

Data File : VN057750.D
Acq On : 7 Sep 2019 14:00
Operator : JC/SP
Sample : PB122865TB
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB122865TB

Quant Time: Sep 08 06:34:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	211218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	337087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	312028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	162147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	249643	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.58	113	151129	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.08	98	580790	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	215193	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	744	Below Cal	#	62
11) Tert butyl alcohol	4.74	59	206	0.353	ug/l #	71
16) Acetone	3.81	43	7216	4.563	ug/l	92
18) Methyl Acetate	4.31	43	3388	0.788	ug/l #	84
20) Methylene Chloride	4.53	84	3675	1.075	ug/l #	84
31) Cyclohexane	7.65	56	6267	1.087	ug/l #	26
36) 1,1-Dichloropropene	7.65	75	21559	4.808	ug/l #	48
38) Carbon Tetrachloride	7.65	117	23085	5.376	ug/l #	16
43) Isopropyl Acetate	8.15	43	69971	8.188	ug/l	97
45) 1,2-Dichloropropane	9.26	63	1264	0.356	ug/l #	44
48) Methyl methacrylate	9.26	41	125286	28.508	ug/l #	55
51) 4-Methyl-2-Pentanone	9.98	43	2867	0.604	ug/l #	50
54) cis-1,3-Dichloropropene	9.90	75	25689	4.901	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	4056	0.730	ug/l #	43
59) 2-Hexanone	10.76	43	78873	23.569	ug/l #	59
71) Bromoform	12.40	173	1624	3.960	ug/l #	1
74) N-amyl acetate	12.04	43	1911	0.267	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	128215	34.434	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	4391	0.361	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.40	75	128215	107.090	ug/l #	1
95) Naphthalene	15.13	128	2005	0.202	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.29	180	859	0.261	ug/l #	60

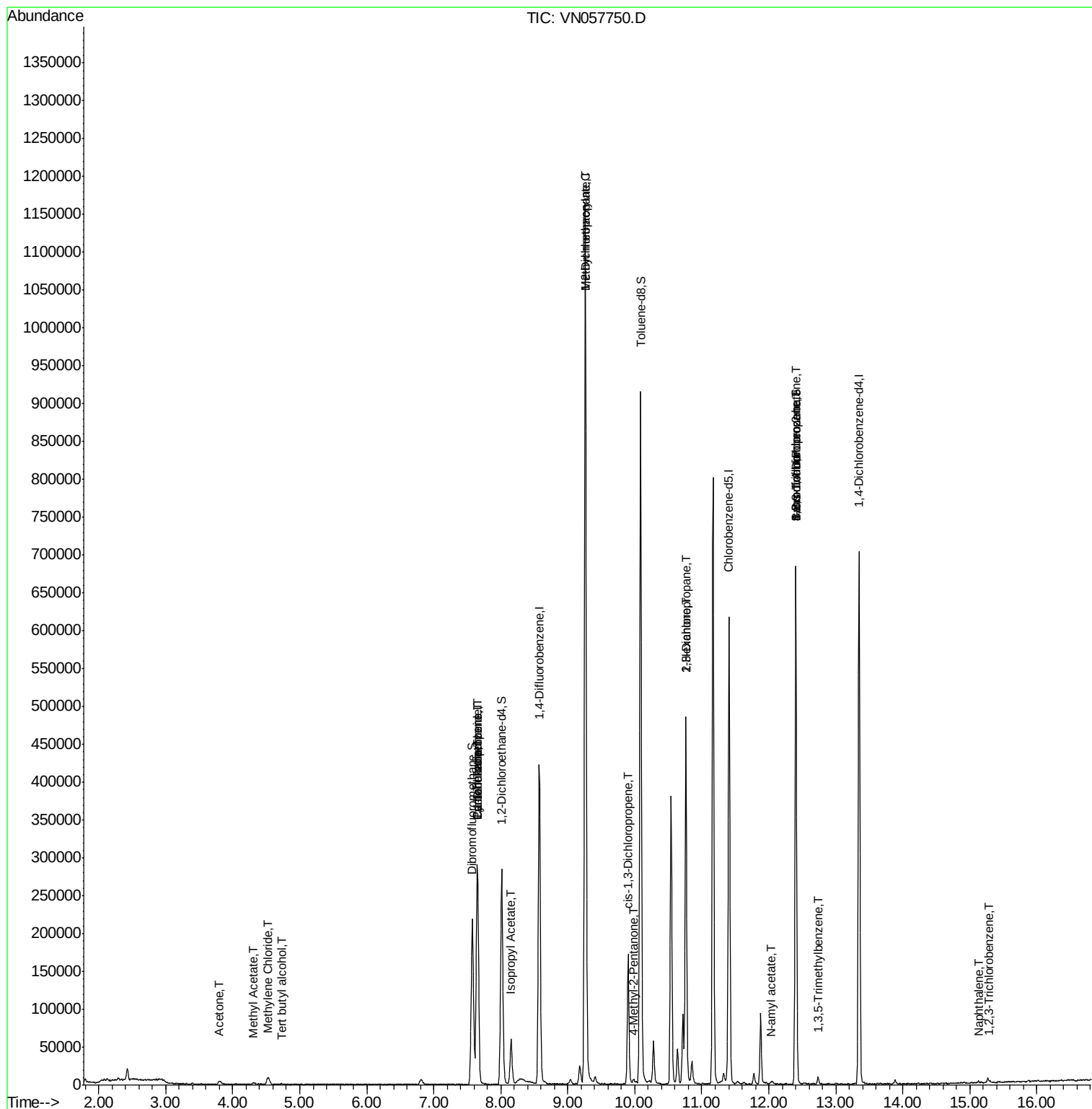
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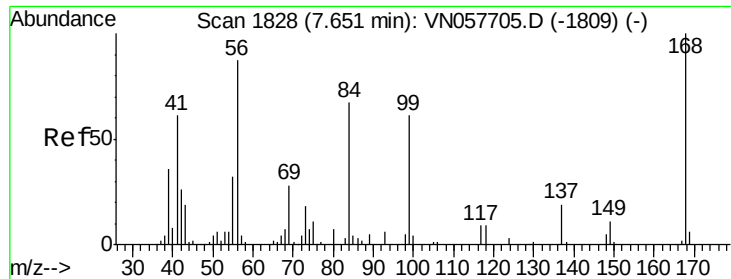
Data File : VN057750.D

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Quant Time: Sep 08 06:34:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 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: VN057750.D

Acq: 7 Sep 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

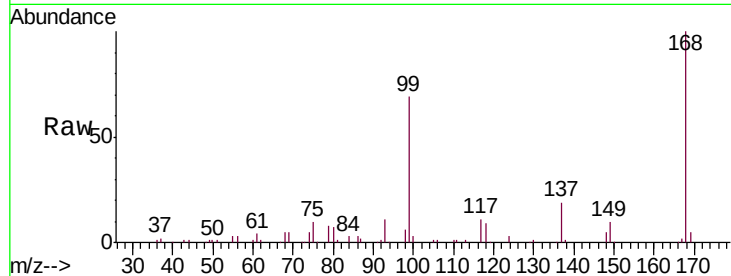
PB122865TB

Tgt Ion:168 Resp: 211218

Ion Ratio Lower Upper

168 100

99 69.0 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

80000

60000

40000

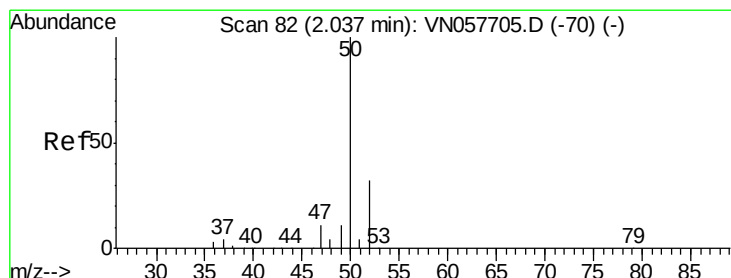
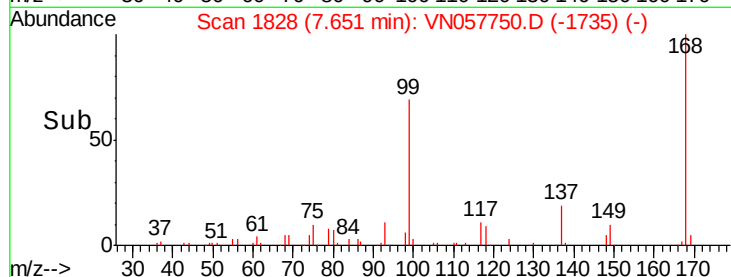
20000

