

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058759.D
 Acq On : 14 Oct 2019 19:08
 Operator : JC/SP
 Sample : PB123907TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB123907TB

Quant Time: Oct 15 03:15:18 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	396602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	669461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	620718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249702	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	306907	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	
35) Dibromofluoromethane	7.57	113	216258	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
50) Toluene-d8	10.08	98	819564	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.41	95	272839	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	

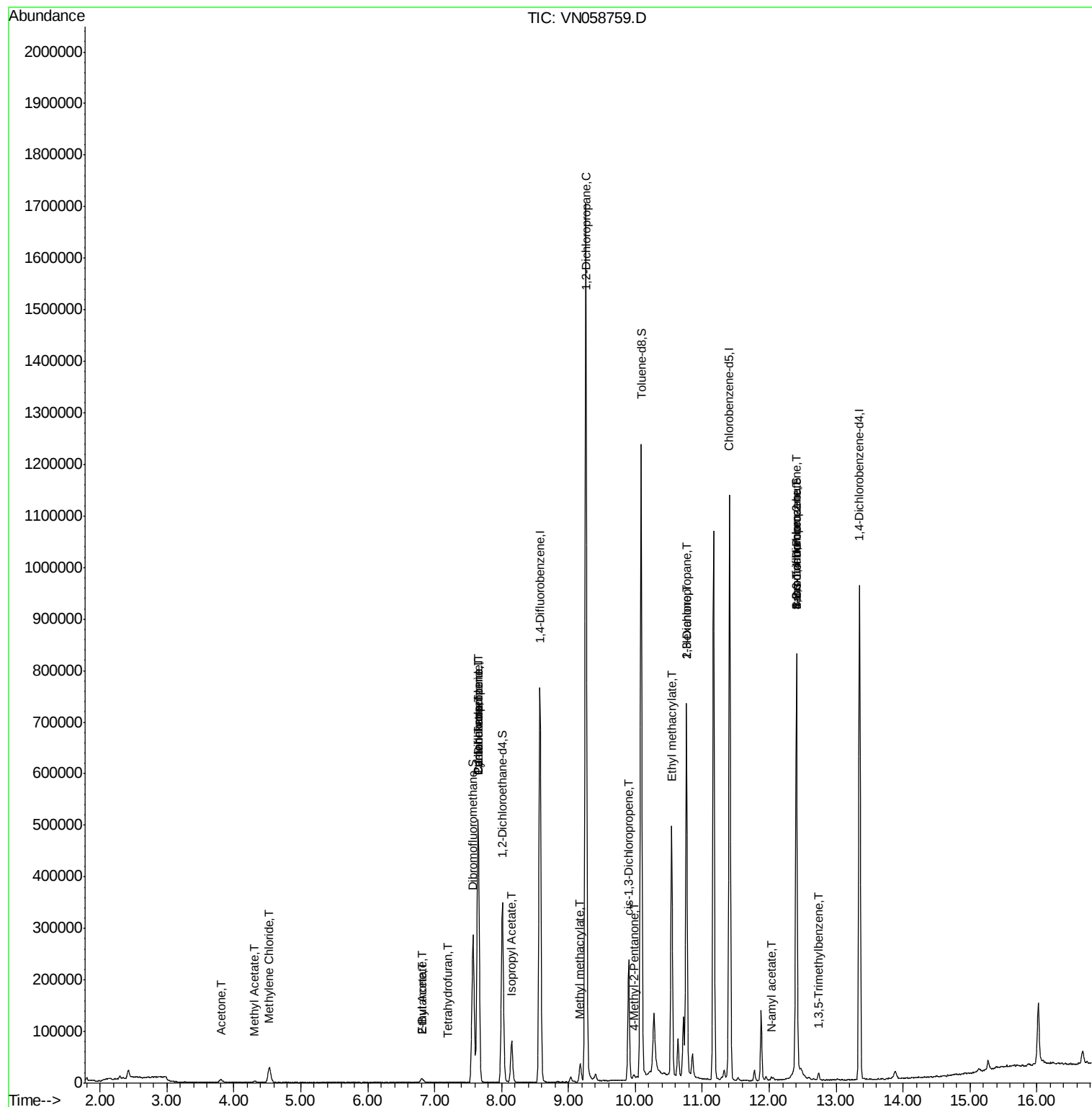
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	10568	4.597	ug/l #	84
18) Methyl Acetate	4.30	43	2050	0.352	ug/l #	76
20) Methylene Chloride	4.53	84	20852	4.340	ug/l	97
25) 2-Butanone	6.82	43	4973	1.497	ug/l #	77
29) Tetrahydrofuran	7.20	42	442	0.206	ug/l #	35
31) Cyclohexane	7.65	56	9653	1.185	ug/l #	14
36) 1,1-Dichloropropene	7.65	75	33518	4.952	ug/l #	50
37) Ethyl Acetate	6.82	43	4973	0.726	ug/l #	71
38) Carbon Tetrachloride	7.65	117	40843	6.191	ug/l #	17
43) Isopropyl Acetate	8.15	43	94337	8.090	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	1939	0.373	ug/l #	45
48) Methyl methacrylate	9.17	41	5550	1.050	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	5881	0.898	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	37835	4.624	ug/l #	67
56) Ethyl methacrylate	10.54	69	2085	0.293	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7087	0.855	ug/l #	42
59) 2-Hexanone	10.76	43	110175	21.768	ug/l #	53
71) Bromoform	12.40	173	1090	0.319	ug/l #	1
74) N-amyl acetate	12.03	43	5257	0.647	ug/l #	46
76) 1,2,3-Trichloropropane	12.41	75	146118	26.674	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	7330	0.475	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.41	75	146118	71.452	ug/l #	11

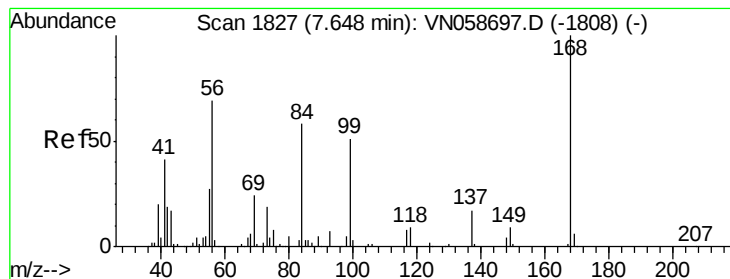
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

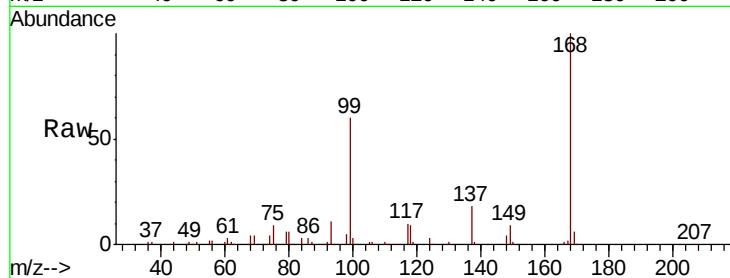
PB123907TB

Tot Ion:168 Resp: 396602

Ion Ratio Lower Upper

168 100

99 59.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058697.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058697.D (-1808) (-)

7.65

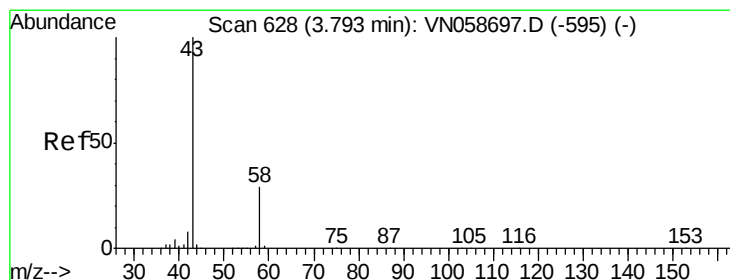
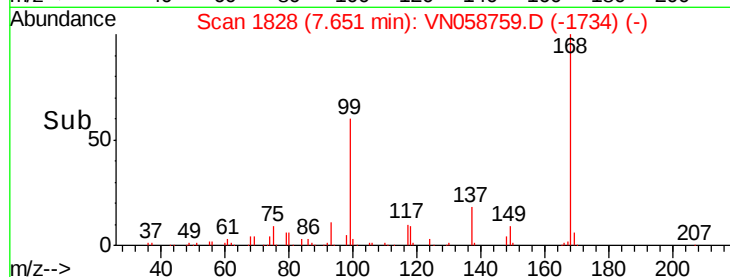
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.597 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058759.D

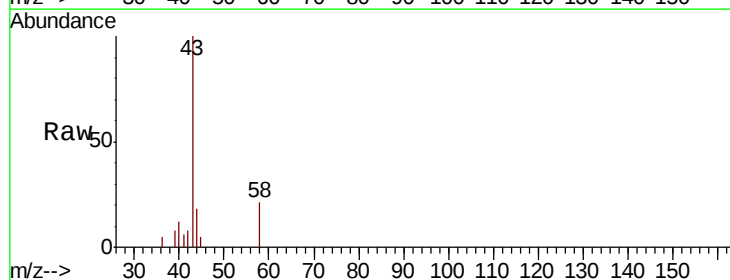
Acq: 14 Oct 2019 19:08

Tgt Ion: 43 Resp: 10568

Ion Ratio Lower Upper

43 100

58 20.7 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-595) (-)

