

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053630.D
 Acq On : 6 Feb 2019 13:09
 Operator : JC/SP
 Sample : PB116860ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116860ZHE#03

Quant Time: Feb 07 03:41:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	782398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1292779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1155787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	471073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	415843	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
35) Dibromofluoromethane	7.59	113	410928	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	10.09	98	1545939	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	505015	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	

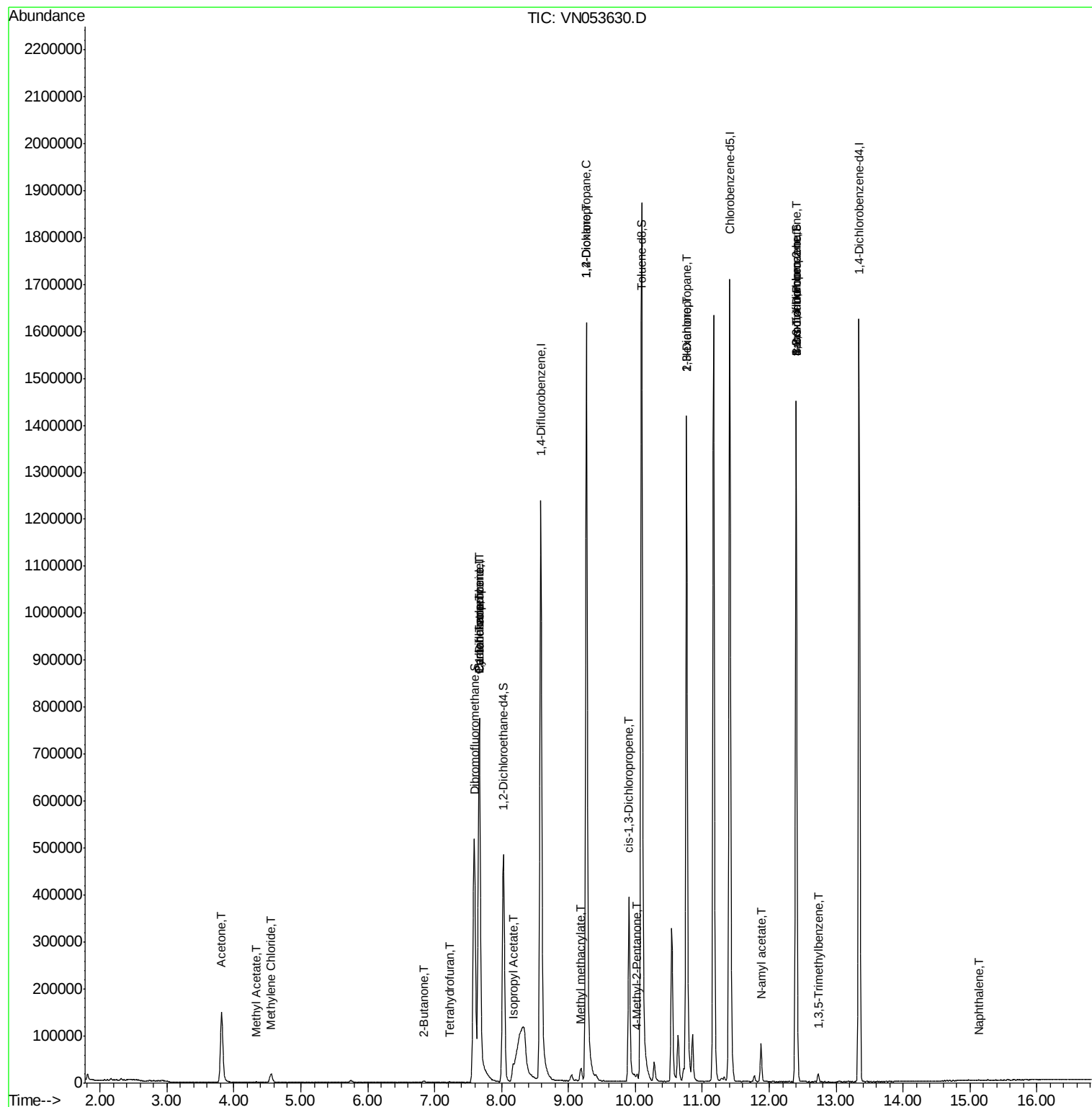
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	253395	125.862	ug/l	100
18) Methyl Acetate	4.33	43	3390	0.569	ug/l #	74
20) Methylene Chloride	4.56	84	14943	1.769	ug/l	94
25) 2-Butanone	6.83	43	4121	1.435	ug/l #	86
29) Tetrahydrofuran	7.21	42	744	0.404	ug/l #	69
31) Cyclohexane	7.67	56	11652	0.711	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45509	3.905	ug/l #	49
38) Carbon Tetrachloride	7.67	117	62524	5.326	ug/l #	16
43) Isopropyl Acetate	8.17	43	38204	3.039	ug/l #	81
45) 1,2-Dichloropropane	9.27	63	2231	0.243	ug/l #	43
48) Methyl methacrylate	9.18	41	10346	1.724	ug/l #	12
49) 1,4-Dioxane	9.27	88	209	41.408	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	10706	1.733	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	85800	6.276	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	15910	1.211	ug/l #	43
59) 2-Hexanone	10.76	43	209439	49.948	ug/l #	51
71) Bromoform	12.40	173	3167	0.539	ug/l #	1
74) N-amyl acetate	11.88	43	24226	3.042	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	231352	38.236	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8459	0.308	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	231352	107.516	ug/l #	15
95) Naphthalene	15.13	128	449	1.757	ug/l #	69

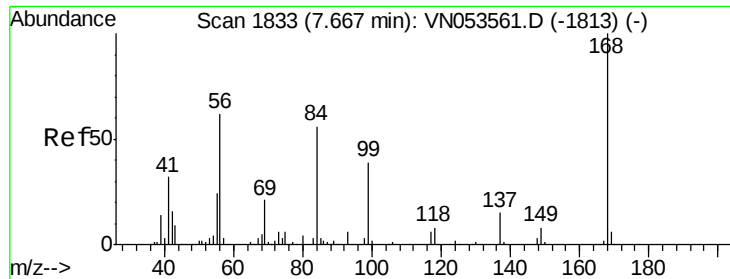
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020619\
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

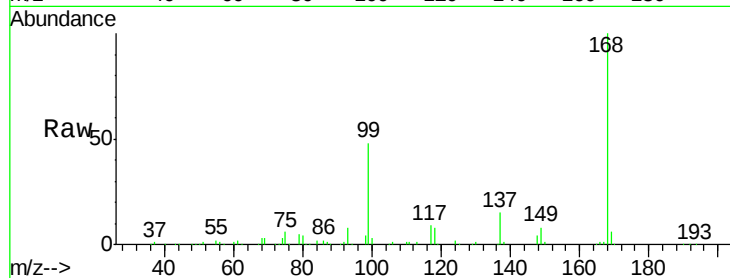
PB116860ZHE#03

Tot Ion:168 Resp: 782398

Ion Ratio Lower Upper

168 100

99 47.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

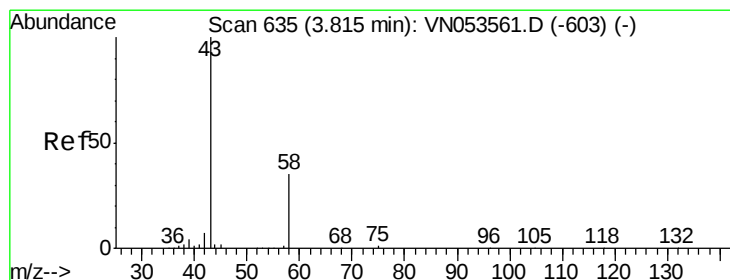
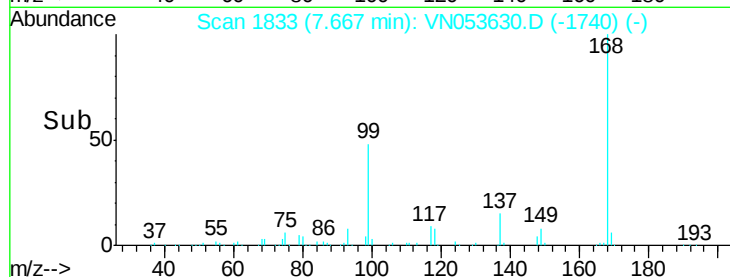
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 125.862 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053630.D

