

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054656.D
 Acq On : 24 Mar 2019 18:45
 Operator : JC/SP
 Sample : K2047-17
 Misc : 5.95g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:17:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

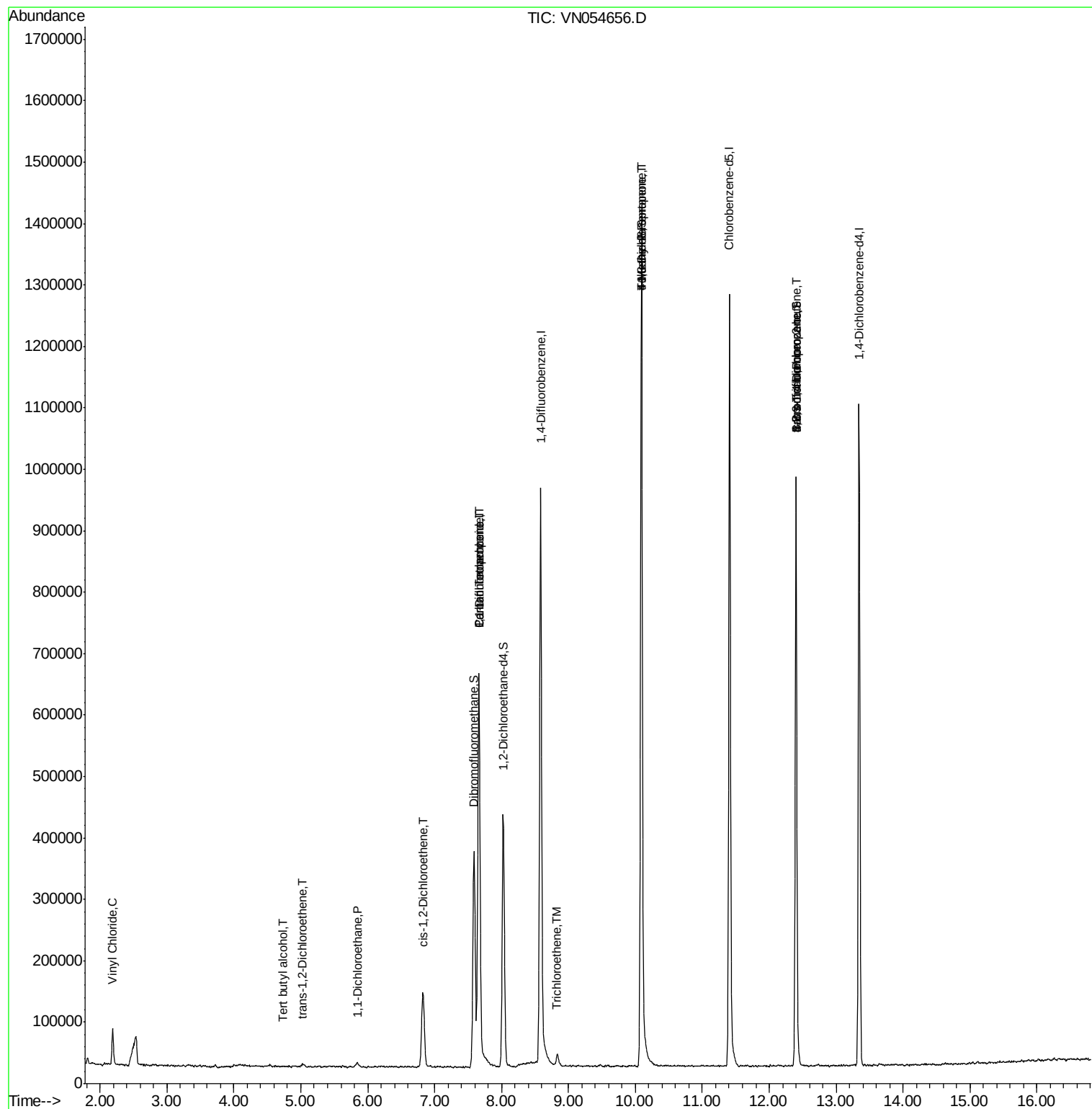
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	557125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	877778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	748235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	287934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	352233	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	7.59	113	264010	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
50) Toluene-d8	10.09	98	1061875	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	333852	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
Target Compounds				Qvalue		
4) Vinyl Chloride	2.19	62	53428	7.344	ug/l	97
11) Tert butyl alcohol	4.72	59	106	0.253	ug/l #	70
21) trans-1,2-Dichloroethene	5.02	96	2679	0.488	ug/l #	75
24) 1,1-Dichloroethane	5.84	63	9222	0.858	ug/l #	94
27) cis-1,2-Dichloroethene	6.83	96	77882	11.900	ug/l	98
31) Cyclohexane	7.66	56	11416	Below Cal	#	9
36) 1,1-Dichloropropene	7.66	75	41724	5.084	ug/l #	49
38) Carbon Tetrachloride	7.66	117	50318	6.309	ug/l #	16
44) Trichloroethene	8.83	130	7208	1.105	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	5542	1.014	ug/l #	1
53) t-1,3-Dichloropropene	10.09	75	166	2.251	ug/l #	1
71) Bromoform	12.39	173	805	2.425	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	169958	37.197	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	169958	123.270	ug/l #	11

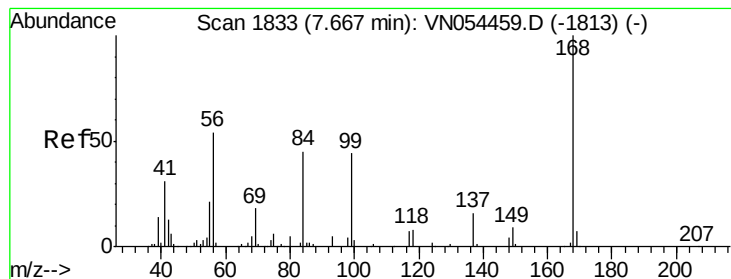
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

Instrument :

MSVOA_N

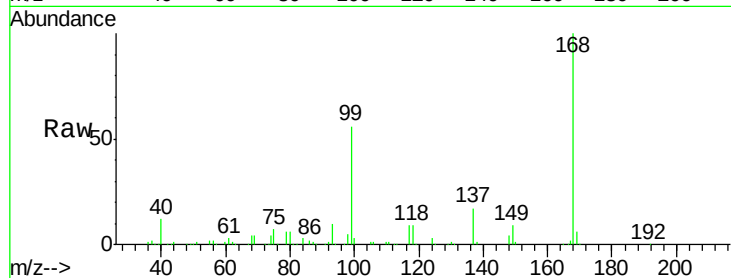
ClientSampled :

Tot Ion:168 Resp: 557125

Ion Ratio Lower Upper

168 100

99 55.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

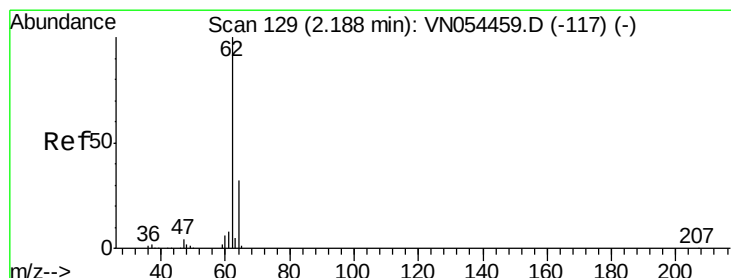
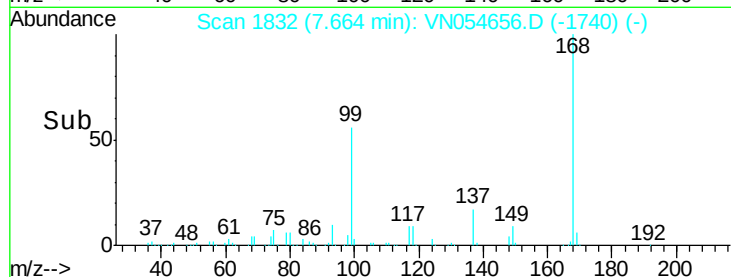
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 7.344 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054656.D