3.80

4000

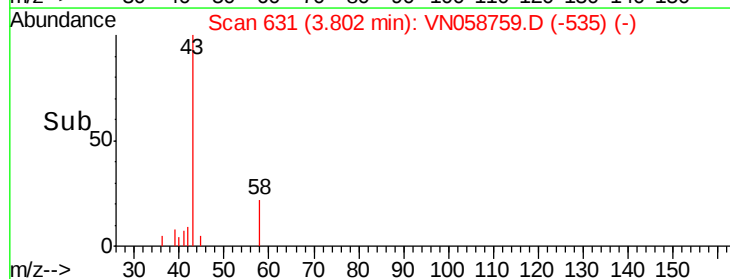
3000

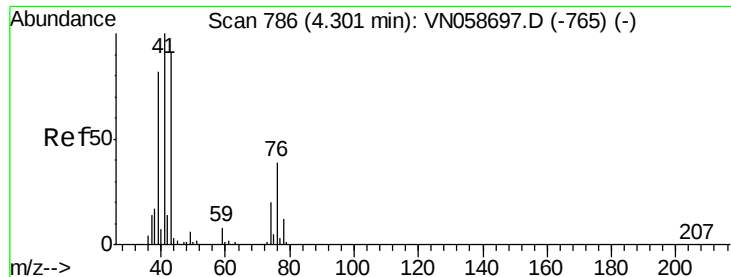
2000

1000

0

Time-->

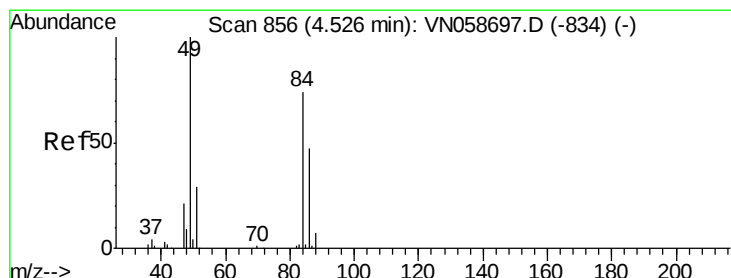
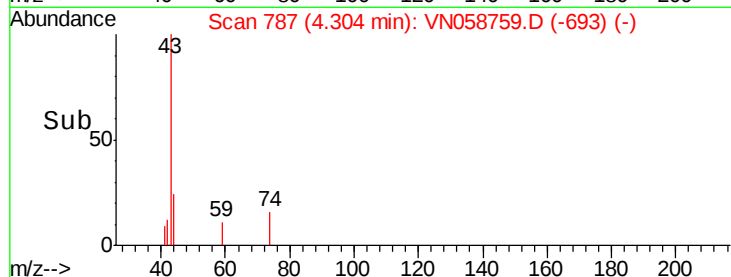
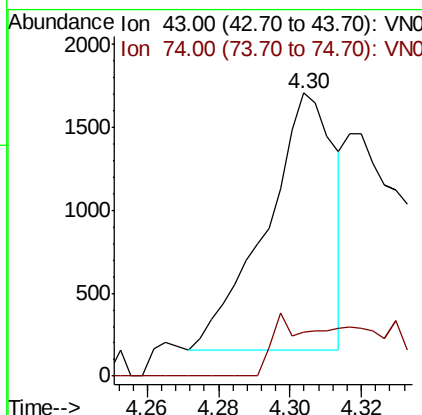
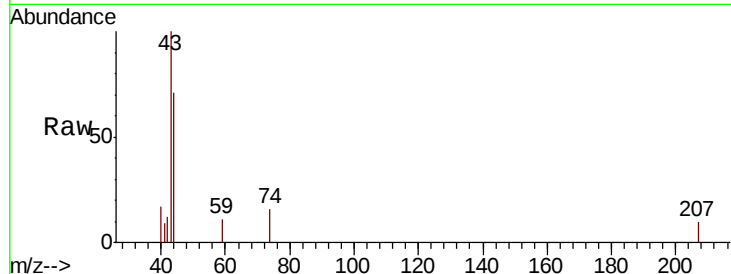




#18
Methyl Acetate
Concen: 0.352 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

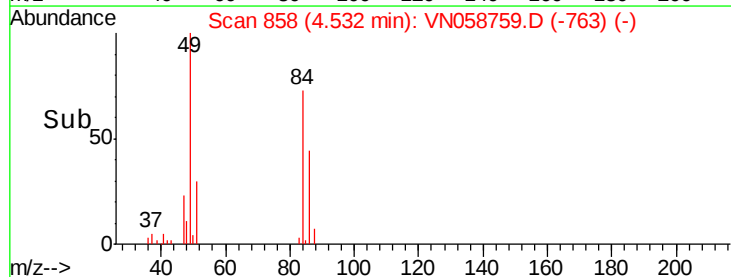
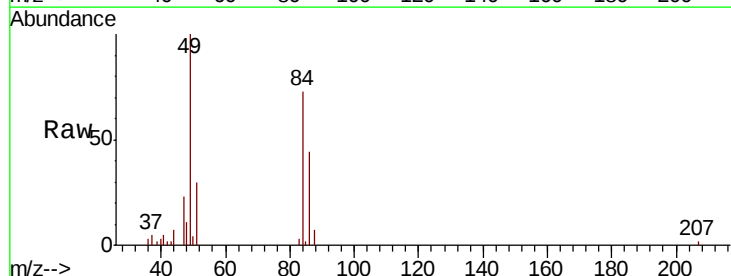
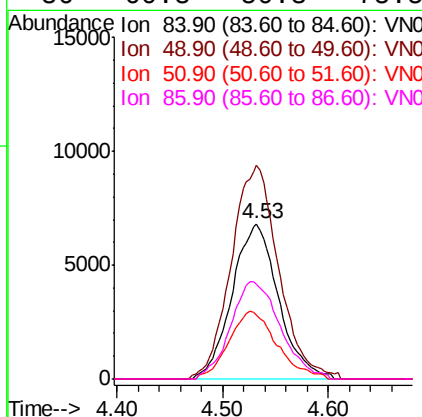
Instrument :
MSVOA_N
ClientSampleId :
PB123907TB

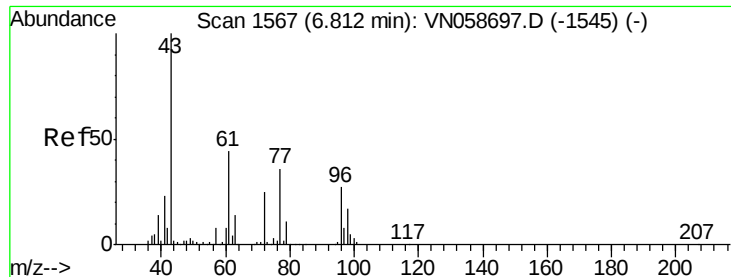
Tot Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
74 10.0 17.2 25.8#



#20
Methylene Chloride
Concen: 4.340 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion: 84 Resp: 20852
Ion Ratio Lower Upper
84 100
49 137.4 107.6 161.4
51 40.9 31.4 47.0
86 60.8 50.3 75.5





#25

2-Butanone

Concen: 1.497 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampled :

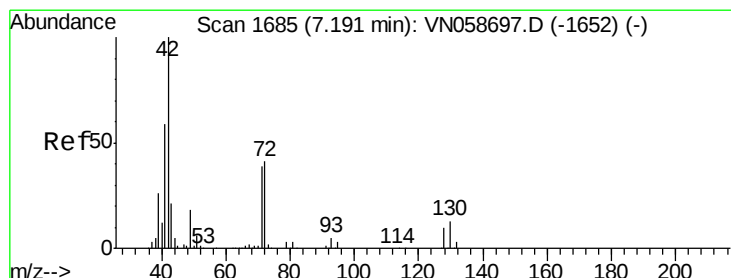
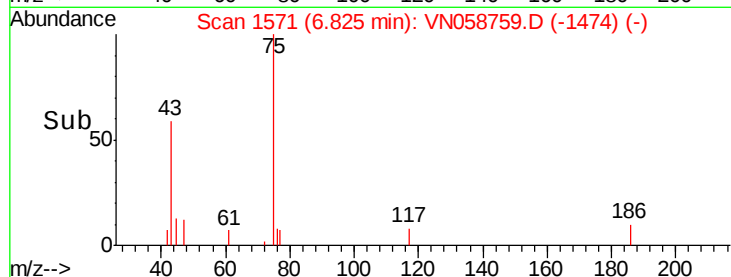
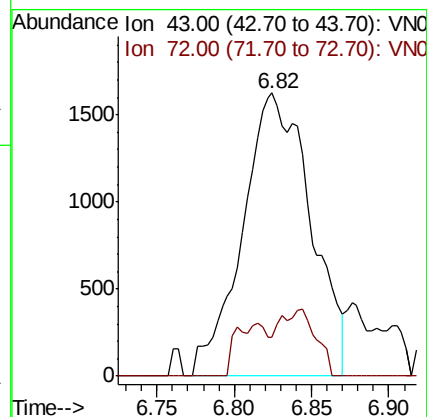
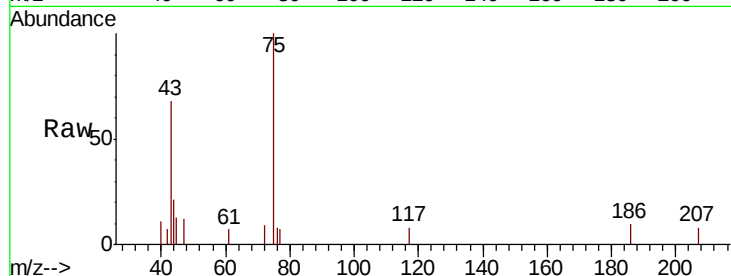
PB123907TB

Tot Ion: 43 Resp: 4973

Ion Ratio Lower Upper

43 100

72 13.7 20.2 30.2#



#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

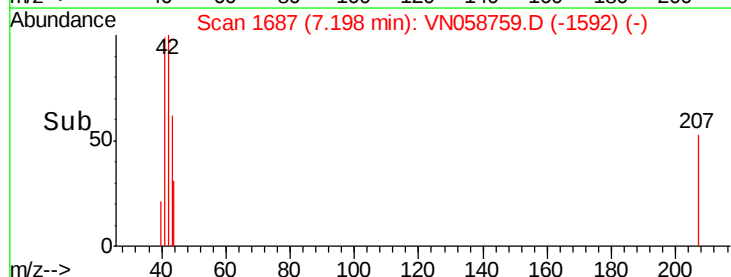
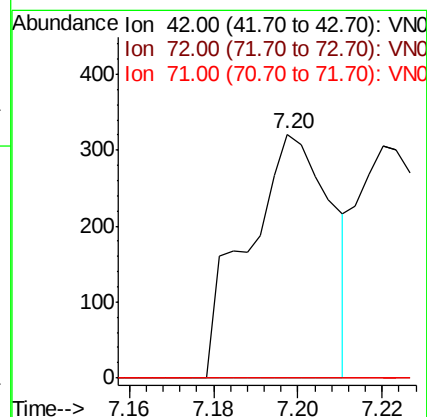
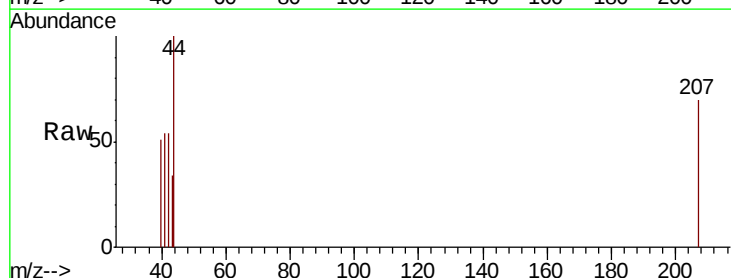
Tgt Ion: 42 Resp: 442

