

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056265.D
 Acq On : 12 Jun 2019 21:48
 Operator : JC/SP
 Sample : K3315-10DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20190610DL

Quant Time: Jun 13 04:36:30 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	7.67	168	330098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	485287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	473853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	148601	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	162965	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	7.59	113	154824	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
50) Toluene-d8	10.09	98	602046	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.40	95	183389	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

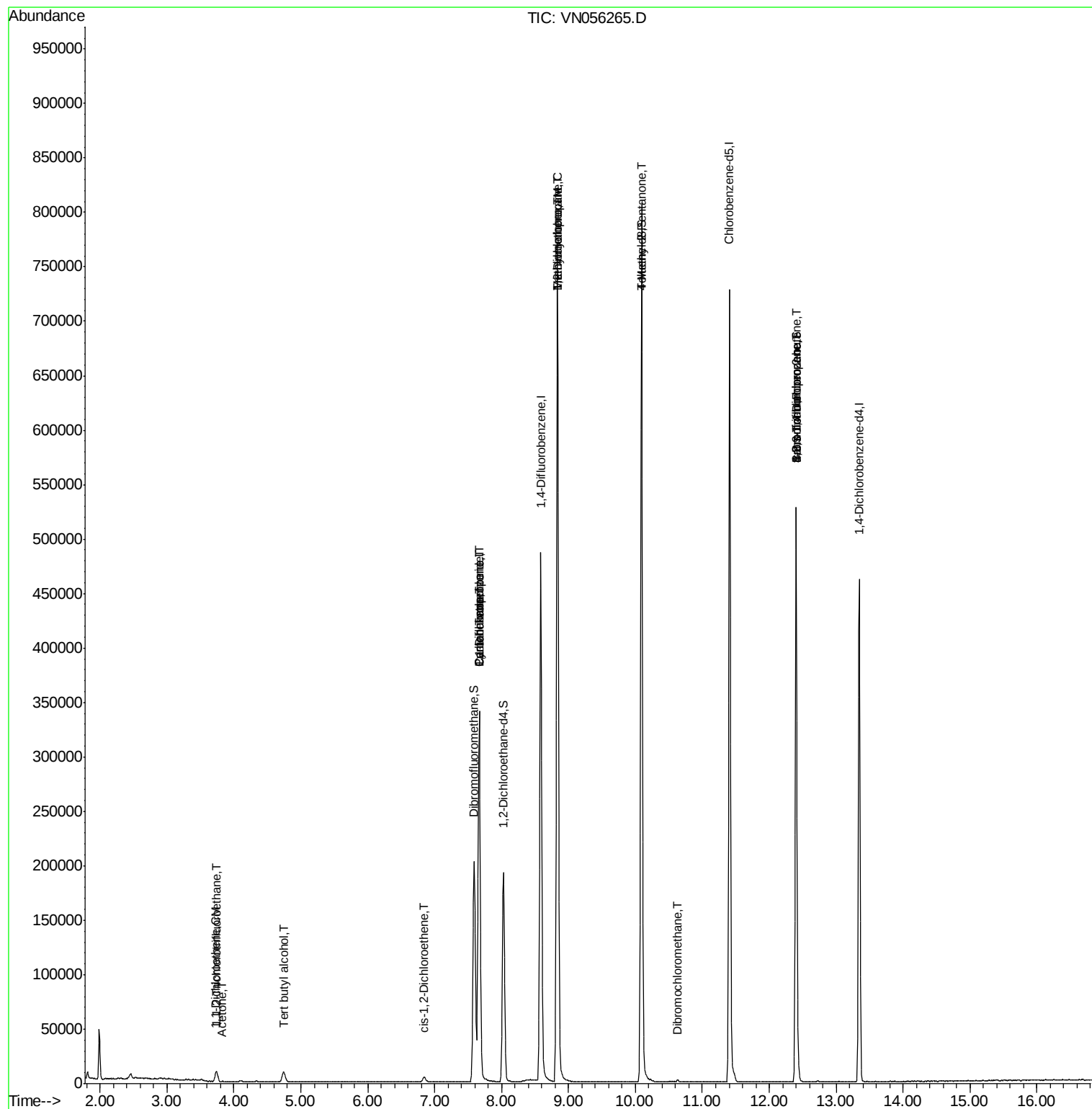
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.74	101	5442	1.955	ug/l	92
11) Tert butyl alcohol	4.75	59	8558	15.004	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	1109	0.400	ug/l	91
16) Acetone	3.82	43	874	0.558	ug/l #	41
18) Methyl Acetate	4.33	43	1183	Below Cal	#	51
27) cis-1,2-Dichloroethene	6.84	96	1022	0.293	ug/l #	3
31) Cyclohexane	7.67	56	4351	0.837	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	17908	4.292	ug/l #	48
38) Carbon Tetrachloride	7.67	117	26286	6.833	ug/l #	15
39) Methylcyclohexane	8.84	83	3259	0.627	ug/l #	1
44) Trichloroethene	8.84	130	323803	88.914	ug/l	96
45) 1,2-Dichloropropane	8.84	63	754	0.232	ug/l #	1
51) 4-Methyl-2-Pentanone	10.09	43	2202	0.585	ug/l #	1
60) Dibromochloromethane	10.63	129	432	2.571	ug/l #	11
71) Bromoform	12.40	173	1333	3.203	ug/l #	1
73) Isopropylbenzene	12.40	105	60	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	83411	30.505	ug/l #	100
79) 2-Chlorotoluene	12.40	91	431	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	83411	101.588	ug/l #	15