0

7.60

7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057750.D

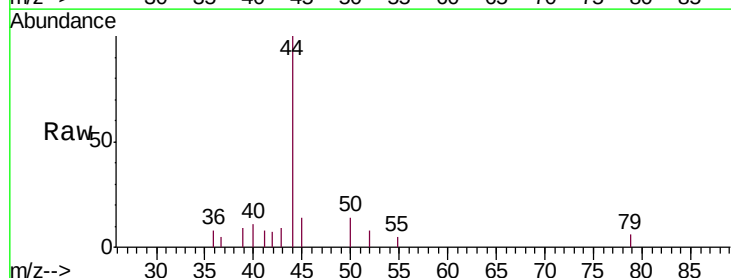
Acq: 7 Sep 2019 14:00

Tgt Ion: 50 Resp: 744

Ion Ratio Lower Upper

50 100

52 54.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

400

300

200

100

0

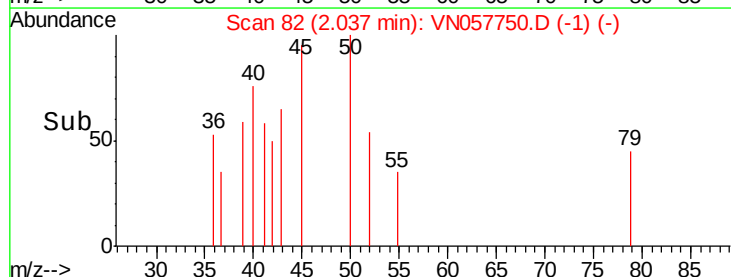
2.00

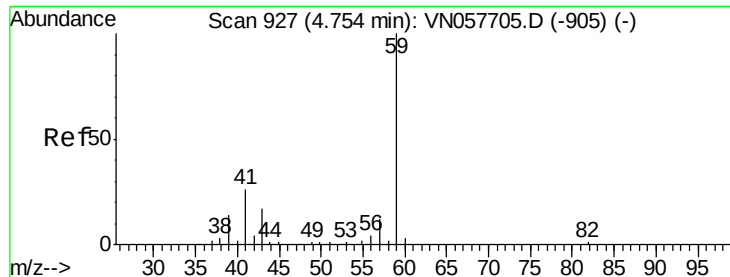
2.02

2.04

2.06

Time-->

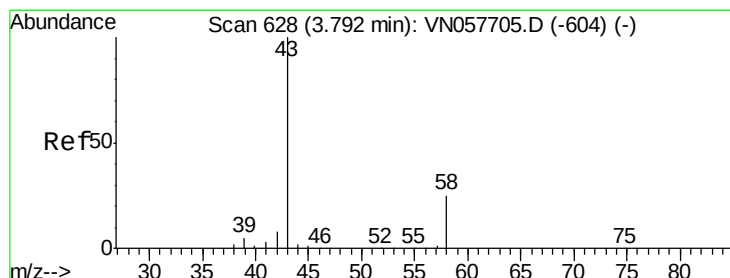
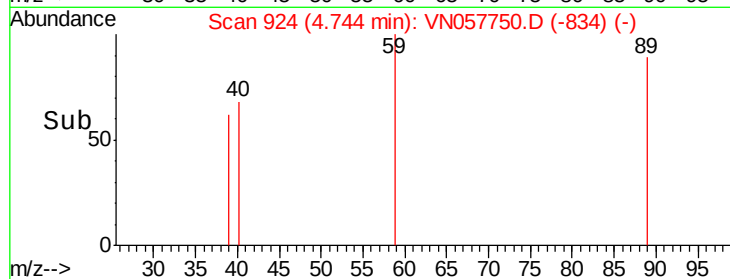
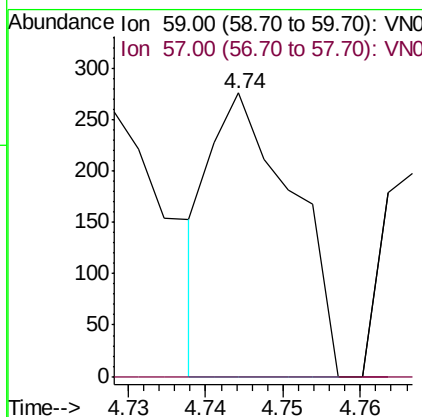
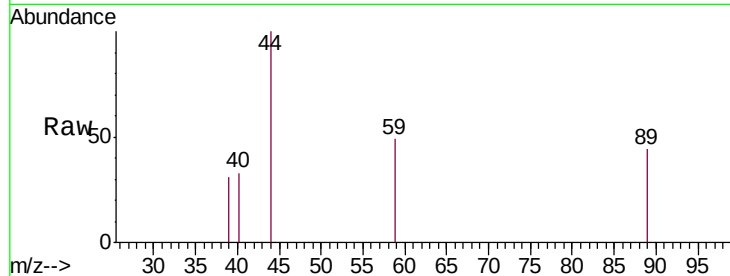




#11
Tert butyl alcohol
Concen: 0.353 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

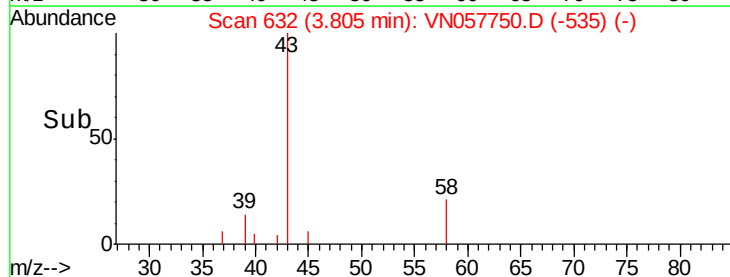
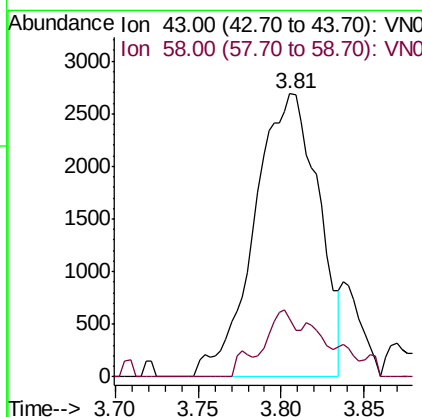
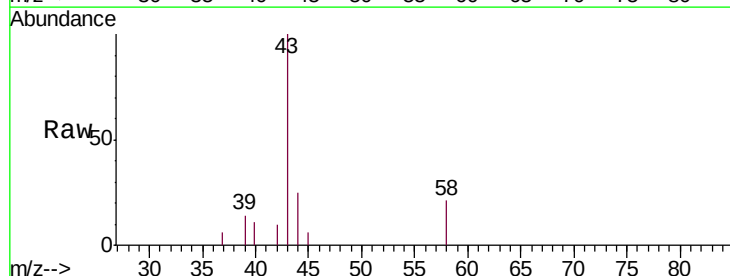
Instrument :
MSVOA_N
ClientSampled :
PB122865TB

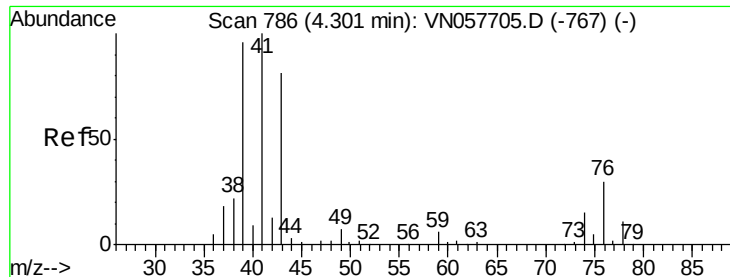
Tgt Ion: 59 Resp: 206
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 4.563 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

Tgt Ion: 43 Resp: 7216
Ion Ratio Lower Upper
43 100
58 20.6 19.8 29.8

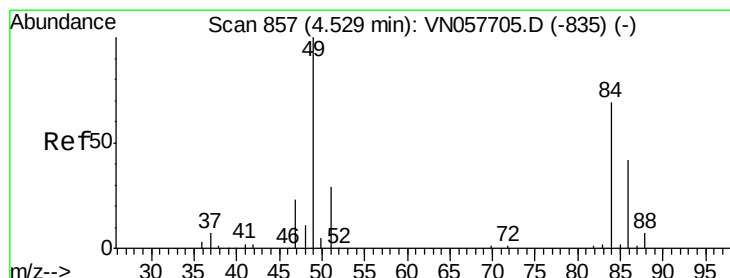
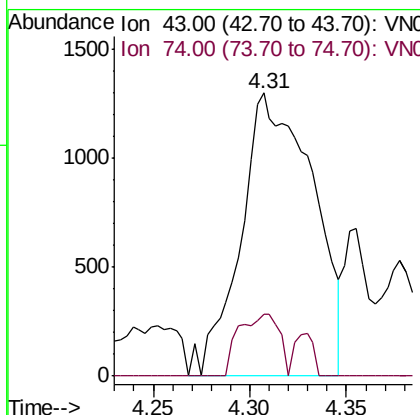
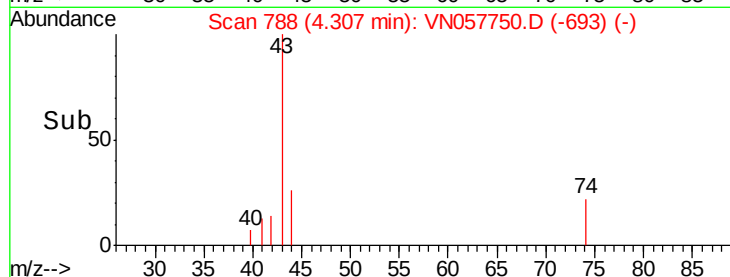
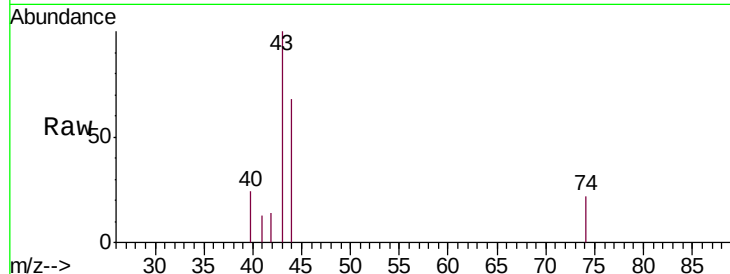




#18
Methyl Acetate
Concen: 0.788 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

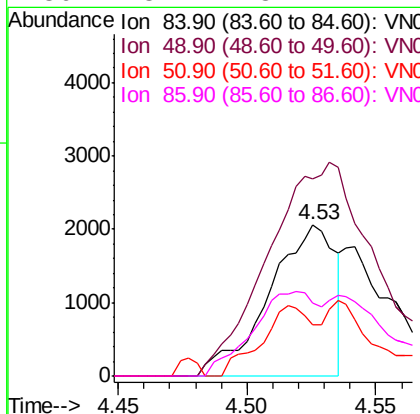
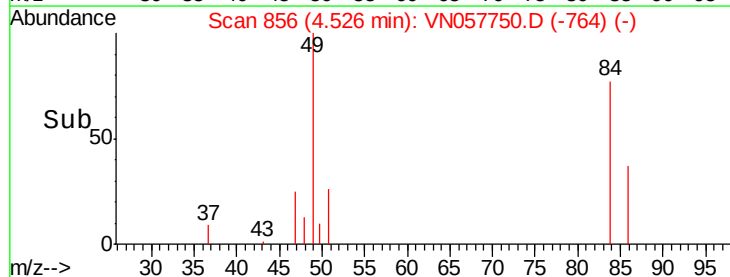
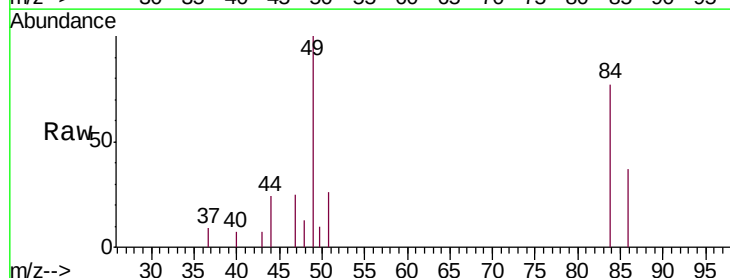
Instrument :
MSVOA_N
ClientSampled :
PB122865TB

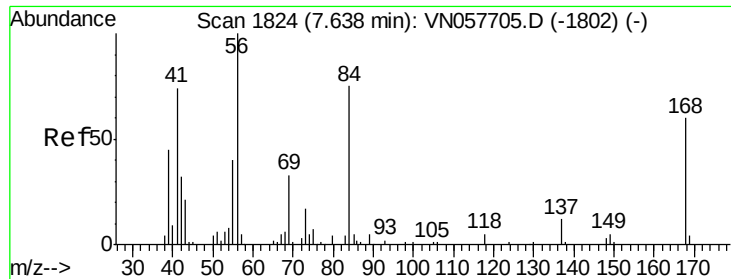
Tgt Ion: 43 Resp: 3388
Ion Ratio Lower Upper
43 100
74 12.1 15.3 22.9#