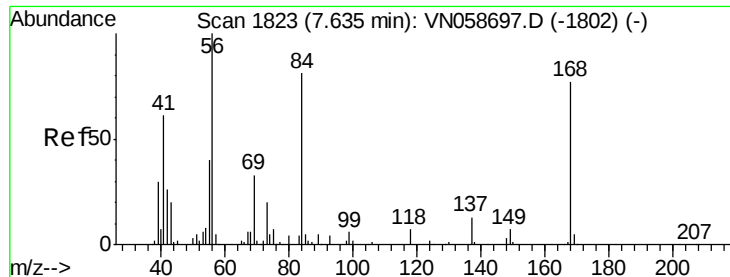
Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.1 46.7#

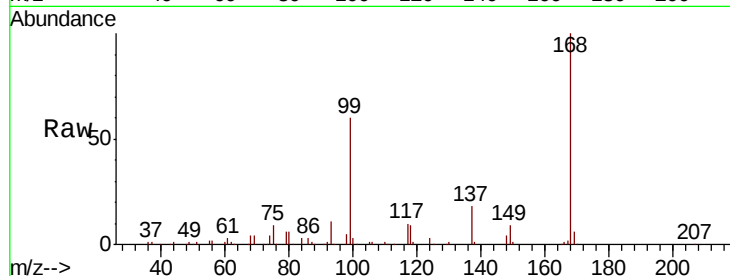




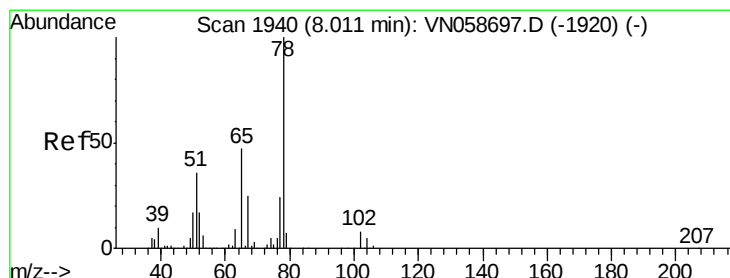
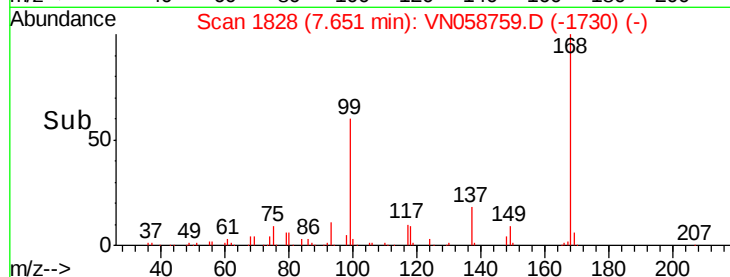
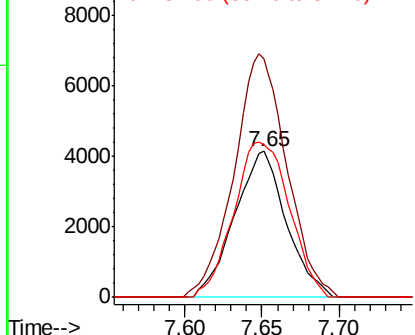
#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
PB123907TB

Tot Ion: 56 Resp: 9653
Ion Ratio Lower Upper
56 100
69 163.9 26.2 39.4#
84 104.5 64.9 97.3#

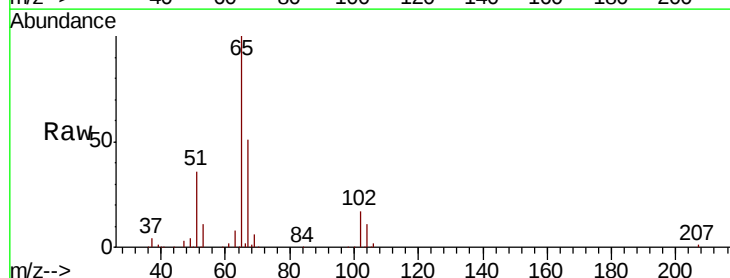


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

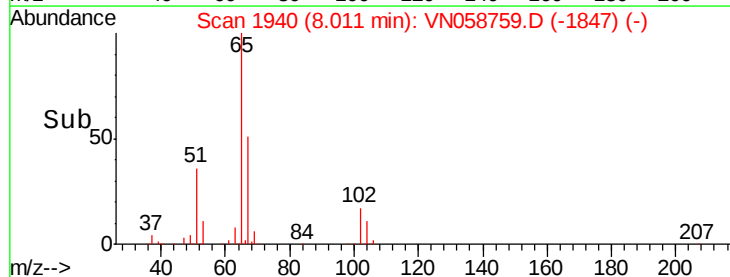
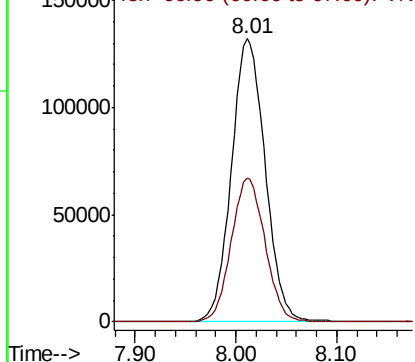


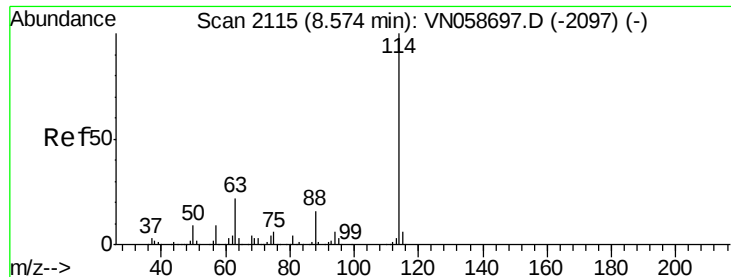
#33
1,2-Dichloroethane-d4
Concen: 55.275 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion: 65 Resp: 306907
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.8



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

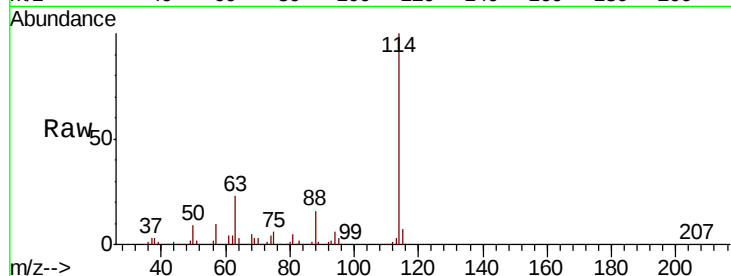




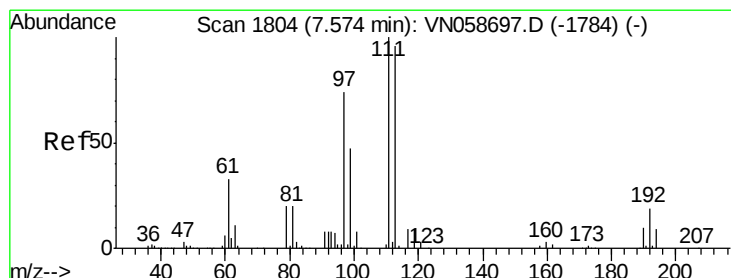
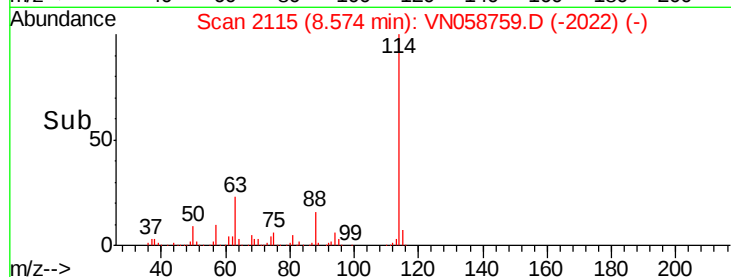
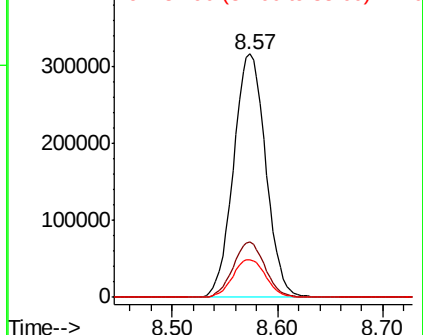
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Instrument :
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PB123907TB

Tot Ion:114 Resp: 669461
Ion Ratio Lower Upper
114 100
63 22.7 0.0 43.8
88 15.6 0.0 32.0

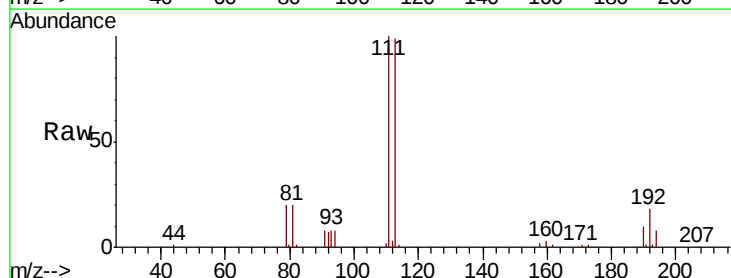


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

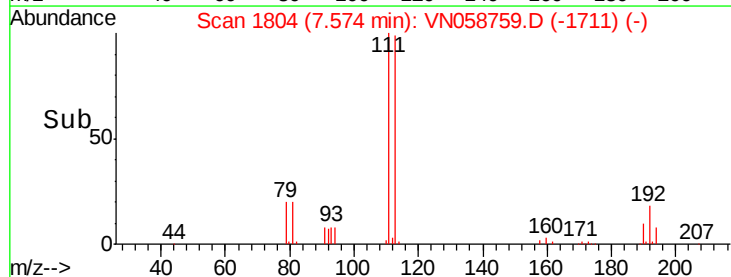
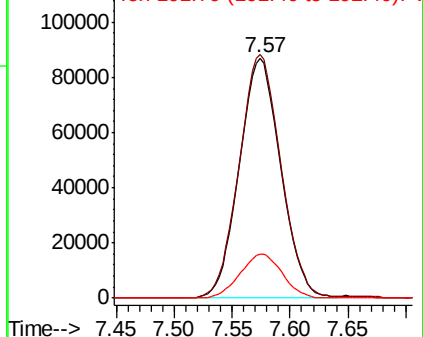


