

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056263.D
 Acq On : 12 Jun 2019 21:00
 Operator : JC/SP
 Sample : K3315-09DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D1-20190610DL

Quant Time: Jun 13 04:36:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

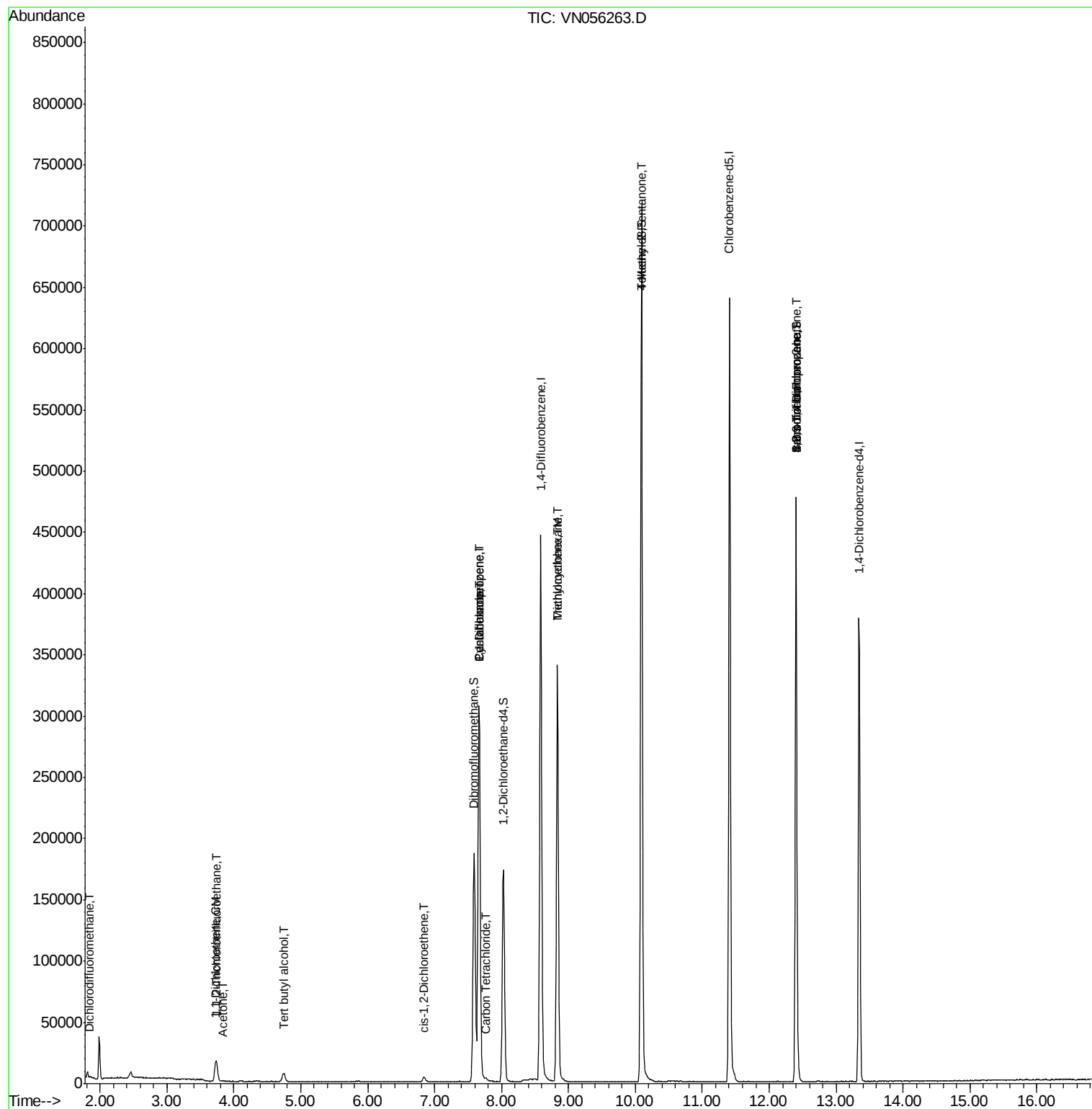
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	298372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	441939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	424219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	123141	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	149368	50.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.84%	
35) Dibromofluoromethane	7.59	113	141611	52.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.46%	
50) Toluene-d8	10.09	98	550780	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.40	95	162037	45.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	304	0.447	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	3.74	101	9140	3.633	ug/l	98
11) Tert butyl alcohol	4.75	59	6642	12.883	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	3389	1.353	ug/l	95
16) Acetone	3.82	43	1056	0.745	ug/l #	41
18) Methyl Acetate	4.34	43	1551	Below Cal	#	59
27) cis-1,2-Dichloroethene	6.83	96	1288	0.408	ug/l	80
31) Cyclohexane	7.67	56	3850	0.819	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16538	4.352	ug/l #	47
38) Carbon Tetrachloride	7.77	117	1405	0.401	ug/l #	80
39) Methylcyclohexane	8.83	83	1500	0.317	ug/l #	1
44) Trichloroethene	8.83	130	141472	42.657	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	2167	0.632	ug/l #	1
71) Bromoform	12.40	173	1242	3.222	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	75226	33.200	ug/l #	100
79) 2-Chlorotoluene	12.40	91	323	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	75226	110.562	ug/l #	15

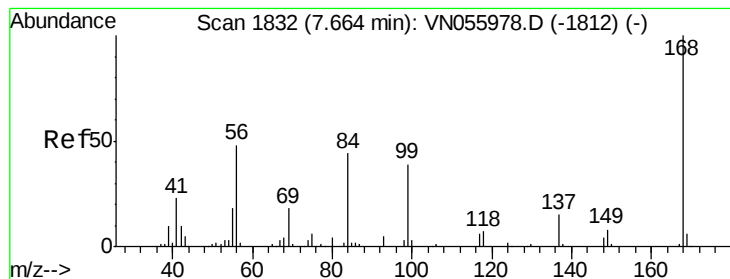
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056263.D

Acq: 12 Jun 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

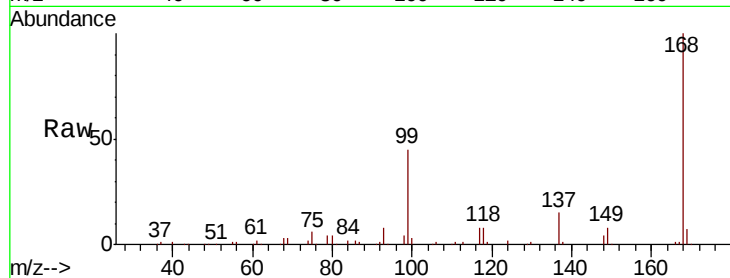
TT101D1-20190610DL

Tot Ion:168 Resp: 298372

Ion Ratio Lower Upper

168 100

99 44.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

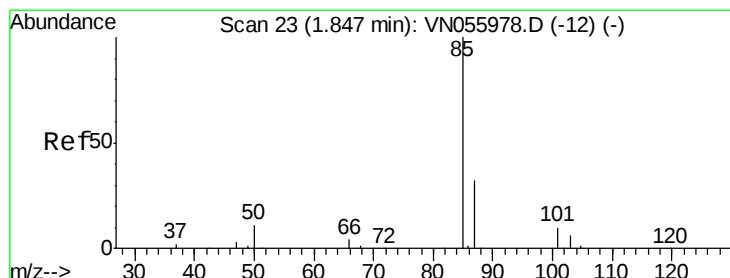
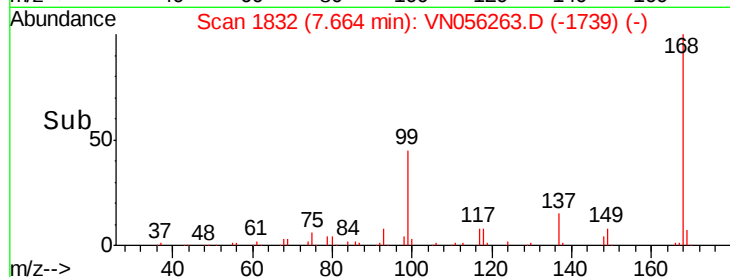
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 0.447 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056263.D

