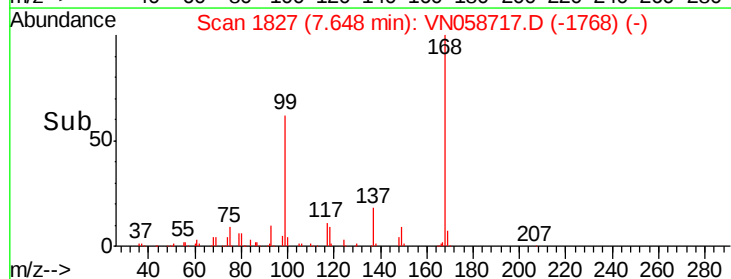
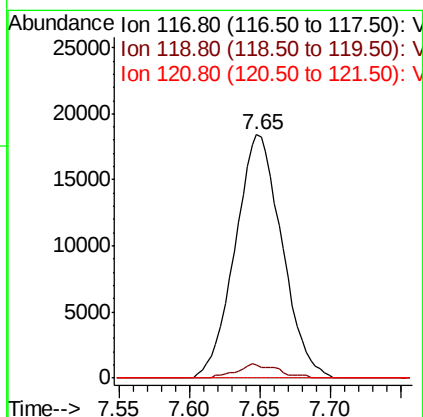
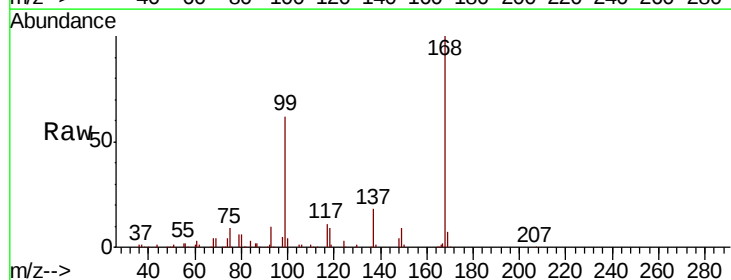
Instrument :
MSVOA_N
ClientSampled :

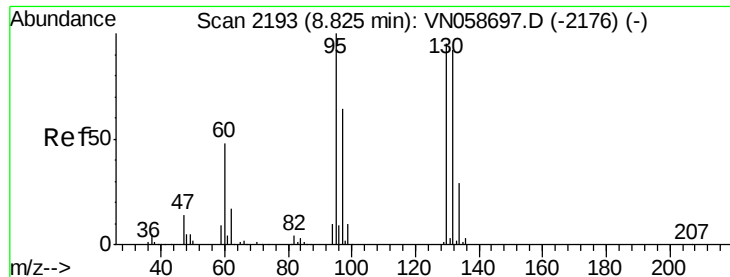
Tot Ion: 43 Resp: 17721
Ion Ratio Lower Upper
43 100
61 15.9 11.3 16.9
70 5.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.606 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058717.D
Acq: 11 Oct 2019 21:08

Tgt Ion: 117 Resp: 42680
Ion Ratio Lower Upper
117 100
119 5.3 75.7 113.5#
121 0.0 23.9 35.9#





#44

Trichloroethene

Concen: 2.883 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

Instrument :

MSVOA_N

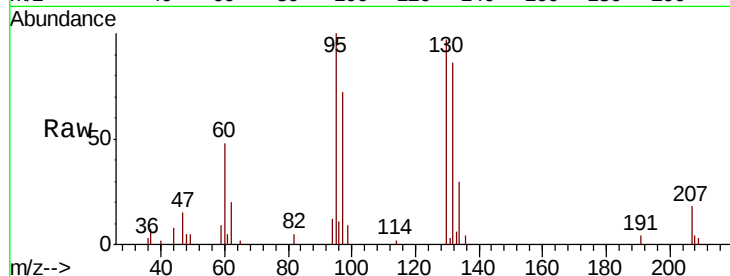
ClientSampleId :