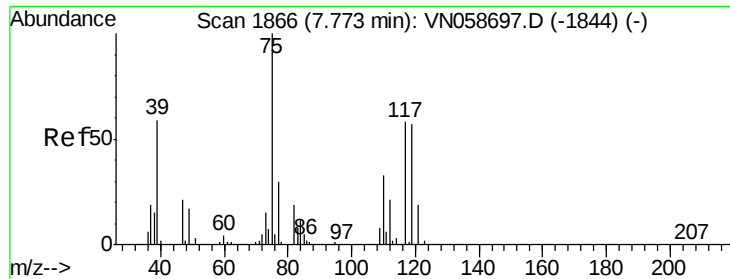
#35
Dibromofluoromethane
Concen: 52.298 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion:113 Resp: 216258
Ion Ratio Lower Upper
113 100
111 102.4 82.3 123.5
192 18.6 15.0 22.6



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

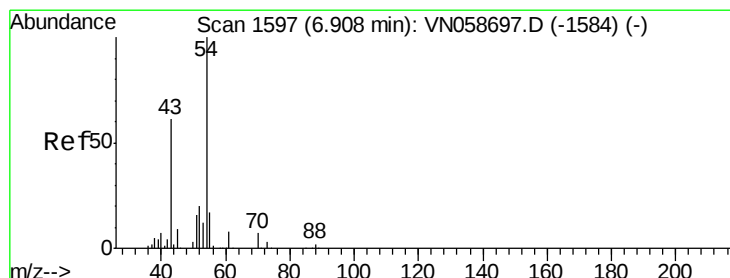
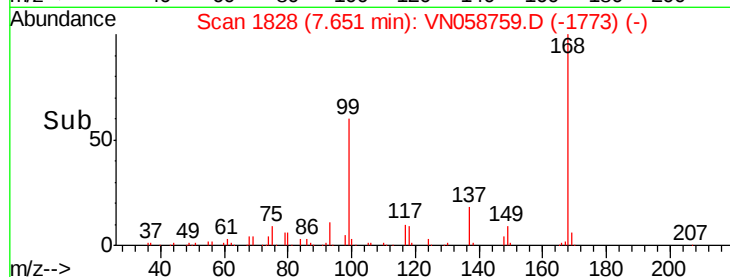
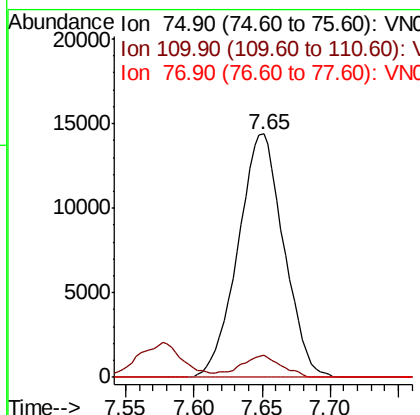
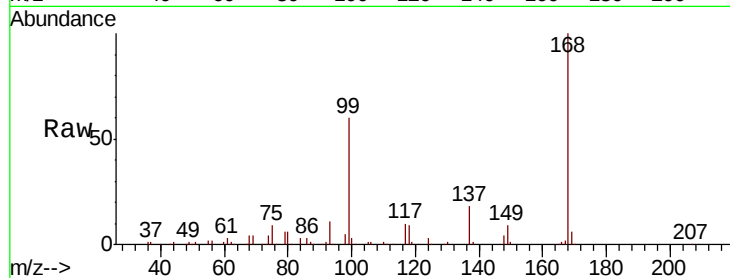




#36
 1,1-Dichloropropene
 Concen: 4.952 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

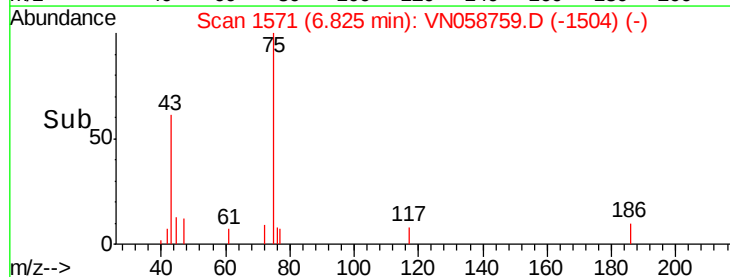
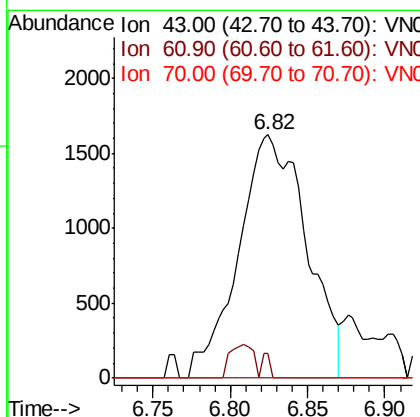
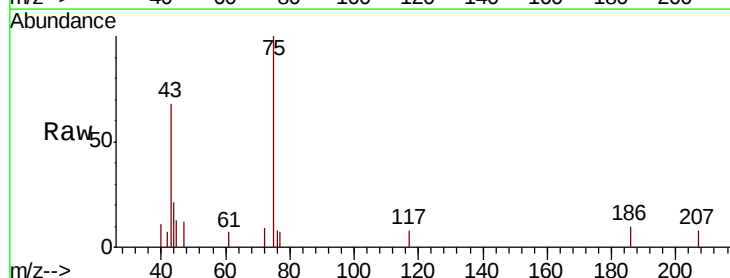
Instrument :
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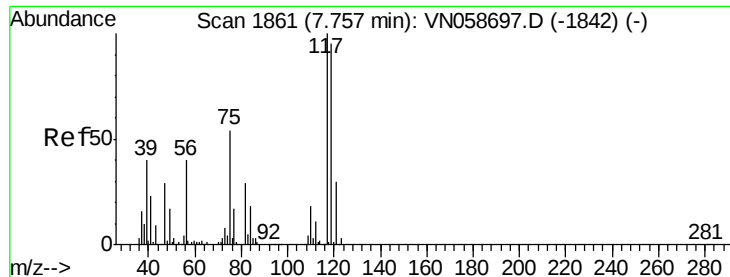
Tot Ion	75	Resp	33518
Ion Ratio	100	Lower	Upper
75	100		
110	7.9	16.6	49.8#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 0.726 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.08 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Tgt Ion	43	Resp	4973
Ion Ratio	100	Lower	Upper
43	100		
61	1.3	11.3	16.9#
70	0.0	7.2	10.8#





#38

Carbon Tetrachloride

Concen: 6.191 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB123907TB

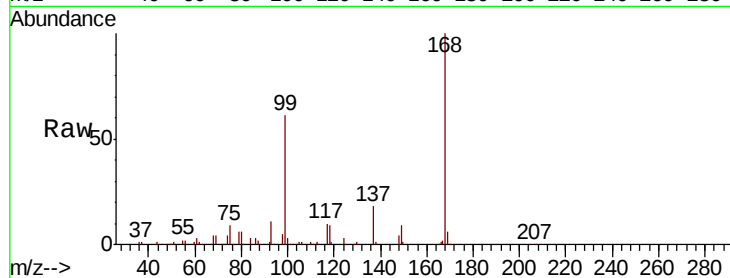
Tot Ion:117 Resp: 40843

Ion Ratio Lower Upper

117 100

119 6.0 75.7 113.5#

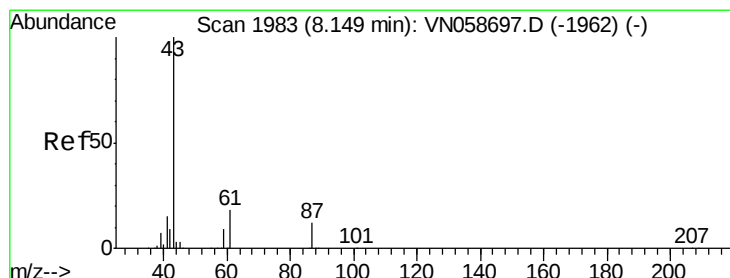
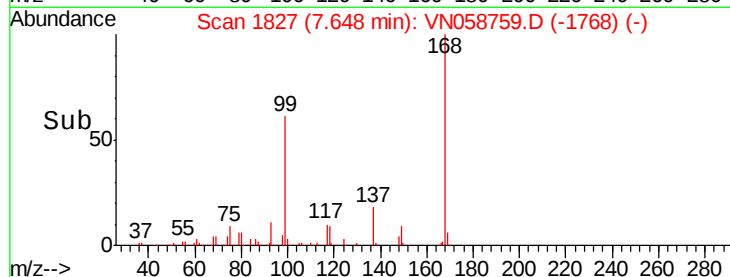
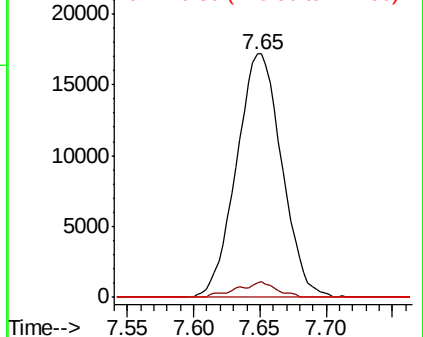
121 0.0 23.9 35.9#



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: 8.090 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

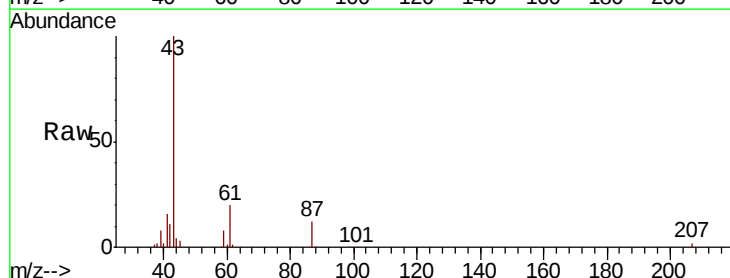
Tgt Ion: 43 Resp: 94337

Ion Ratio Lower Upper

43 100

61 19.6 20.3 30.5#

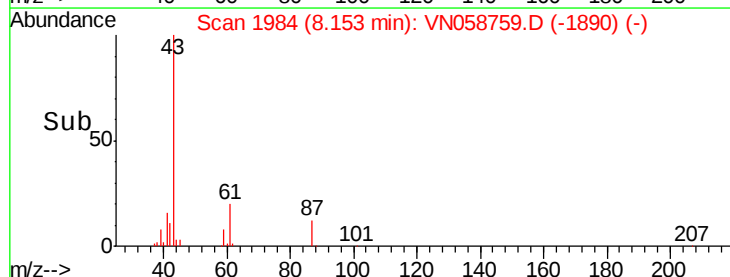
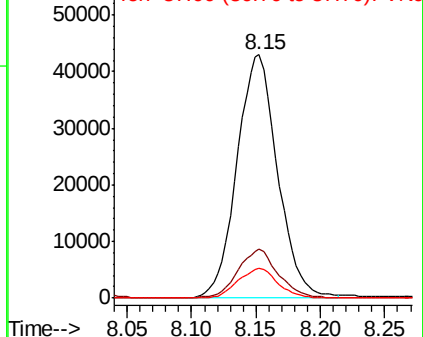
87 11.8 9.8 14.6