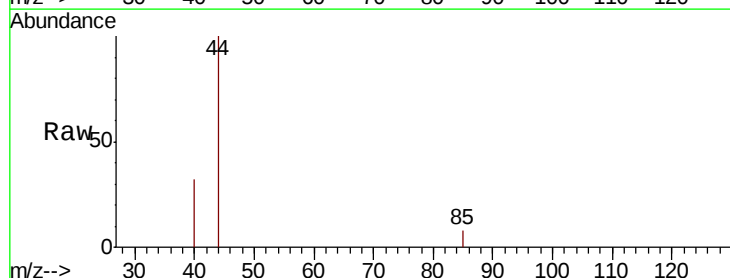
Acq: 12 Jun 2019 21:00

Tgt Ion: 85 Resp: 304

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400

300

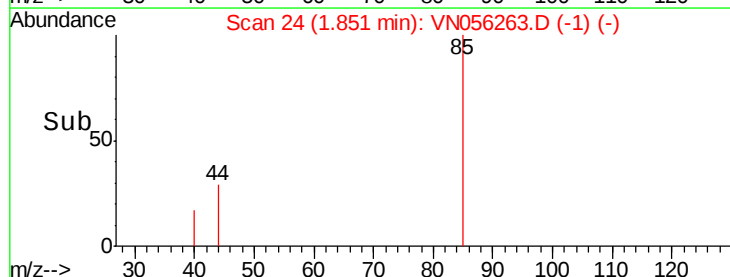
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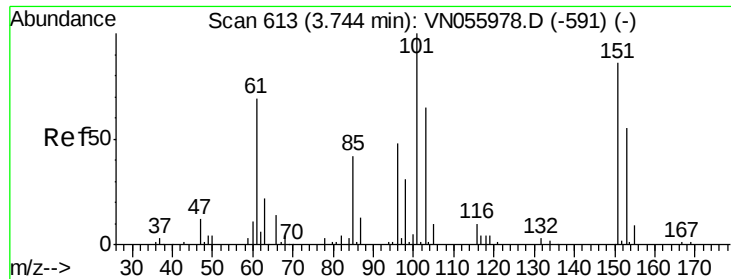
100

0

Time-->

1.84 1.86

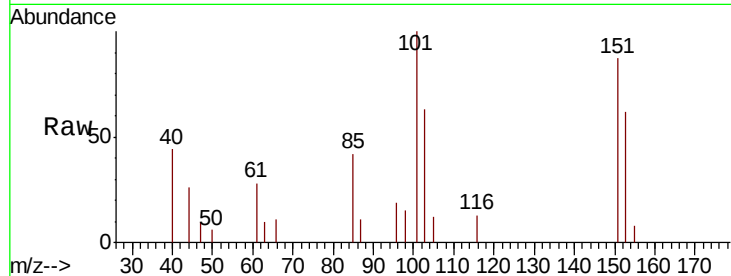




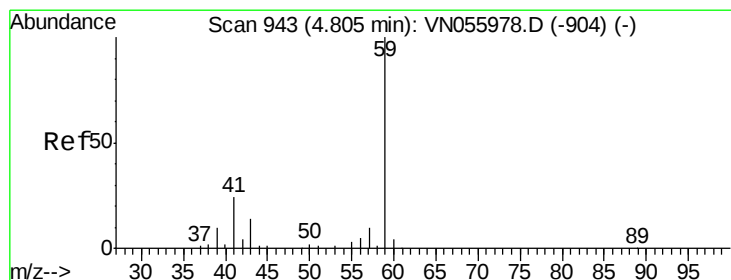
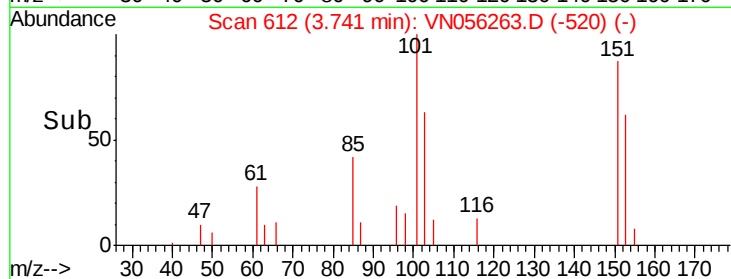
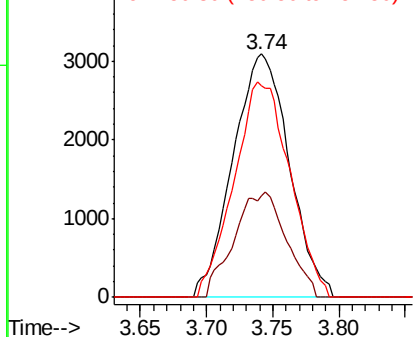
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 3.633 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN056263.D
 Acq: 12 Jun 2019 21:00

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D1-20190610DL

Tot Ion:101 Resp: 9140
 Ion Ratio Lower Upper
 101 100
 85 40.3 33.4 50.2
 151 88.0 69.4 104.2

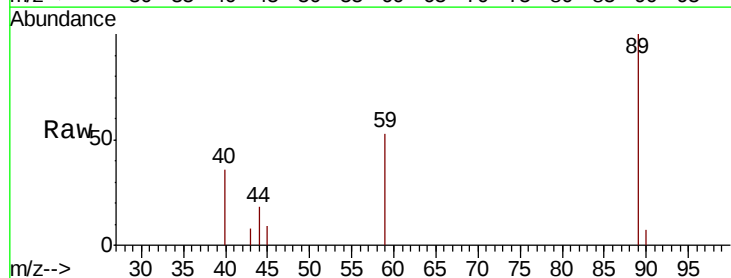


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 150.80 (150.50 to 151.50): V

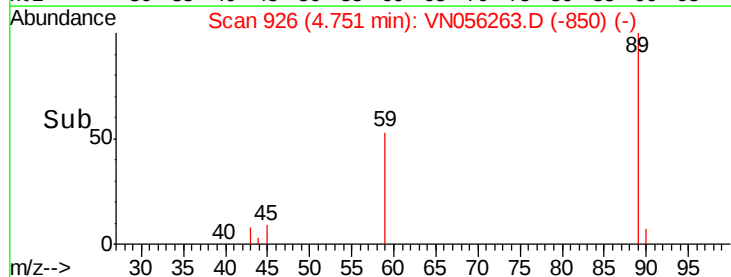
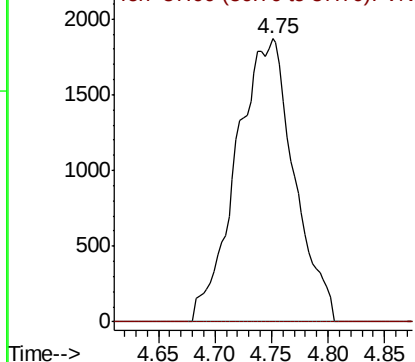


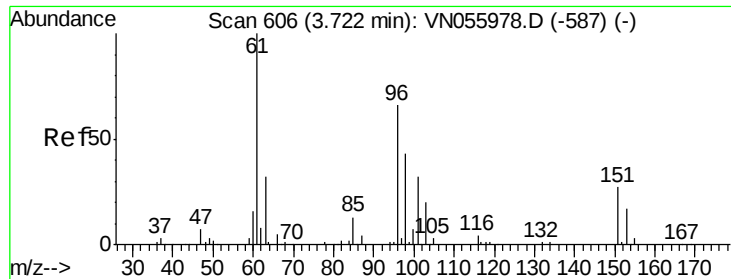
#11
 Tert butyl alcohol
 Concen: 12.883 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.05 min
 Lab File: VN056263.D
 Acq: 12 Jun 2019 21:00

Tgt Ion: 59 Resp: 6642
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO
 Ion 57.00 (56.70 to 57.70): VNO