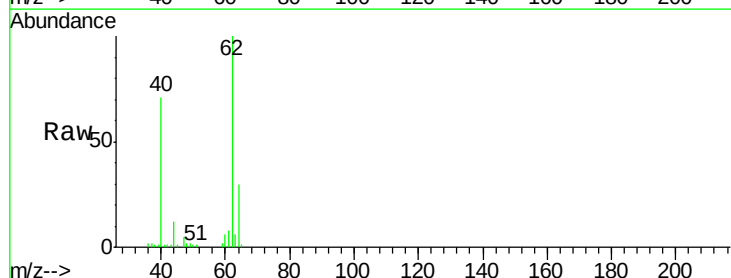
Acq: 24 Mar 2019 18:45

Tgt Ion: 62 Resp: 53428

Ion Ratio Lower Upper

62 100

64 30.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

40000

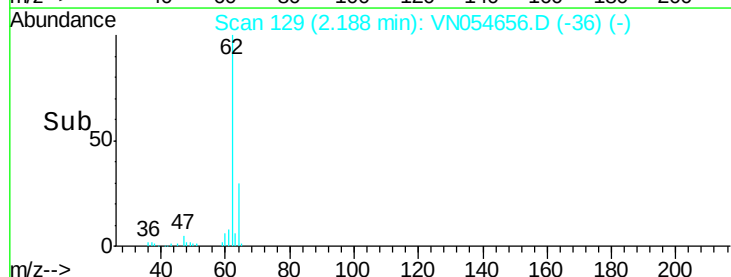
30000

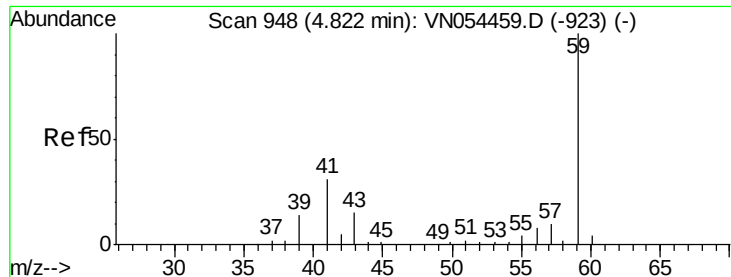
20000

10000

0

Time-->

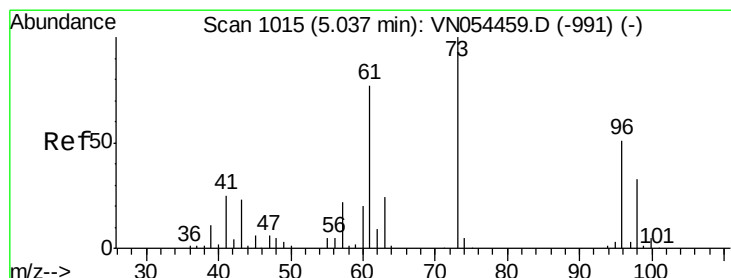
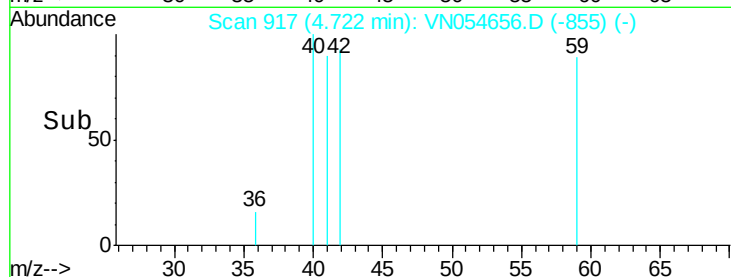
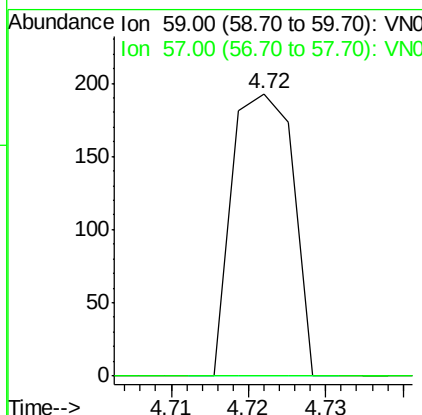
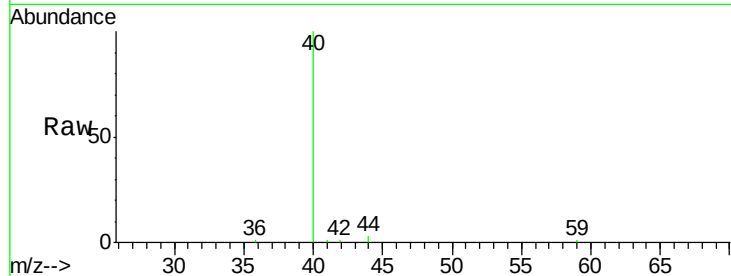




#11
Tert butyl alcohol
Concen: 0.253 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.10 min
Lab File: VN054656.D
Acq: 24 Mar 2019 18:45

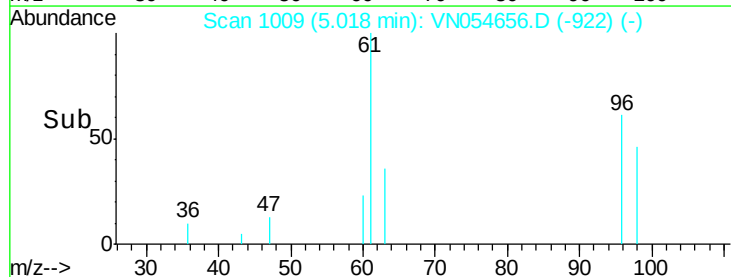
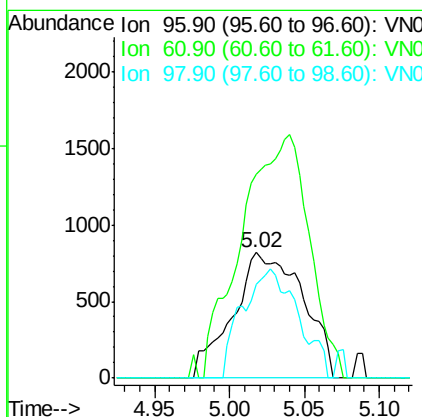
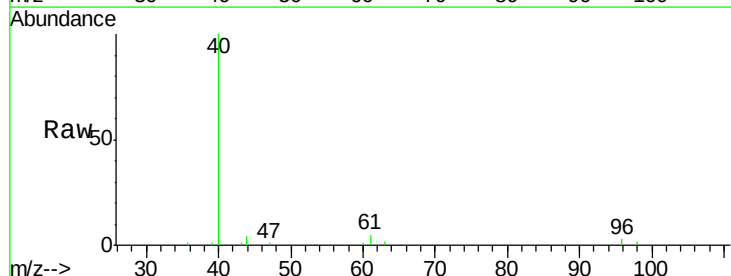
Instrument :
MSVOA_N
ClientSampleId :

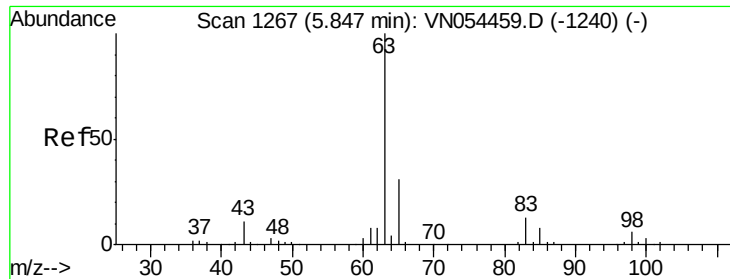
Tot Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#21
trans-1,2-Dichloroethene
Concen: 0.488 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.02 min
Lab File: VN054656.D
Acq: 24 Mar 2019 18:45