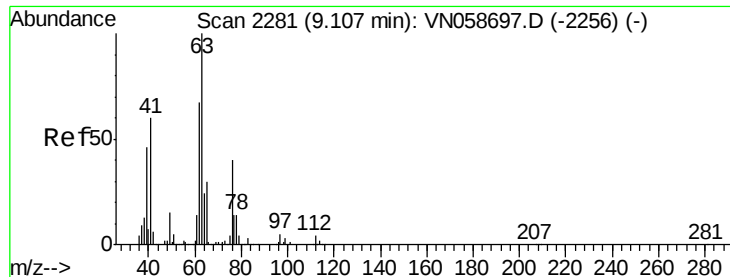


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.373 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

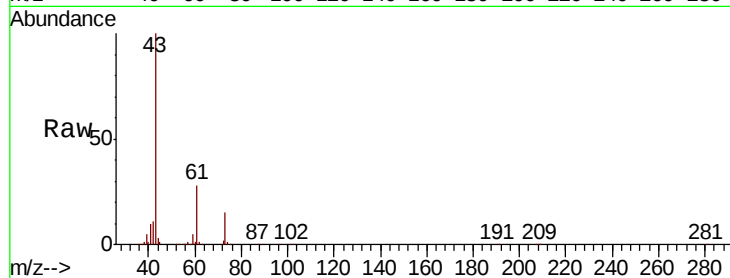
PB123907TB

Tot Ion: 63 Resp: 1939

Ion Ratio Lower Upper

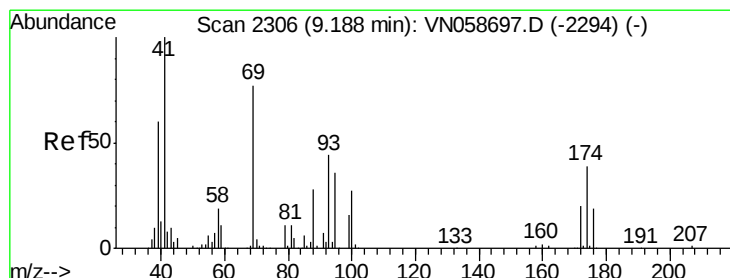
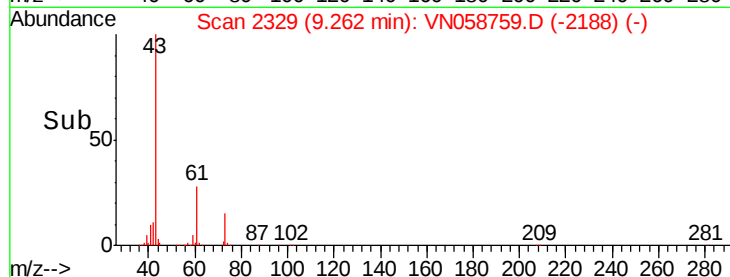
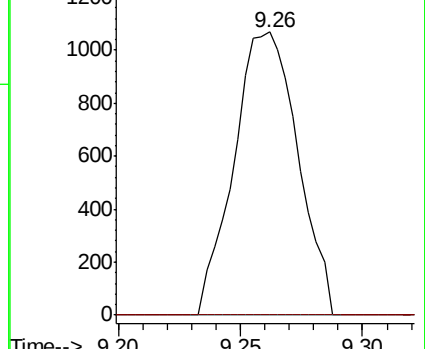
63 100

65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.050 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

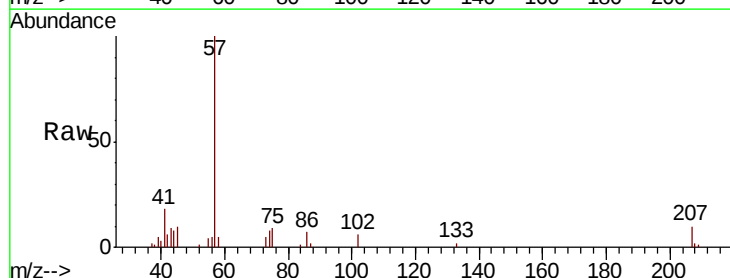
Tgt Ion: 41 Resp: 5550

Ion Ratio Lower Upper

41 100

69 0.0 63.4 95.2#

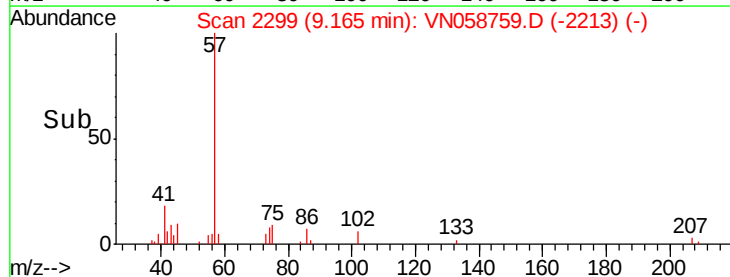
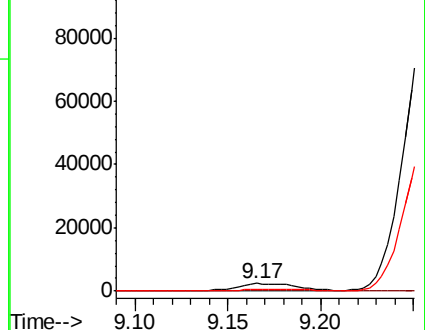
39 0.0 48.9 73.3#

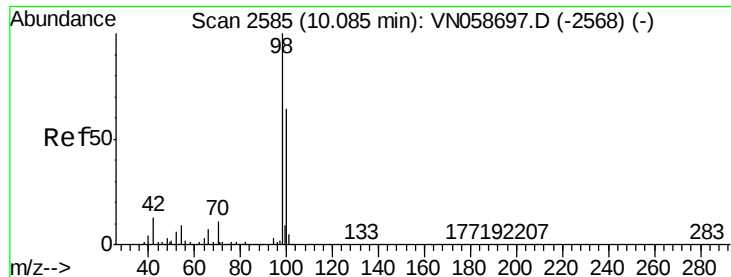


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 49.563 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

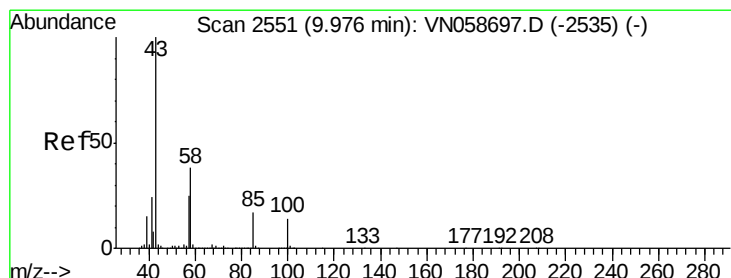
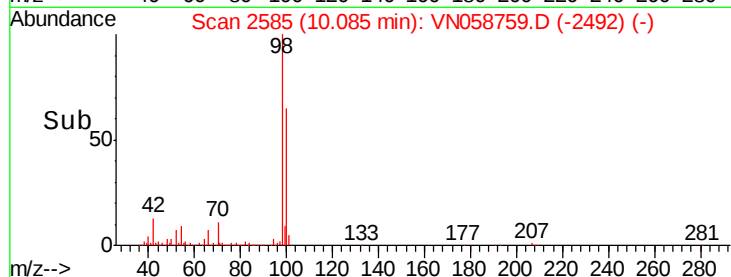
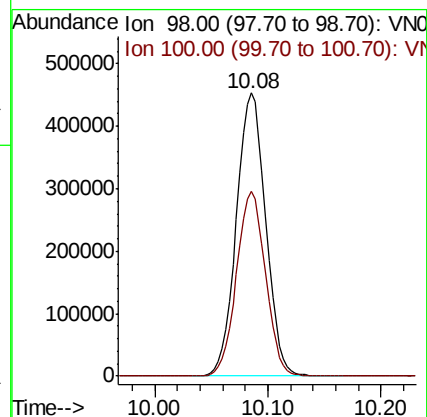
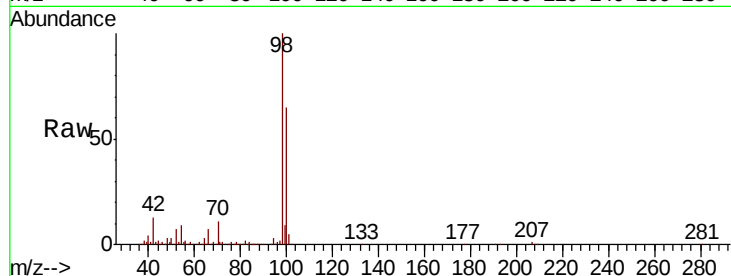
PB123907TB

Tot Ion: 98 Resp: 819564

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.898 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058759.D

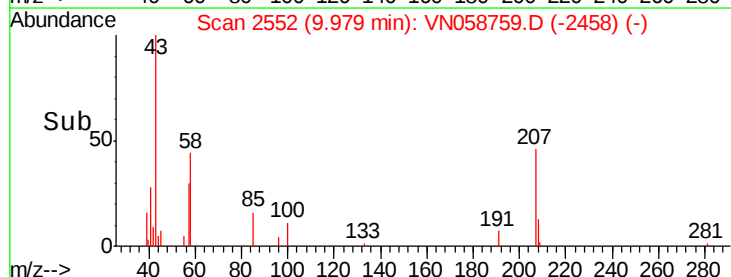
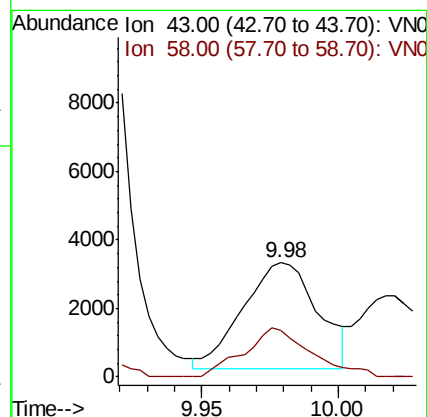
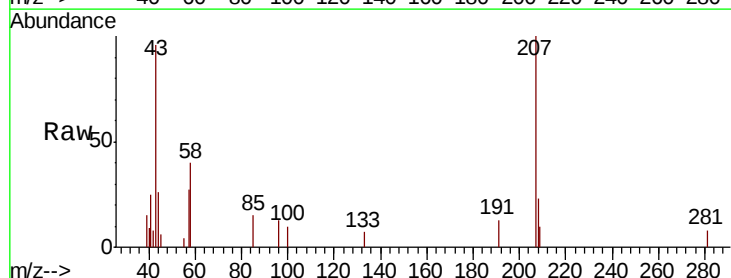
Acq: 14 Oct 2019 19:08