Tot Ion:130 Resp: 13629

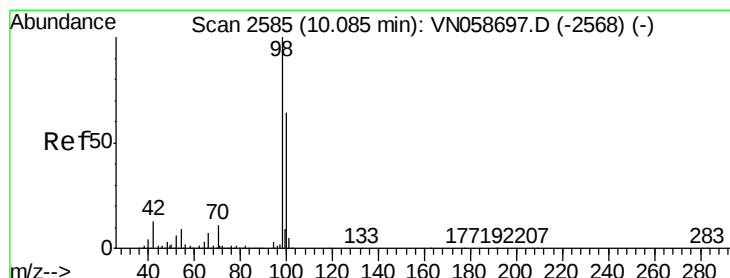
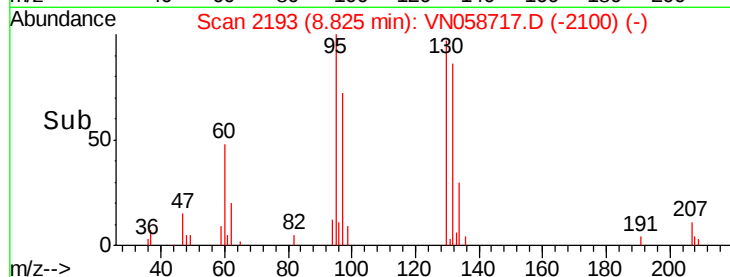
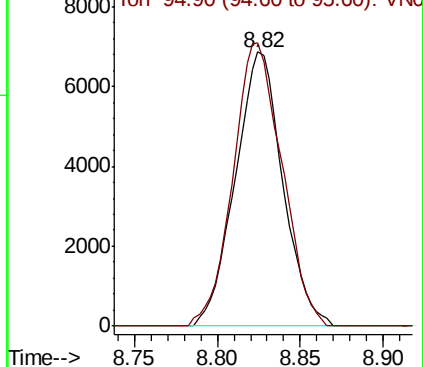
Ion Ratio Lower Upper

130 100

95 103.2 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058717.D (-2176) (-)



#50

Toluene-d8

Concen: 49.193 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058717.D

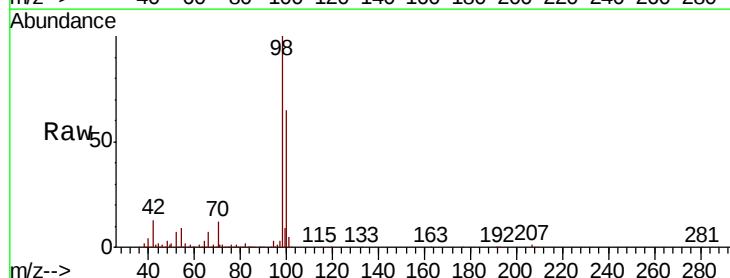
Acq: 11 Oct 2019 21:08

Tgt Ion: 98 Resp: 796662

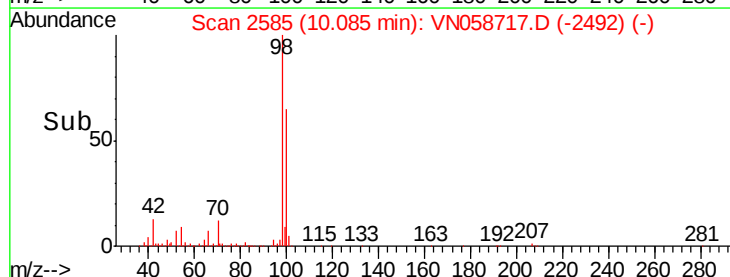
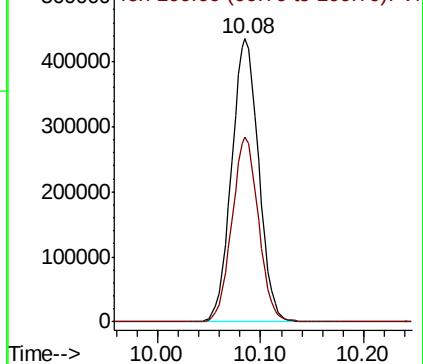
Ion Ratio Lower Upper