Tgt Ion: 96 Resp: 2679
Ion Ratio Lower Upper
96 100
61 162.8 102.8 154.2#
98 74.8 50.0 75.0

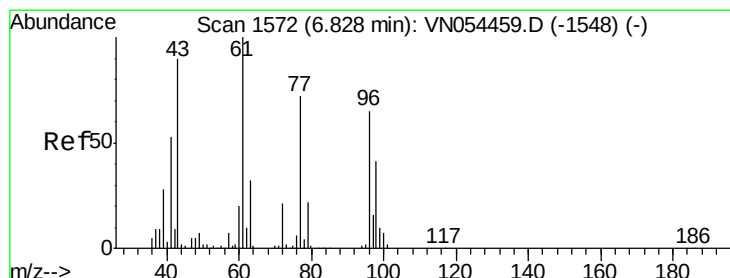
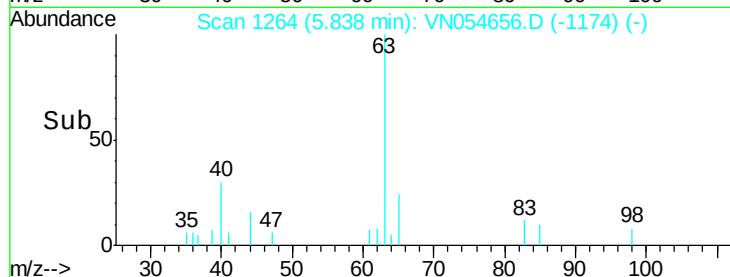
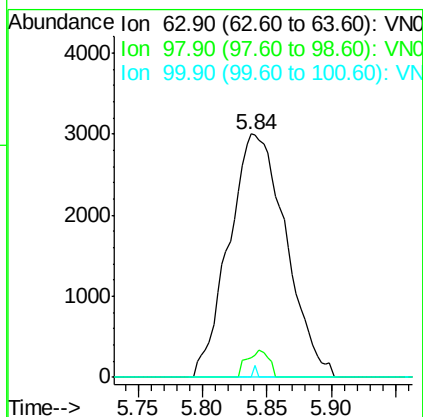
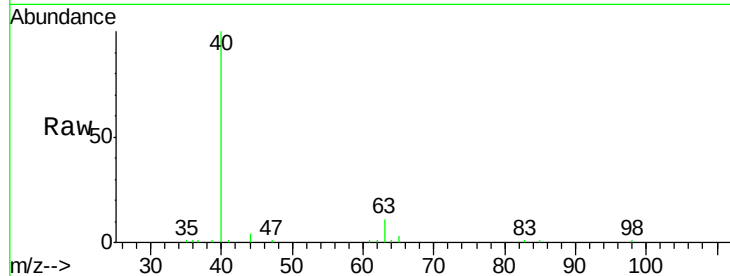




#24
 1,1-Dichloroethane
 Concen: 0.858 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VN054656.D
 Acq: 24 Mar 2019 18:45

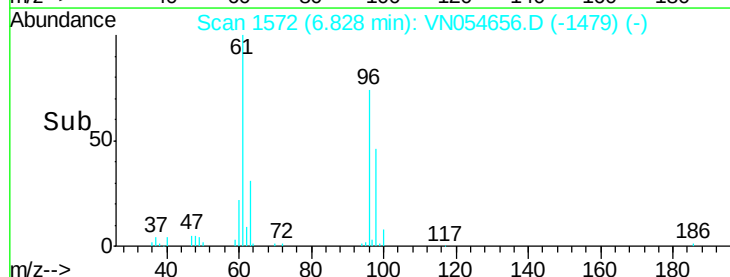
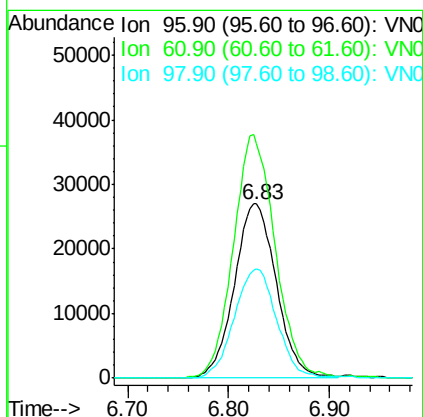
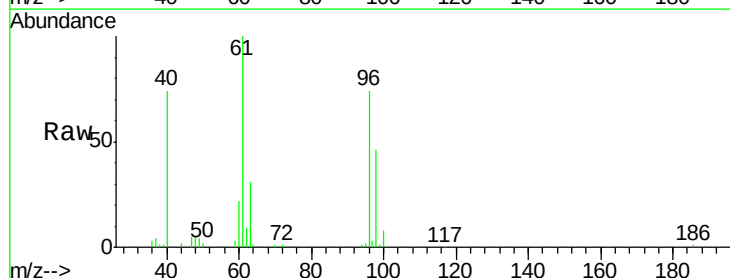
Instrument :
 MSVOA_N
 ClientSampled :

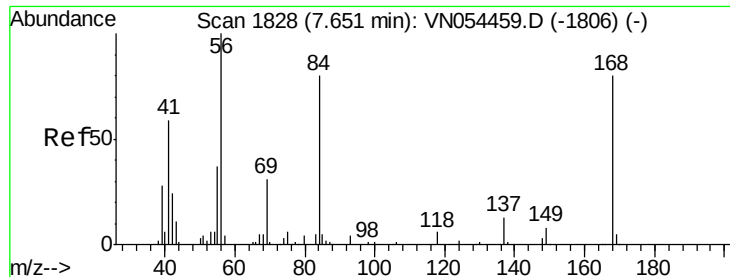
Tot Ion: 63 Resp: 9222
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.5 10.5
 100 0.0 2.0 6.0#



#27
 cis-1,2-Dichloroethene
 Concen: 11.900 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054656.D
 Acq: 24 Mar 2019 18:45

Tgt Ion: 96 Resp: 77882
 Ion Ratio Lower Upper
 96 100
 61 139.3 0.0 273.0
 98 63.3 0.0 130.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

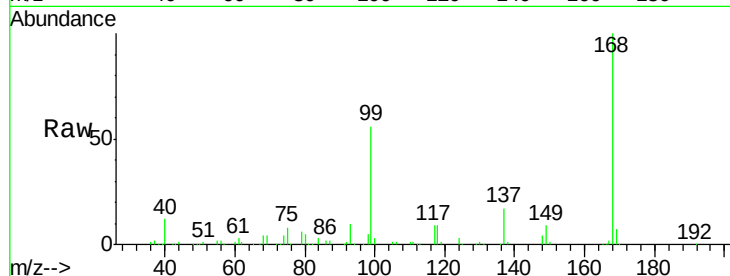
Tot Ion: 56 Resp: 11416

Ion Ratio Lower Upper

56 100

69 165.5 27.8 41.6#

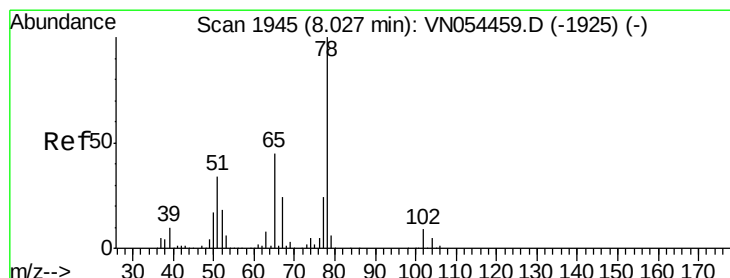
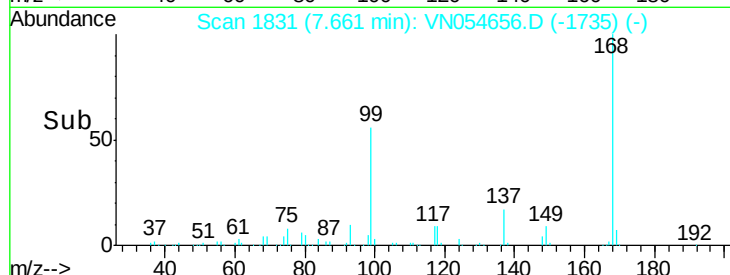
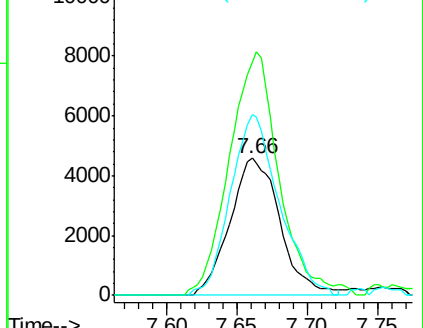
84 131.8 74.6 111.8#