#20
Methylene Chloride
Concen: 1.075 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

Tgt Ion: 84 Resp: 3675
Ion Ratio Lower Upper
84 100
49 130.2 115.0 172.6
51 22.2 33.8 50.8#
86 48.4 48.2 72.2

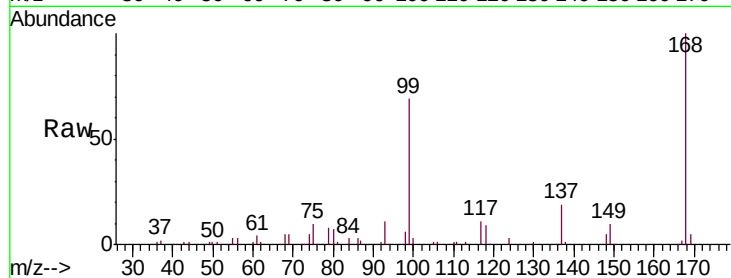




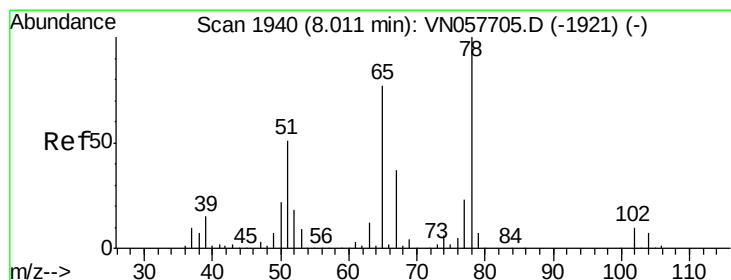
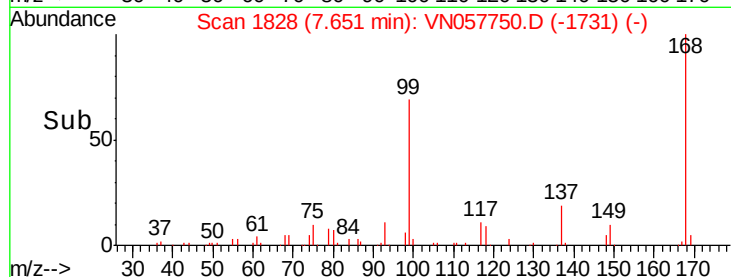
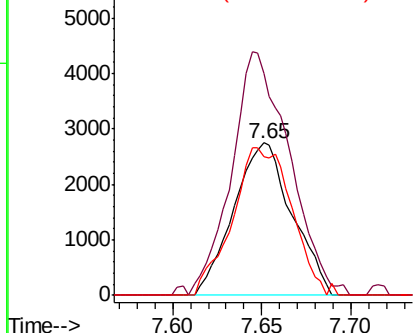
#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
PB122865TB

Tgt Ion: 56 Resp: 6267
Ion Ratio Lower Upper
56 100
69 145.1 26.2 39.2#
84 90.8 59.8 89.8#

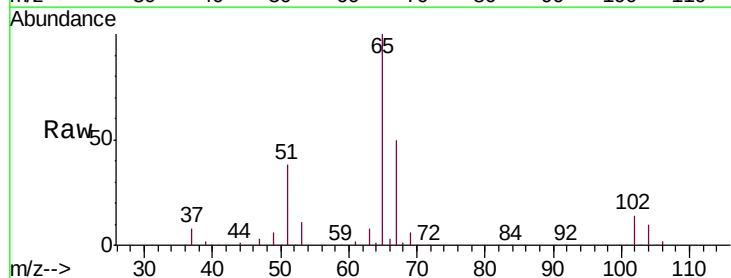


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

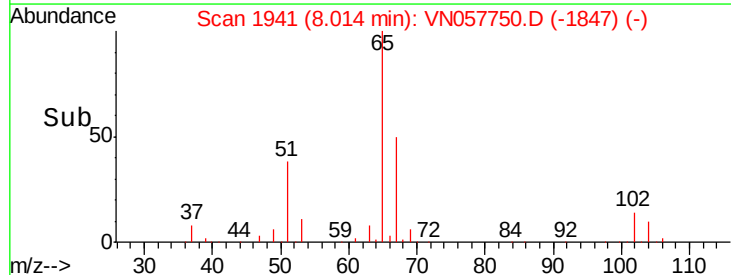
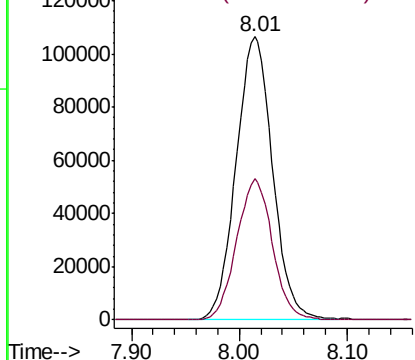


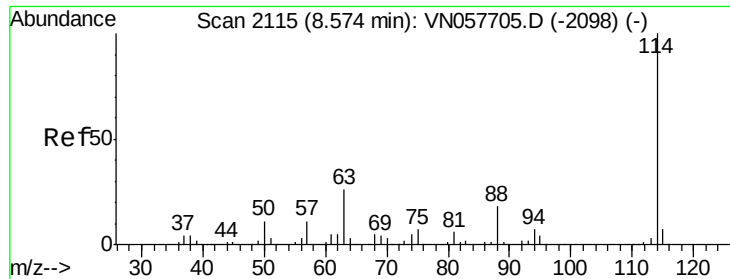
#33
1,2-Dichloroethane-d4
Concen: 48.585 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

Tgt Ion: 65 Resp: 249643
Ion Ratio Lower Upper
65 100
67 49.0 0.0 98.2



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

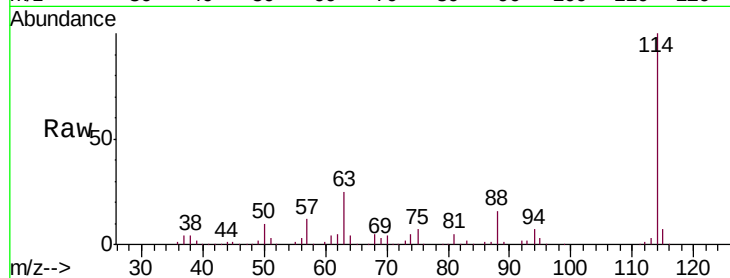




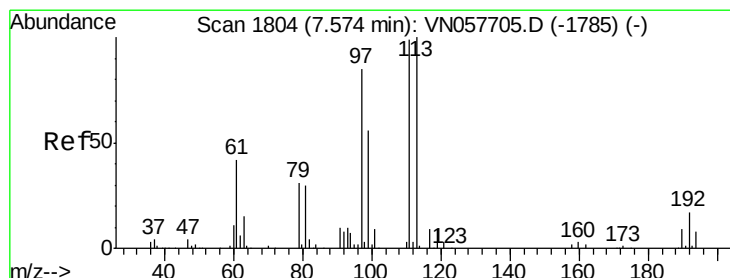
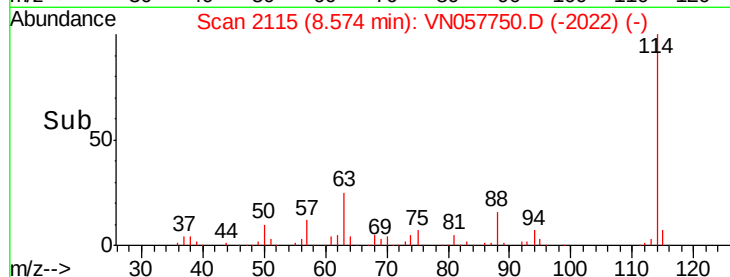
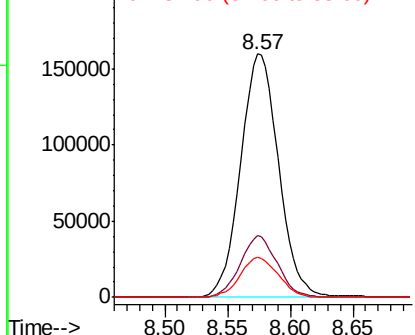
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057750.D
 Acq: 7 Sep 2019 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122865TB

Tgt Ion:114 Resp: 337087
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 52.4
 88 16.4 0.0 35.4

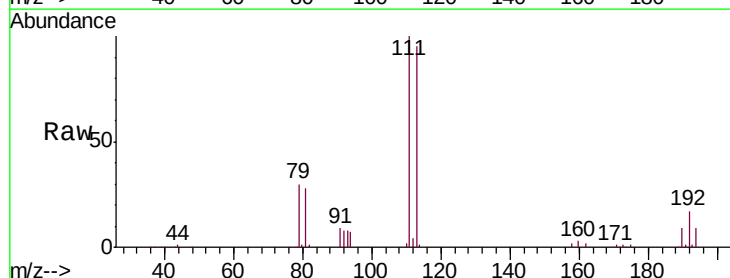


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

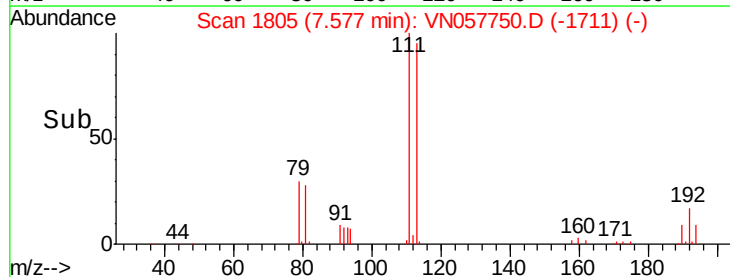
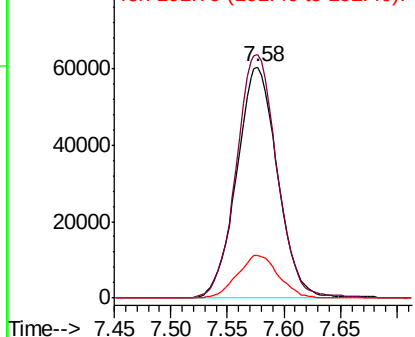