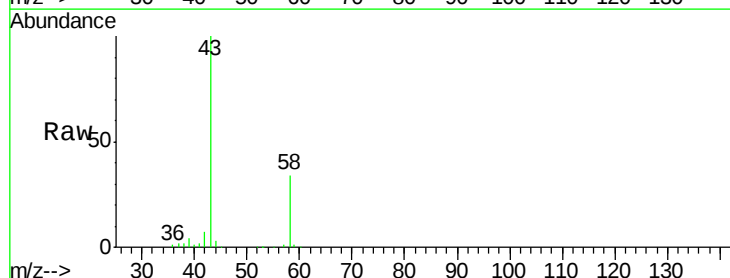
Acq: 6 Feb 2019 13:09

Tgt Ion: 43 Resp: 253395

Ion Ratio Lower Upper

43 100

58 34.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

100000

80000

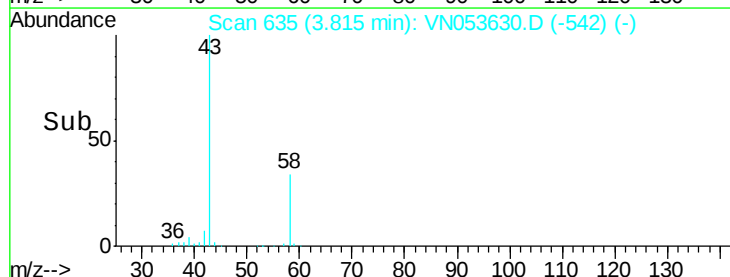
60000

40000

20000

0

Time-->

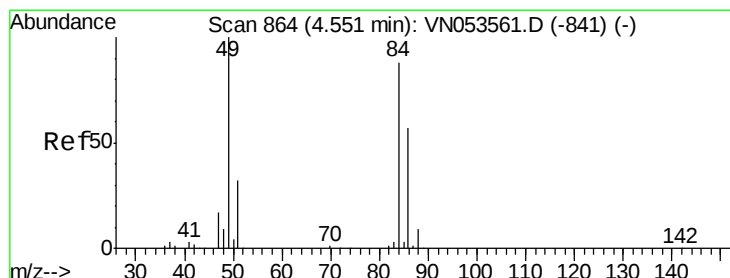
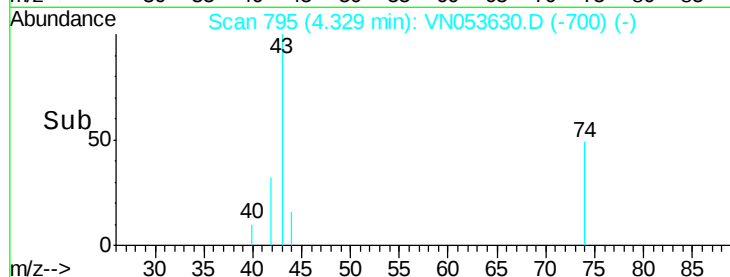
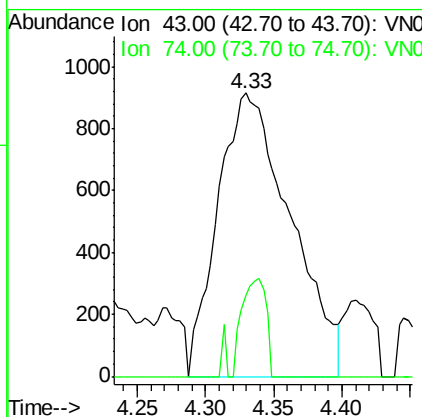
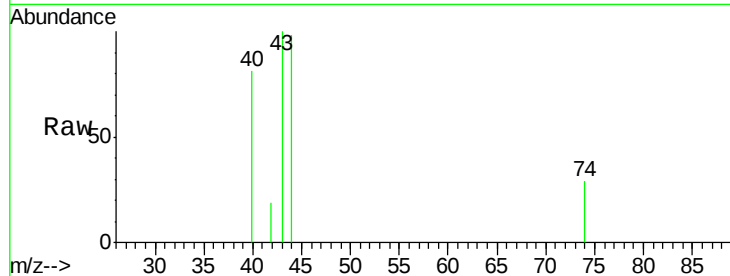




#18
Methyl Acetate
Concen: 0.569 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

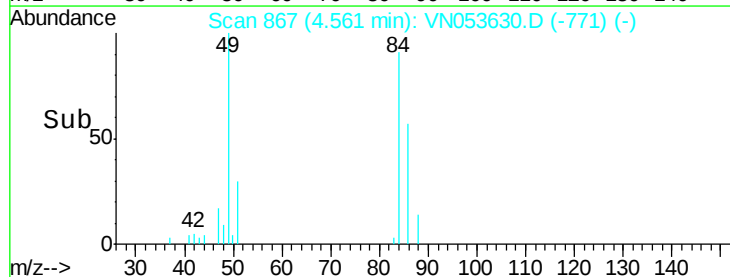
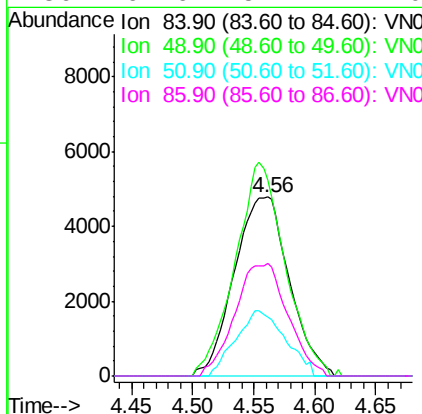
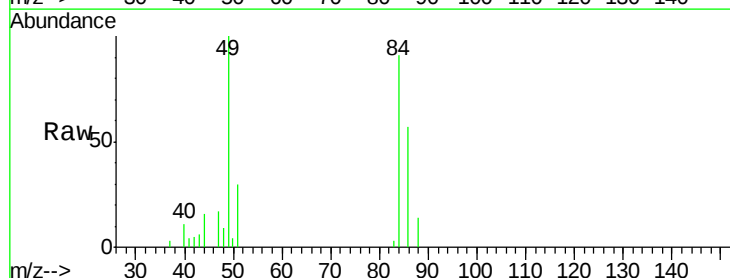
Instrument :
MSVOA_N
ClientSampleId :
PB116860ZHE#03

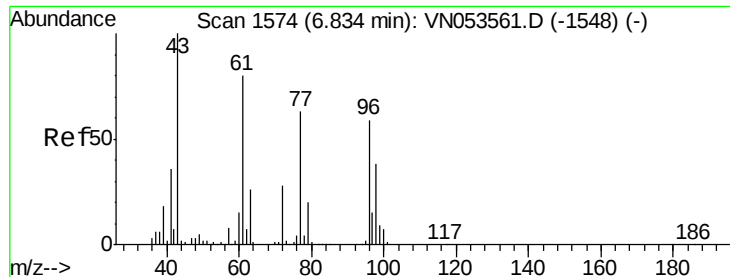
Tot Ion: 43 Resp: 3390
Ion Ratio Lower Upper
43 100
74 11.5 19.4 29.2#



#20
Methylene Chloride
Concen: 1.769 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

Tgt Ion: 84 Resp: 14943
Ion Ratio Lower Upper
84 100
49 109.6 94.3 141.5
51 32.8 29.4 44.2
86 62.6 51.4 77.0

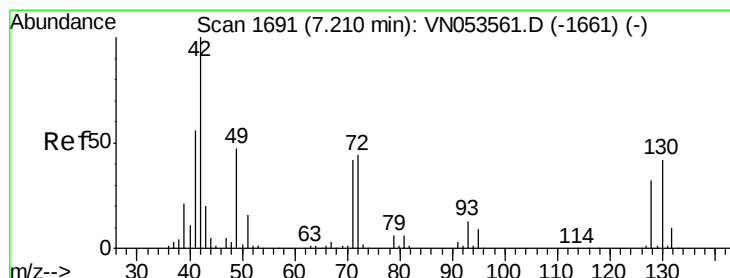
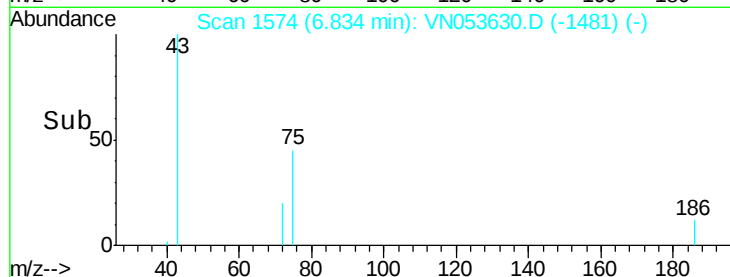
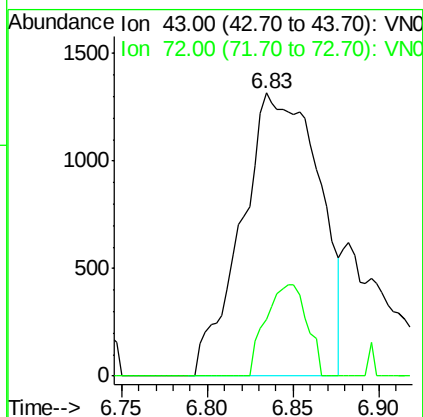
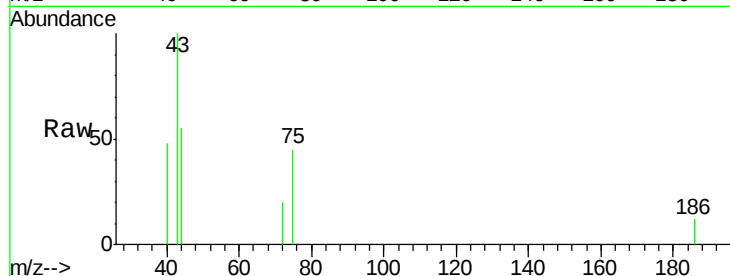




#25
2-Butanone
Concen: 1.435 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

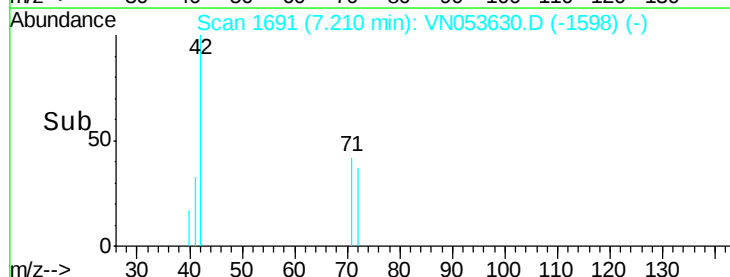
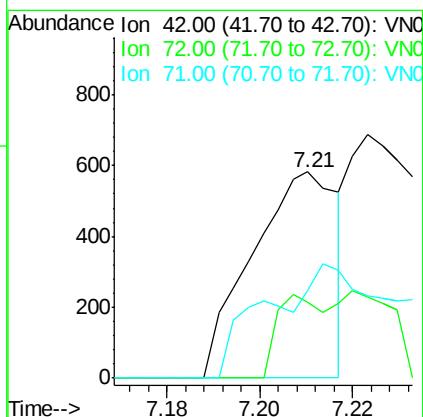
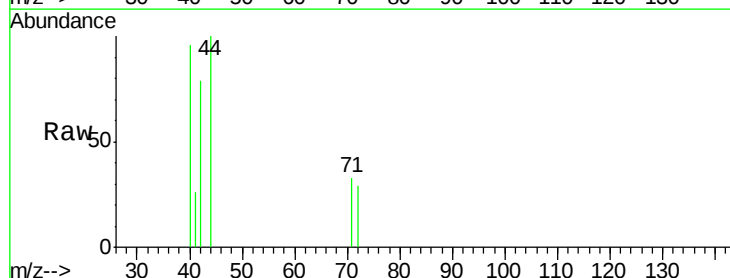
Instrument :
MSVOA_N
ClientSampleId :
PB116860ZHE#03

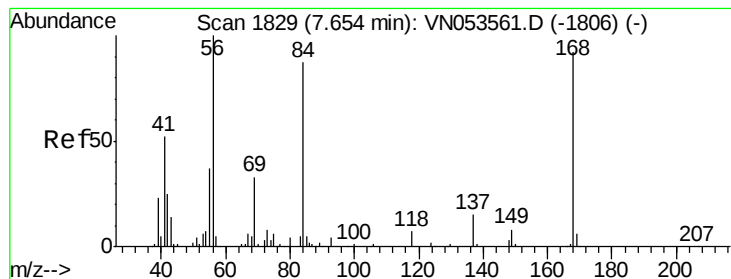
Tot Ion: 43 Resp: 4121
Ion Ratio Lower Upper
43 100
72 20.1 22.0 33.0#