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: 50.829 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054656.D

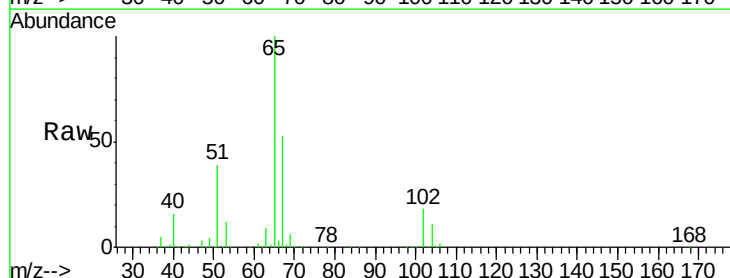
Acq: 24 Mar 2019 18:45

Tgt Ion: 65 Resp: 352233

Ion Ratio Lower Upper

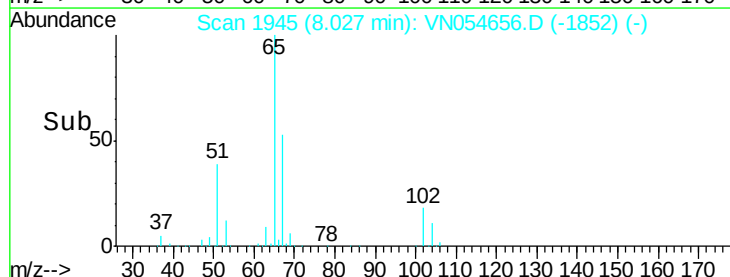
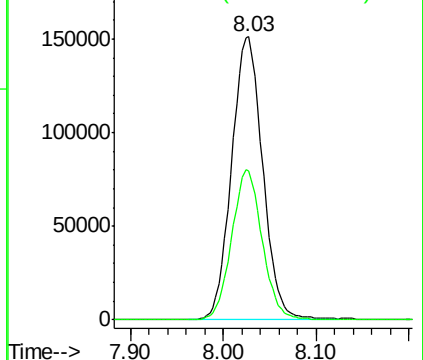
65 100

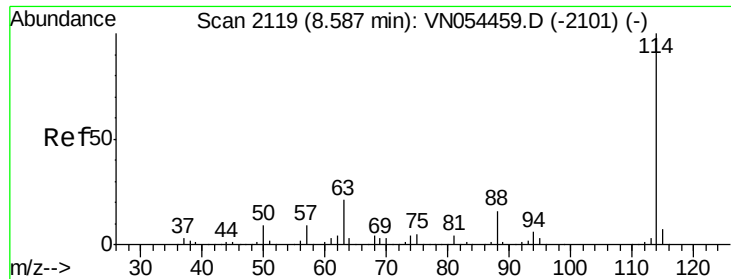
67 52.0 0.0 104.6



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: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

Instrument :
MSVOA_N
ClientSampled :

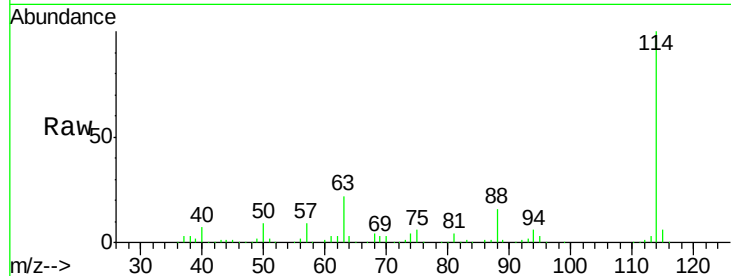
Tot Ion:114 Resp: 877778

Ion Ratio Lower Upper

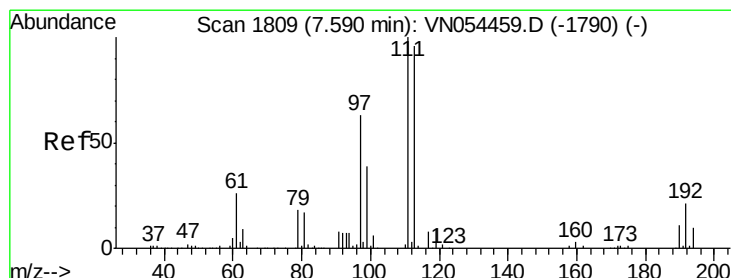
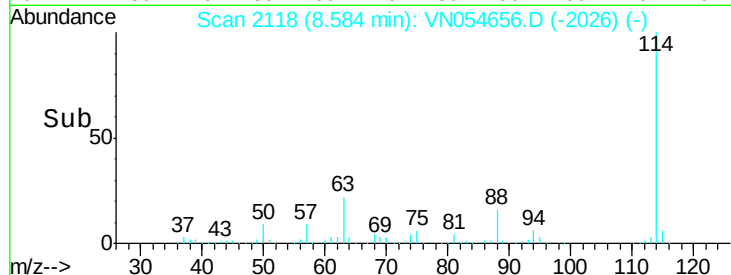
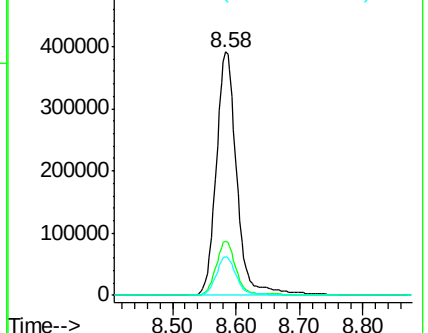
114 100

63 22.5 0.0 35.2

88 16.0 0.0 30.2



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



#35

Dibromofluoromethane

Concen: 46.686 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

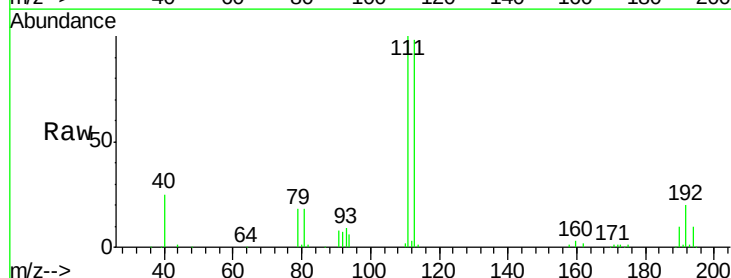
Tgt Ion:113 Resp: 264010

Ion Ratio Lower Upper

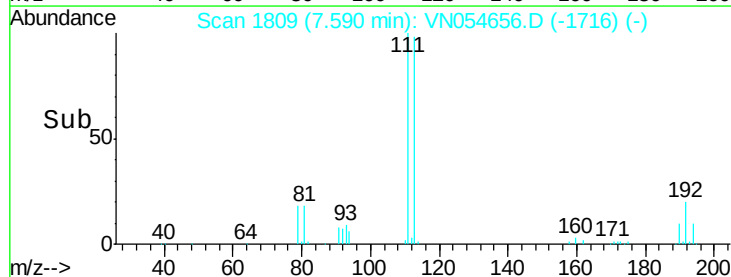
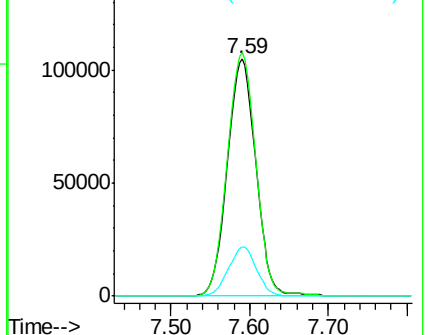
113 100