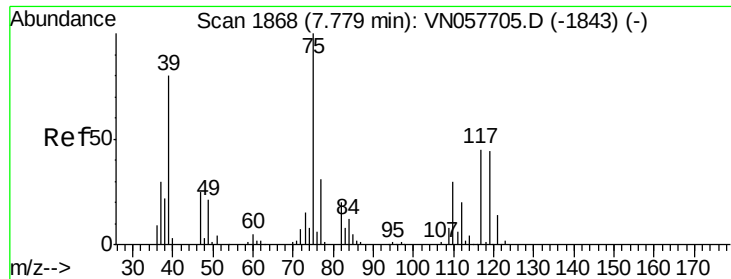
#35
 Dibromofluoromethane
 Concen: 49.222 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057750.D
 Acq: 7 Sep 2019 14:00

Tgt Ion:113 Resp: 151129
 Ion Ratio Lower Upper
 113 100
 111 105.5 82.7 124.1
 192 18.7 13.8 20.6



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

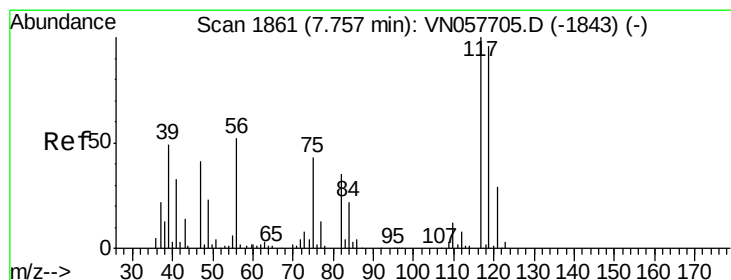
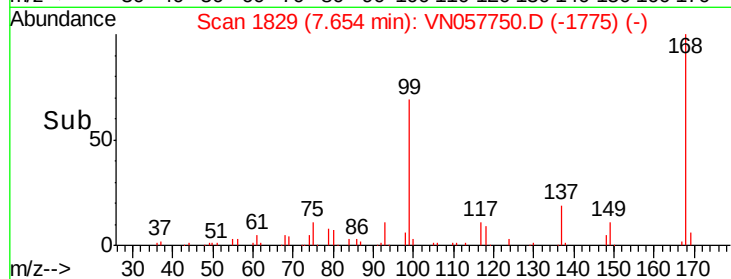
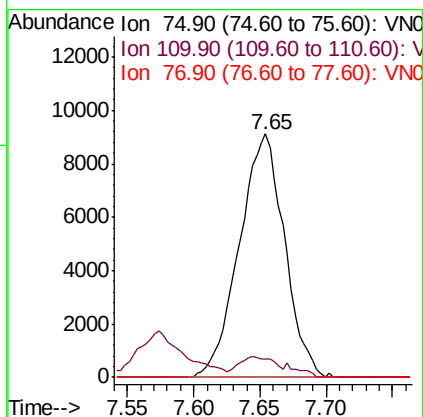
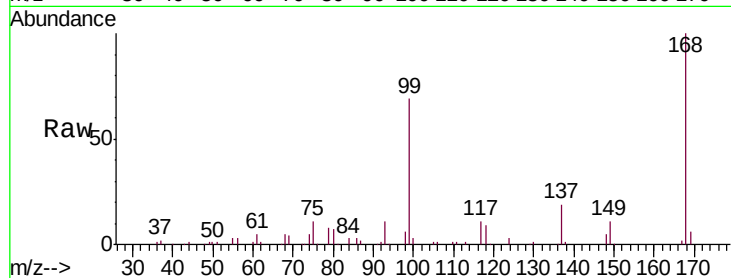




#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN057750.D
 Acq: 7 Sep 2019 14:00

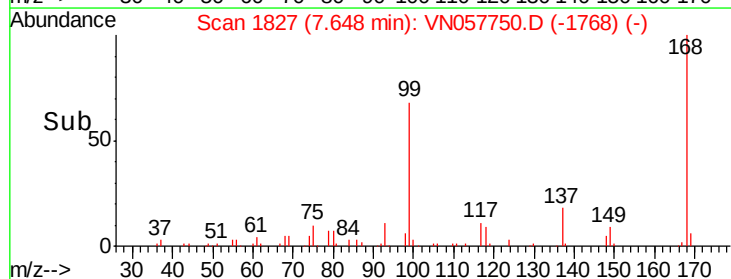
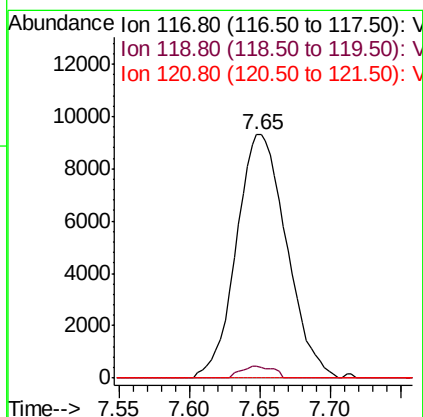
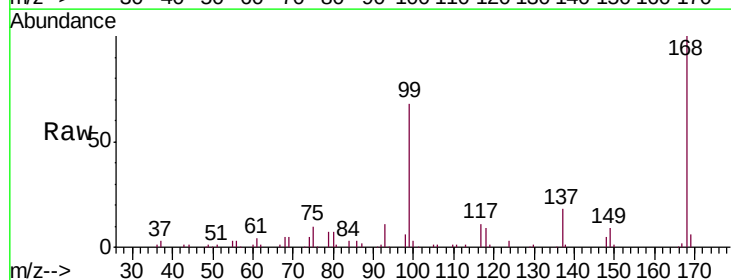
Instrument :
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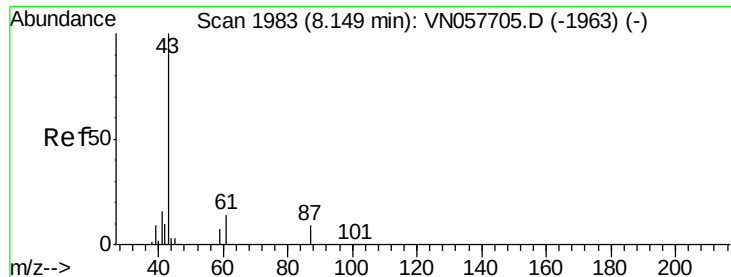
Tgt Ion: 75 Resp: 21559
 Ion Ratio Lower Upper
 75 100
 110 4.2 15.0 45.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.376 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057750.D
 Acq: 7 Sep 2019 14:00

Tgt Ion: 117 Resp: 23085
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.1 114.1#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 8.188 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

PB122865TB

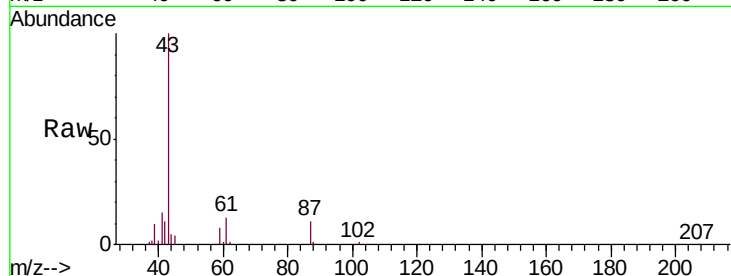
Tgt Ion: 43 Resp: 69971

Ion Ratio Lower Upper

43 100

61 14.7 12.8 19.2

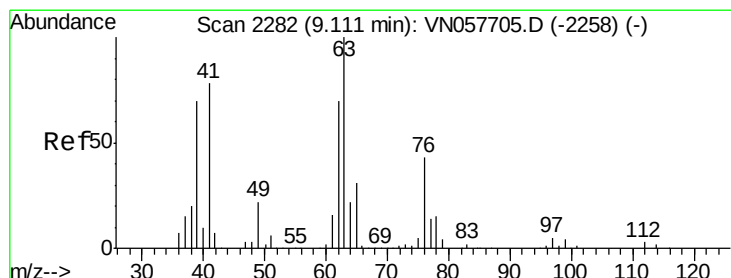
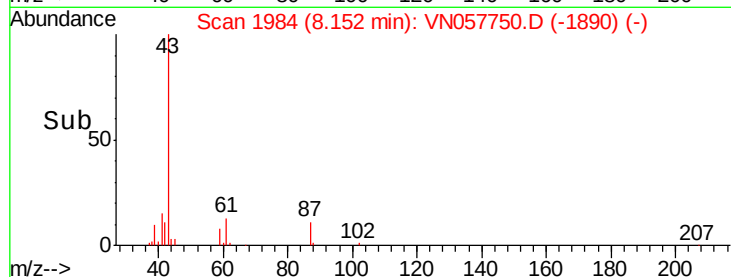
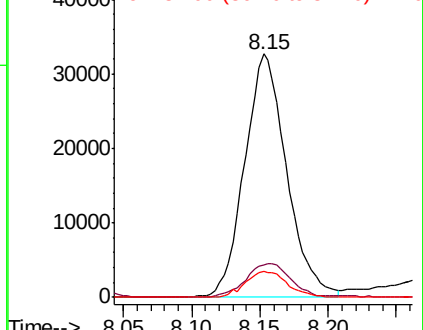
87 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN057705.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN057705.D (-1963) (-)



#45

1,2-Dichloropropane

Concen: 0.356 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.15 min

Lab File: VN057750.D

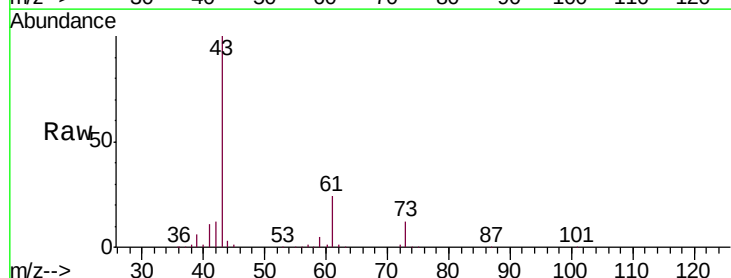
Acq: 7 Sep 2019 14:00

Tgt Ion: 63 Resp: 1264

Ion Ratio Lower Upper

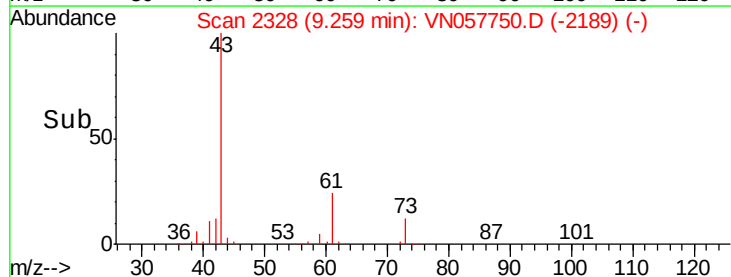
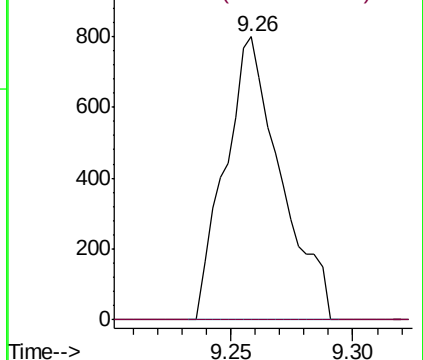
63 100