#29
Tetrahydrofuran
Concen: 0.404 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

Tgt Ion: 42 Resp: 744
Ion Ratio Lower Upper
42 100
72 21.5 35.2 52.8#
71 57.5 33.0 49.4#





#31

Cyclohexane

Concen: 0.711 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

PB116860ZHE#03

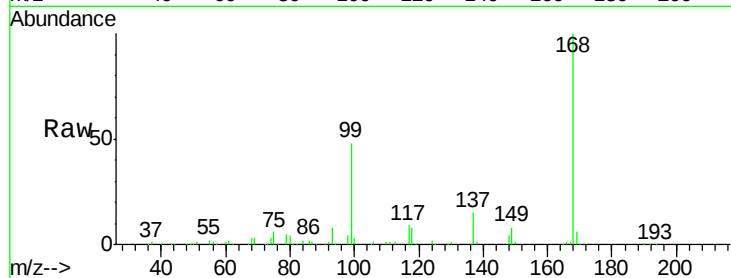
Tot Ion: 56 Resp: 11652

Ion Ratio Lower Upper

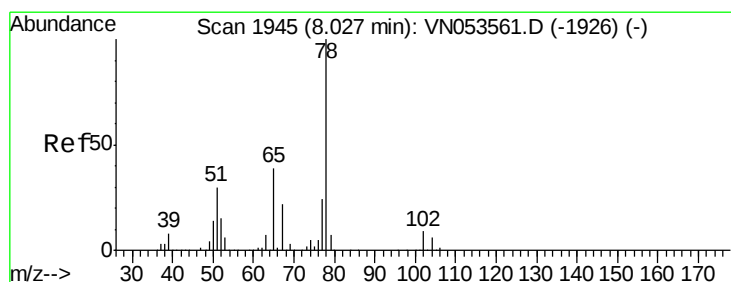
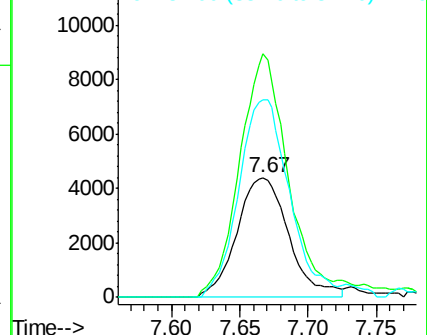
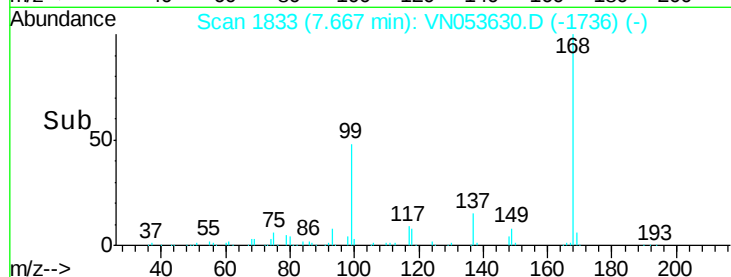
56 100

69 203.6 26.4 39.6#

84 164.7 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN053630.D (-1736) (-)



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053630.D

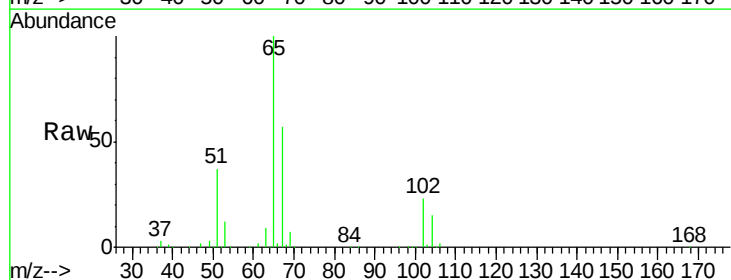
Acq: 6 Feb 2019 13:09

Tgt Ion: 65 Resp: 415843

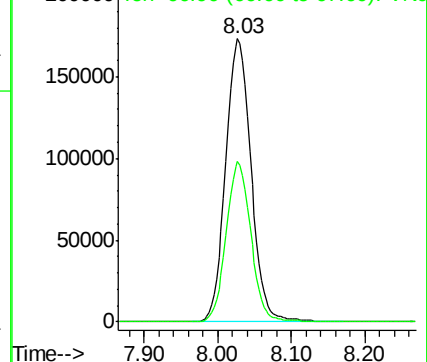
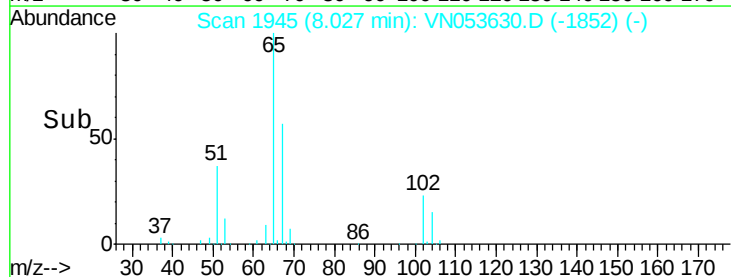
Ion Ratio Lower Upper

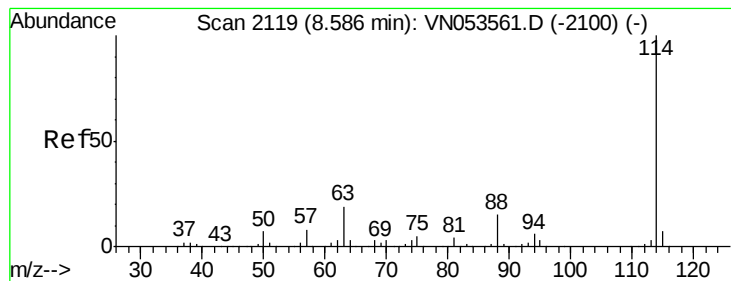
65 100

67 55.1 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053630.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

PB116860ZHE#03

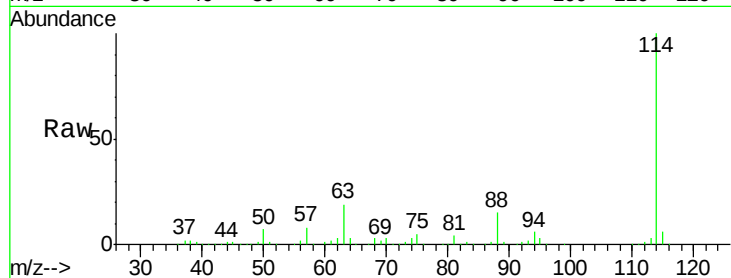
Tot Ion:114 Resp: 1292779

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

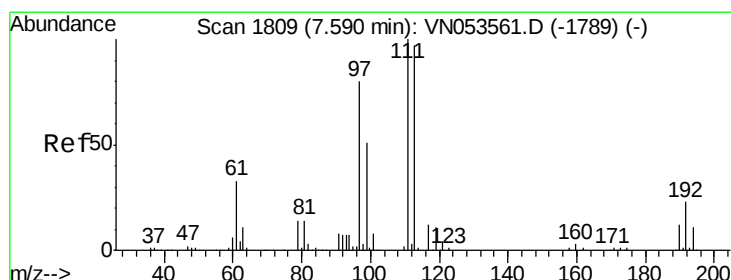
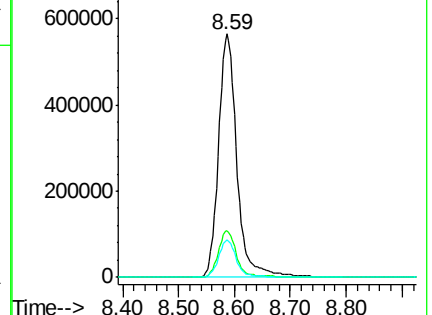
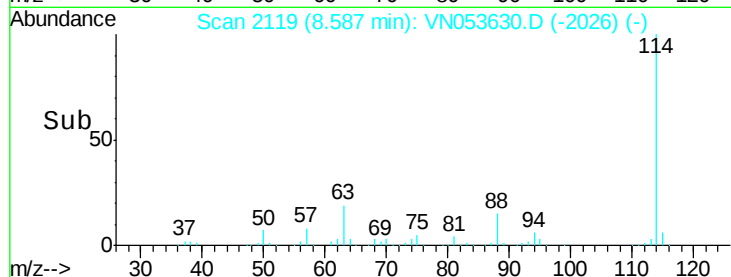
88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

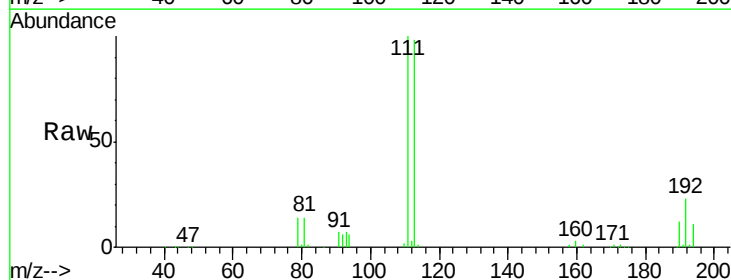
Tgt Ion:113 Resp: 410928

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

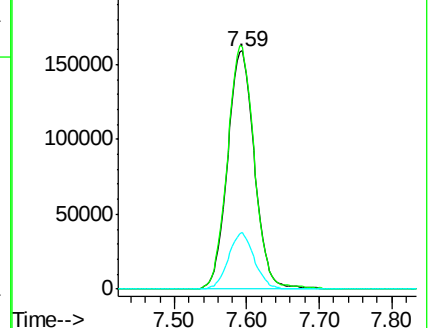
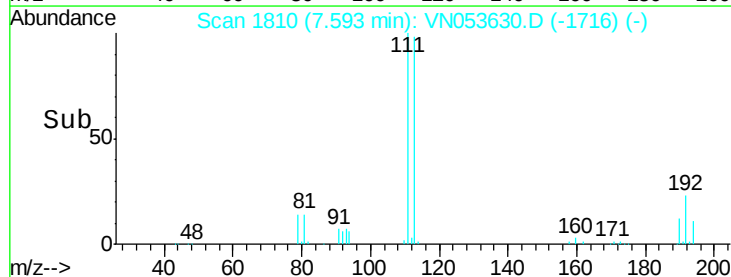
192 22.8 18.2 27.2