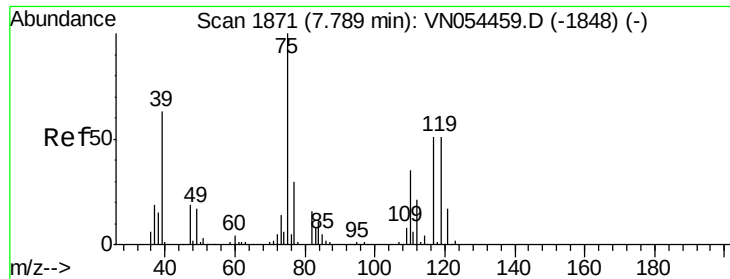
111 102.2 82.2 123.4

192 20.6 19.2 28.8



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

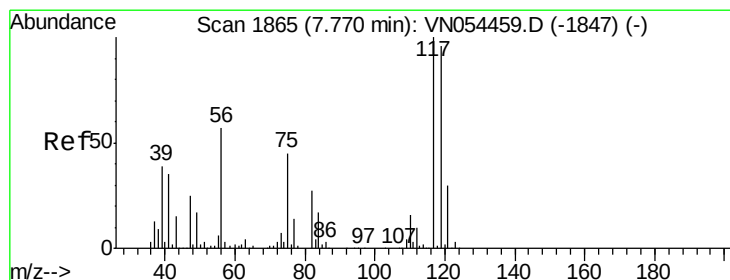
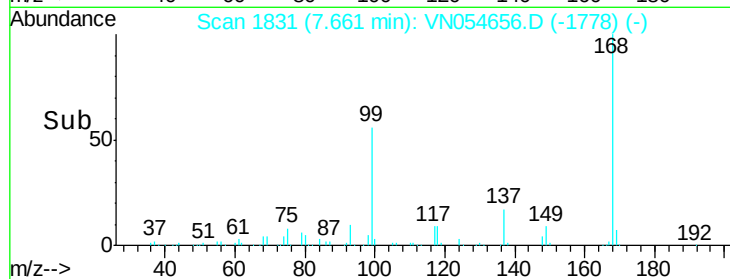
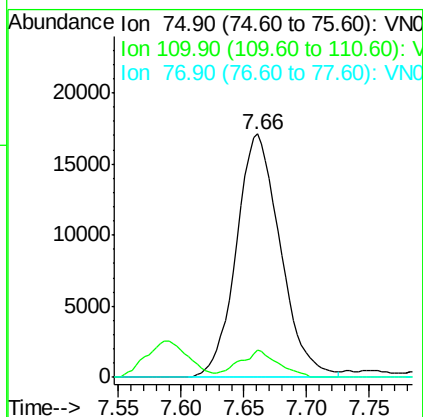
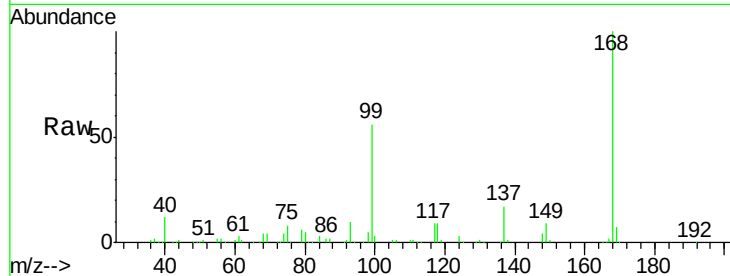




#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054656.D
 Acq: 24 Mar 2019 18:45

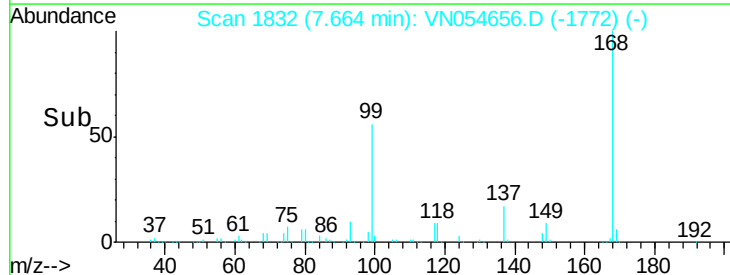
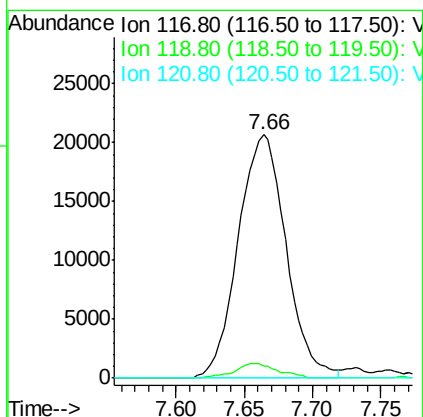
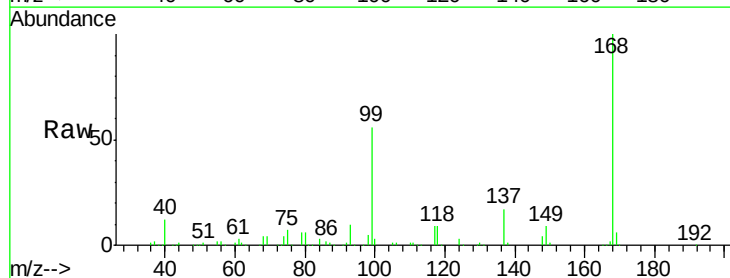
Instrument :
 MSVOA_N
 ClientSampleId :

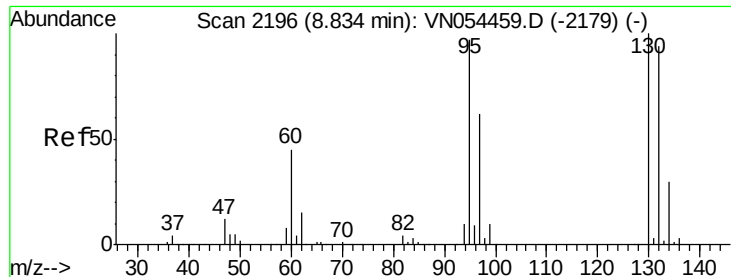
Tot Ion: 75 Resp: 41724
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.309 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054656.D
 Acq: 24 Mar 2019 18:45

Tgt Ion: 117 Resp: 50318
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.3 114.5#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 1.105 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

Instrument :

MSVOA_N

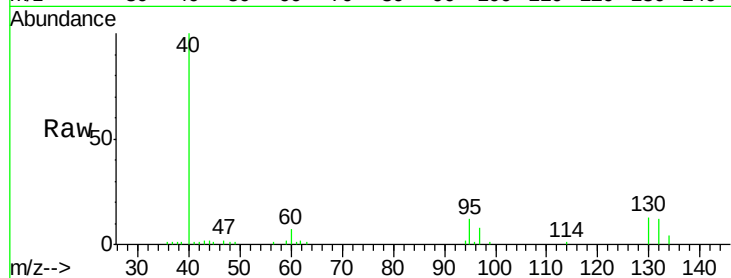
ClientSampleId :