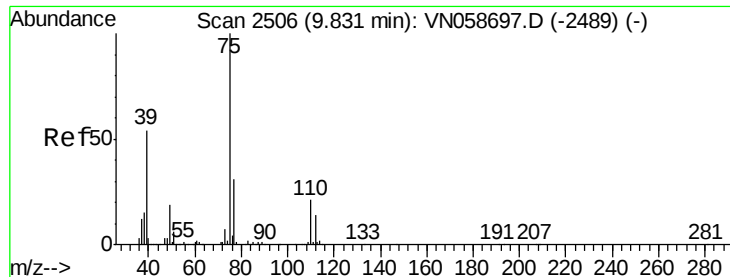
Tgt Ion: 43 Resp: 5881

Ion Ratio Lower Upper

43 100

58 41.6 30.3 45.5



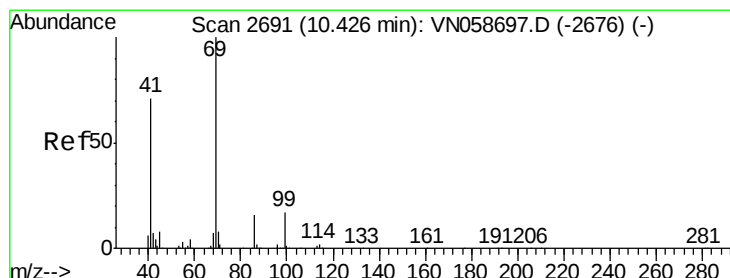
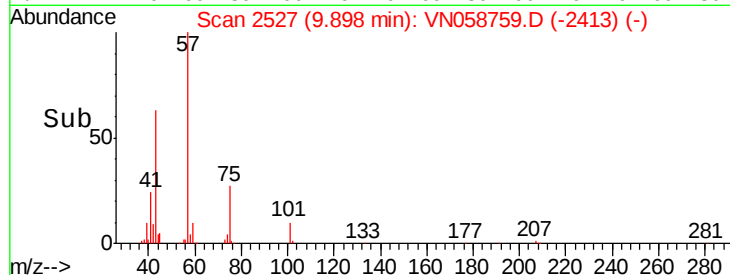
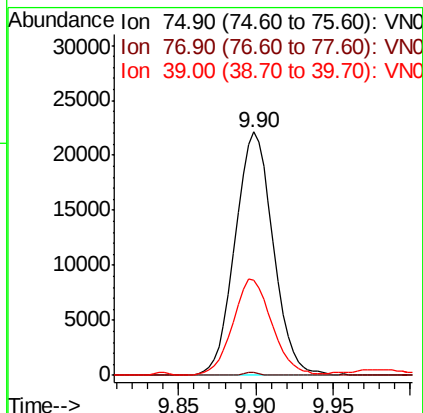
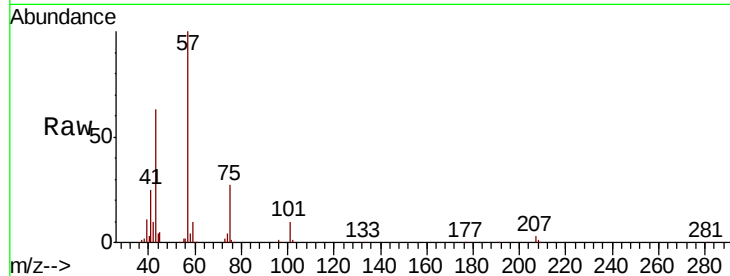


#54

cis-1,3-Dichloropropene
 Concen: 4.624 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB123907TB

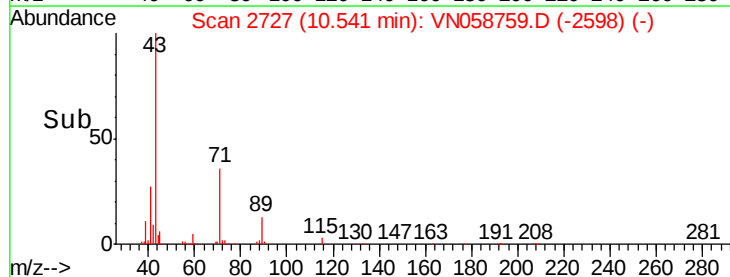
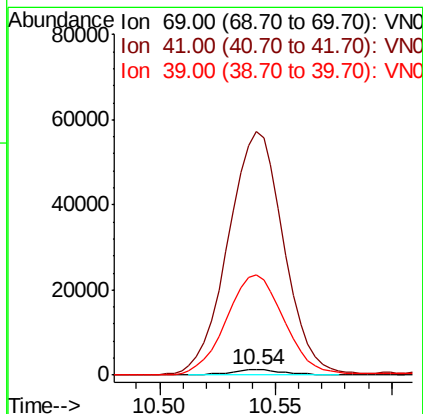
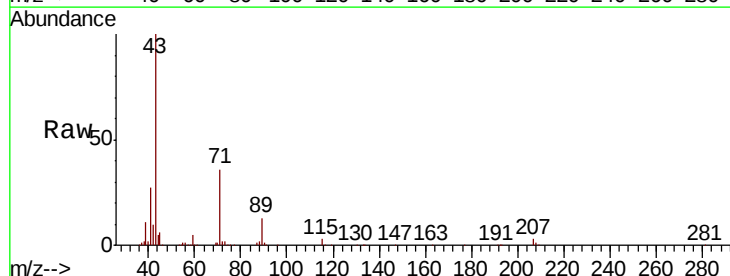
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.1	24.4	36.6#
39	39.3	43.1	64.7#

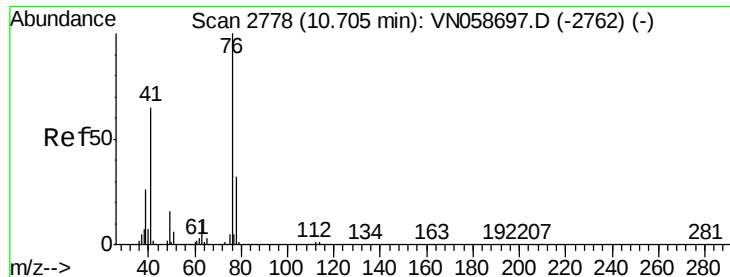


#56

Ethyl methacrylate
 Concen: 0.293 ug/l
 RT: 10.54 min Scan# 2727
 Delta R.T. 0.12 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4605.2	56.8	85.2#
39	1985.5	32.5	48.7#





#57

1,3-Dichloropropane

Concen: 0.855 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

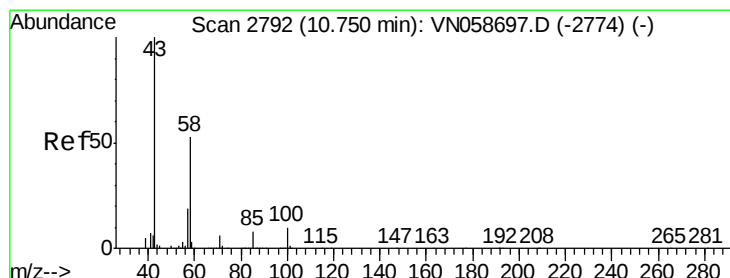
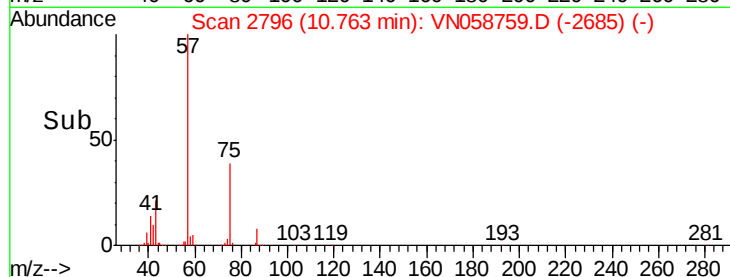
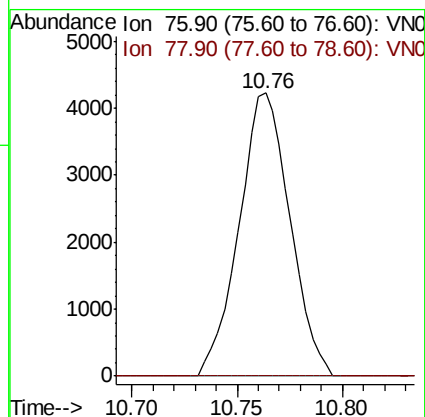
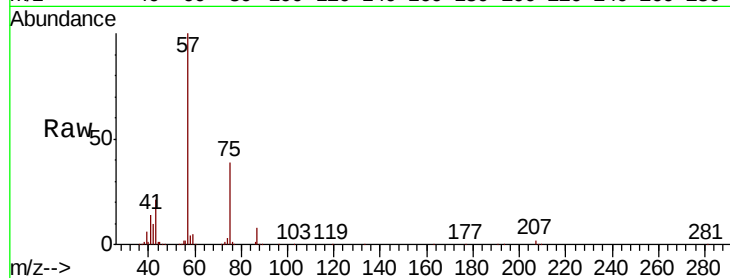
PB123907TB

Tot Ion: 76 Resp: 7087

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 21.768 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058759.D