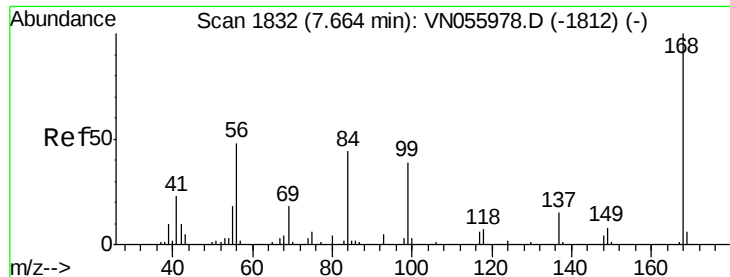
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056265.D

Acq: 12 Jun 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

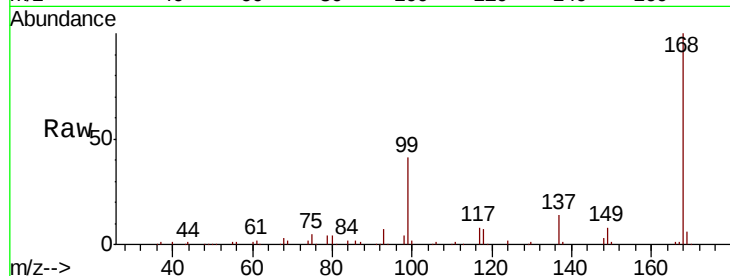
TT101D2-20190610DL

Tot Ion:168 Resp: 330098

Ion Ratio Lower Upper

168 100

99 41.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

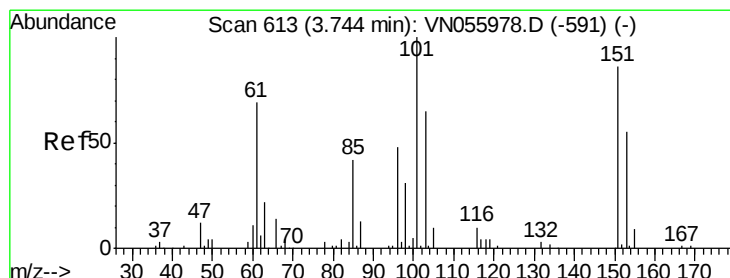
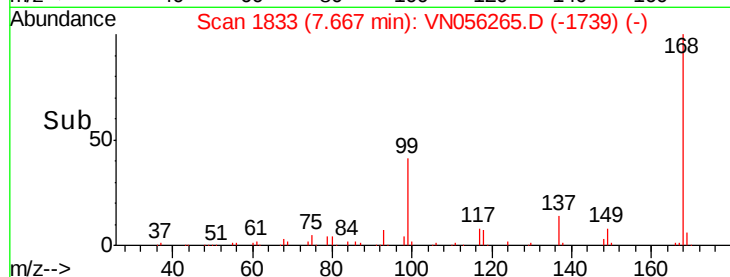
100000

50000

0

Time-->

7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.955 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN056265.D