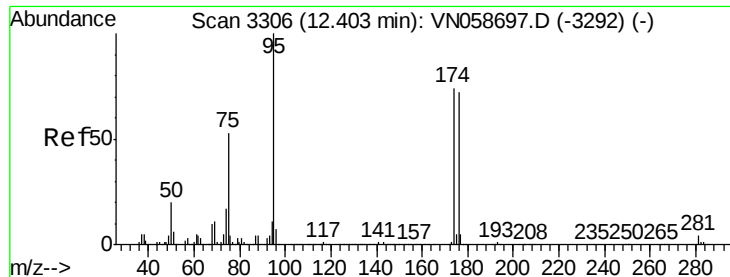
98 100

100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058717.D (-2568) (-)





#62

4-Bromofluorobenzene

Concen: 41.288 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

Instrument :

MSVOA_N

ClientSampleId :

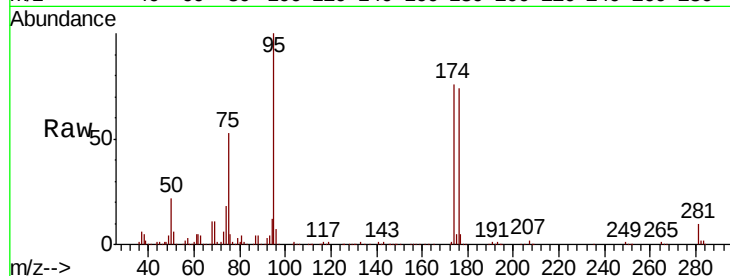
Tot Ion: 95 Resp: 253101

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.4

176 72.5 0.0 146.8

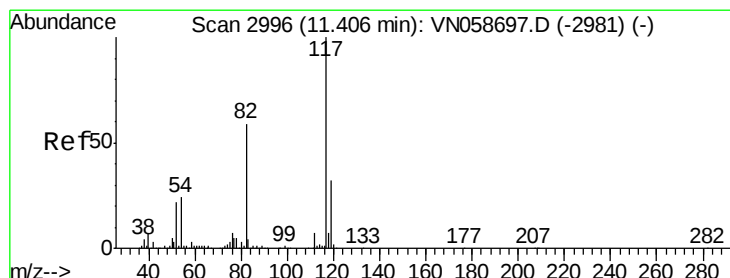
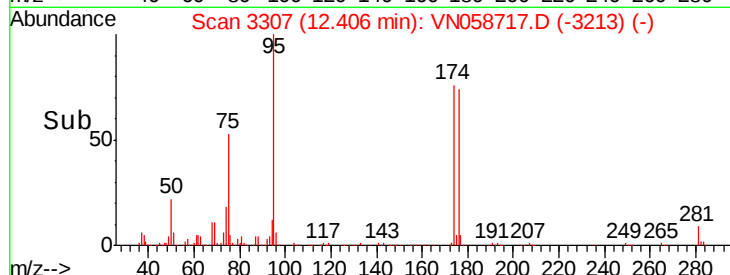
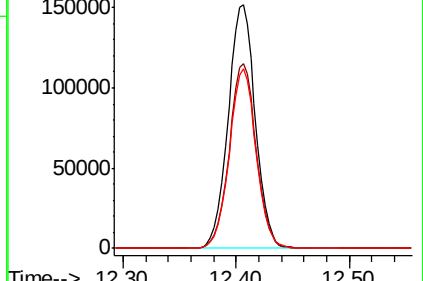


Abundance Ion 94.90 (94.60 to 95.60): VN058697.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058697.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058697.D (-3292) (-)