Tot Ion:130 Resp: 7208

Ion Ratio Lower Upper

130 100

95 88.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

8.83

4000

3000

2000

1000

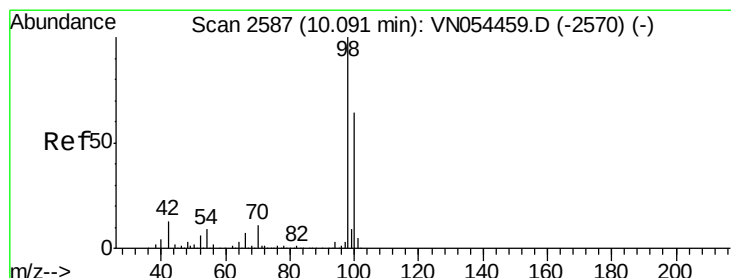
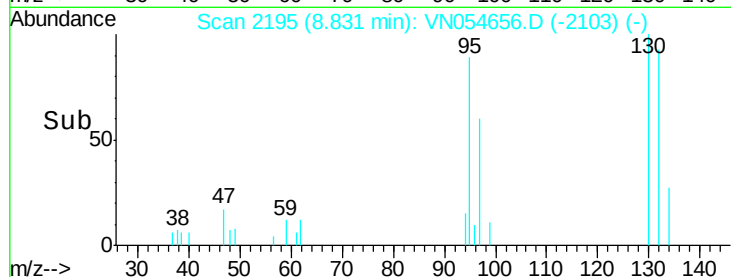
0

8.80

8.85

8.90

Time-->



#50

Toluene-d8

Concen: 49.948 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054656.D

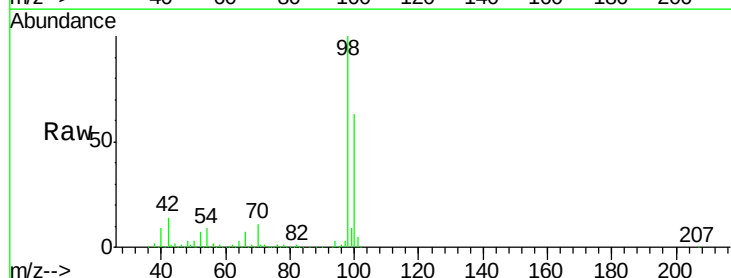
Acq: 24 Mar 2019 18:45

Tgt Ion: 98 Resp: 1061875

Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

10.09

600000

500000

400000

300000

200000

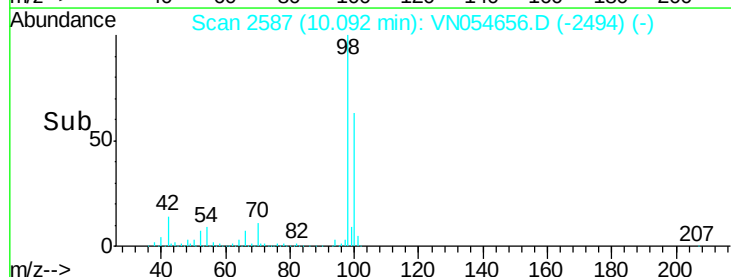
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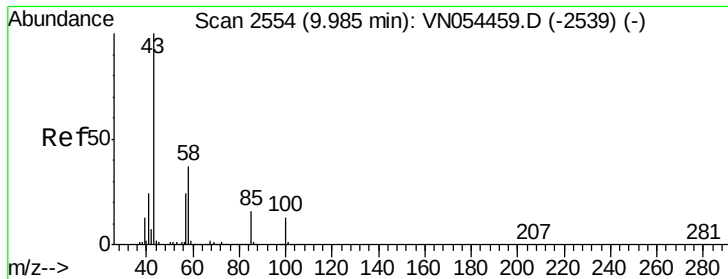
0

10.00

10.20

Time-->

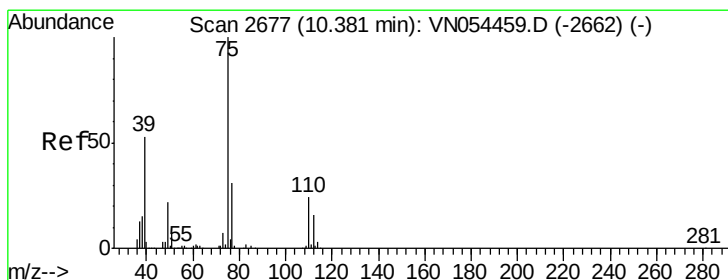
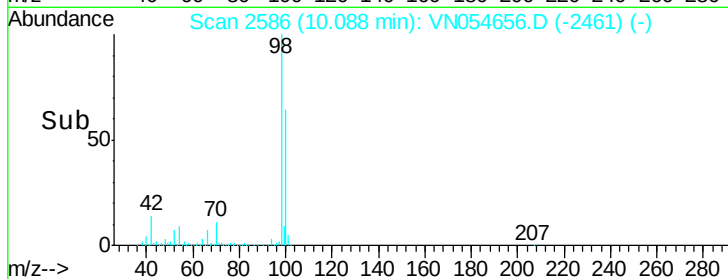
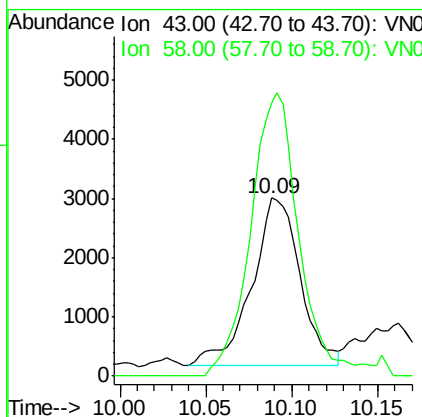
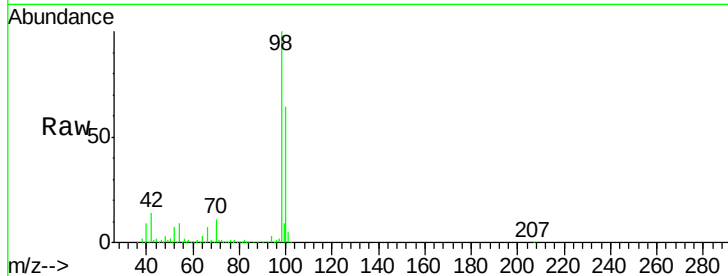




#51
 4-Methyl-2-Pentanone
 Concen: 1.014 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.10 min
 Lab File: VN054656.D
 Acq: 24 Mar 2019 18:45

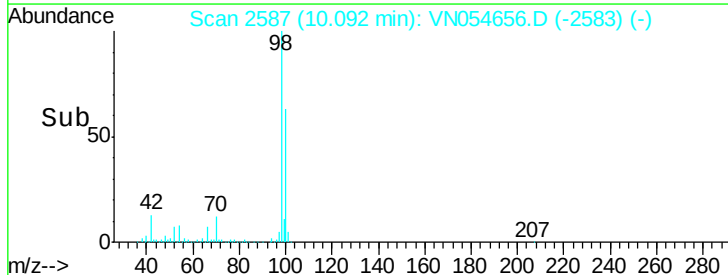
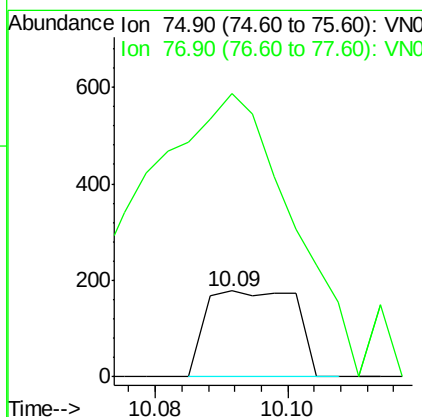
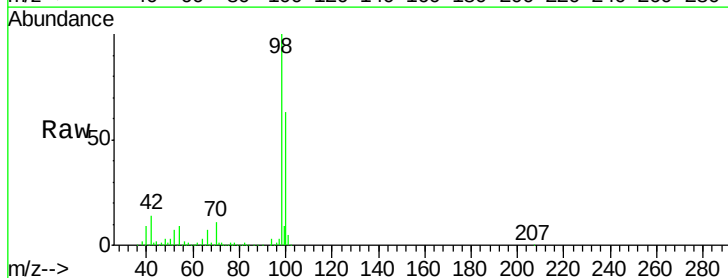
Instrument :
 MSVOA_N
 ClientSampled :