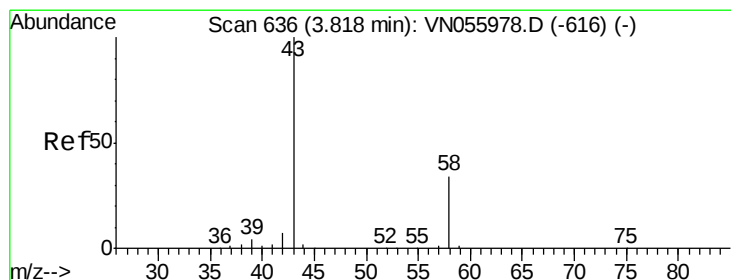
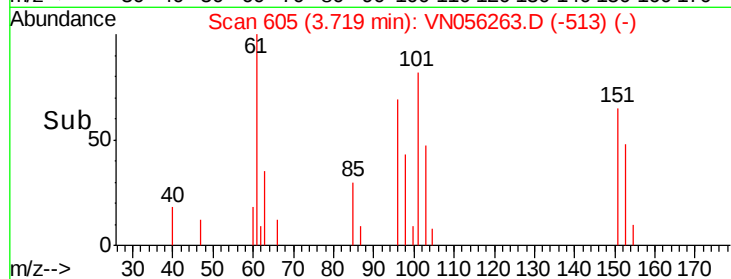
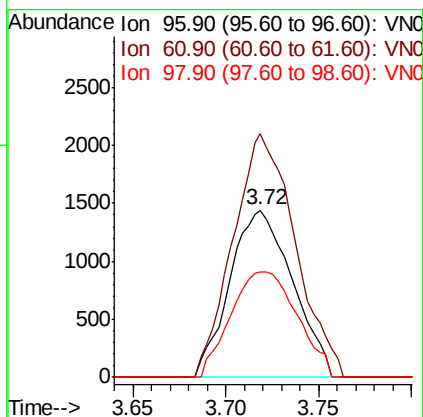
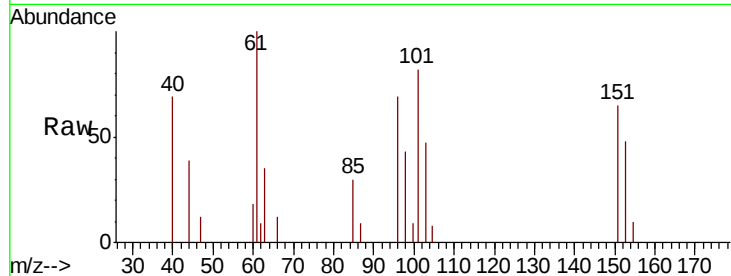




#12
 1,1-Dichloroethene
 Concen: 1.353 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056263.D
 Acq: 12 Jun 2019 21:00

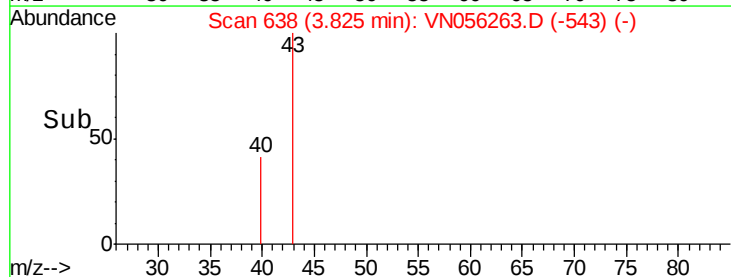
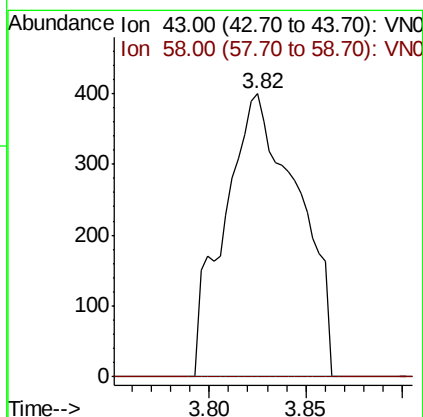
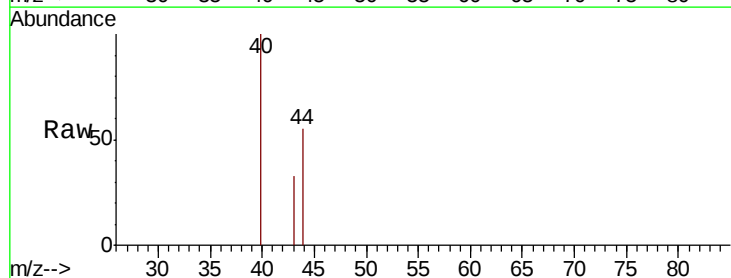
Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D1-20190610DL

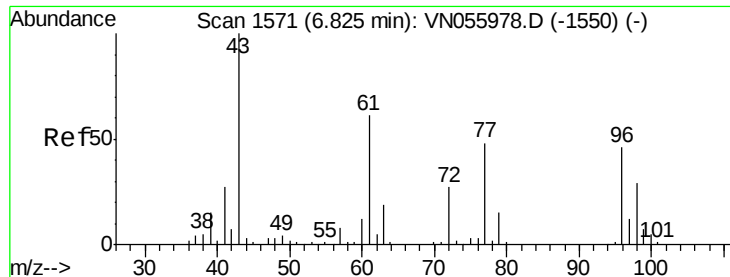
Tot Ion: 96 Resp: 3389
 Ion Ratio Lower Upper
 96 100
 61 145.9 123.2 184.8
 98 63.4 50.4 75.6



#16
 Acetone
 Concen: 0.745 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN056263.D
 Acq: 12 Jun 2019 21:00

Tgt Ion: 43 Resp: 1056
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 39.8#





#27

cis-1,2-Dichloroethene

Concen: 0.408 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056263.D

Acq: 12 Jun 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

TT101D1-20190610DL

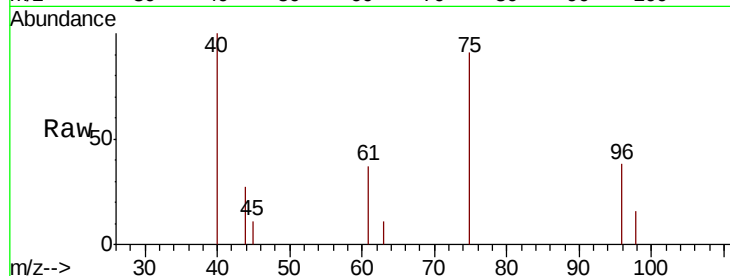
Tot Ion: 96 Resp: 1288

Ion Ratio Lower Upper

96 100

61 130.7 0.0 275.8

98 26.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

6.83

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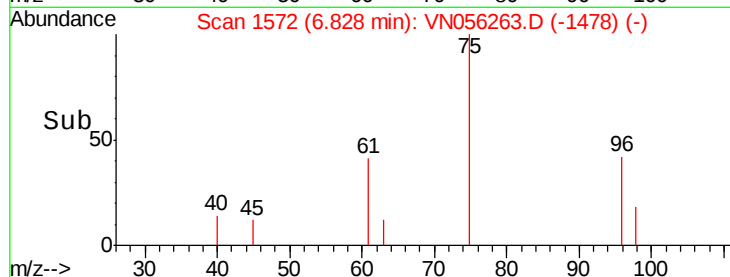
6.83

6.83

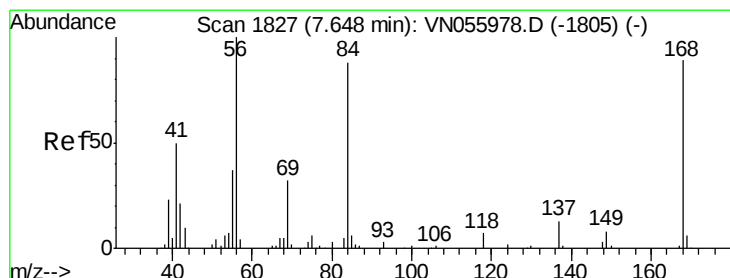
6.83

6.83

6.83



Time-->



#31

Cyclohexane

Concen: 0.819 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN056263.D

Acq: 12 Jun 2019 21:00

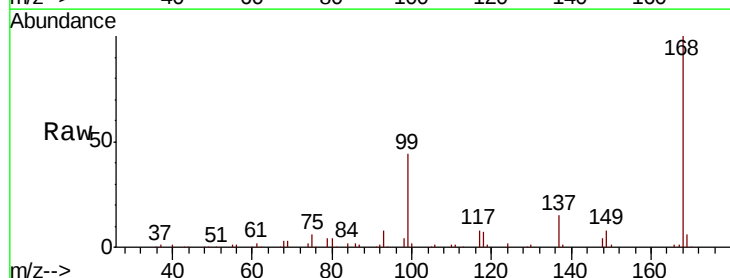
Tgt Ion: 56 Resp: 3850

Ion Ratio Lower Upper

56 100

69 188.8 25.6 38.4#

84 157.4 67.4 101.0#



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

7.67

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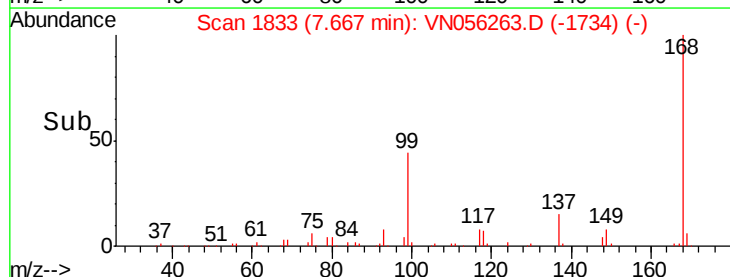
7.67