12.41



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

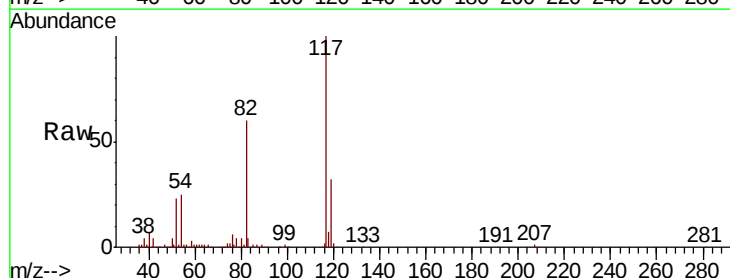
Tgt Ion: 117 Resp: 564059

Ion Ratio Lower Upper

117 100

82 60.1 47.0 70.4

119 32.0 25.4 38.2

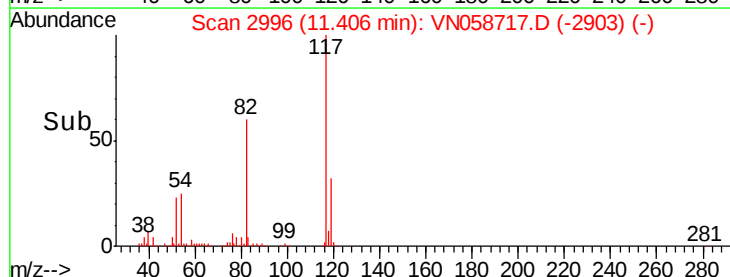
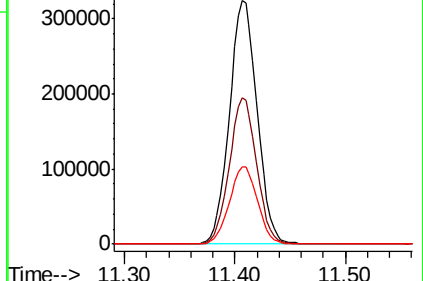


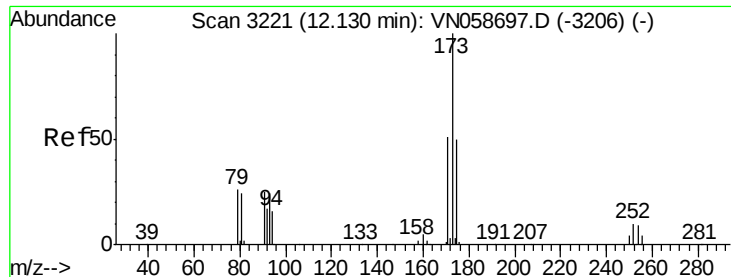
Abundance Ion 116.90 (116.60 to 117.60): VN058697.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058697.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058697.D (-2981) (-)

11.41





#71

Bromoform

Concen: 0.475 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

Instrument :

MSVOA_N

ClientSampleId :