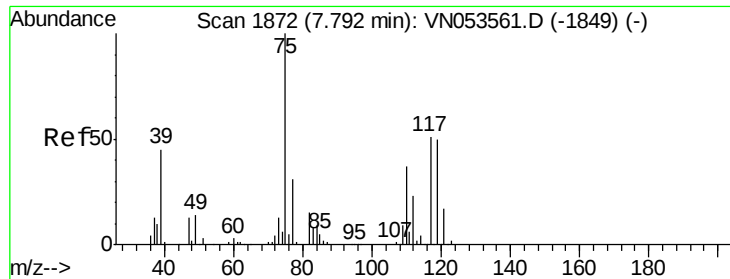


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.905 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Instrument :

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PB116860ZHE#03

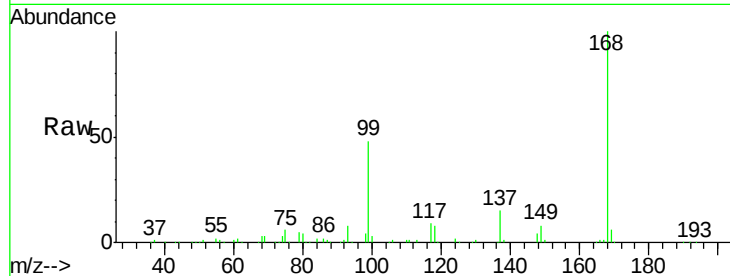
Tot Ion: 75 Resp: 45509

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

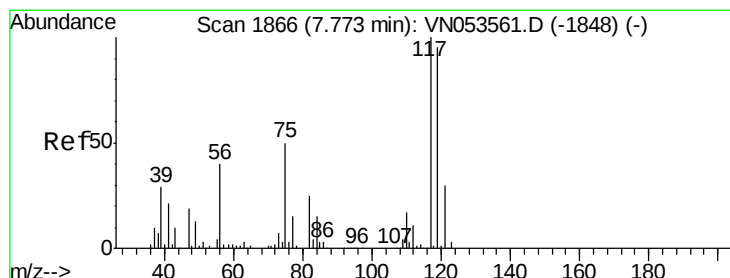
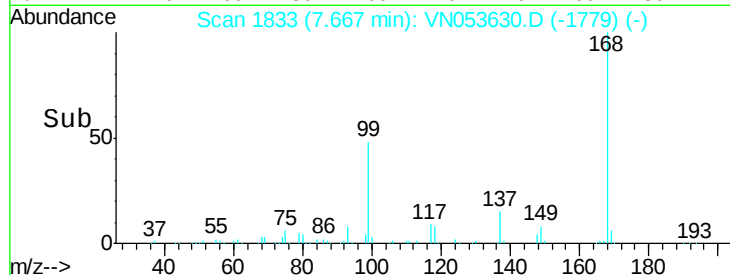
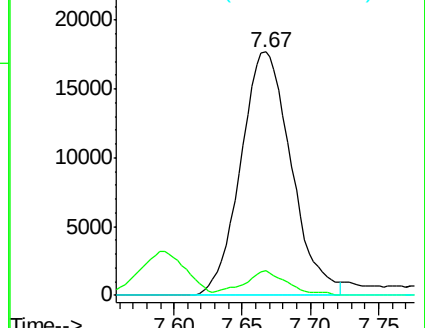
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN053630.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053630.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053630.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 5.326 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

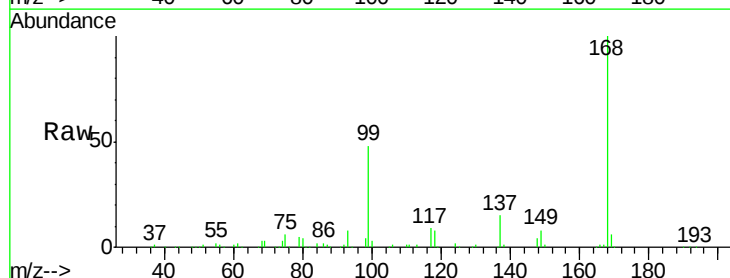
Tgt Ion: 117 Resp: 62524

Ion Ratio Lower Upper

117 100

119 5.7 77.2 115.8#

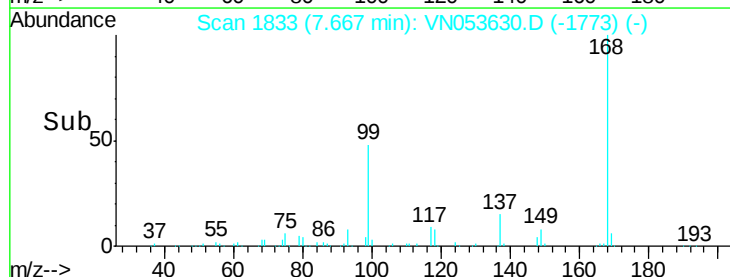
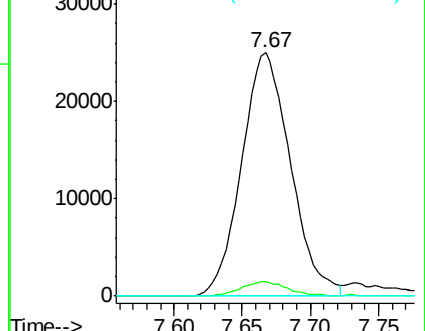
121 0.0 24.6 37.0#

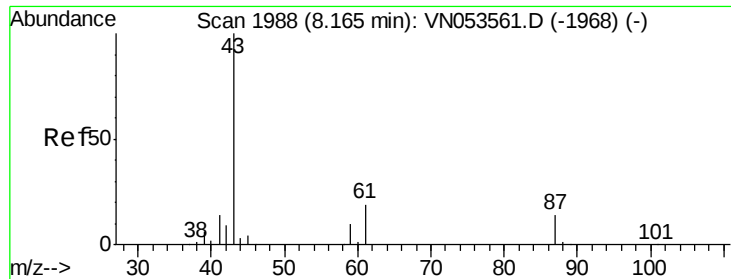


Abundance Ion 116.80 (116.50 to 117.50): VN053630.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053630.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053630.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 3.039 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

PB116860ZHE#03

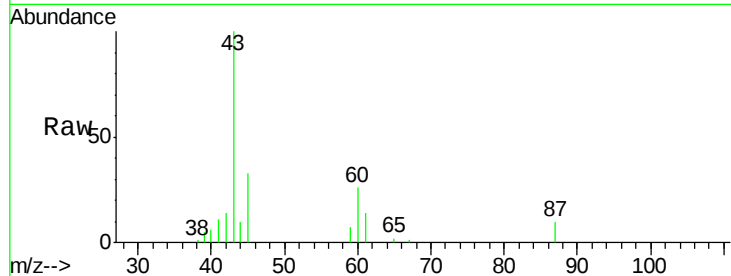
Tot Ion: 43 Resp: 38204

Ion Ratio Lower Upper

43 100

61 16.5 23.9 35.9#

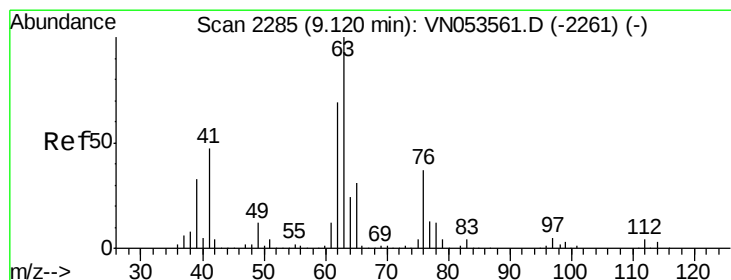
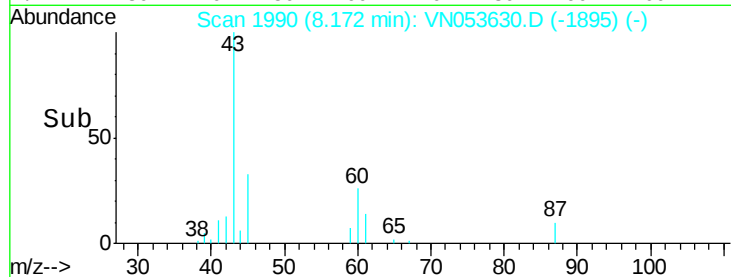
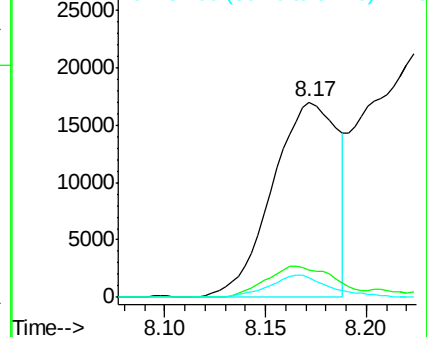
87 10.6 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.243 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053630.D

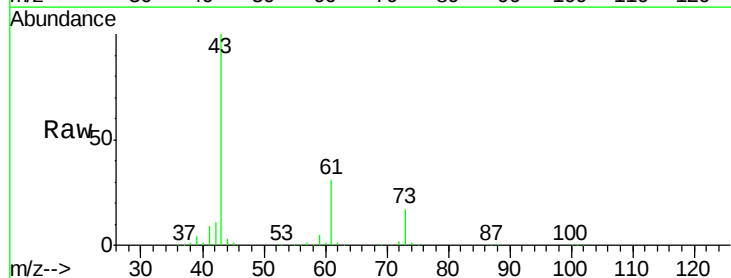
Acq: 6 Feb 2019 13:09

Tgt Ion: 63 Resp: 2231

Ion Ratio Lower Upper

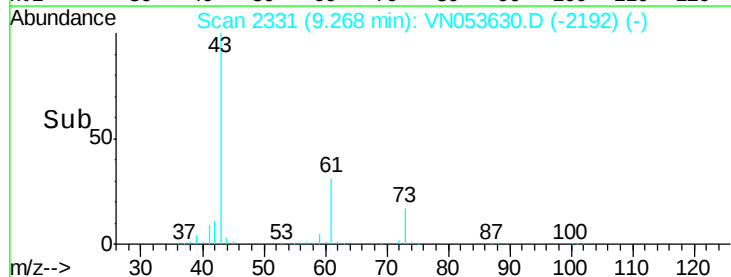
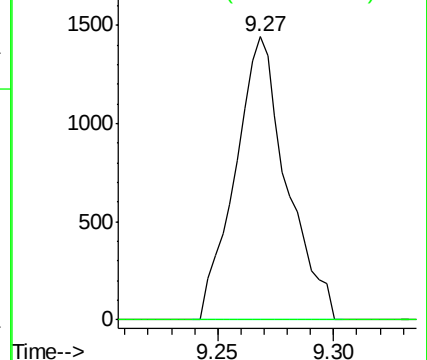
63 100