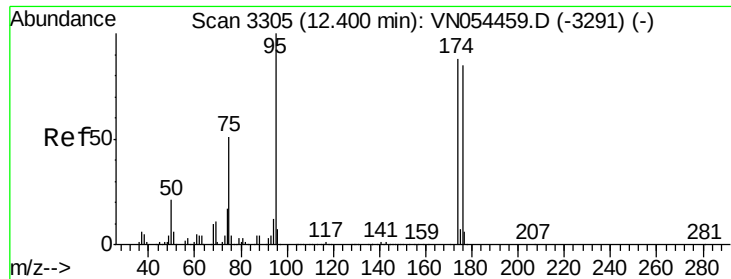
Tot Ion: 43 Resp: 5542
 Ion Ratio Lower Upper
 43 100
 58 167.1 31.8 47.6#



#53
 t-1,3-Dichloropropene
 Concen: 2.251 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.29 min
 Lab File: VN054656.D
 Acq: 24 Mar 2019 18:45

Tgt Ion: 75 Resp: 166
 Ion Ratio Lower Upper
 75 100
 77 242.7 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 46.149 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

Instrument :

MSVOA_N

ClientSampled :

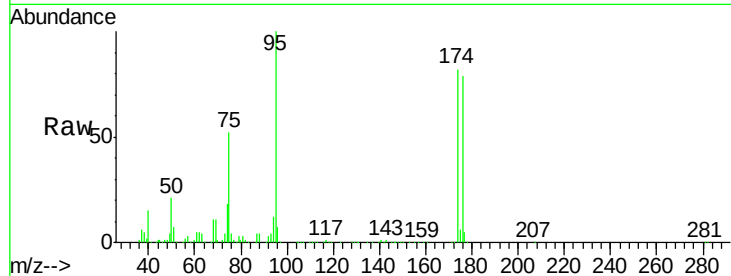
Tot Ion: 95 Resp: 333852

Ion Ratio Lower Upper

95 100

174 83.3 0.0 191.0

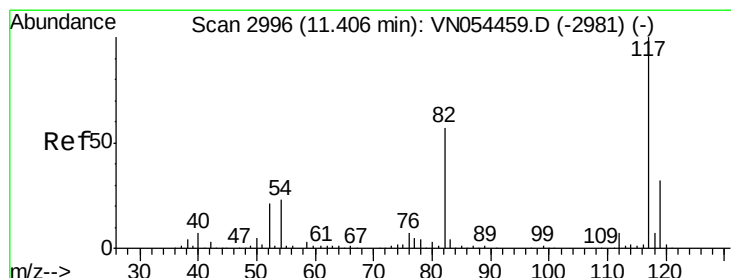
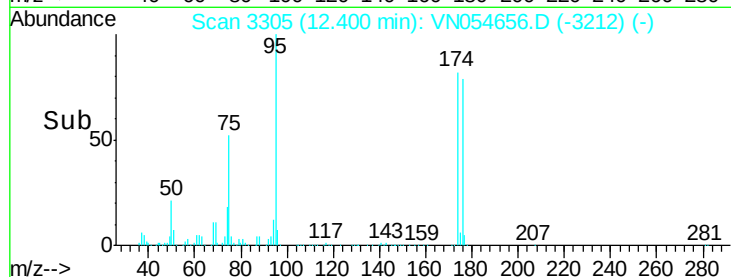
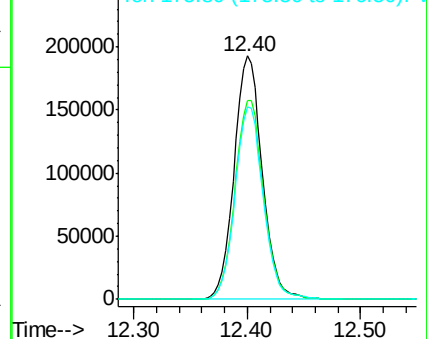
176 79.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

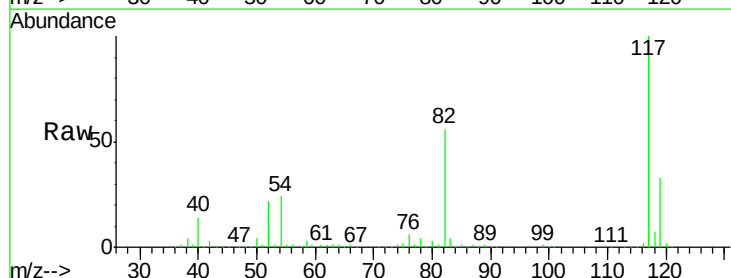
Tgt Ion: 117 Resp: 748235

Ion Ratio Lower Upper

117 100

82 55.7 40.0 60.0

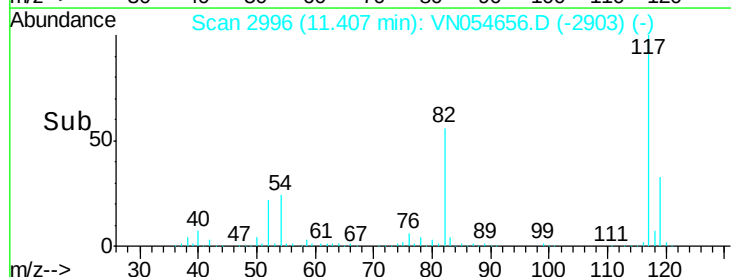
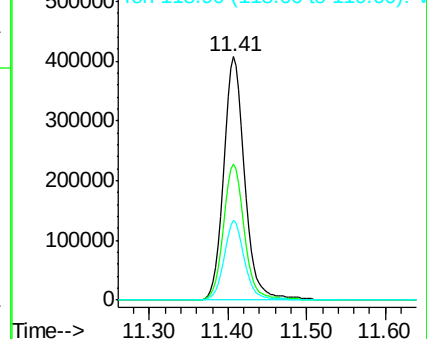
119 32.6 25.8 38.6

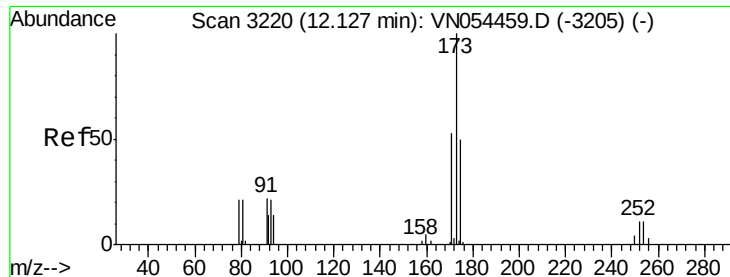


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)