Acq: 12 Jun 2019 21:48

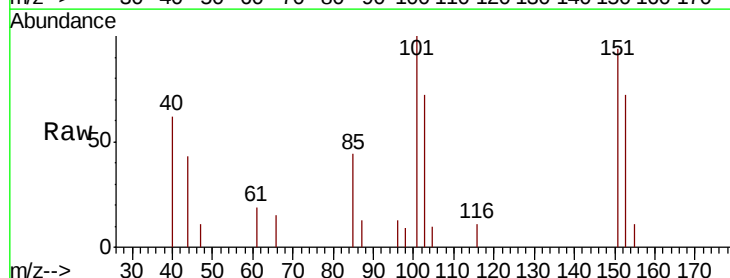
Tgt Ion:101 Resp: 5442

Ion Ratio Lower Upper

101 100

85 40.4 33.4 50.2

151 97.3 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

2500

2000

1500

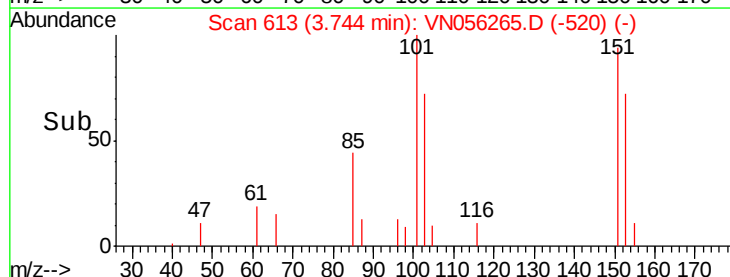
1000

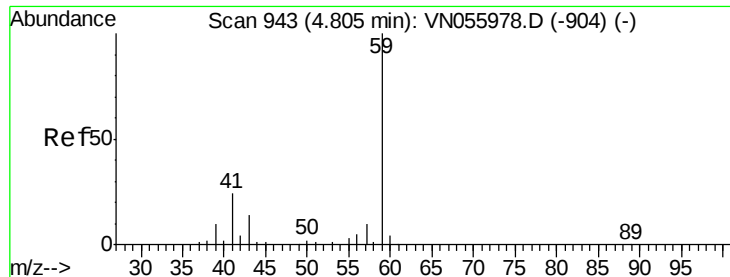
500

0

Time-->

3.65 3.70 3.75 3.80



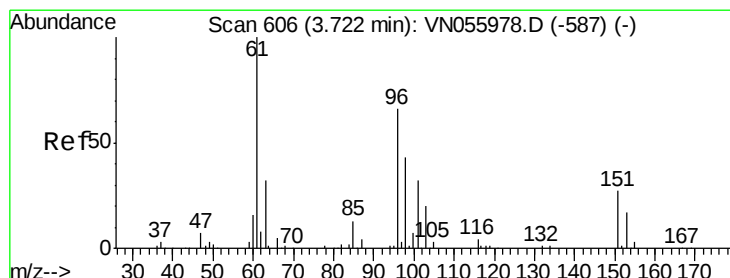
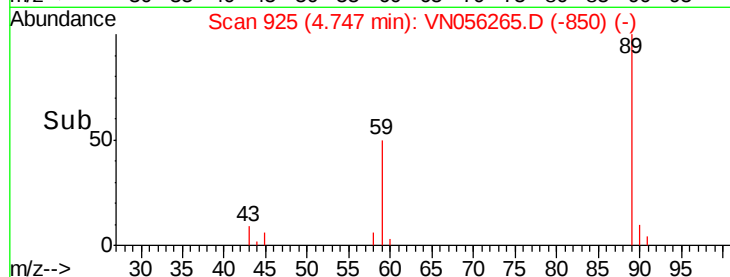
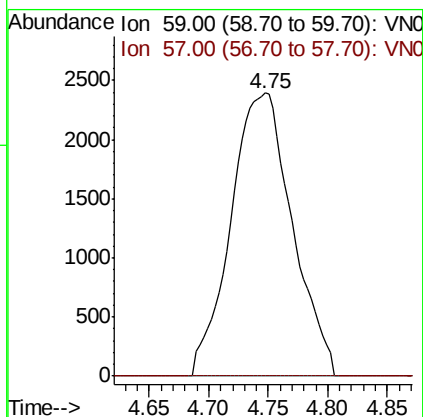
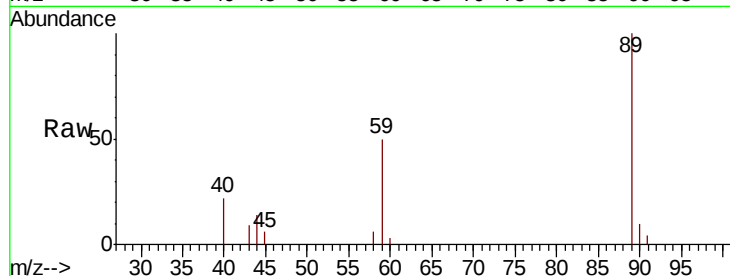


#11

Tert butyl alcohol
 Concen: 15.004 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.06 min
 Lab File: VN056265.D
 Acq: 12 Jun 2019 21:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20190610DL

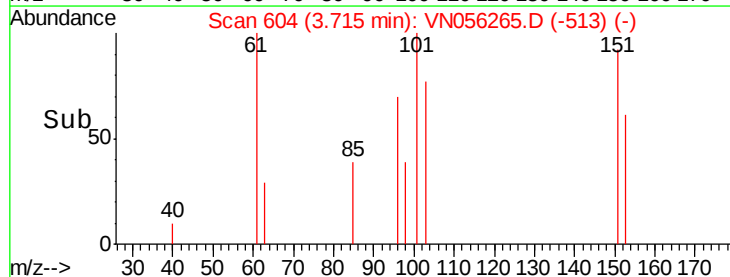
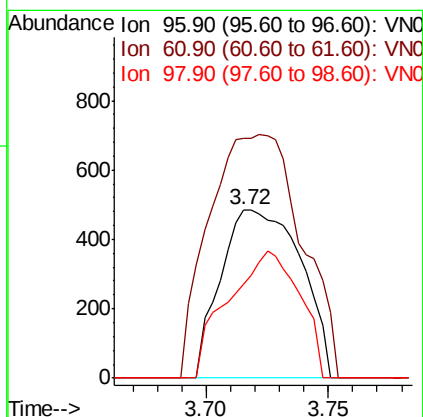
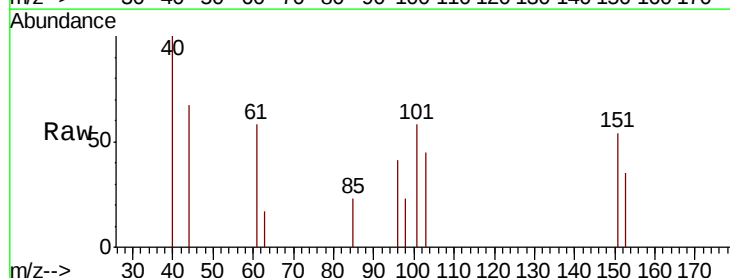
Tot Ion: 59 Resp: 8558
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