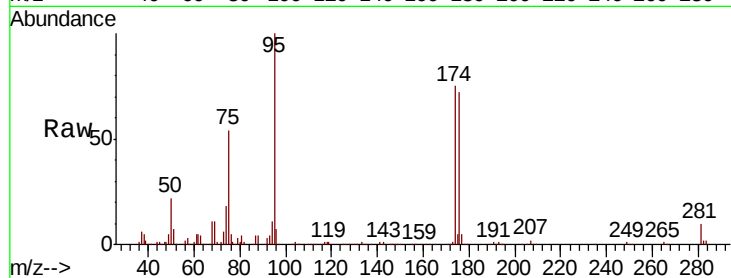
Tot Ion:173 Resp: 1474

Ion Ratio Lower Upper

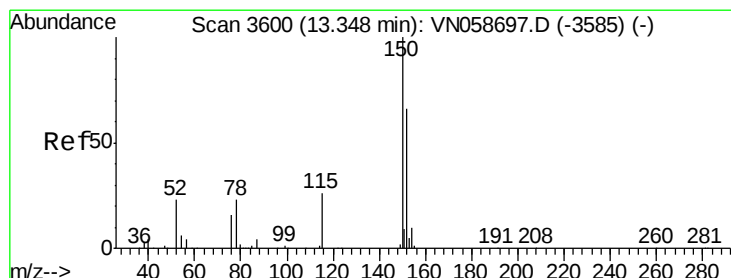
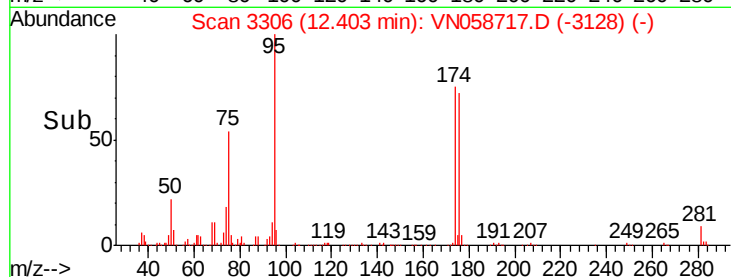
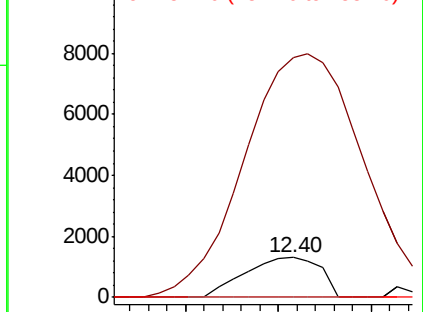
173 100

175 824.0 24.6 73.8#

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: VN058717.D

Acq: 11 Oct 2019 21:08

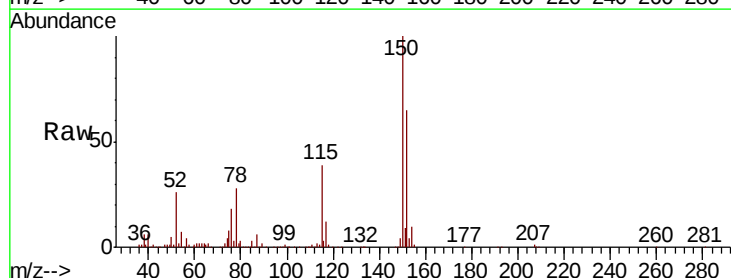
Tgt Ion:152 Resp: 214048

Ion Ratio Lower Upper

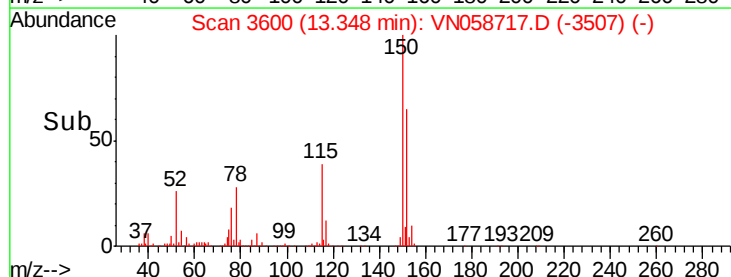
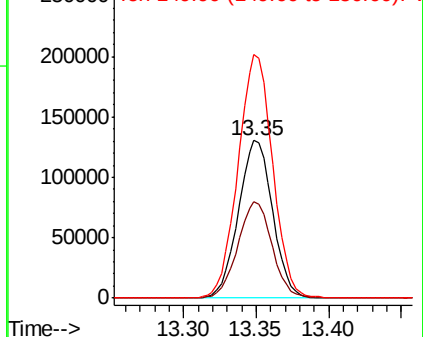
152 100

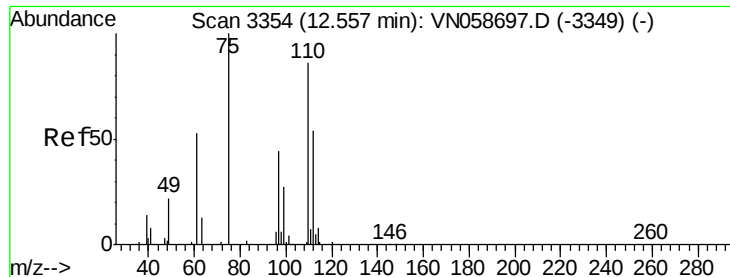
115 60.9 30.4 91.2

150 155.8 0.0 345.4



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





#76

1,2,3-Trichloropropane

Concen: 28.711 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

Instrument :