#71

Bromoform

Concen: 2.425 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

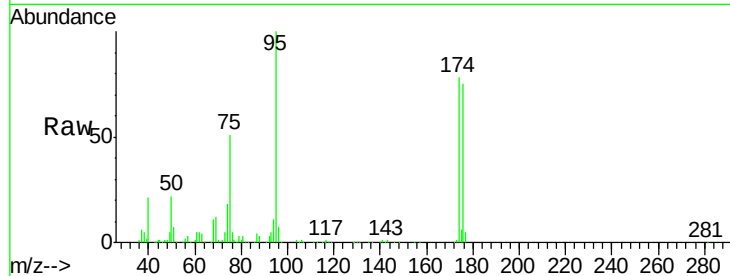
Tot Ion:173 Resp: 805

Ion Ratio Lower Upper

173 100

175 2269.1 24.4 73.2#

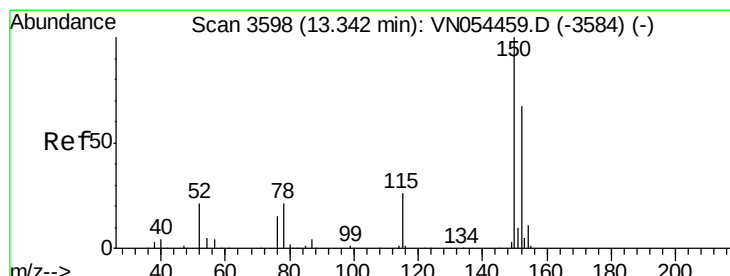
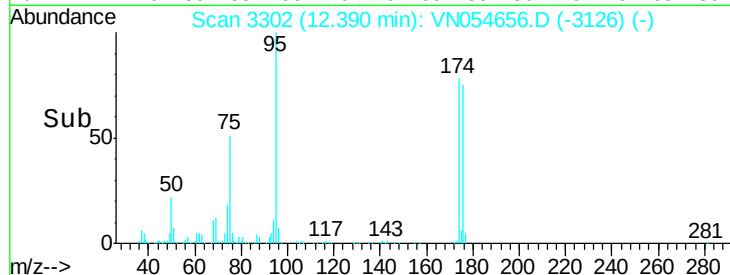
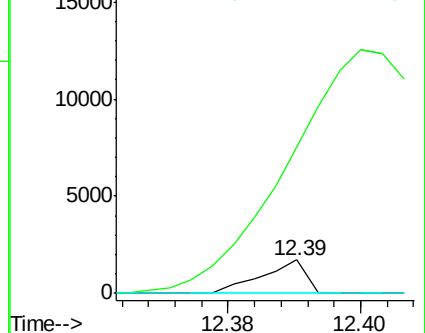
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

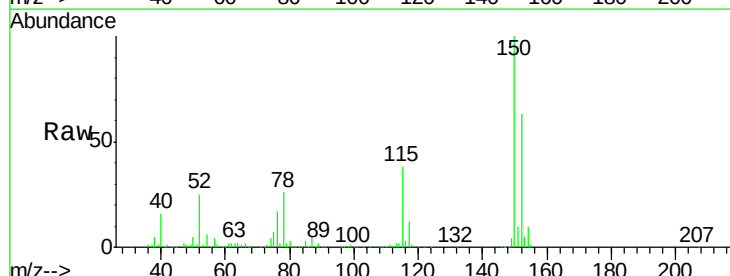
Tgt Ion:152 Resp: 287934

Ion Ratio Lower Upper

152 100

115 59.4 27.2 81.6

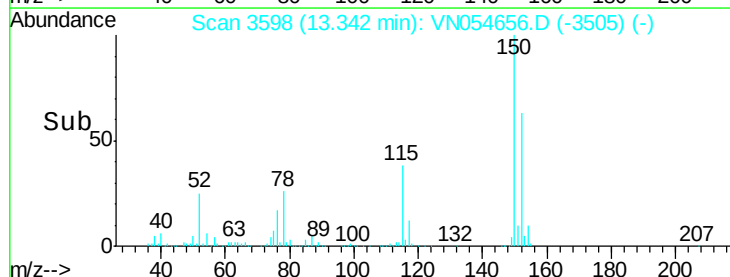
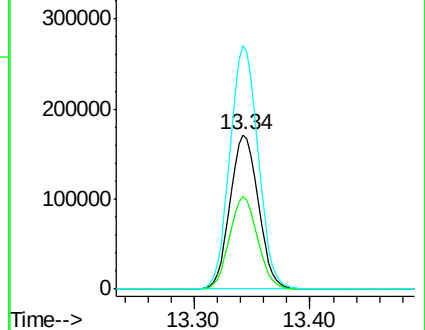
150 157.5 0.0 349.2

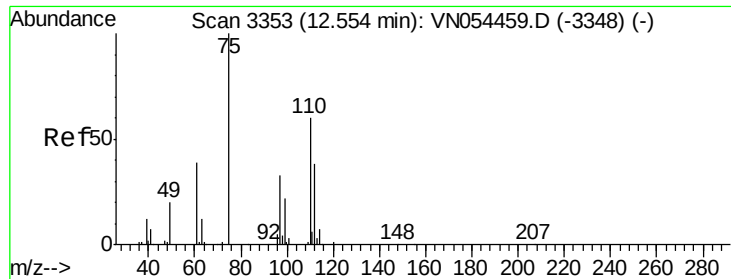


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.197 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

Instrument :

MSVOA_N

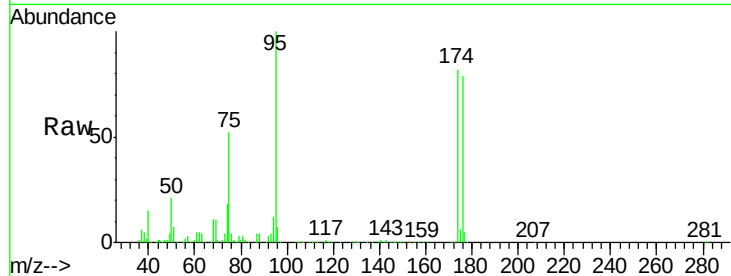
ClientSampled :

Tot Ion: 75 Resp: 169958

Ion Ratio Lower Upper

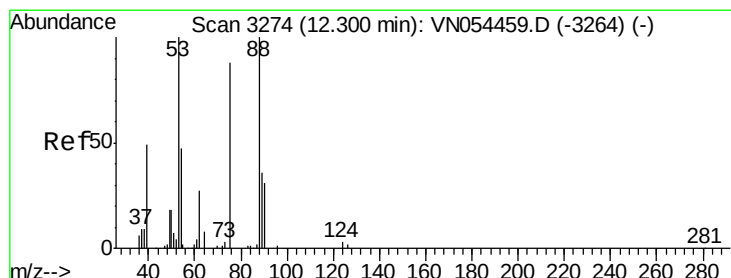
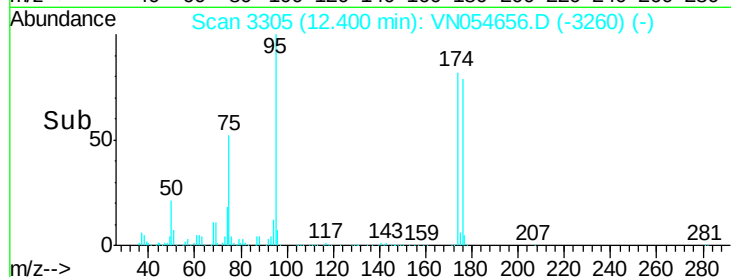
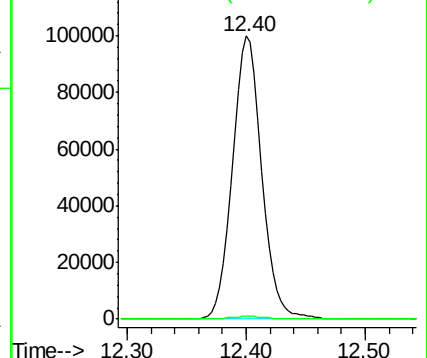
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 123.270 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054656.D

Acq: 24 Mar 2019 18:45

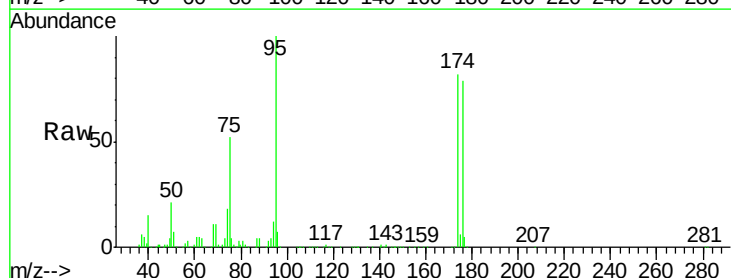
Tgt Ion: 75 Resp: 169958

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