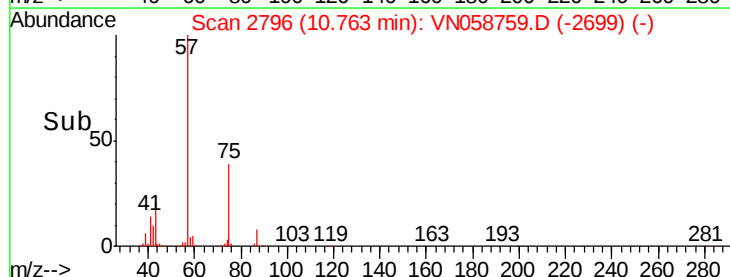
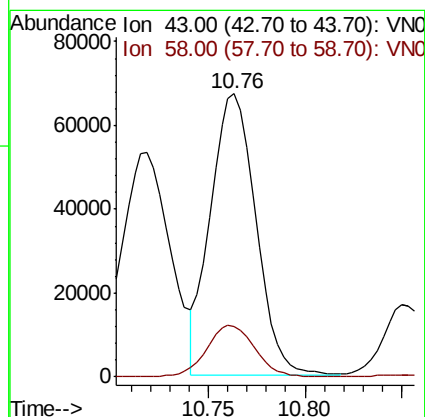
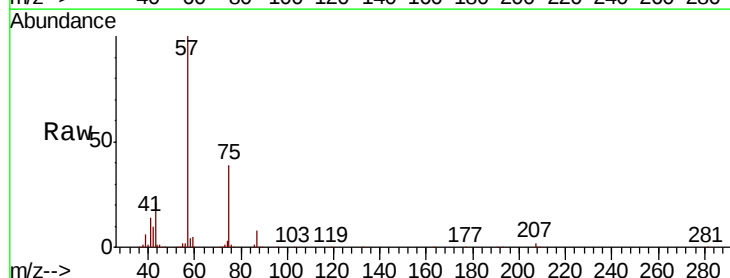
Acq: 14 Oct 2019 19:08

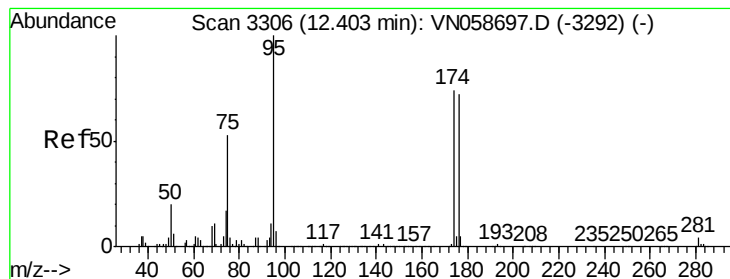
Tgt Ion: 43 Resp: 110175

Ion Ratio Lower Upper

43 100

58 19.3 26.1 78.3#





#62

4-Bromofluorobenzene

Concen: 43.590 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB123907TB

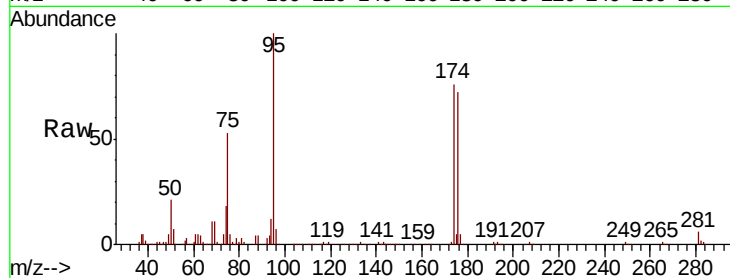
Tot Ion: 95 Resp: 272839

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.4

176 73.8 0.0 146.8

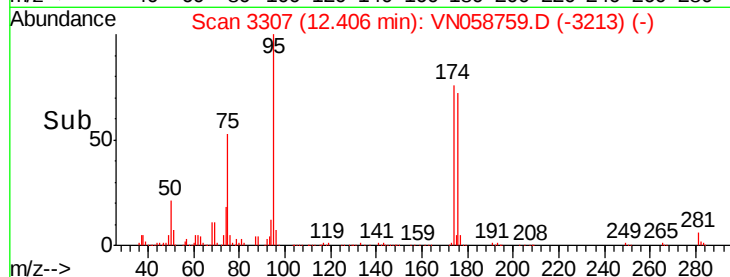


Abundance Ion 94.90 (94.60 to 95.60): VN058697.D (-3292) (-)

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

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

Time-->

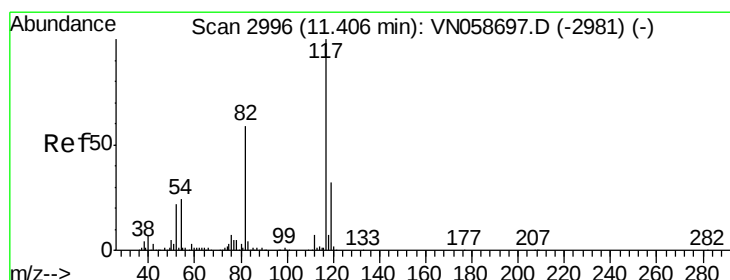


Abundance Ion 94.90 (94.60 to 95.60): VN058759.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058759.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058759.D (-3213) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

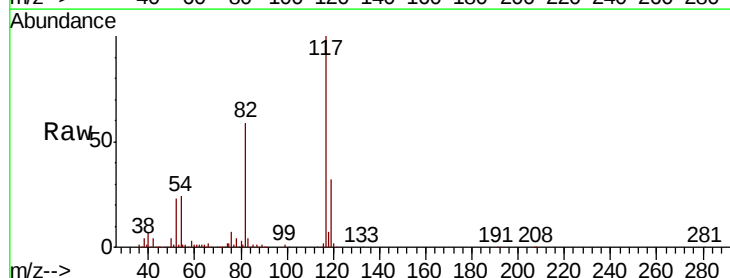
Tgt Ion: 117 Resp: 620718

Ion Ratio Lower Upper

117 100

82 59.4 47.0 70.4

119 32.2 25.4 38.2

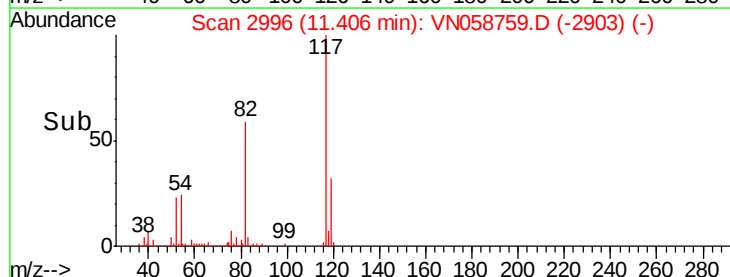


Abundance Ion 116.90 (116.60 to 117.60): VN058697.D (-2981) (-)

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

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

Time-->

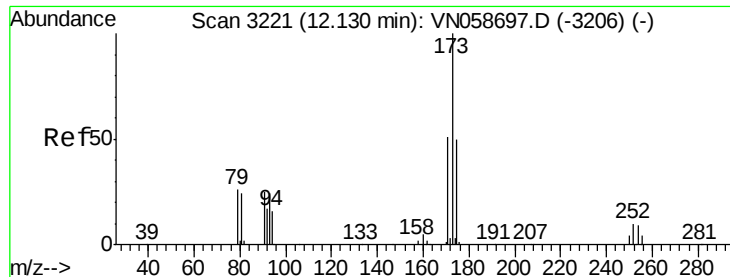


Abundance Ion 116.90 (116.60 to 117.60): VN058759.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058759.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058759.D (-2903) (-)

Time-->



#71

Bromoform

Concen: 0.319 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB123907TB

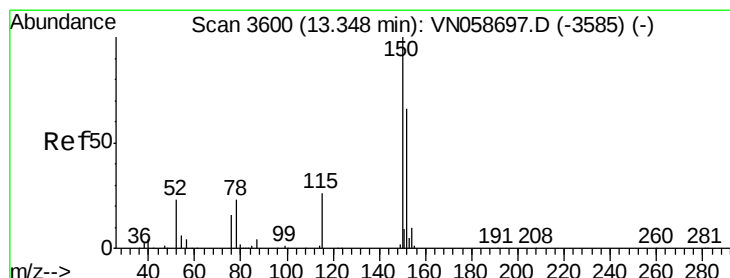
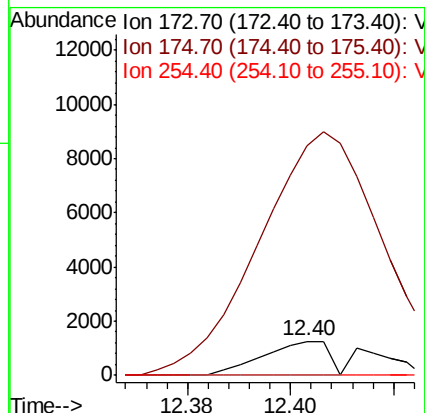
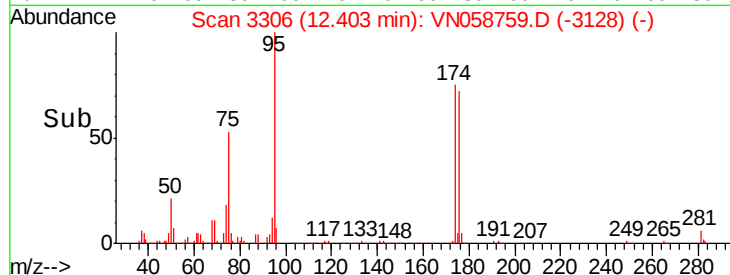
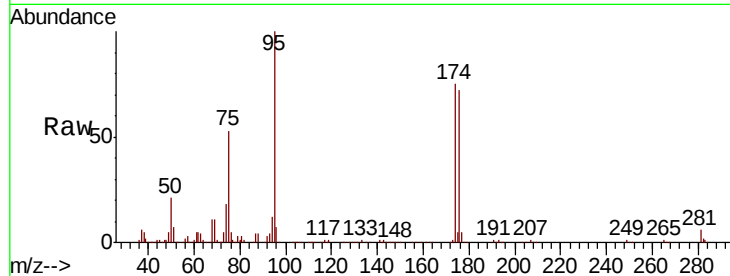
Tot Ion:173 Resp: 1090