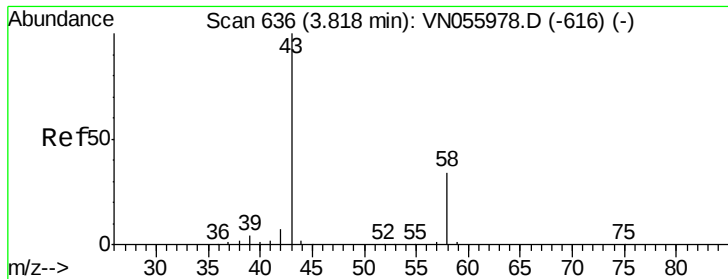


#12

1,1-Dichloroethene
 Concen: 0.400 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VN056265.D
 Acq: 12 Jun 2019 21:48

Tgt Ion: 96 Resp: 1109
 Ion Ratio Lower Upper
 96 100
 61 142.0 123.2 184.8
 98 55.6 50.4 75.6





#16

Acetone

Concen: 0.558 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056265.D

Acq: 12 Jun 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

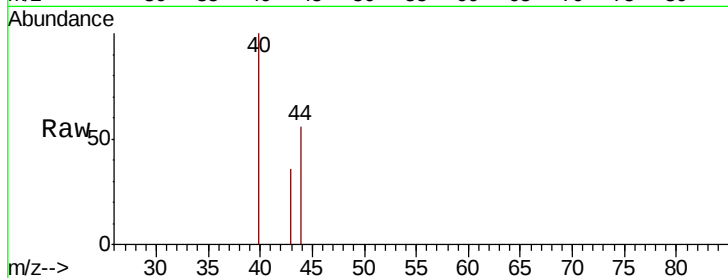
TT101D2-20190610DL

Tot Ion: 43 Resp: 874

Ion Ratio Lower Upper

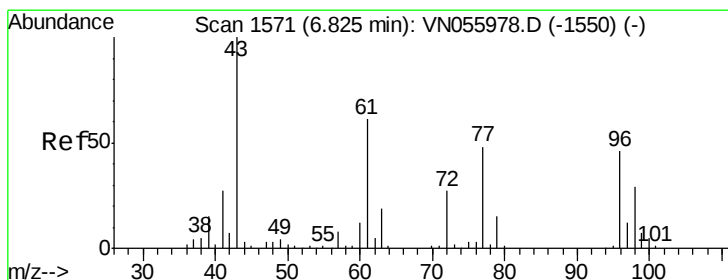
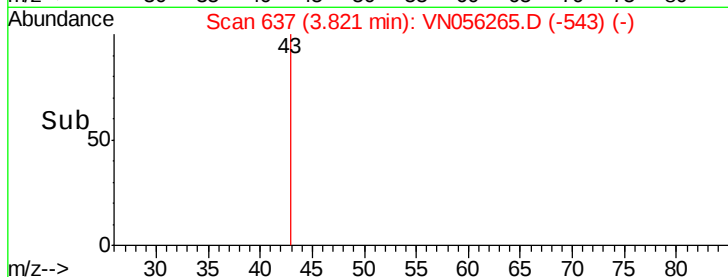
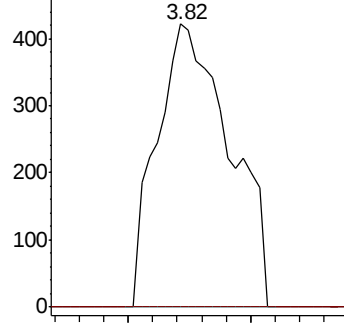
43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.293 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.02 min

Lab File: VN056265.D

Acq: 12 Jun 2019 21:48

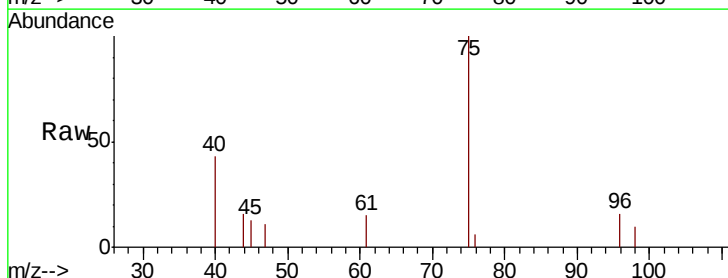
Tgt Ion: 96 Resp: 1022

Ion Ratio Lower Upper

96 100

61 0.0 0.0 275.8

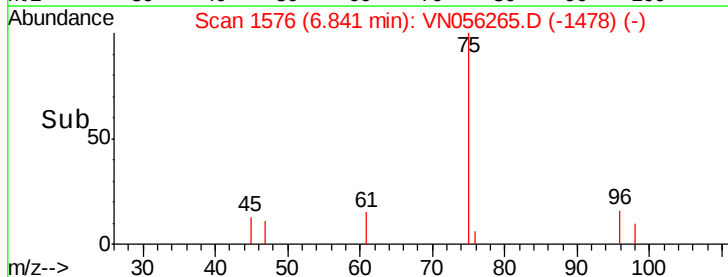
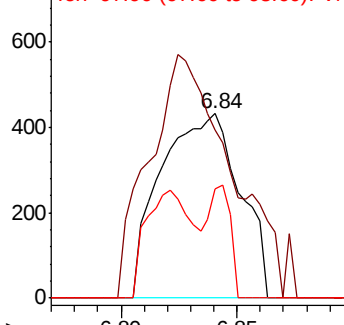
98 17.0 0.0 128.4