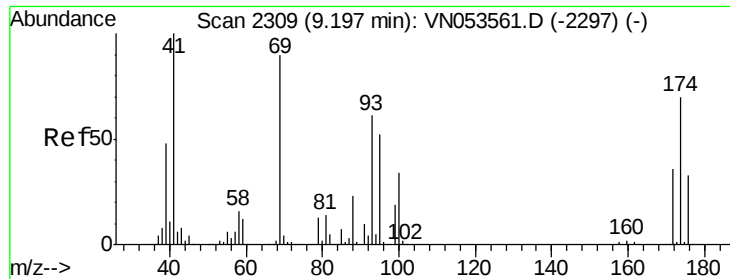
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

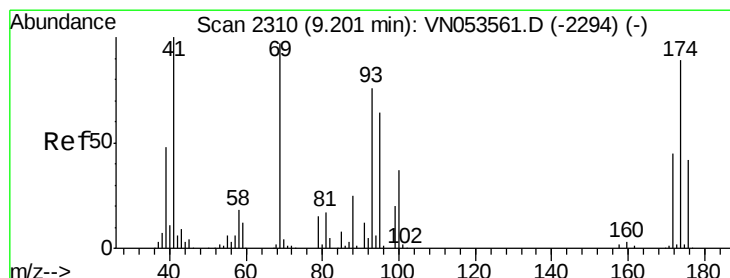
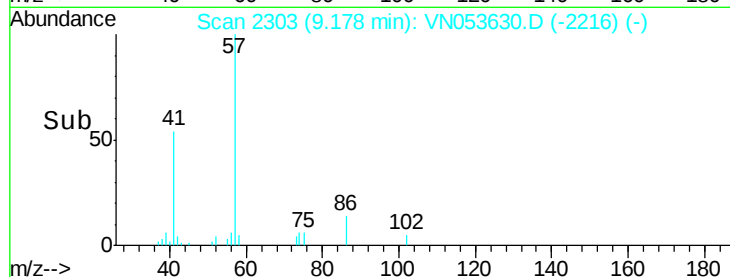
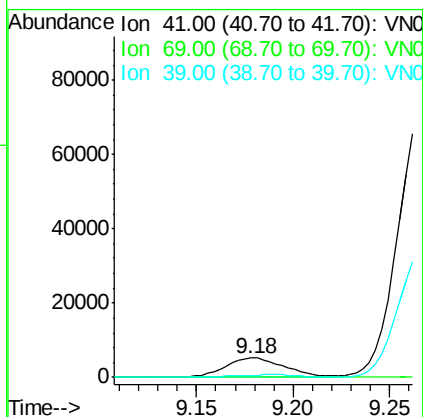
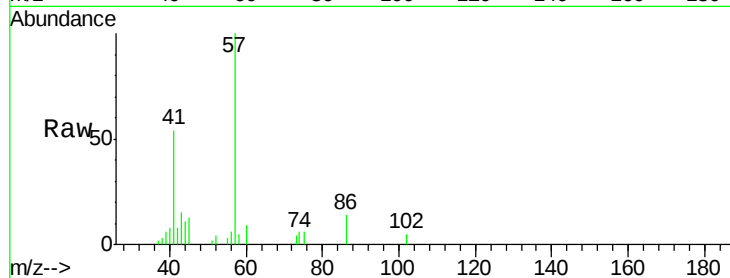




#48
Methvl methacrylate
Concen: 1.724 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

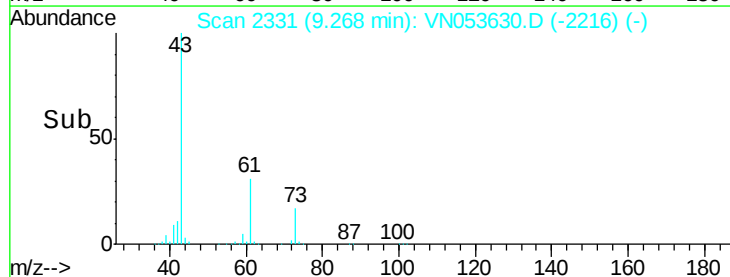
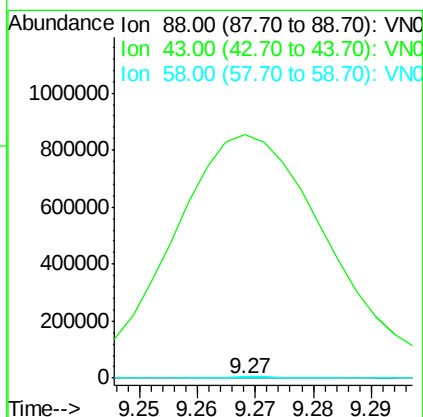
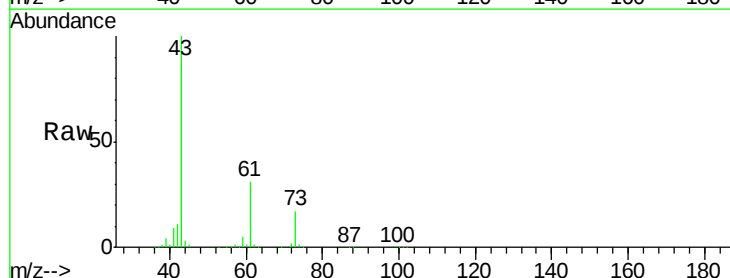
Instrument :
MSVOA_N
ClientSampleId :
PB116860ZHE#03

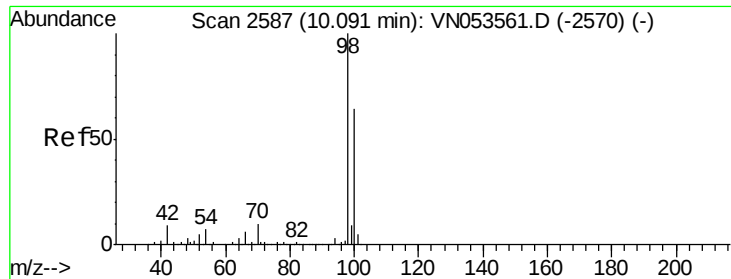
Tot Ion: 41 Resp: 10346
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#



#49
1,4-Dioxane
Concen: 41.408 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

Tgt Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
43 835321.1 27.8 41.6#
58 3771.3 56.5 84.7#





#50

Toluene-d8

Concen: 41.408 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

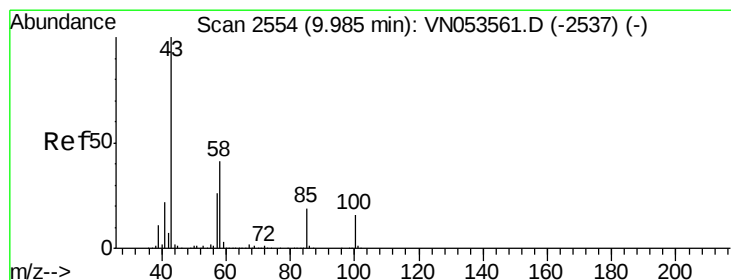
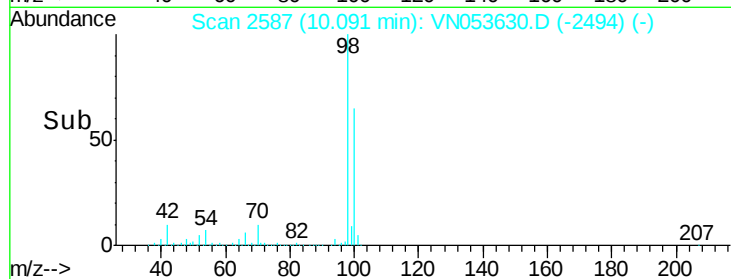
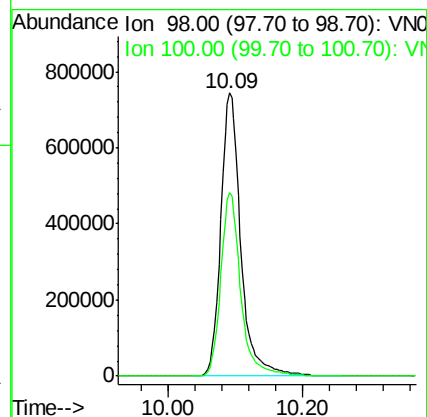
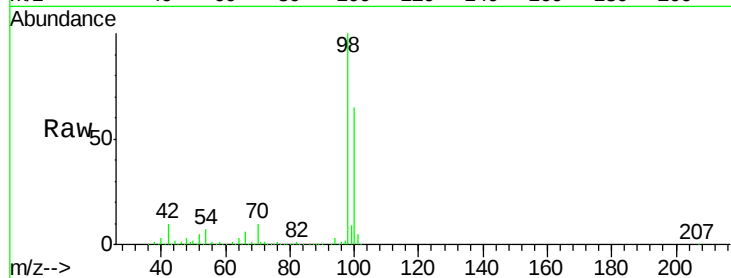
PB116860ZHE#03

Tot Ion: 98 Resp: 1545939

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.733 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN053630.D

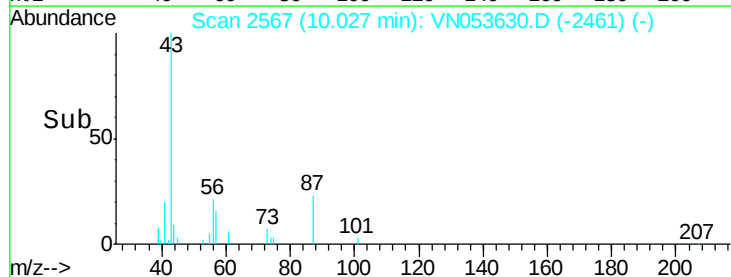
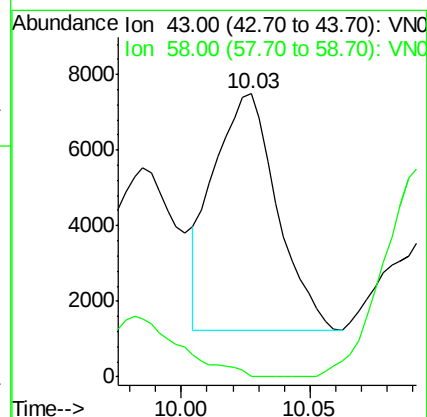
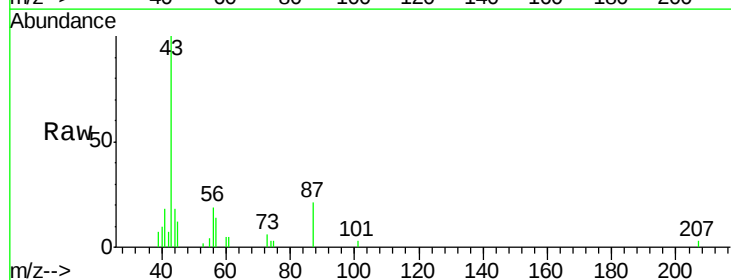
Acq: 6 Feb 2019 13:09