7.67

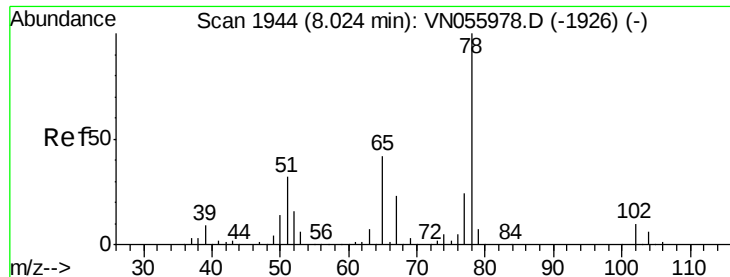
7.67

7.67

7.67



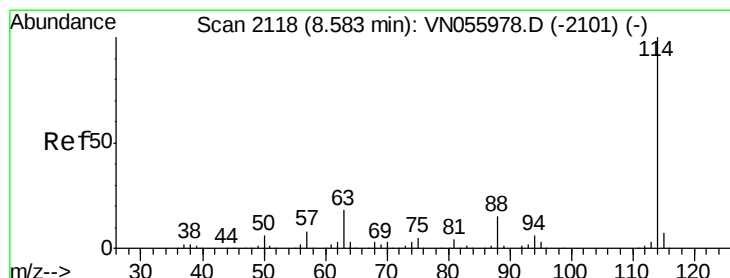
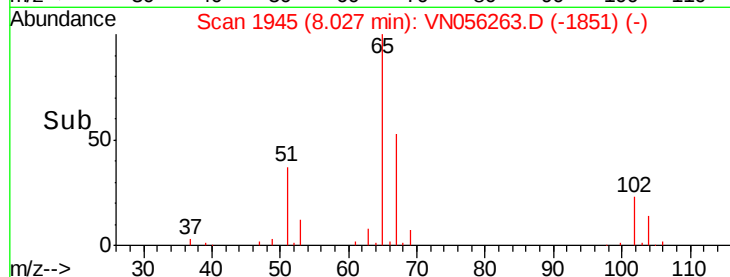
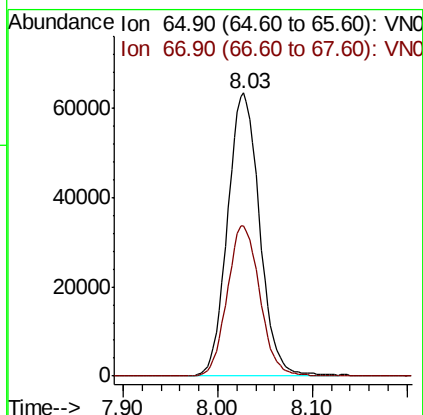
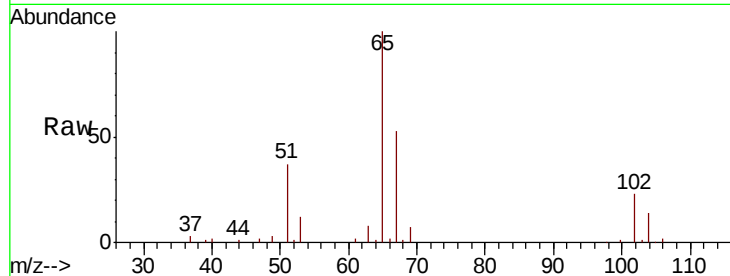
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 50.418 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056263.D
 Acq: 12 Jun 2019 21:00

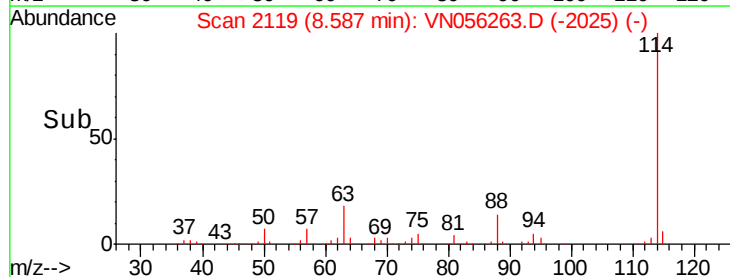
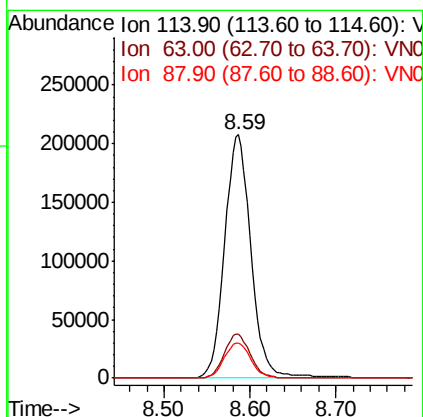
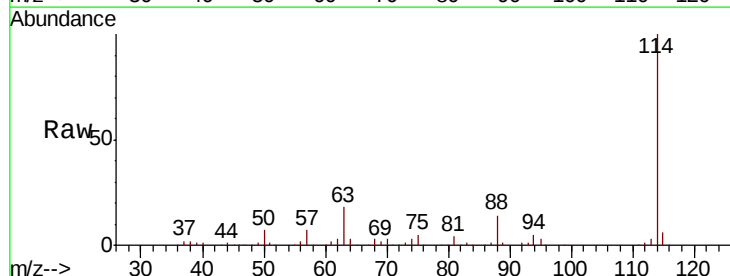
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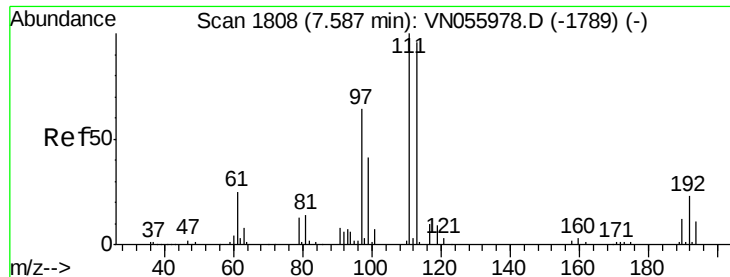
Tot Ion: 65 Resp: 149368
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056263.D
 Acq: 12 Jun 2019 21:00

Tgt Ion: 114 Resp: 441939
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.2
 88 14.3 0.0 31.0

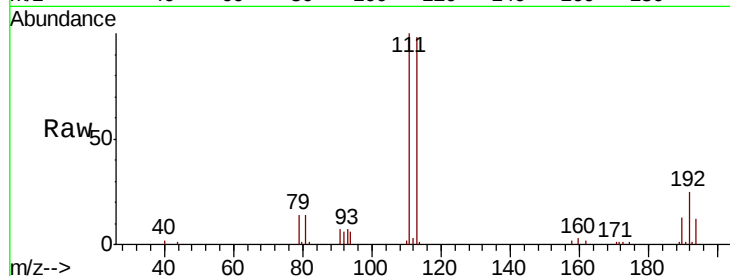




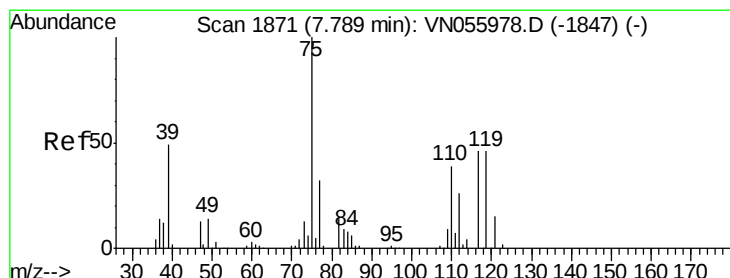
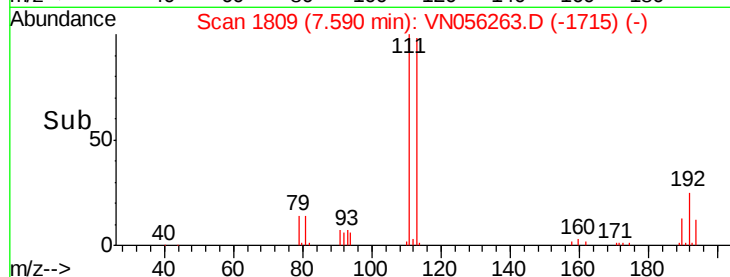
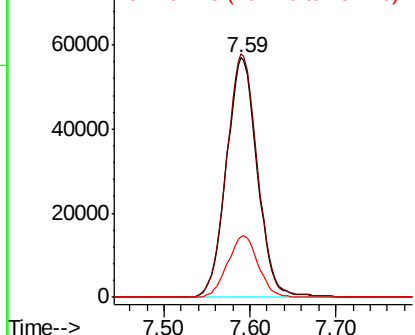
#35
 Dibromofluoromethane
 Concen: 52.227 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056263.D
 Acq: 12 Jun 2019 21:00