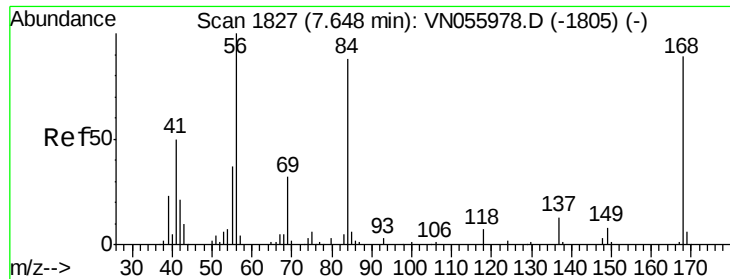


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

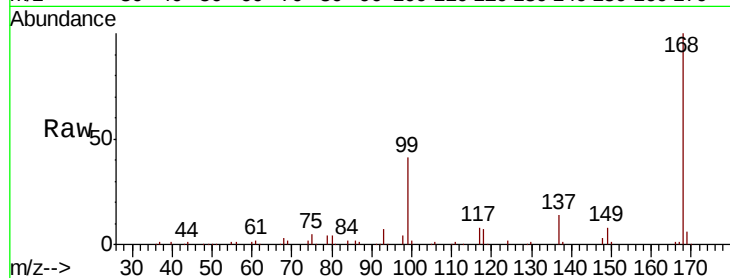




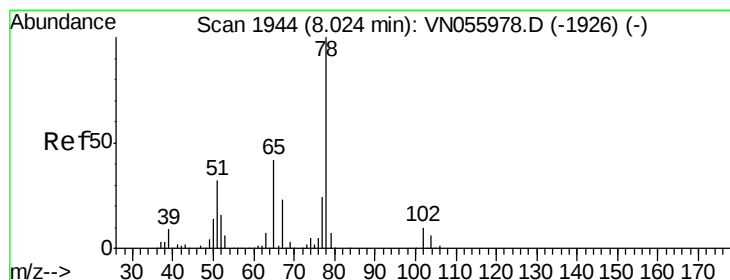
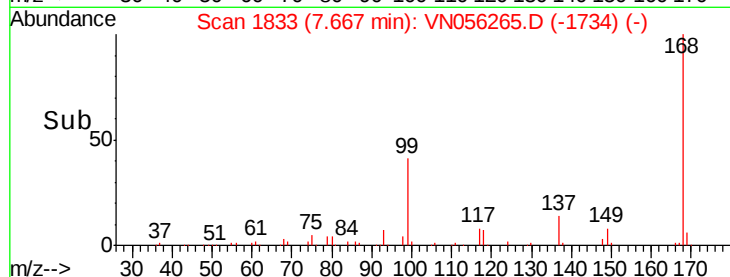
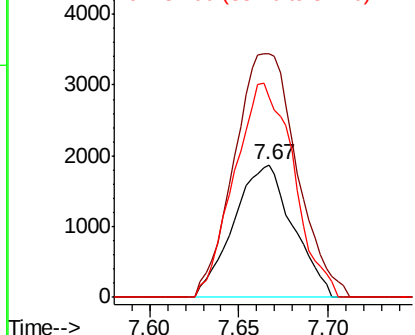
#31
Cyclohexane
Concen: 0.837 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN056265.D
Acq: 12 Jun 2019 21:48

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20190610DL

Tot Ion: 56 Resp: 4351
Ion Ratio Lower Upper
56 100
69 183.7 25.6 38.4#
84 151.1 67.4 101.0#

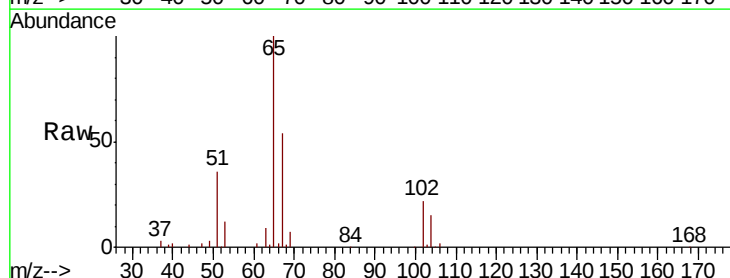


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

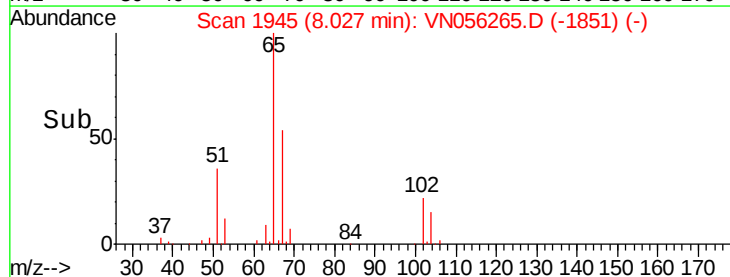
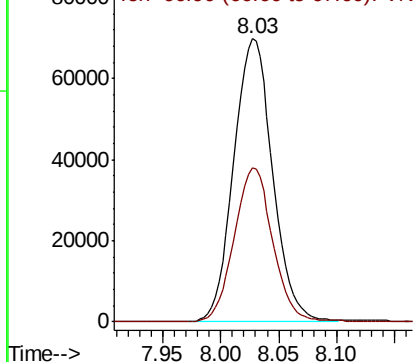