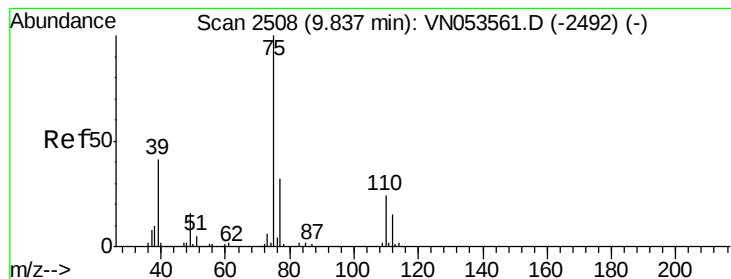
Tgt Ion: 43 Resp: 10706

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#



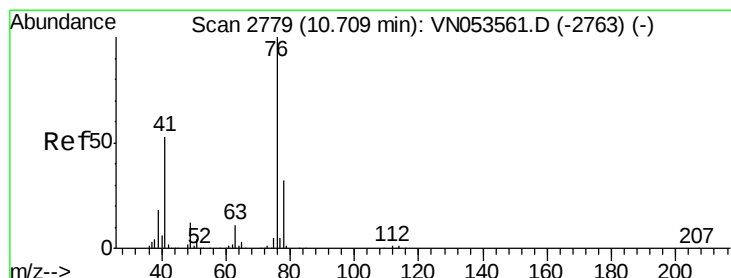
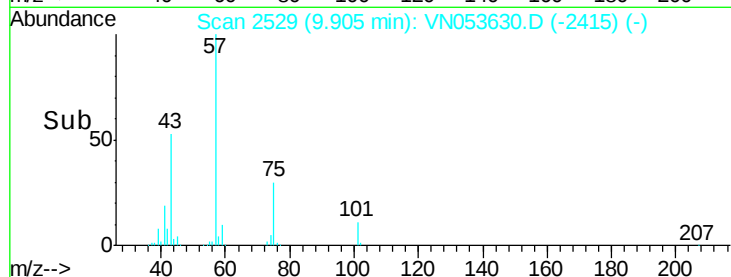
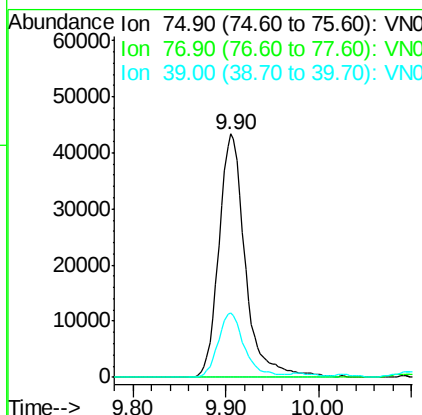
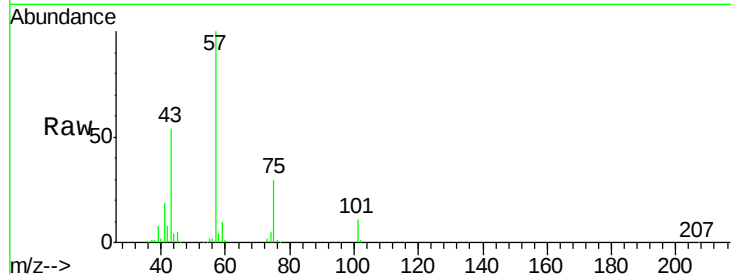


#54

cis-1,3-Dichloropropene
 Concen: 6.276 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053630.D
 Acq: 6 Feb 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116860ZHE#03

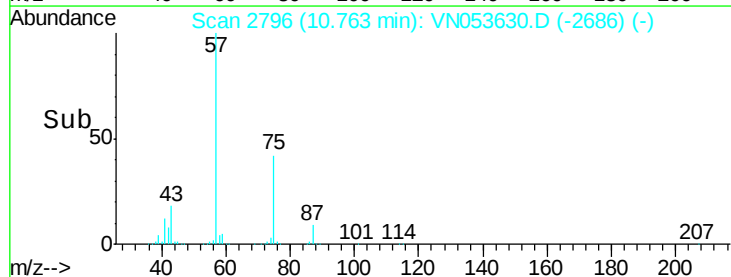
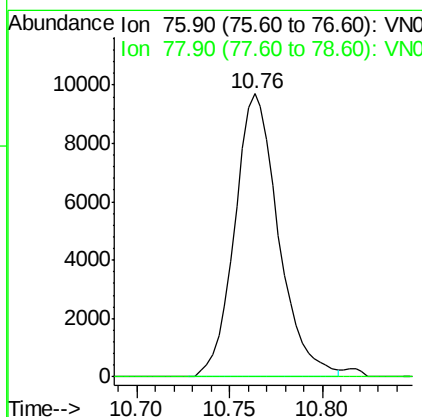
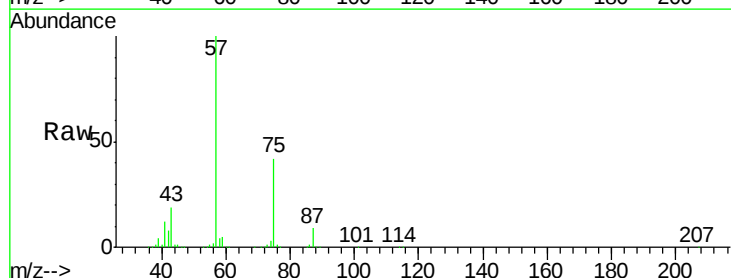
Tot Ion	75	Resp	85800
Ion Ratio	Lower	Upper	
75	100		
77	0.3	25.8	38.6#
39	26.7	33.4	50.0#

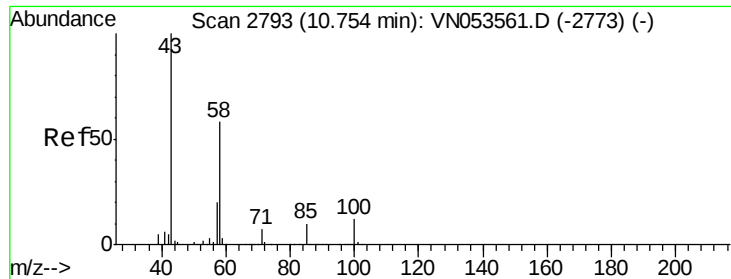


#57

1,3-Dichloropropane
 Concen: 1.211 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053630.D
 Acq: 6 Feb 2019 13:09

Tgt Ion	76	Resp	15910
Ion Ratio	Lower	Upper	
76	100		
78	0.0	25.6	38.4#

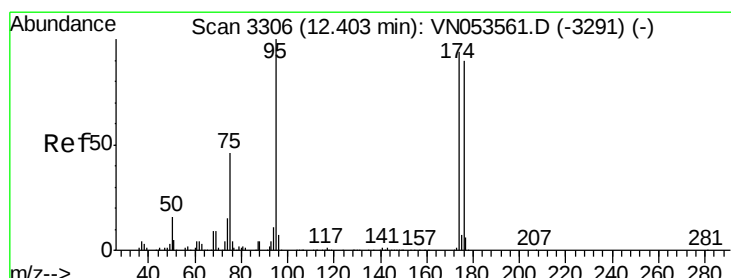
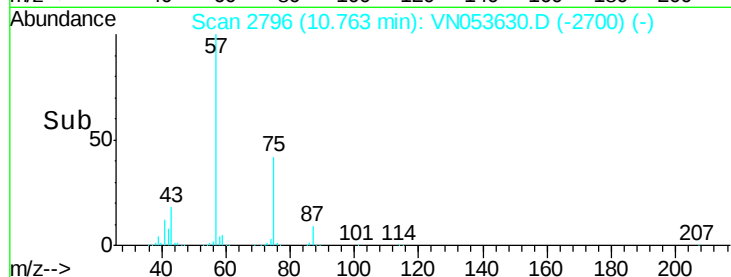
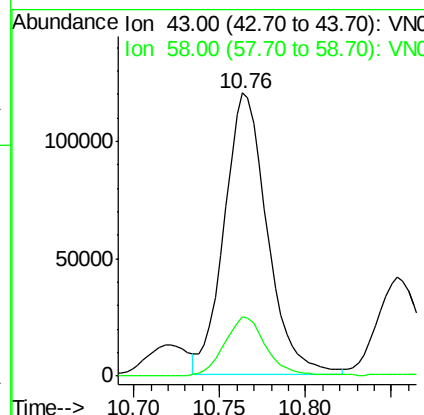
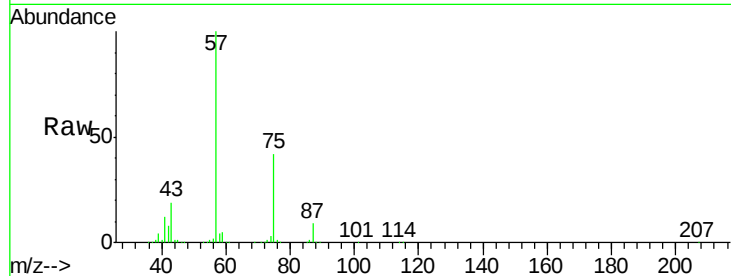




#59
2-Hexanone
Concen: 49.948 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