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D1-20190610DL

Tot Ion:113 Resp: 141611
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 25.4 19.5 29.3

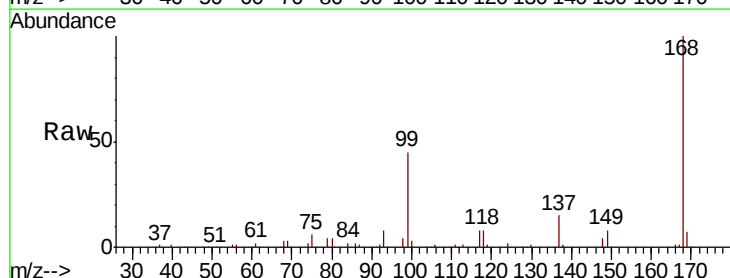


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

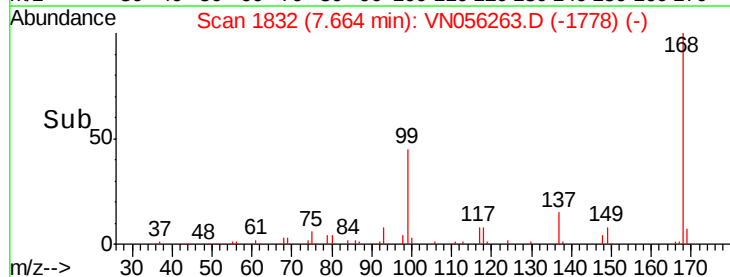
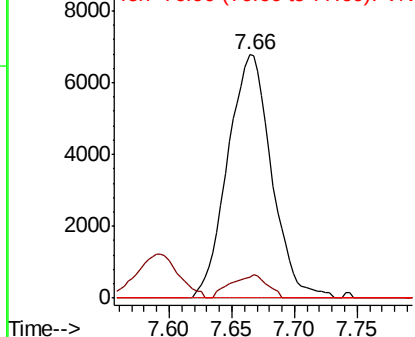


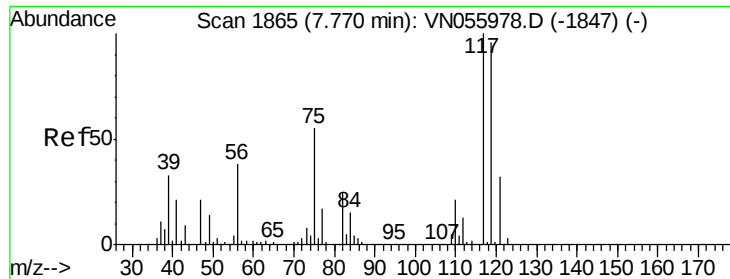
#36
 1,1-Dichloropropene
 Concen: 4.352 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056263.D
 Acq: 12 Jun 2019 21:00

Tgt Ion: 75 Resp: 16538
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.0 57.0#
 77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

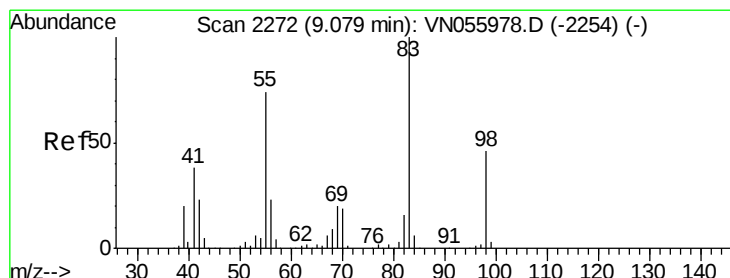
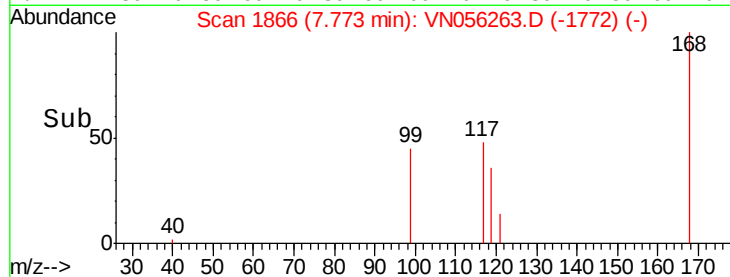
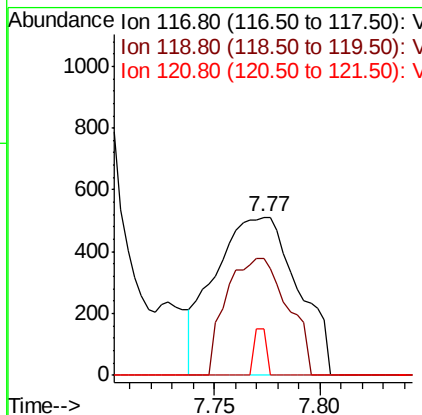
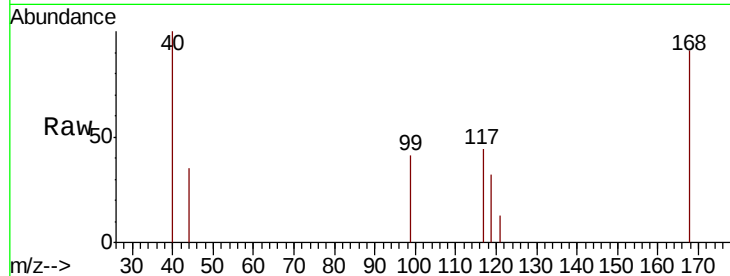




#38
Carbon Tetrachloride
Concen: 0.401 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056263.D
Acq: 12 Jun 2019 21:00

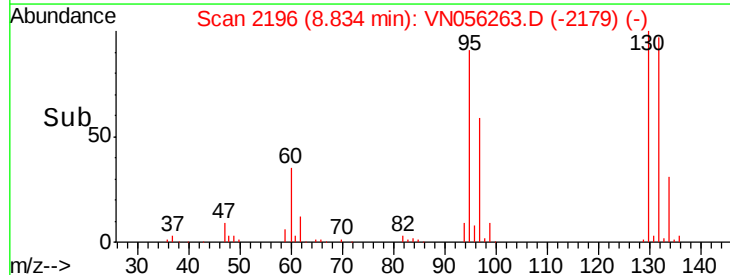
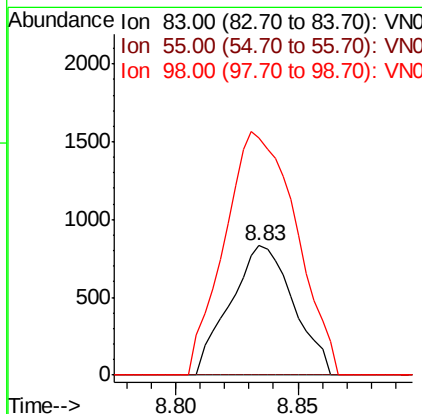
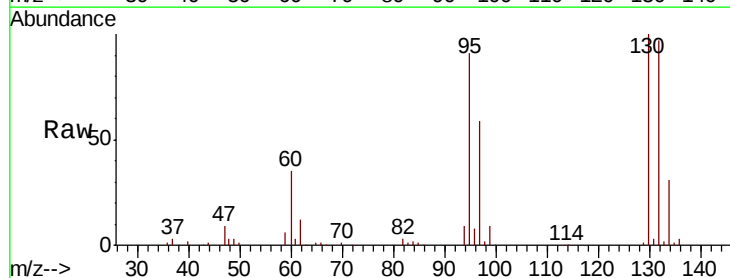
Instrument :
MSVOA_N
ClientSampleId :
TT101D1-20190610DL