MSVOA_N

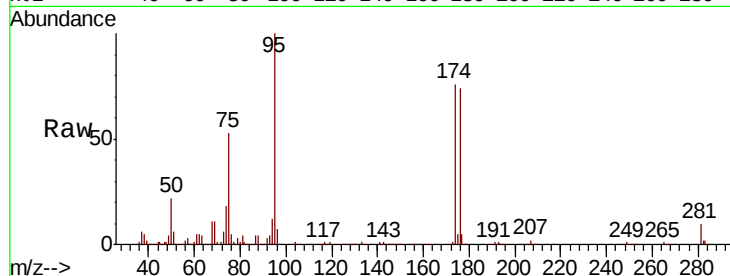
ClientSampleId :

Tot Ion: 75 Resp: 134819

Ion Ratio Lower Upper

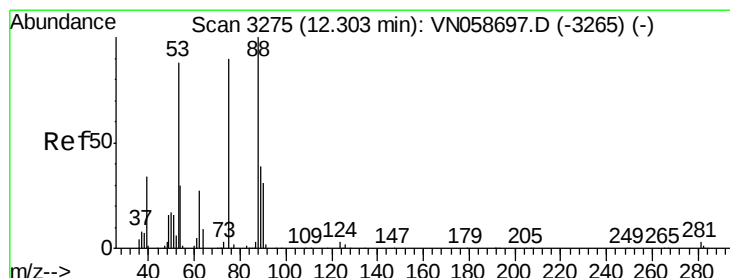
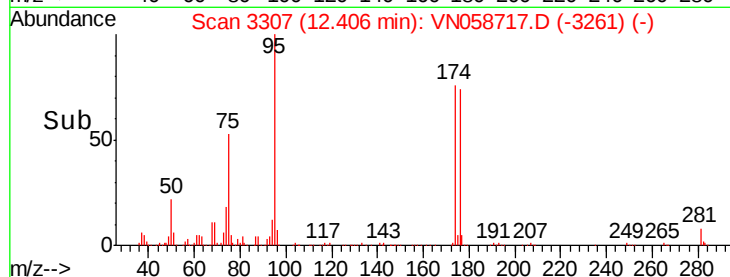
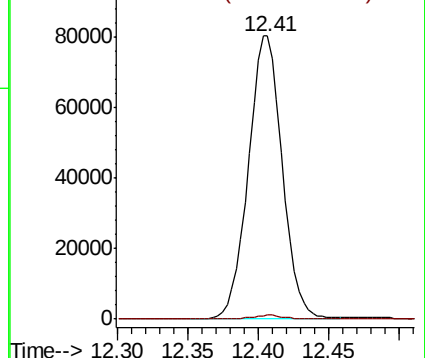
75 100

77 1.4 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: 76.908 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058717.D

Acq: 11 Oct 2019 21:08

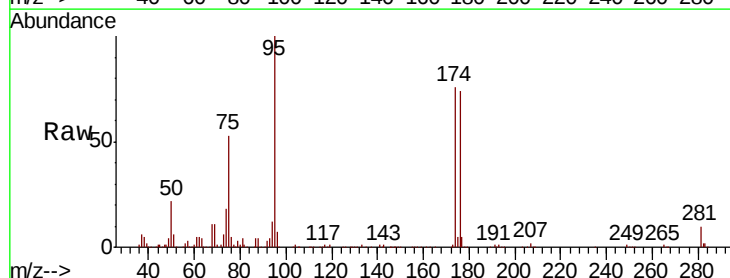
Tgt Ion: 75 Resp: 134819

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.1 34.9 52.3#



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