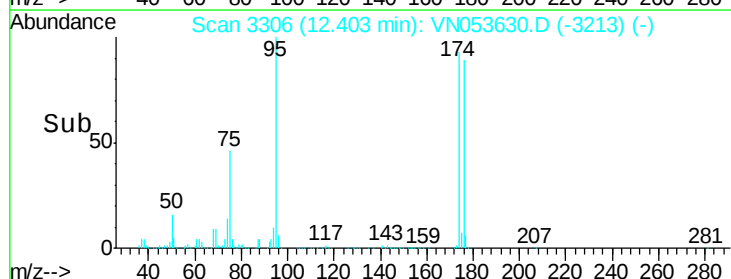
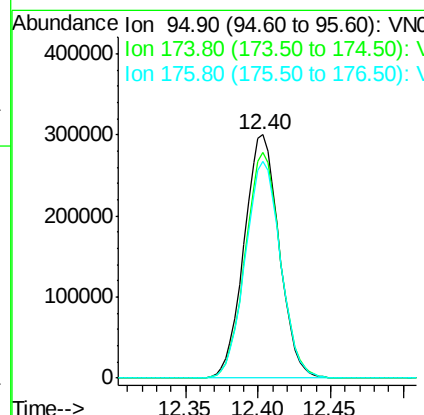
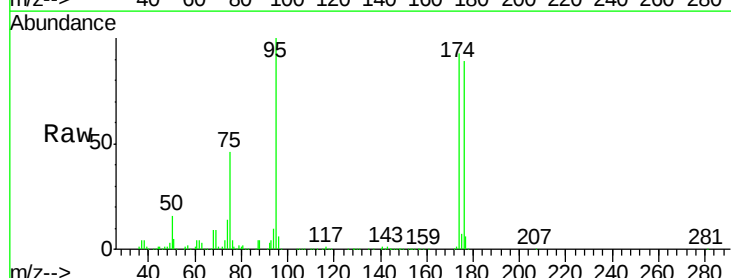
Instrument :
MSVOA_N
ClientSampleId :
PB116860ZHE#03

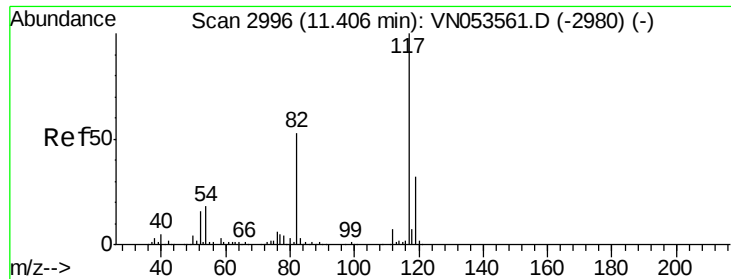
Tot Ion: 43 Resp: 209439
Ion Ratio Lower Upper
43 100
58 20.8 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

Tgt Ion: 95 Resp: 505015
Ion Ratio Lower Upper
95 100
174 92.6 0.0 183.2
176 90.0 0.0 177.4

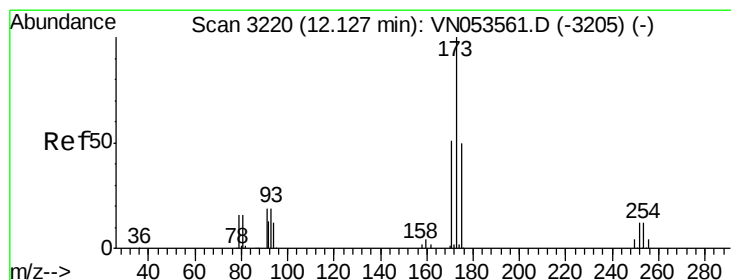
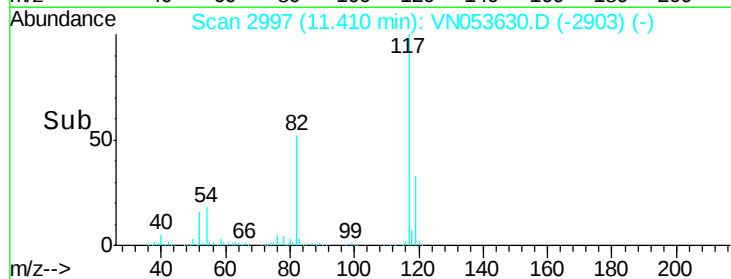
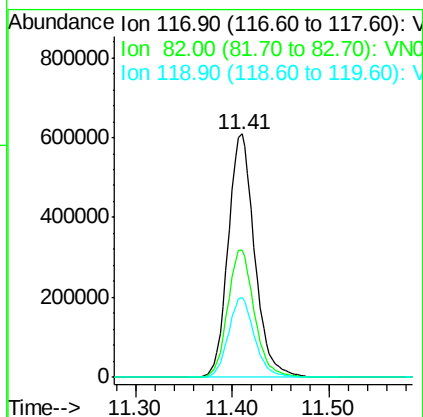
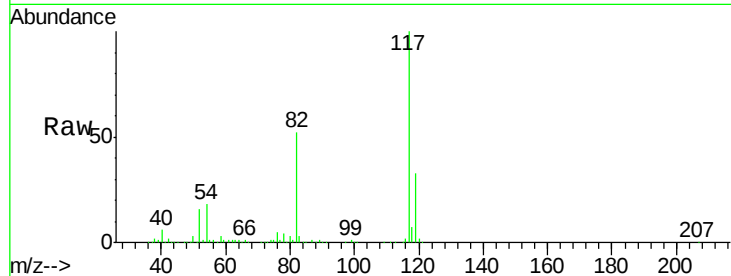




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

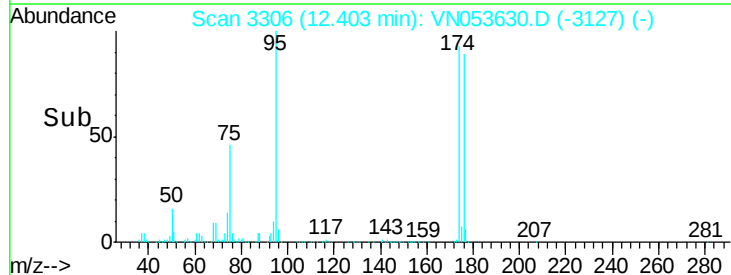
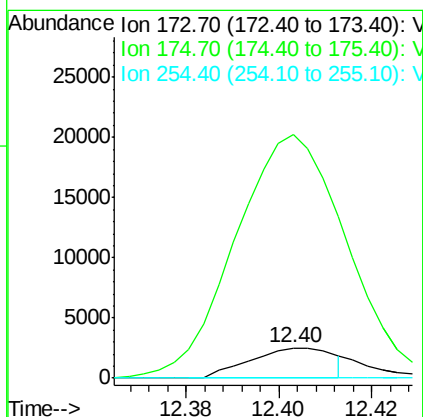
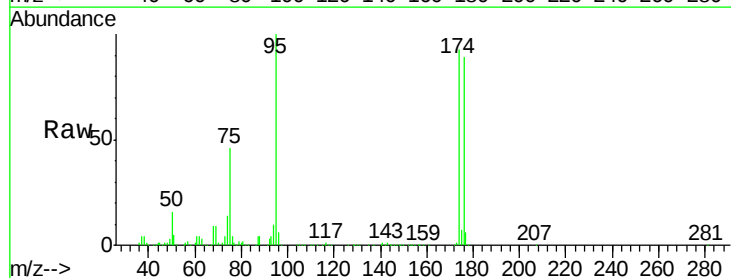
Instrument :
MSVOA_N
ClientSampleId :
PB116860ZHE#03

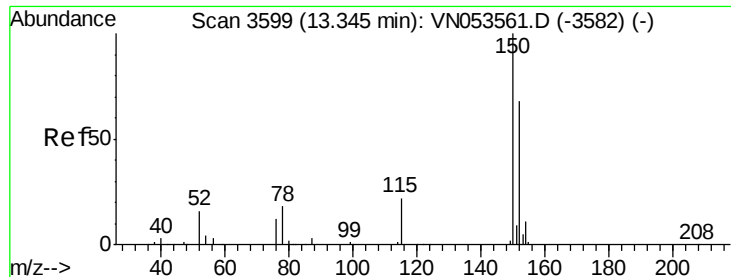
Tot Ion:117 Resp: 1155787
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 32.7 26.0 39.0



#71
Bromoform
Concen: 0.539 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053630.D
Acq: 6 Feb 2019 13:09

Tgt Ion:173 Resp: 3167
Ion Ratio Lower Upper
173 100
175 909.1 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

PB116860ZHE#03

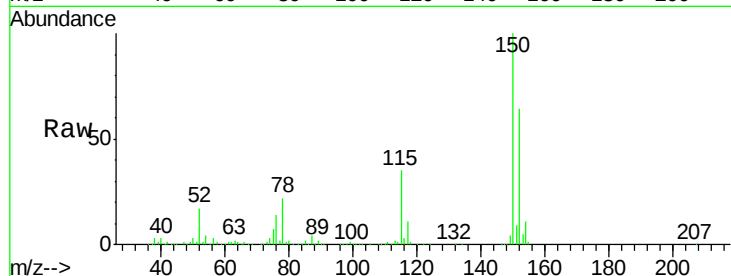
Tot Ion:152 Resp: 471073

Ion Ratio Lower Upper

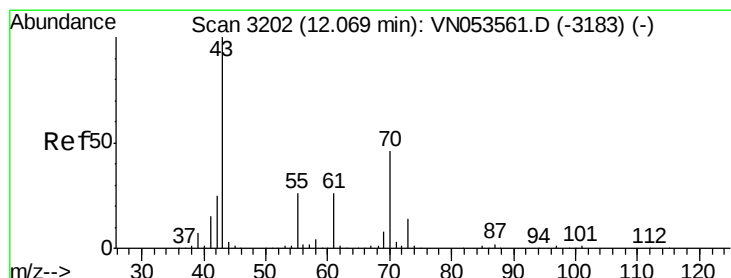
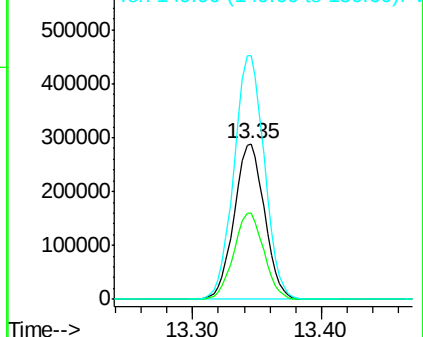
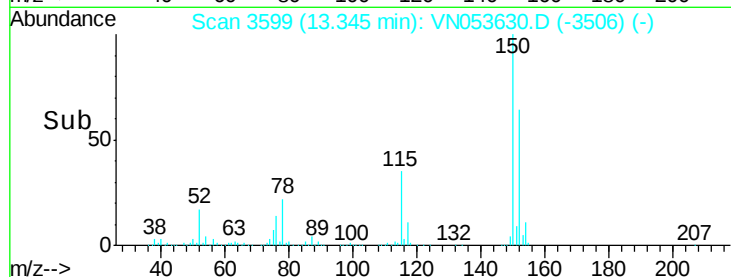
152 100

115 55.2 27.8 83.4

150 157.4 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 3.042 ug/l

RT: 11.88 min Scan# 3143

Delta R.T. -0.19 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Tgt Ion: 43 Resp: 24226