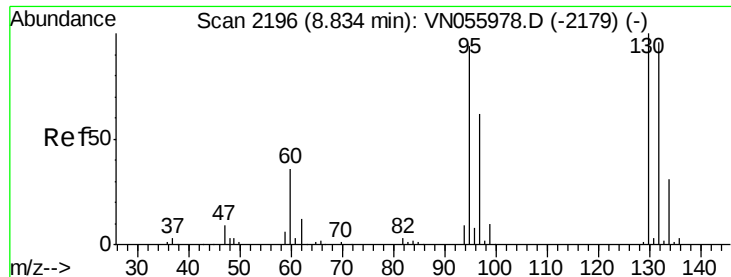
Tot Ion:117 Resp: 1405
Ion Ratio Lower Upper
117 100
119 73.4 79.0 118.6#
121 29.5 24.7 37.1



#39
Methylcyclohexane
Concen: 0.317 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VN056263.D
Acq: 12 Jun 2019 21:00

Tgt Ion: 83 Resp: 1500
Ion Ratio Lower Upper
83 100
55 0.0 59.3 88.9#
98 182.6 36.6 54.8#





#44

Trichloroethene

Concen: 42.657 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056263.D

Acq: 12 Jun 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

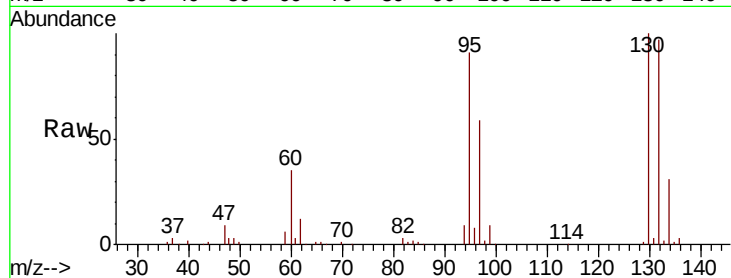
TT101D1-20190610DL

Tot Ion:130 Resp: 141472

Ion Ratio Lower Upper

130 100

95 91.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

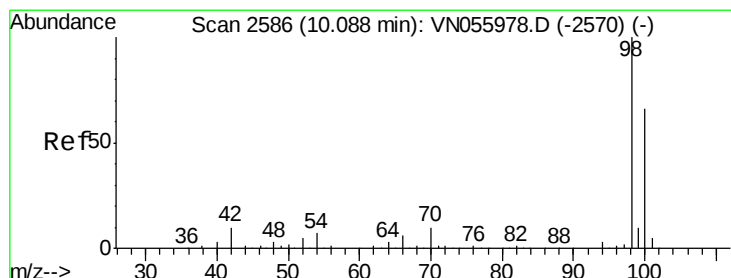
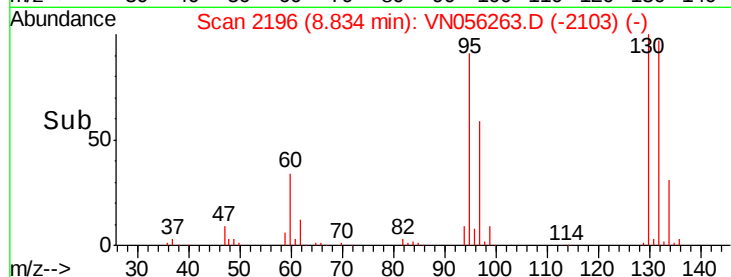
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00



#50

Toluene-d8

Concen: 52.789 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056263.D

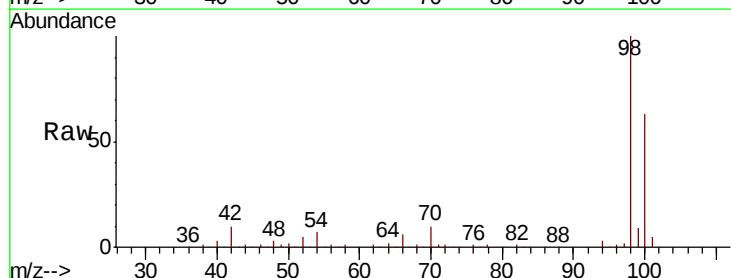
Acq: 12 Jun 2019 21:00

Tgt Ion: 98 Resp: 550780

Ion Ratio Lower Upper

98 100

100 63.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.09

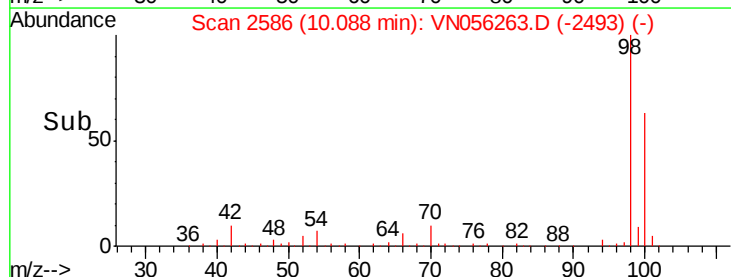
300000

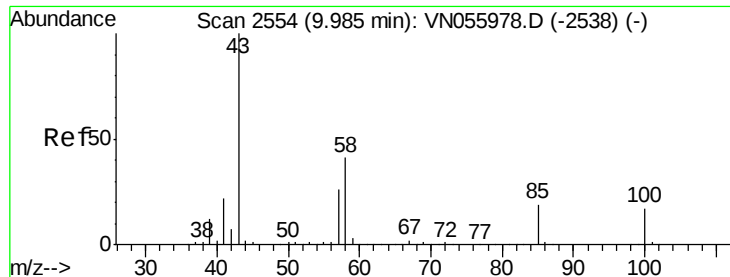
200000

100000

0

Time--> 10.00 10.20





#51

4-Methyl-2-Pentanone

Concen: 0.632 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN056263.D

Acq: 12 Jun 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

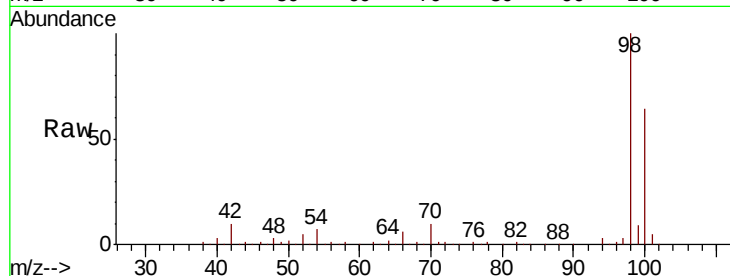
TT101D1-20190610DL

Tot Ion: 43 Resp: 2167

Ion Ratio Lower Upper

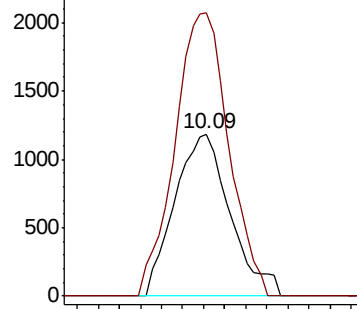
43 100

58 168.8 32.1 48.1#

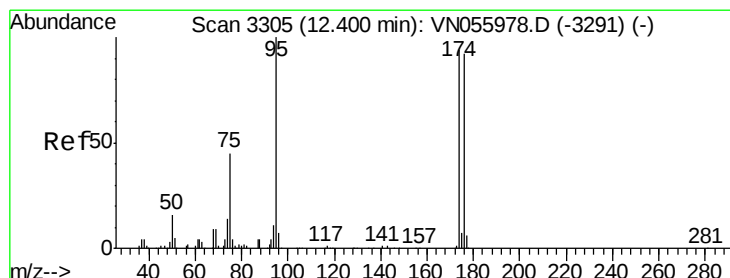
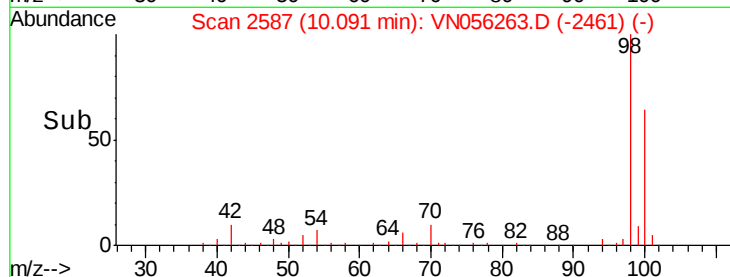


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 45.667 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056263.D