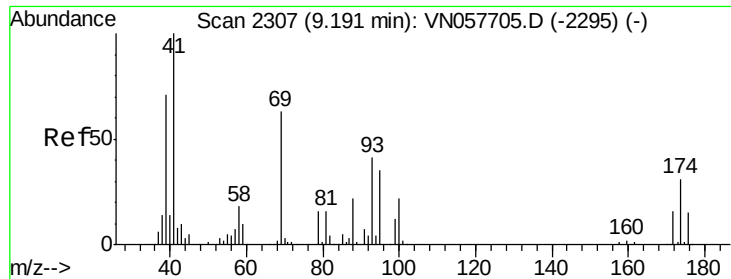
65 0.0 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VN057705.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN057705.D (-2258) (-)

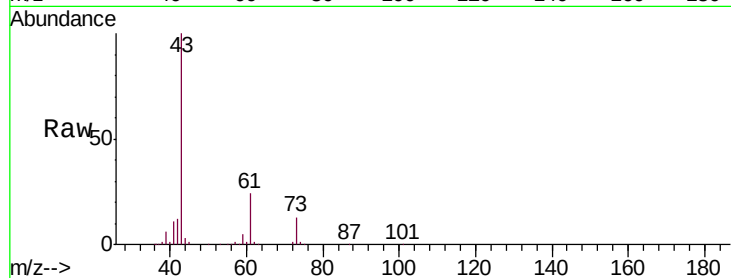




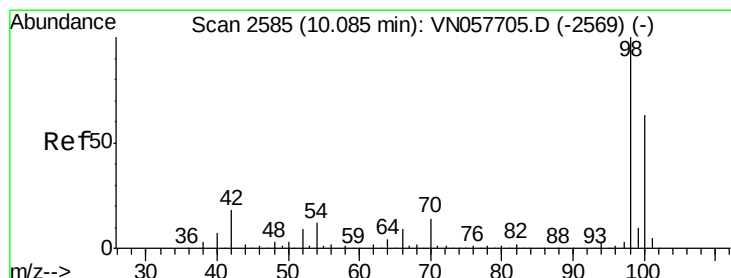
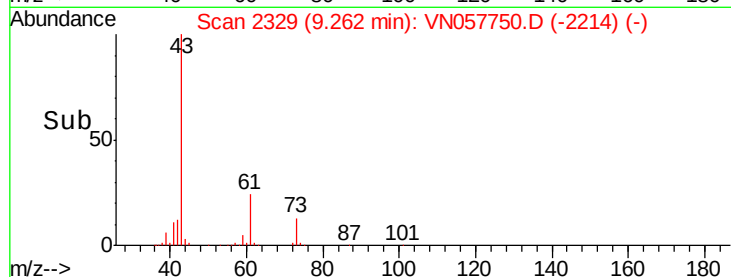
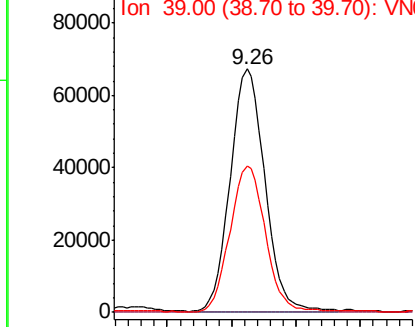
#48
Methyl methacrylate
Concen: 28.508 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.07 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
PB122865TB

Tgt Ion: 41 Resp: 125286
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 62.2 57.3 85.9

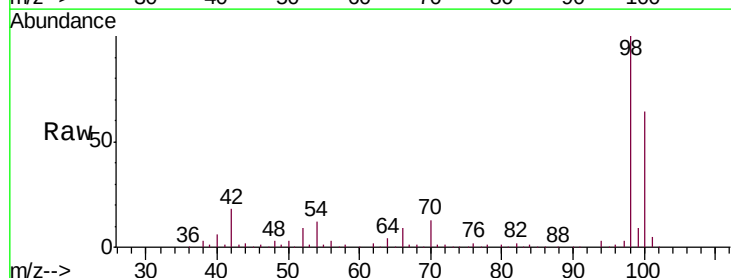


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

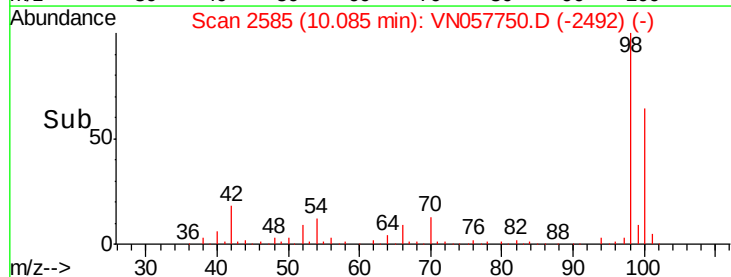
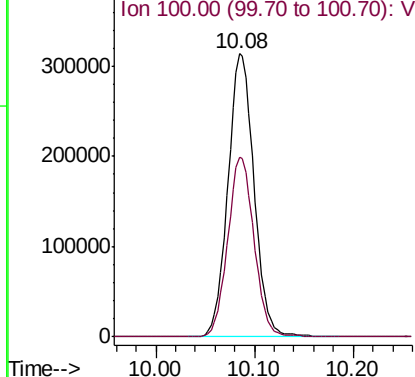


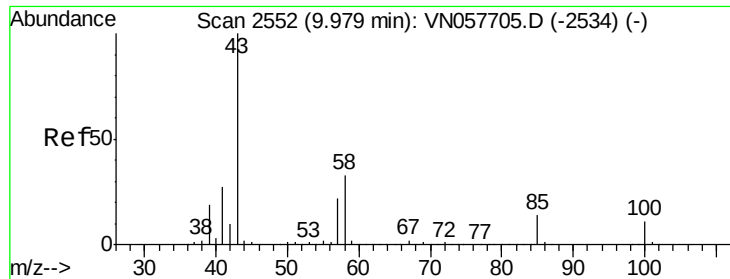
#50
Toluene-d8
Concen: 51.135 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

Tgt Ion: 98 Resp: 580790
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1



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: 0.604 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

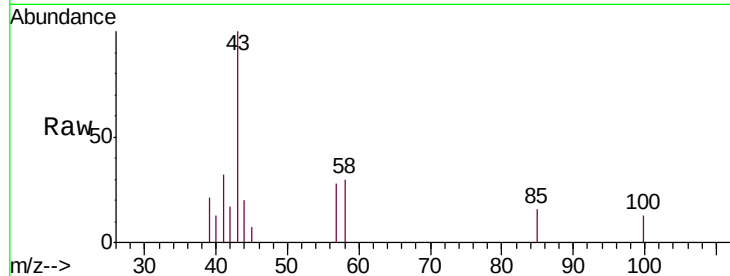
PB122865TB

Tgt Ion: 43 Resp: 2867

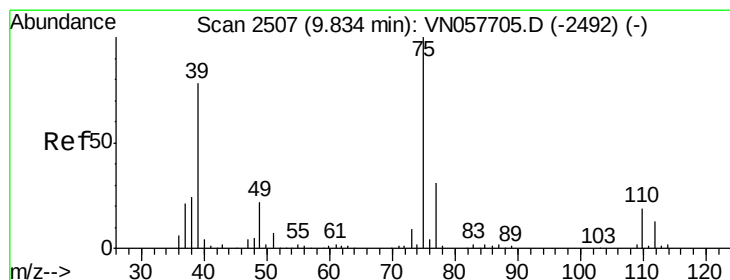
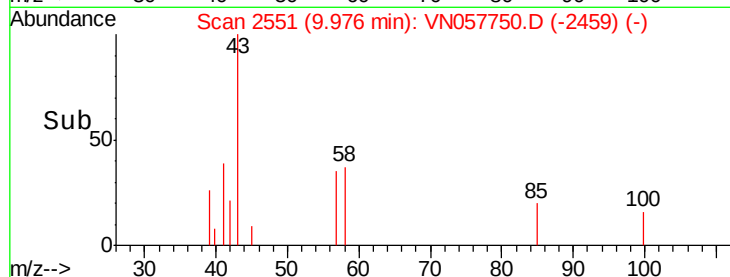
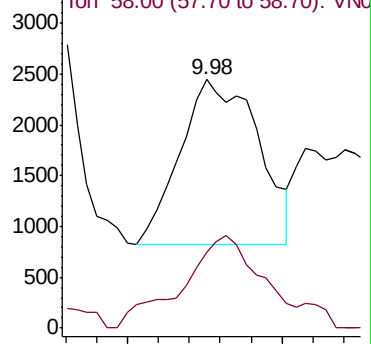
Ion Ratio Lower Upper

43 100

58 60.3 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-2534) (-)



#54

cis-1,3-Dichloropropene

Concen: 4.901 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

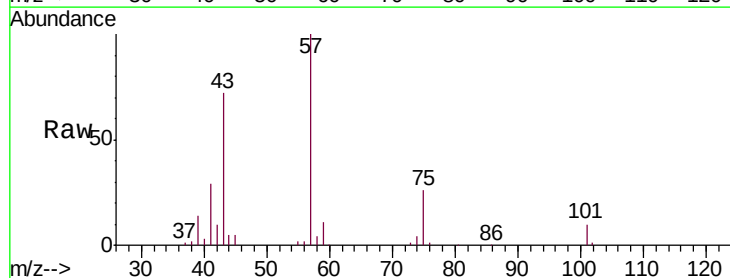
Tgt Ion: 75 Resp: 25689

Ion Ratio Lower Upper

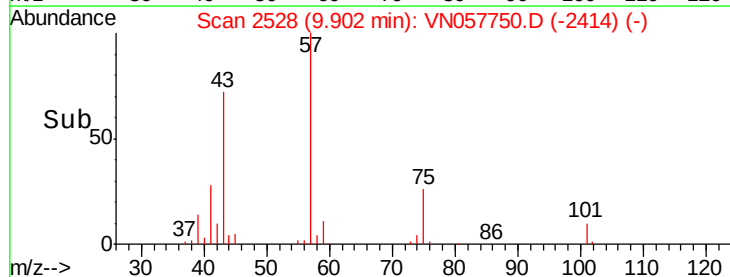
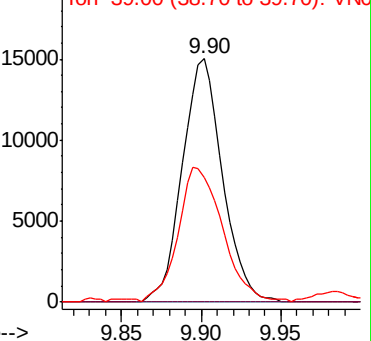
75 100