Ion Ratio Lower Upper

173 100

175 1169.2 24.6 73.8#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

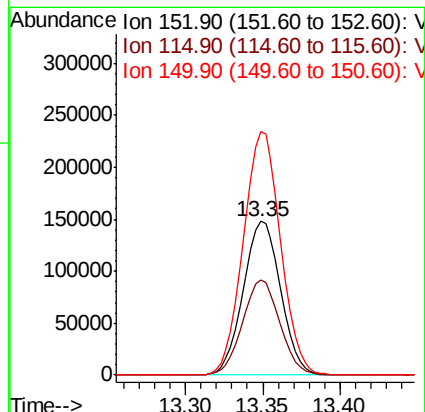
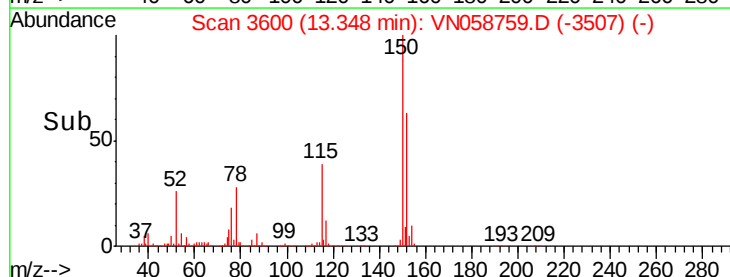
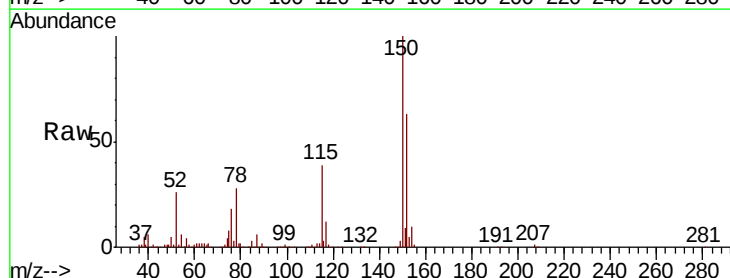
Tgt Ion:152 Resp: 249702

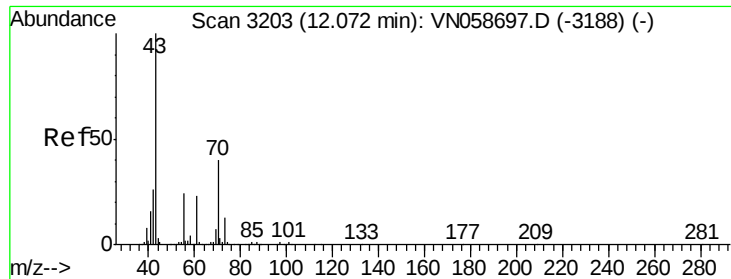
Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.2

150 157.4 0.0 345.4





#74

N-amvl acetate

Concen: 0.647 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB123907TB

Tot Ion: 43 Resp: 5257

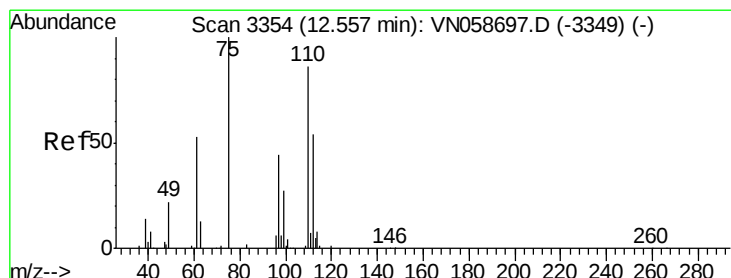
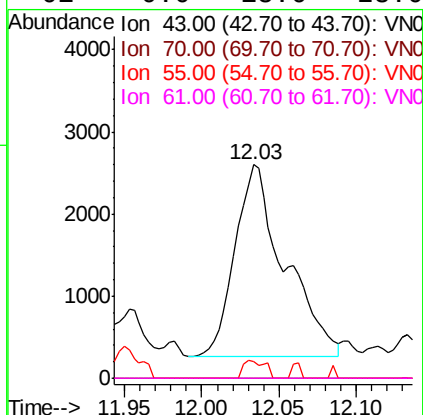
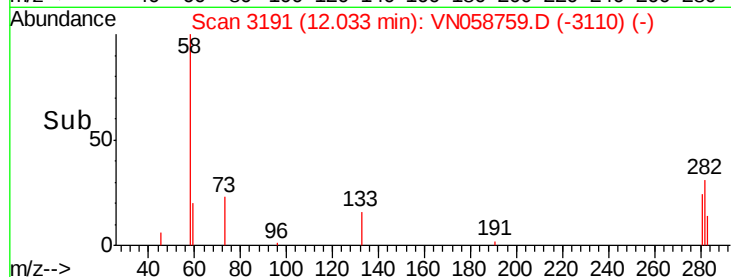
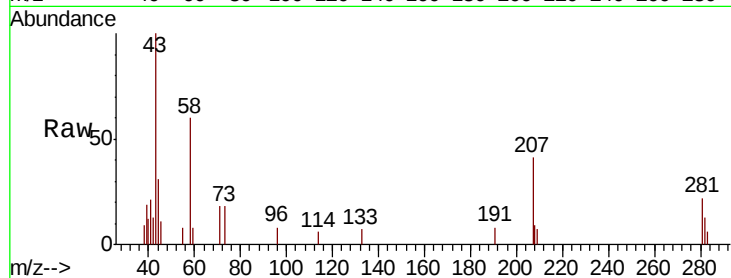
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 4.1 19.6 29.4#

61 0.0 18.6 28.0#



#76

1,2,3-Trichloropropane

Concen: 26.674 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058759.D

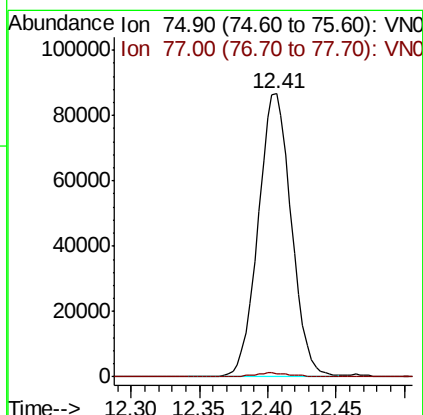
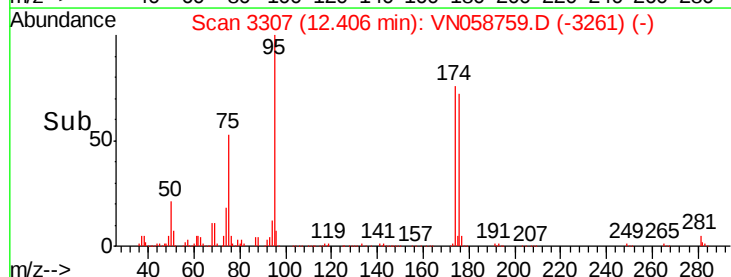
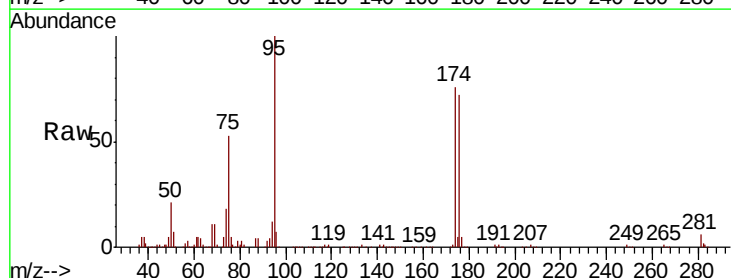
Acq: 14 Oct 2019 19:08

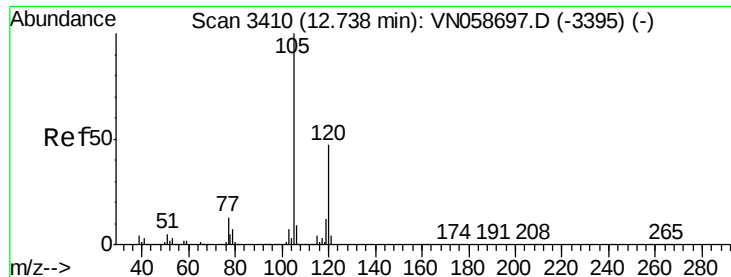
Tgt Ion: 75 Resp: 146118

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

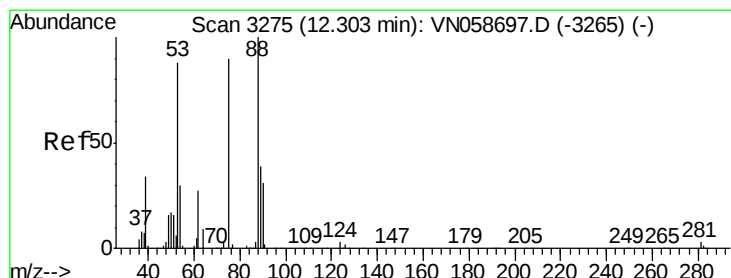
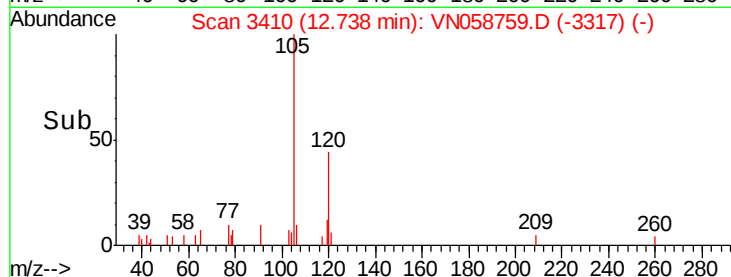
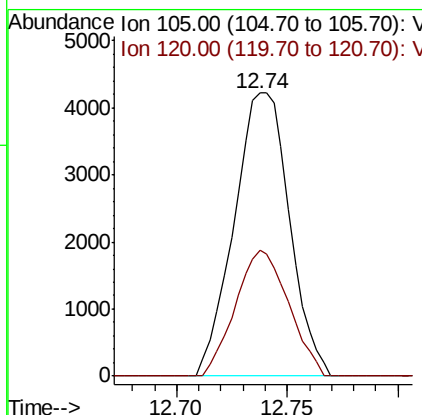
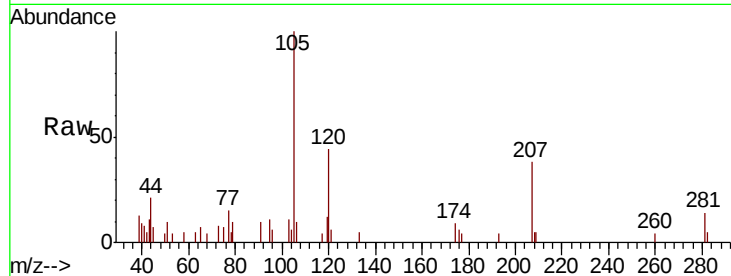




#80
 1,3,5-Trimethylbenzene
 Concen: 0.475 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB123907TB

Tot Ion:105 Resp: 7330
 Ion Ratio Lower Upper
 105 100
 120 42.7 23.4 70.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.452 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Tgt Ion: 75 Resp: 146118
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.4 117.6#
 89 0.0 34.9 52.3#