Acq: 12 Jun 2019 21:00

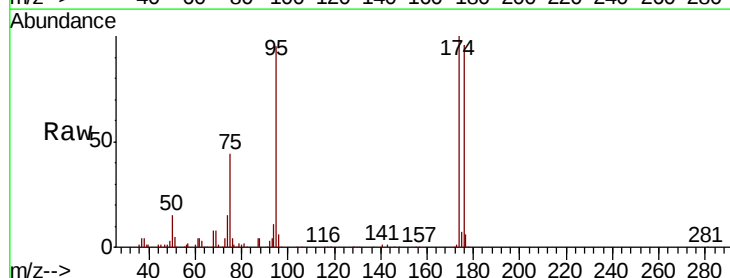
Tgt Ion: 95 Resp: 162037

Ion Ratio Lower Upper

95 100

174 105.2 0.0 191.0

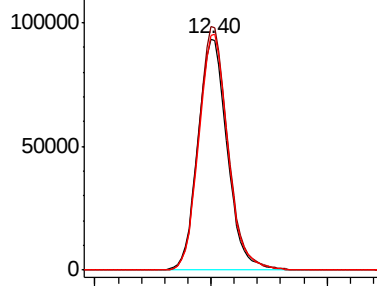
176 101.2 0.0 185.2



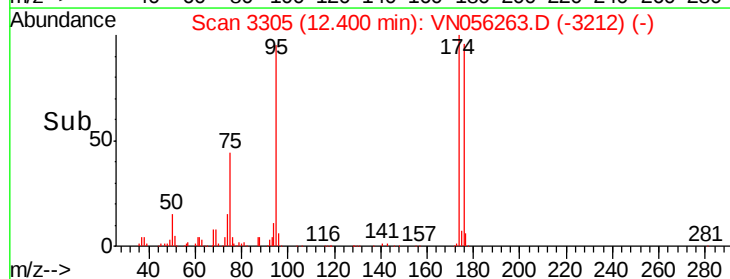
Abundance Ion 94.90 (94.60 to 95.60): VN0

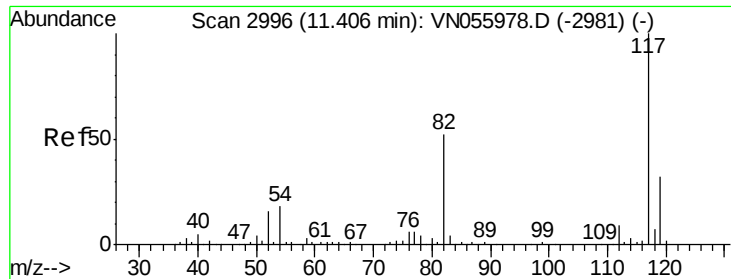
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

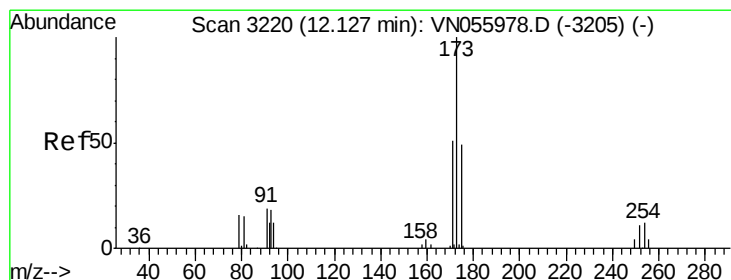
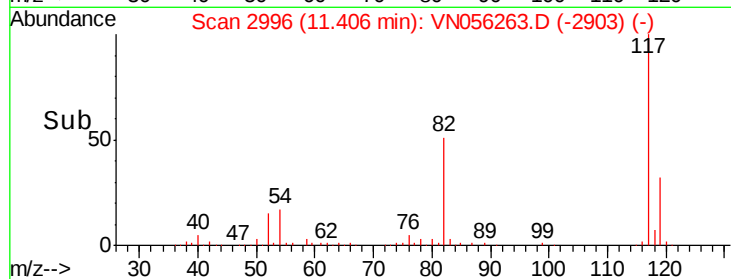
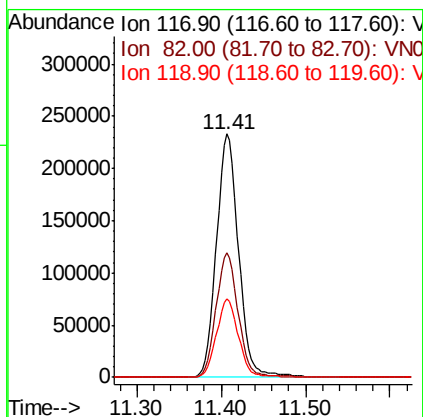
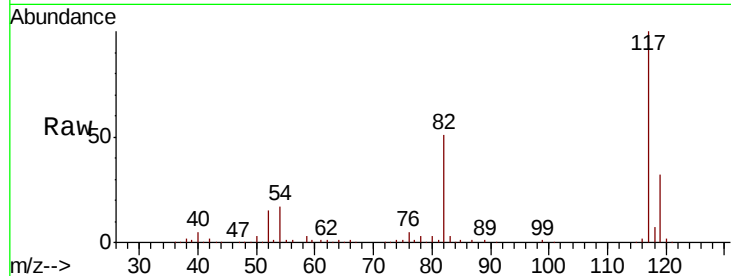




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056263.D
Acq: 12 Jun 2019 21:00

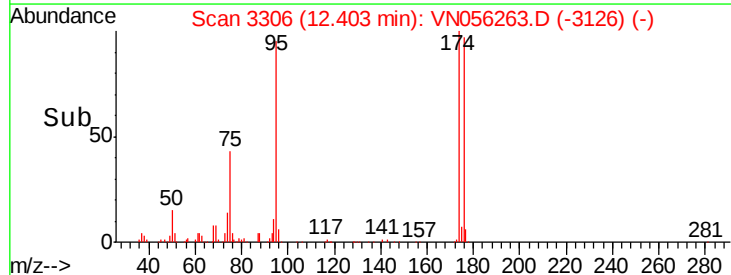
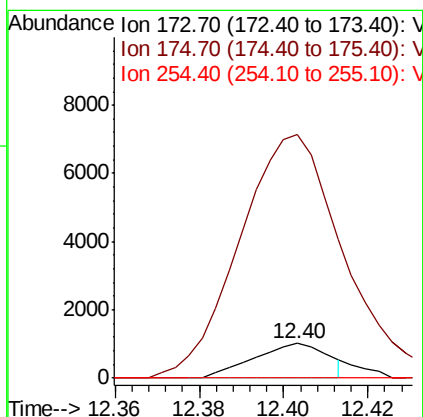
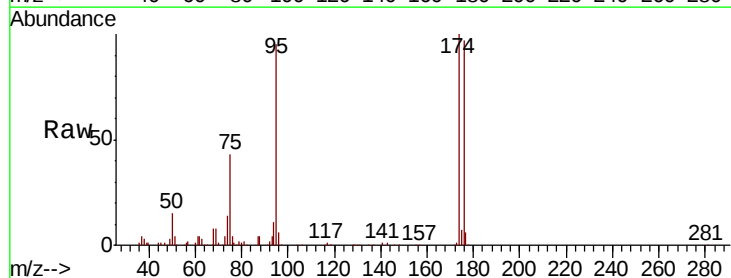
Instrument :
MSVOA_N
ClientSampleId :
TT101D1-20190610DL

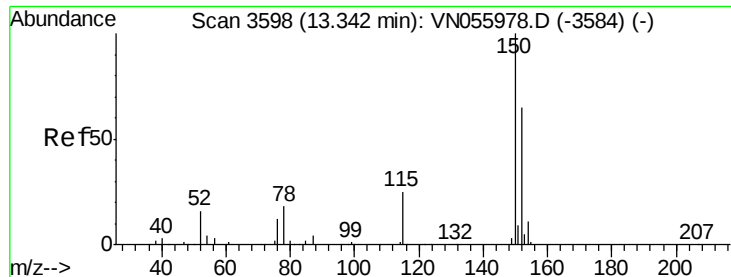
Tot Ion:117 Resp: 424219
Ion Ratio Lower Upper
117 100
82 50.9 41.8 62.8
119 32.3 25.4 38.0



#71
Bromoform
Concen: 3.222 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056263.D
Acq: 12 Jun 2019 21:00

Tgt Ion:173 Resp: 1242
Ion Ratio Lower Upper
173 100
175 838.2 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN056263.D