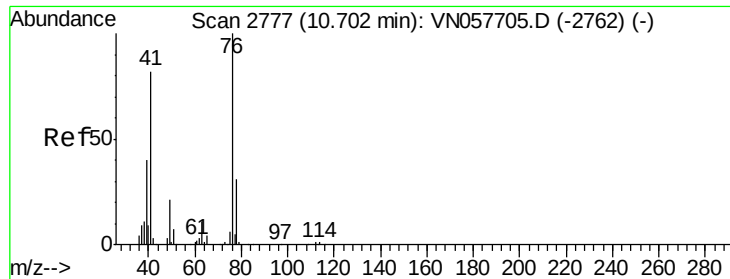
77 0.0 25.1 37.7#

39 50.2 62.4 93.6#



Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-2492) (-)

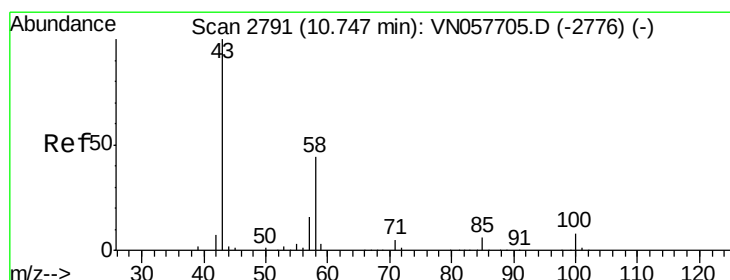
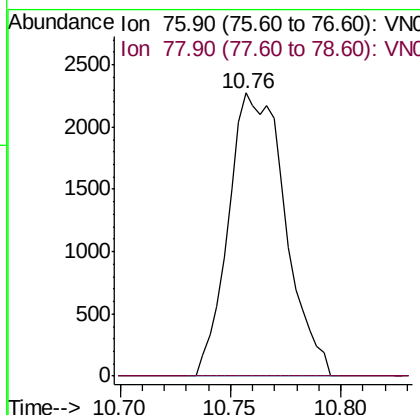
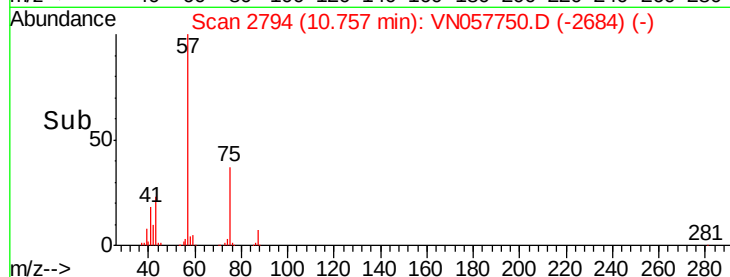
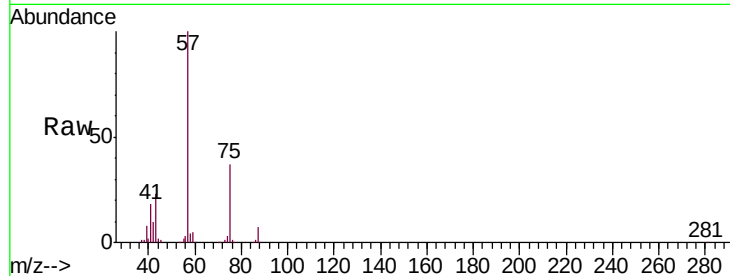




#57
 1,3-Dichloropropane
 Concen: 0.730 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.05 min
 Lab File: VN057750.D
 Acq: 7 Sep 2019 14:00

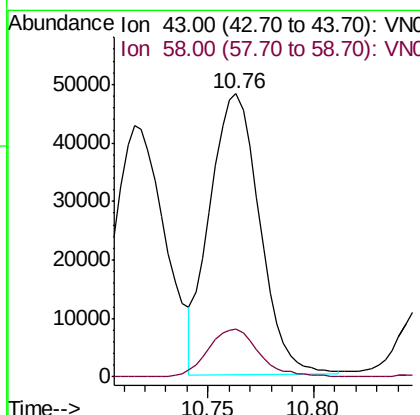
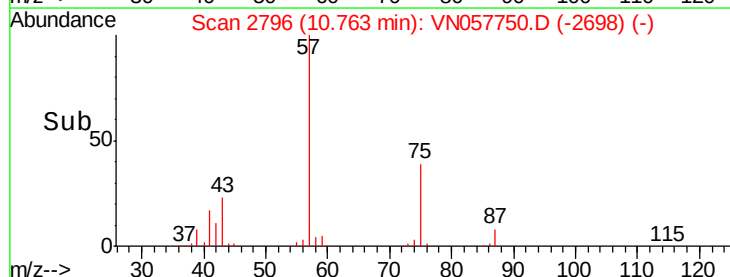
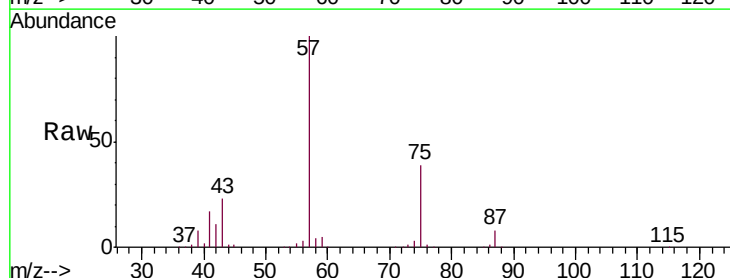
Instrument :
 MSVOA_N
 ClientSampled :
 PB122865TB

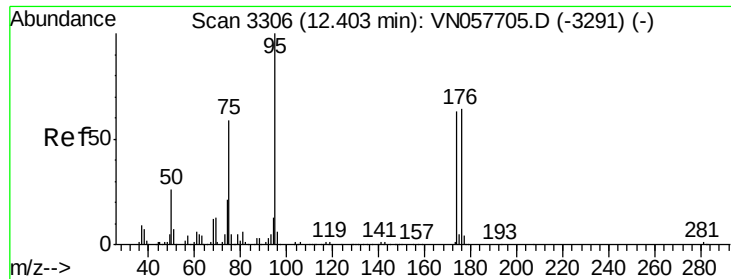
Tgt Ion: 76 Resp: 4056
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 23.569 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057750.D
 Acq: 7 Sep 2019 14:00

Tgt Ion: 43 Resp: 78873
 Ion Ratio Lower Upper
 43 100
 58 17.5 22.1 66.5#

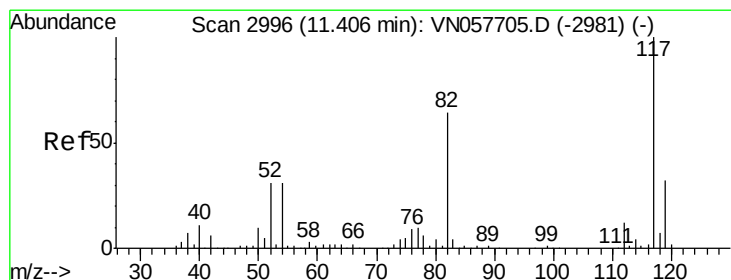
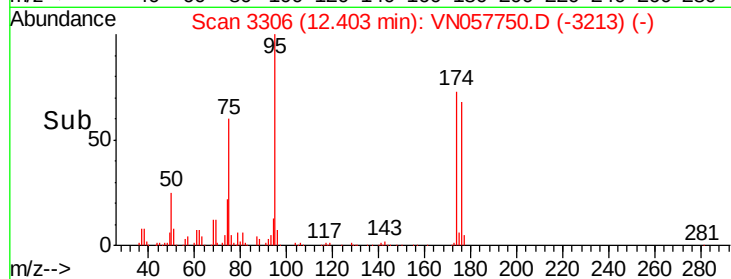
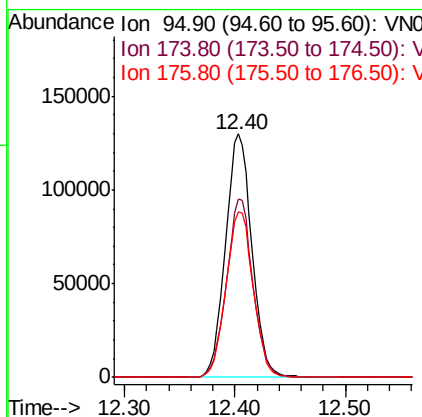
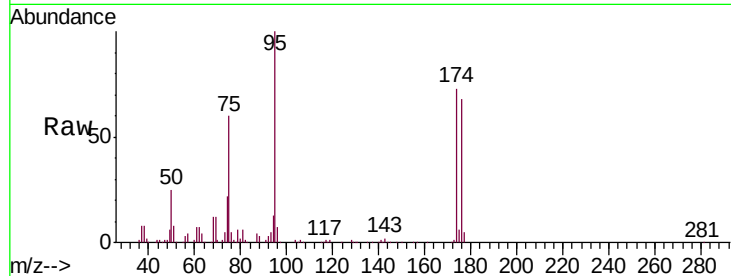




#62
4-Bromofluorobenzene
Concen: 45.615 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

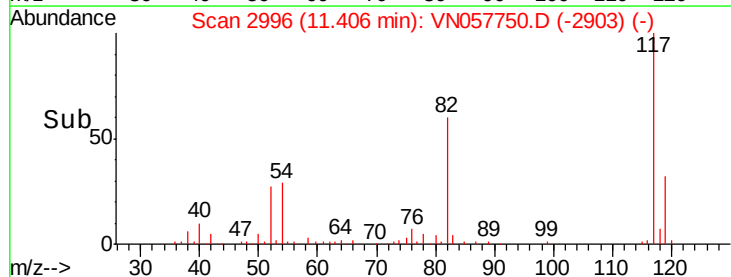
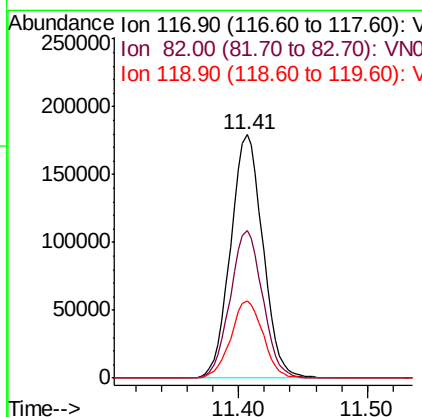
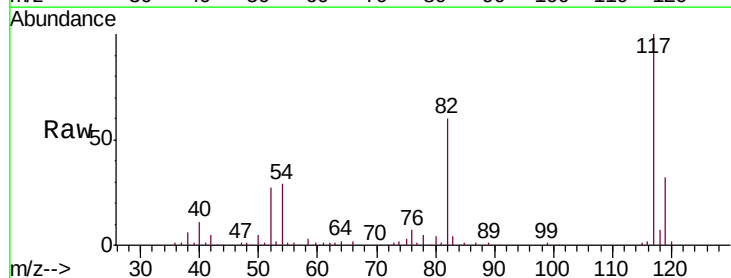
Instrument :
MSVOA_N
ClientSampleId :
PB122865TB