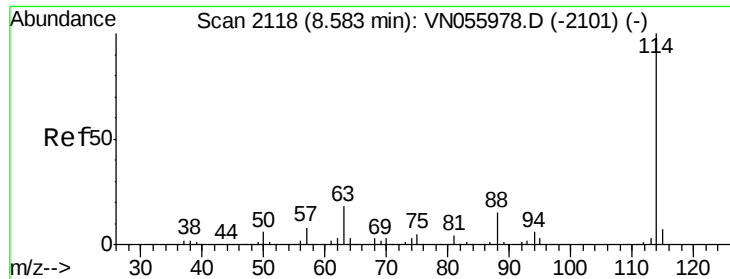
#33
1,2-Dichloroethane-d4
Concen: 49.721 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056265.D
Acq: 12 Jun 2019 21:48

Tgt Ion: 65 Resp: 162965
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.2



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

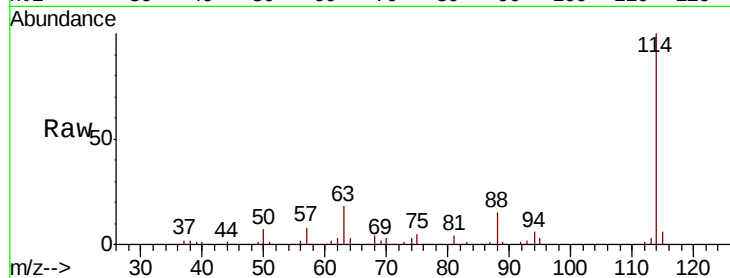




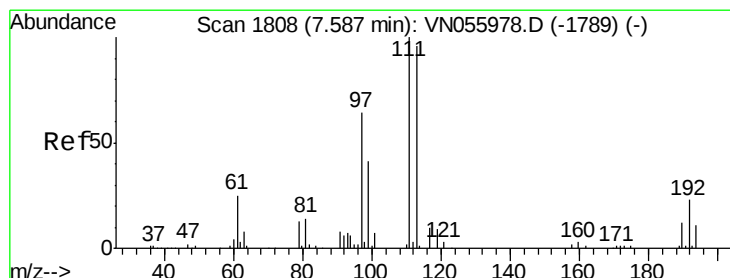
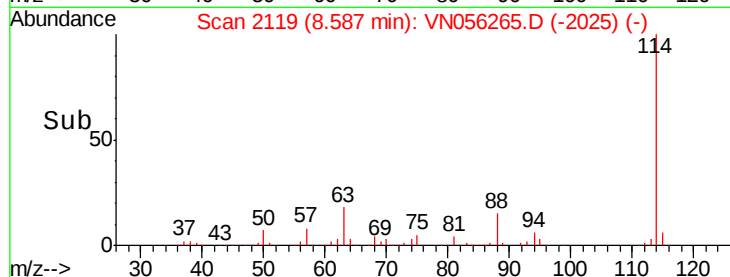
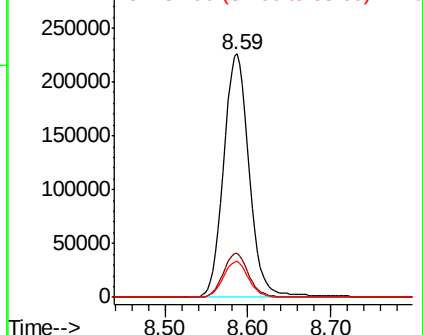
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056265.D
Acq: 12 Jun 2019 21:48

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20190610DL

Tot Ion:114 Resp: 485287
Ion Ratio Lower Upper
114 100
63 18.2 0.0 39.2
88 14.7 0.0 31.0