Acq: 12 Jun 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

TT101D1-20190610DL

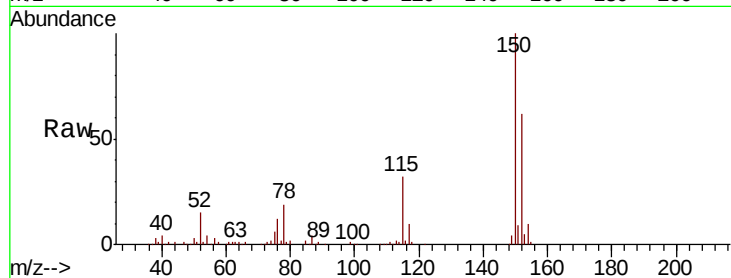
Tot Ion:152 Resp: 123141

Ion Ratio Lower Upper

152 100

115 51.4 27.0 81.0

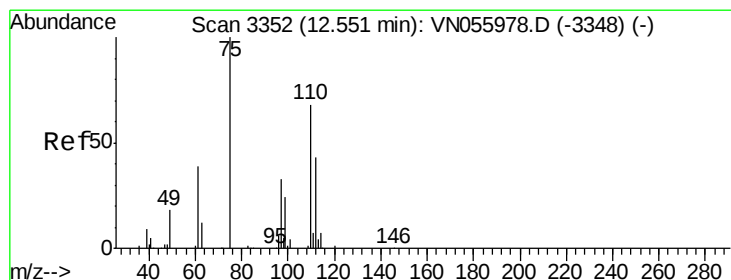
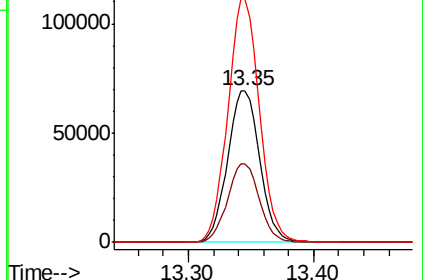
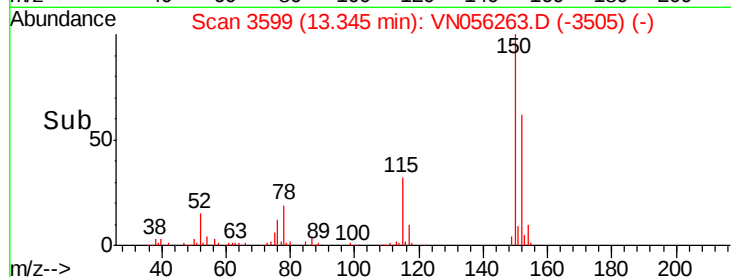
150 157.9 0.0 343.2



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: 33.200 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056263.D

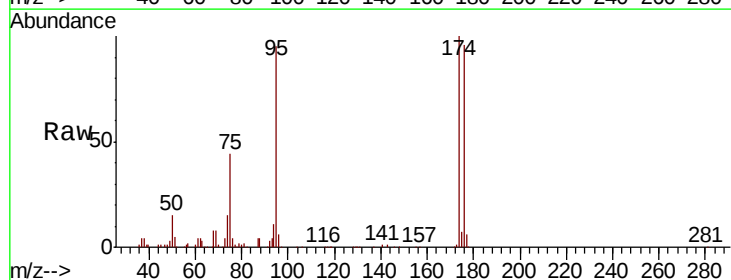
Acq: 12 Jun 2019 21:00

Tgt Ion: 75 Resp: 75226

Ion Ratio Lower Upper

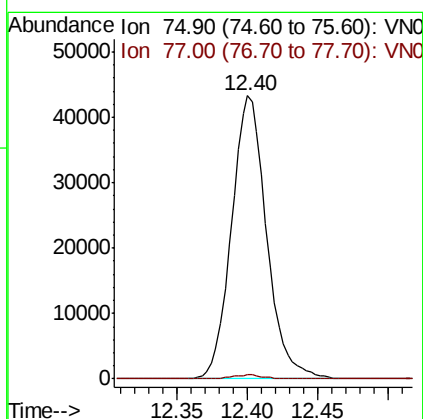
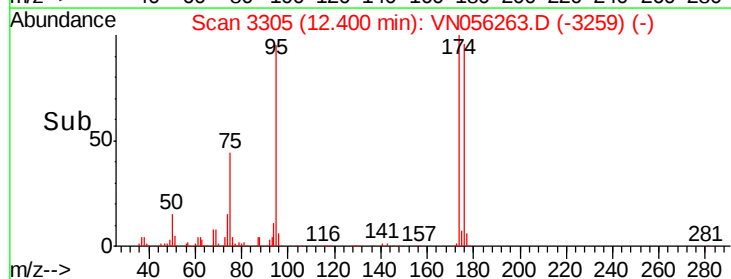
75 100

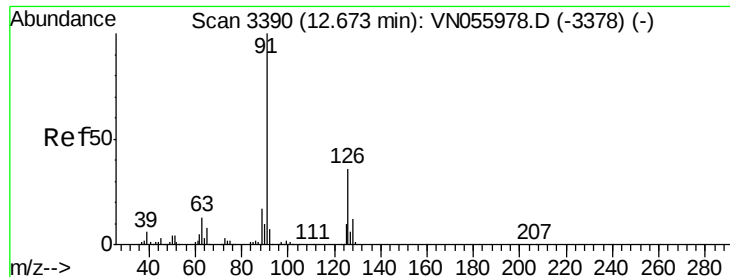
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.27 min

Lab File: VN056263.D

Acq: 12 Jun 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

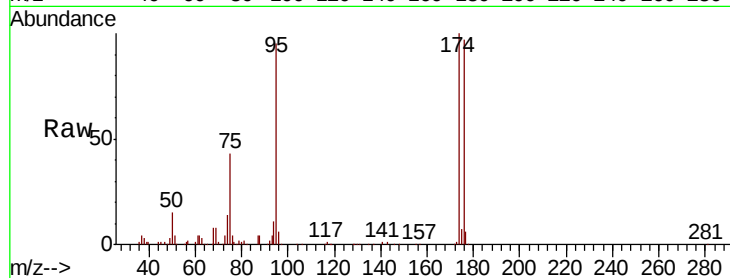
TT101D1-20190610DL

Tot Ion: 91 Resp: 323

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.40

250

200

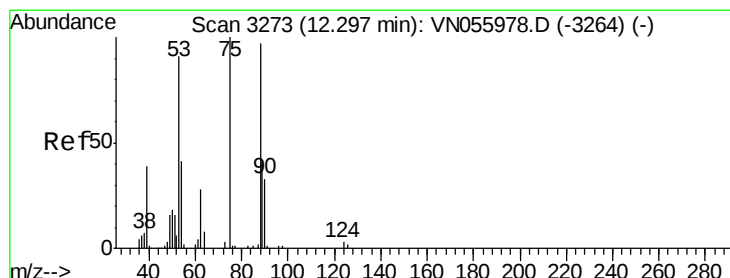
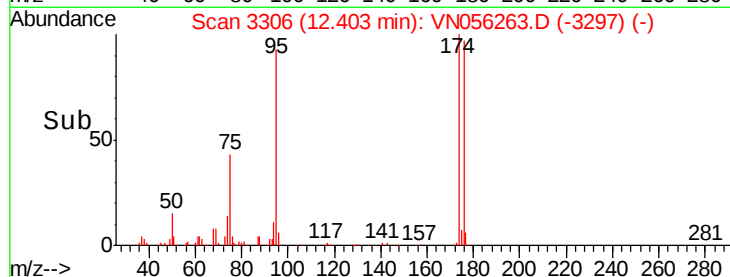
150

100

50

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 110.562 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056263.D

Acq: 12 Jun 2019 21:00

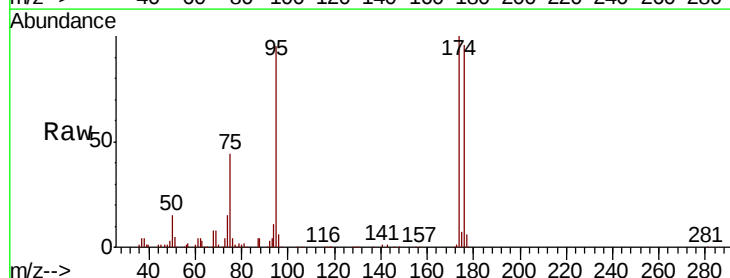
Tgt Ion: 75 Resp: 75226

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

60000

50000

40000

30000

20000

10000

0

Time-->