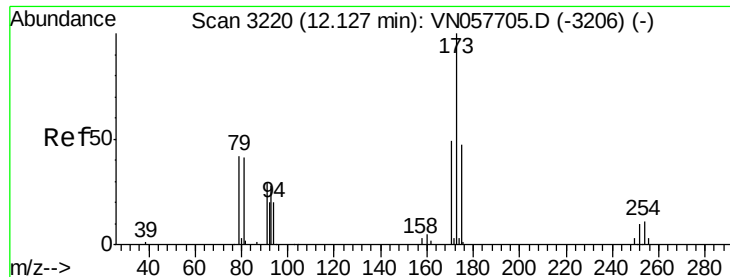
Tgt Ion: 95 Resp: 215193
Ion Ratio Lower Upper
95 100
174 73.1 0.0 128.0
176 70.1 0.0 128.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057750.D
Acq: 7 Sep 2019 14:00

Tgt Ion: 117 Resp: 312028
Ion Ratio Lower Upper
117 100
82 60.4 51.4 77.0
119 31.7 25.4 38.2





#71

Bromoform

Concen: 3.960 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

PB122865TB

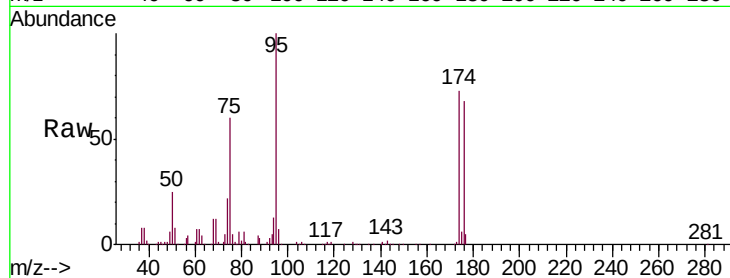
Tgt Ion:173 Resp: 1624

Ion Ratio Lower Upper

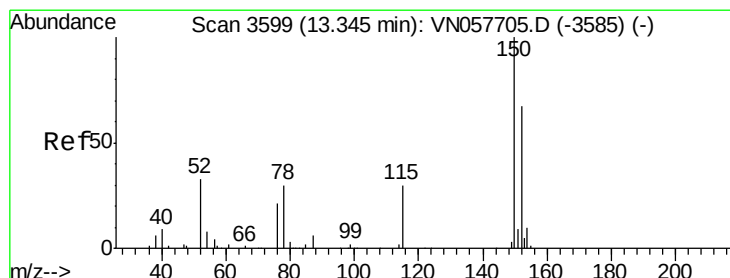
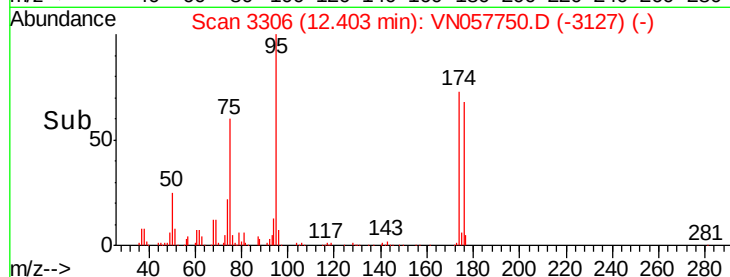
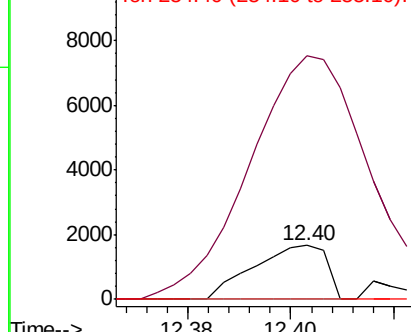
173 100

175 627.8 24.6 73.8#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

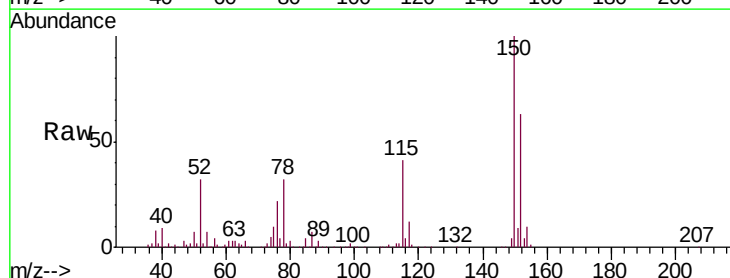
Tgt Ion:152 Resp: 162147

Ion Ratio Lower Upper

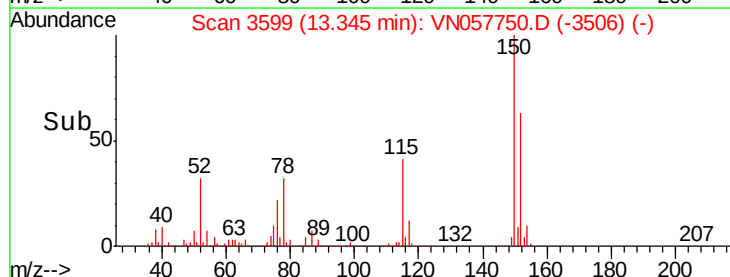
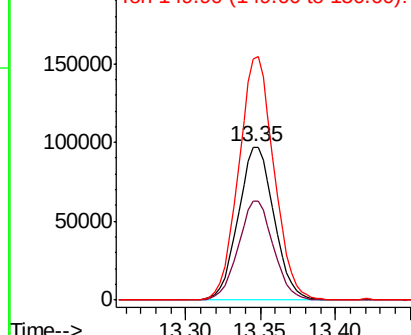
152 100

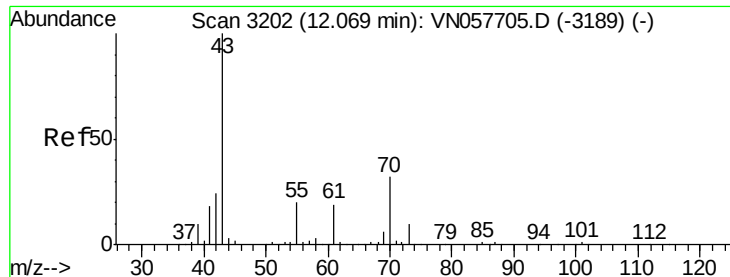
115 63.3 33.8 101.3

150 156.4 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





#74

N-amyI acetate

Concen: 0.267 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

PB122865TB

Tgt Ion: 43 Resp: 1911

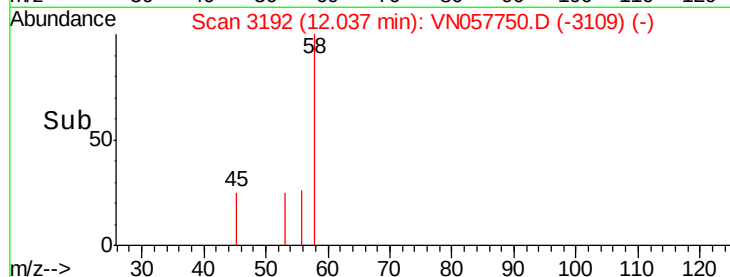
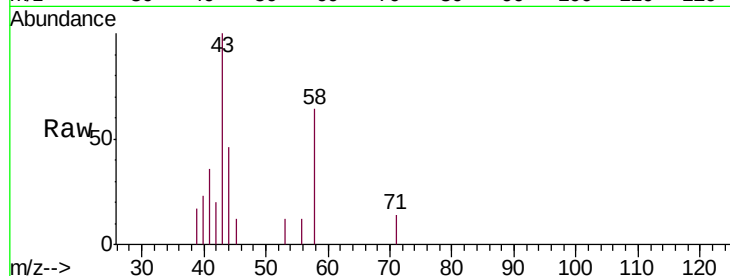
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 0.0 16.3 24.5#

61 0.0 15.0 22.4#

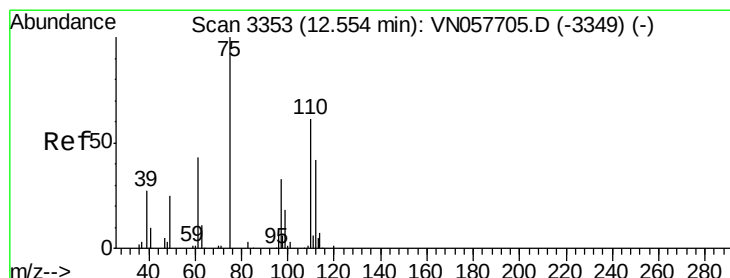
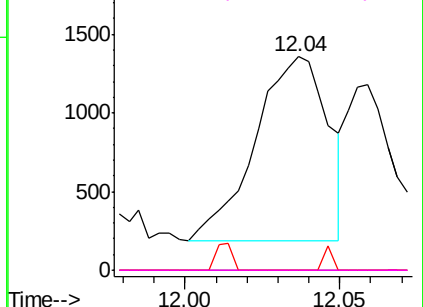


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 34.434 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057750.D

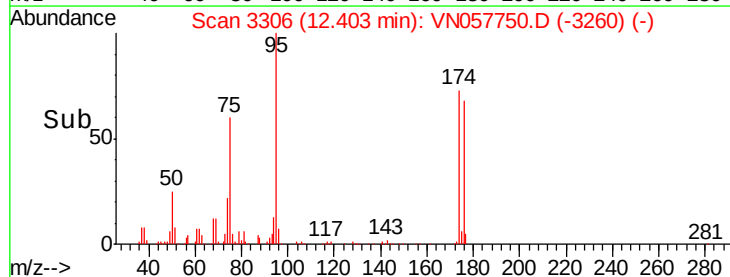
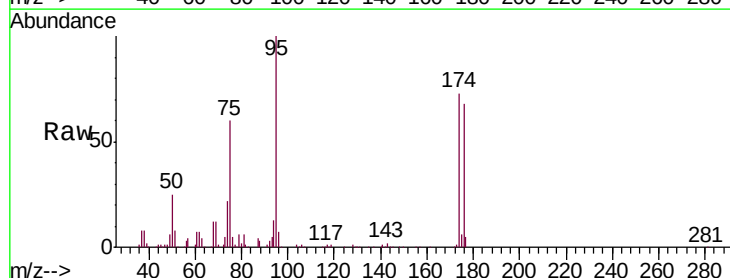
Acq: 7 Sep 2019 14:00