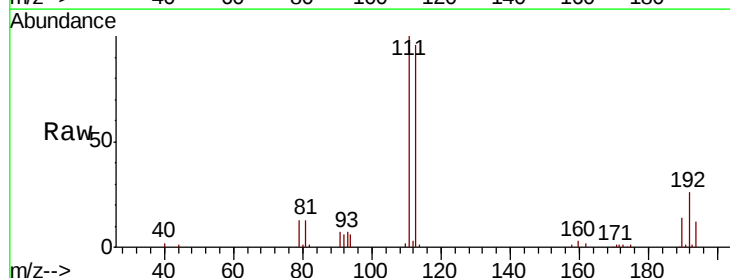


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

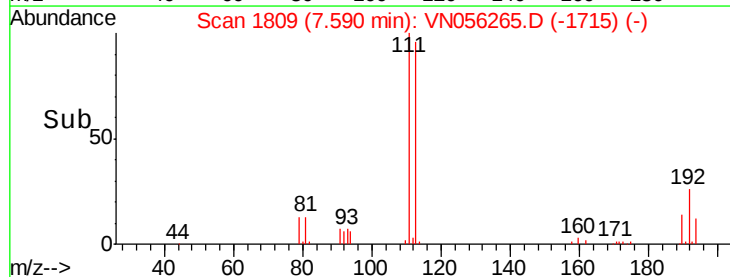
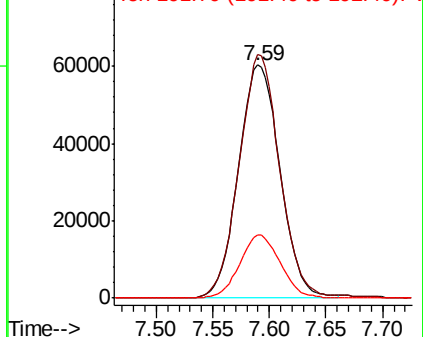


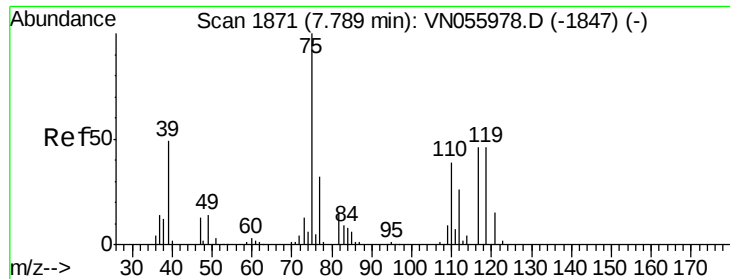
#35
Dibromofluoromethane
Concen: 52.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056265.D
Acq: 12 Jun 2019 21:48

Tgt Ion:113 Resp: 154824
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 26.3 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

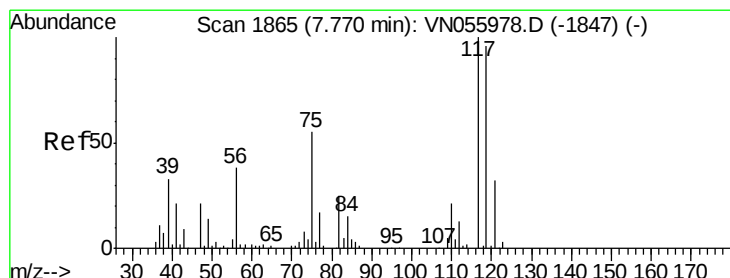
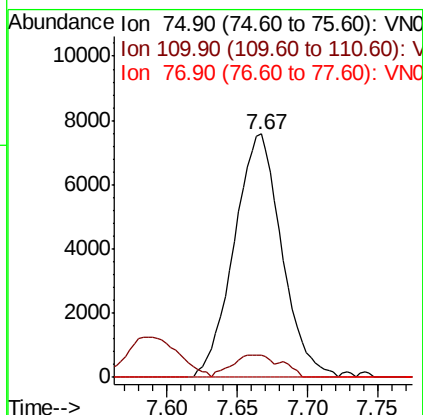
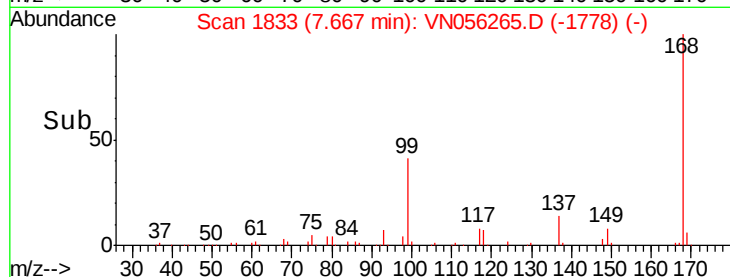
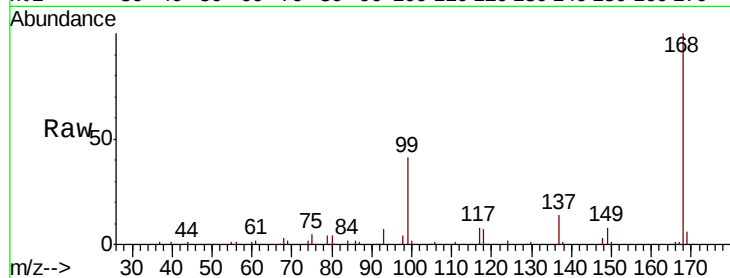




#36
 1,1-Dichloropropene
 Concen: 4.292 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN056265.D
 Acq: 12 Jun 2019 21:48