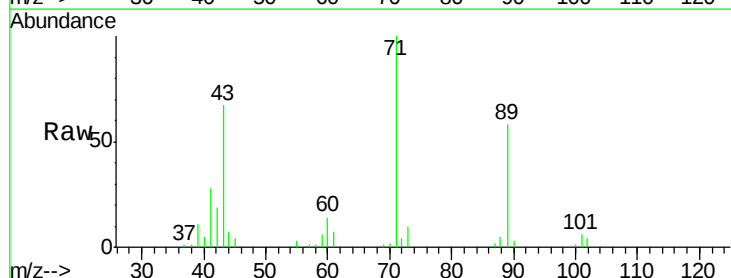
Ion Ratio Lower Upper

43 100

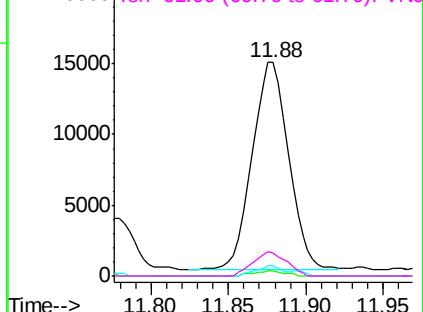
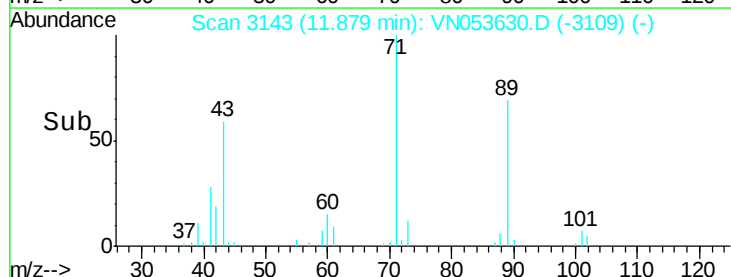
70 2.2 35.4 53.2#

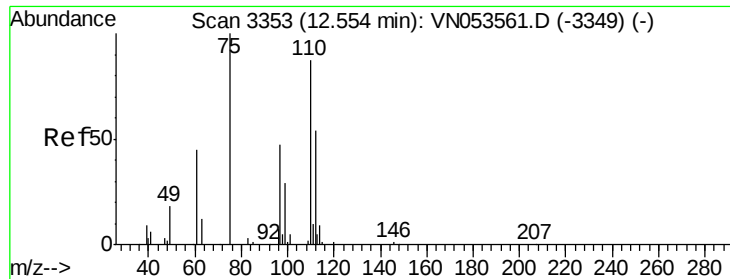
55 4.5 20.9 31.3#

61 10.5 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 38.236 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

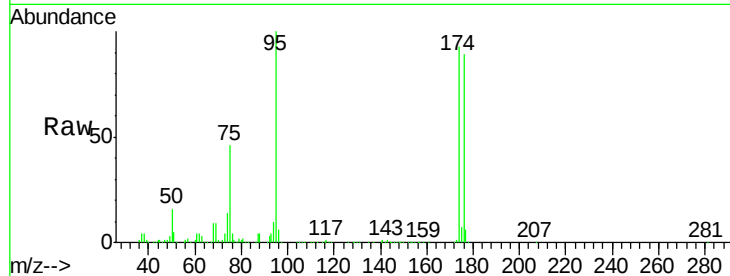
PB116860ZHE#03

Tot Ion: 75 Resp: 231352

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

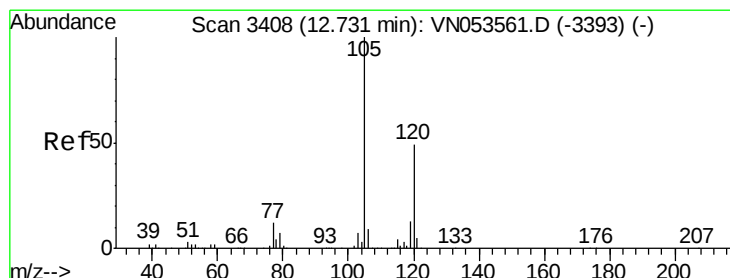
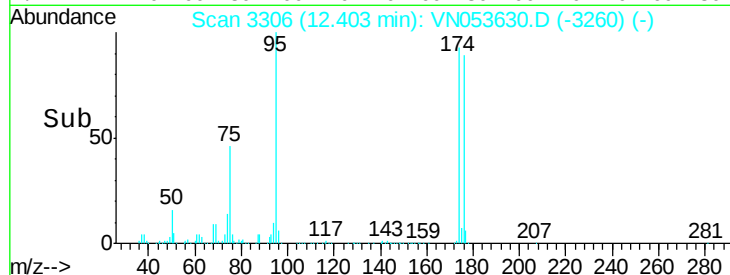
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#80

1,3,5-Trimethylbenzene

Concen: 0.308 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053630.D

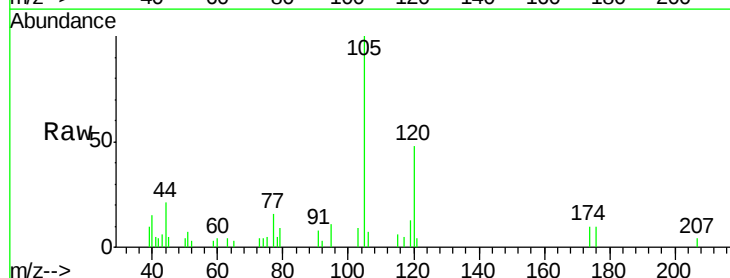
Acq: 6 Feb 2019 13:09

Tgt Ion: 105 Resp: 8459

Ion Ratio Lower Upper

105 100

120 47.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

6000

5000

4000

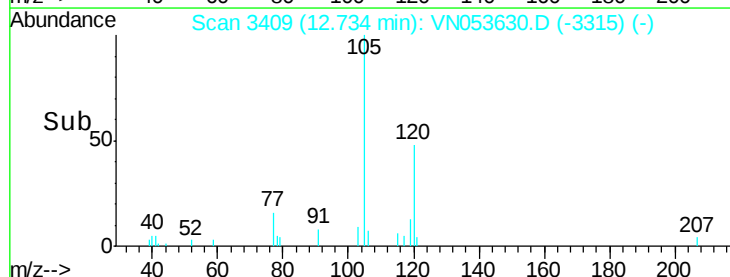
3000

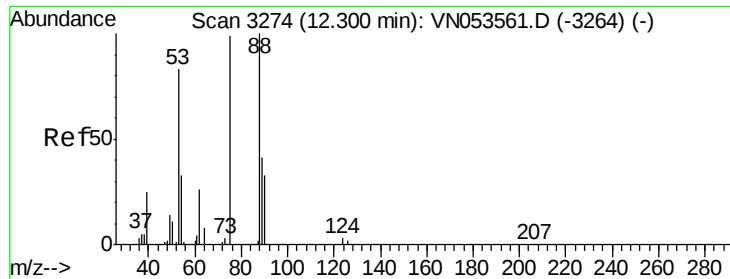
2000

1000

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 107.516 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

PB116860ZHE#03

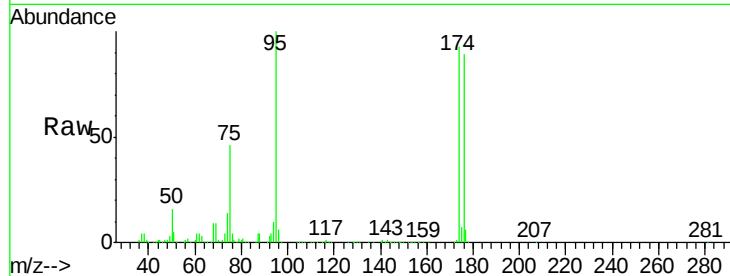
Tot Ion: 75 Resp: 231352

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

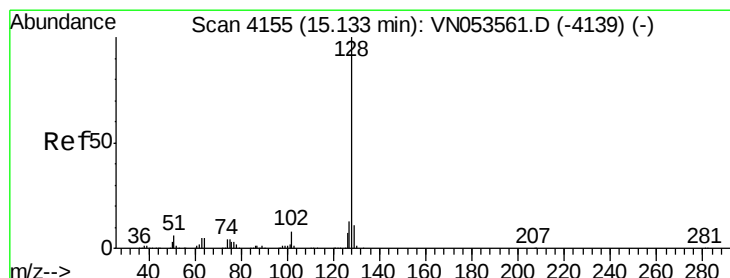
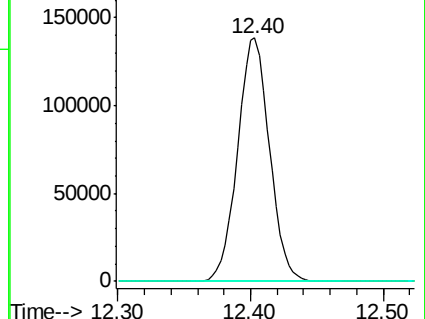
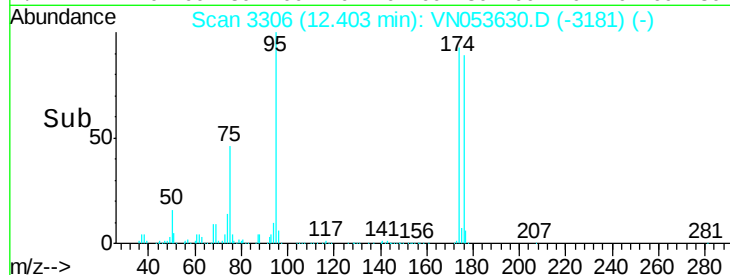
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053630.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053630.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053630.D (-3181) (-)



#95

Naphthalene

Concen: 1.757 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053630.D

Acq: 6 Feb 2019 13:09

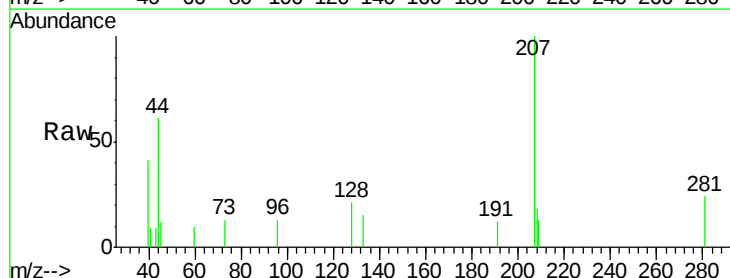
Tgt Ion: 128 Resp: 449

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN053630.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN053630.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN053630.D (-4061) (-)