Tgt Ion: 75 Resp: 128215

Ion Ratio Lower Upper

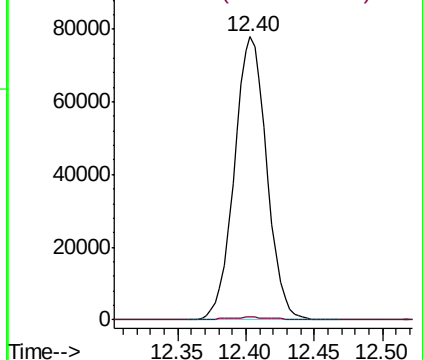
75 100

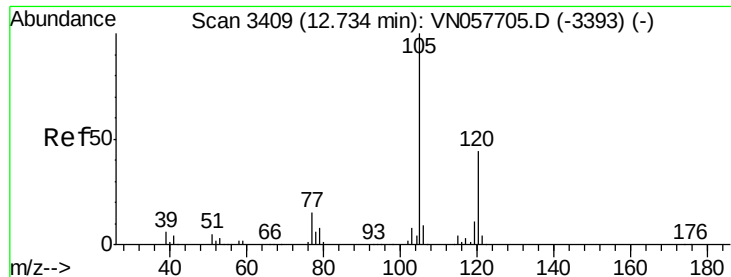
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.361 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

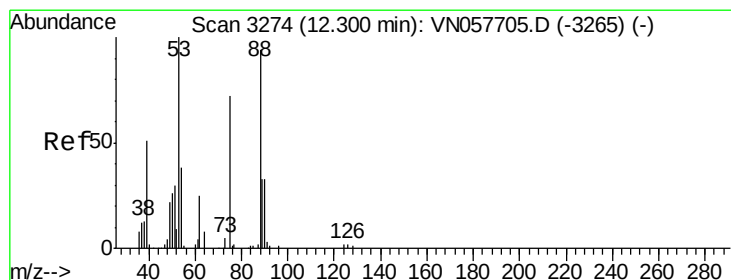
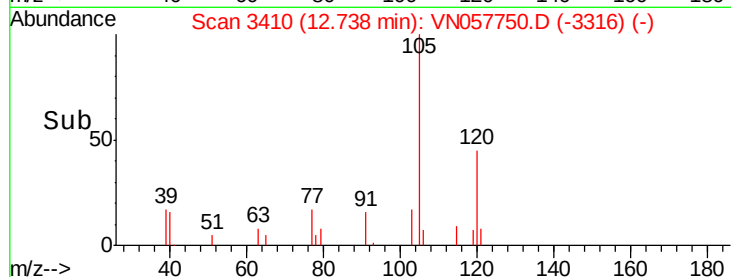
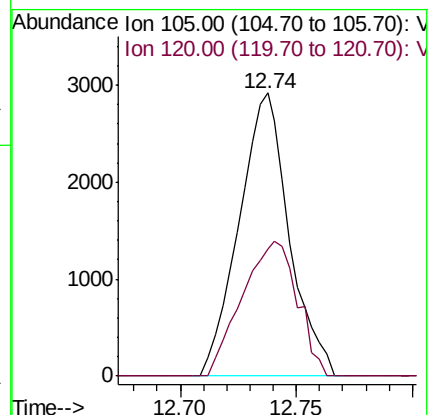
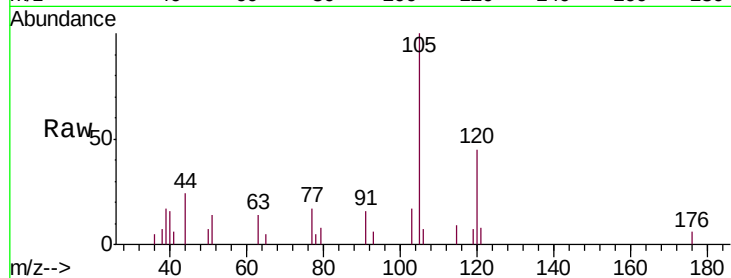
PB122865TB

Tgt Ion: 105 Resp: 4391

Ion Ratio Lower Upper

105 100

120 52.7 22.3 66.8



#81

trans-1,4-Dichloro-2-butene

Concen: 107.090 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

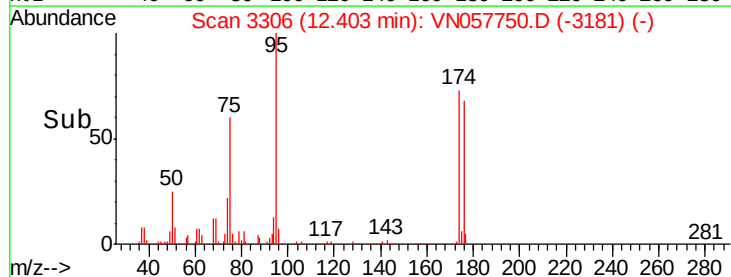
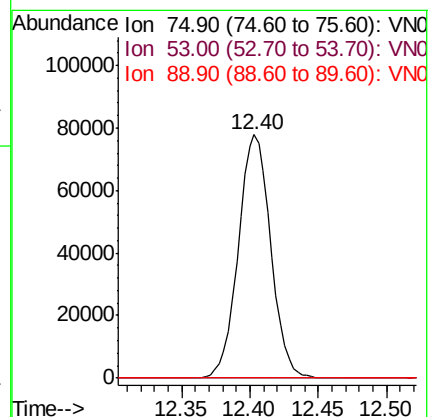
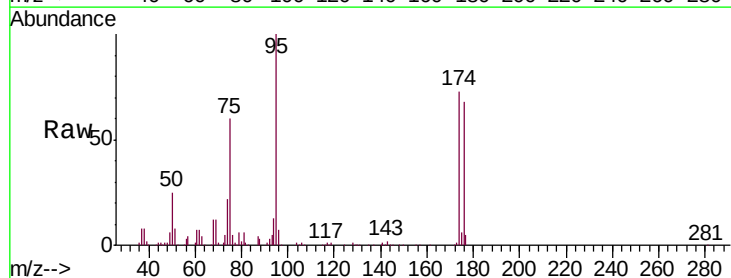
Tgt Ion: 75 Resp: 128215

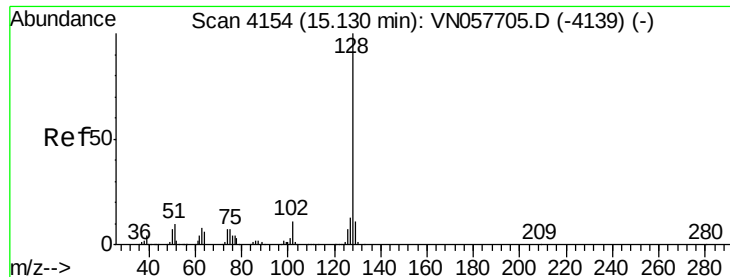
Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#





#95

Naphthalene

Concen: 0.202 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

Instrument :

MSVOA_N

ClientSampled :

PB122865TB

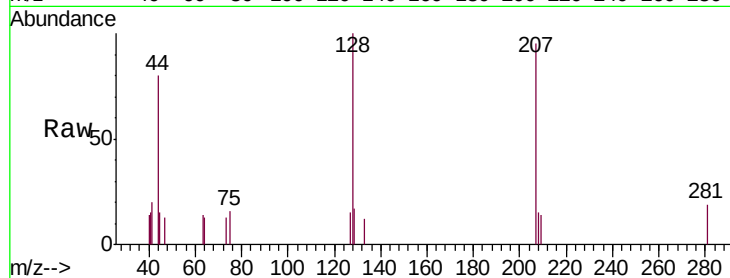
Tgt Ion:128 Resp: 2005

Ion Ratio Lower Upper

128 100

127 13.9 10.6 15.8

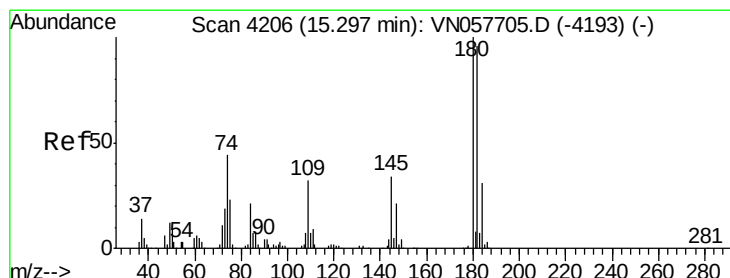
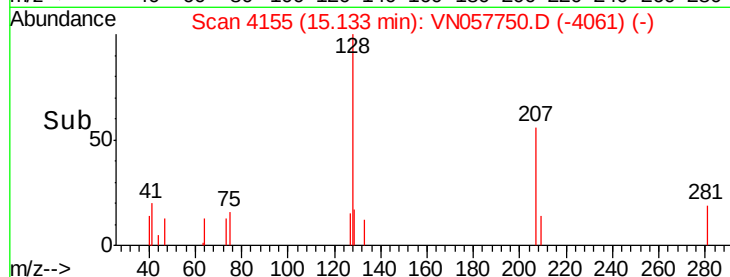
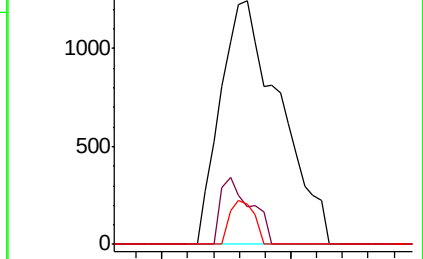
129 7.3 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.261 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.01 min

Lab File: VN057750.D

Acq: 7 Sep 2019 14:00

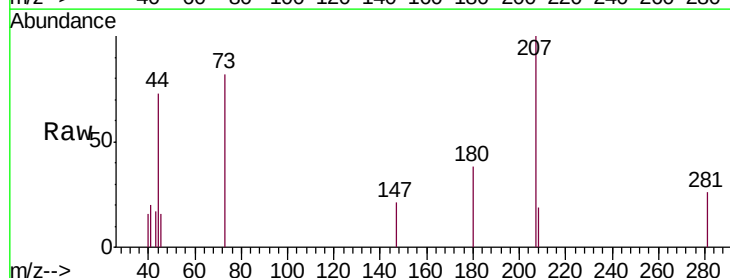
Tgt Ion:180 Resp: 859

Ion Ratio Lower Upper

180 100

182 44.4 47.0 141.2#

145 29.1 17.5 52.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