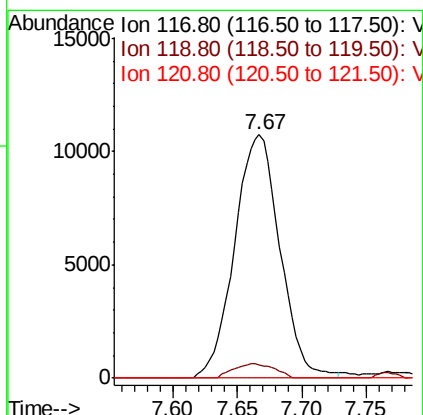
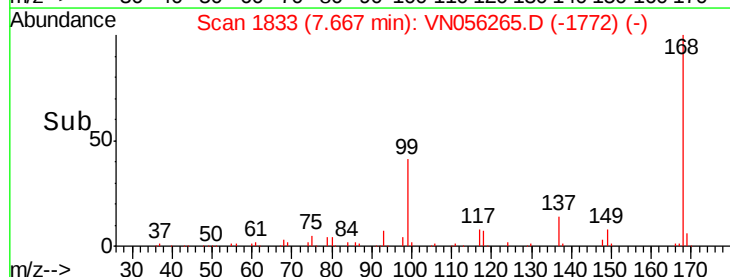
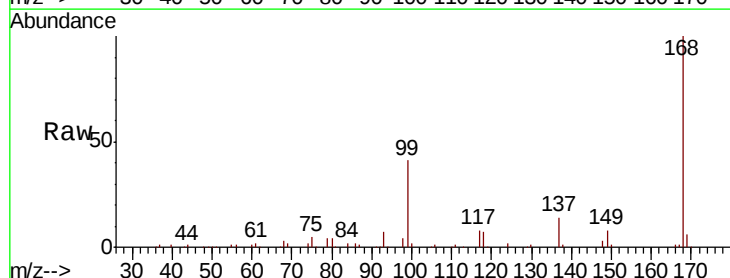
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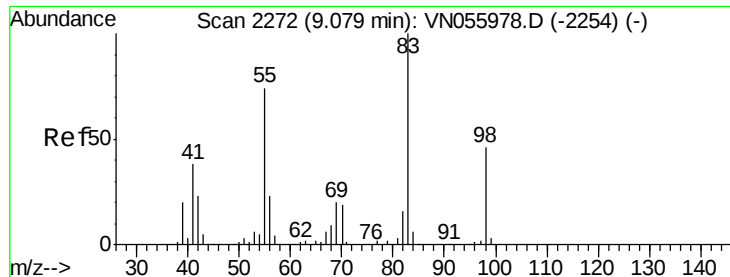
Tot Ion: 75 Resp: 17908
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.0 57.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.833 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN056265.D
 Acq: 12 Jun 2019 21:48

Tgt Ion: 117 Resp: 26286
 Ion Ratio Lower Upper
 117 100
 119 5.6 79.0 118.6#
 121 0.0 24.7 37.1#

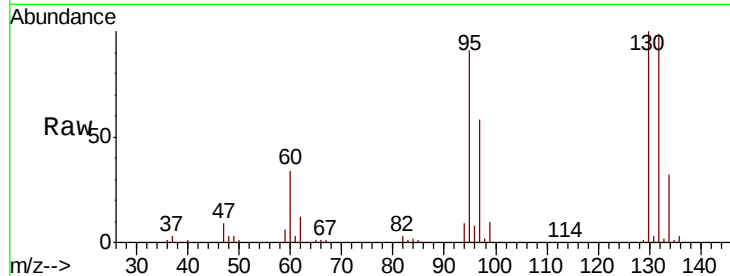




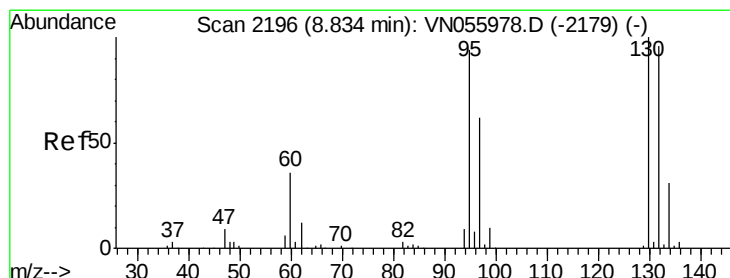
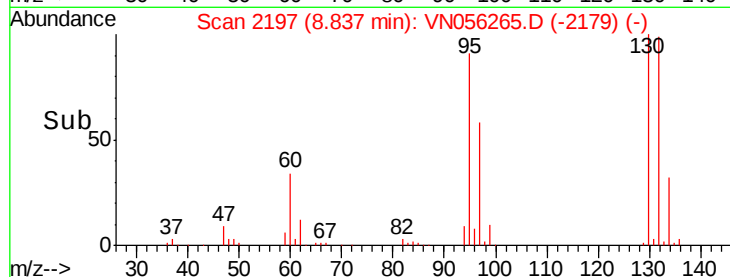
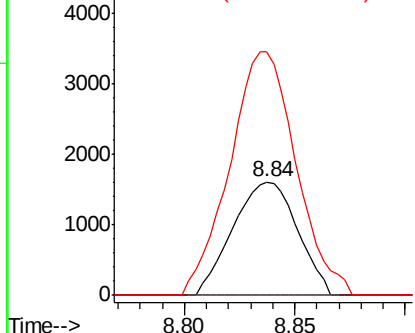
#39
Methvlcvclohexane
Concen: 0.627 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.24 min
Lab File: VN056265.D
Acq: 12 Jun 2019 21:48

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20190610DL

Tot Ion: 83 Resp: 3259
Ion Ratio Lower Upper
83 100
55 0.0 59.3 88.9#
98 202.0 36.6 54.8#

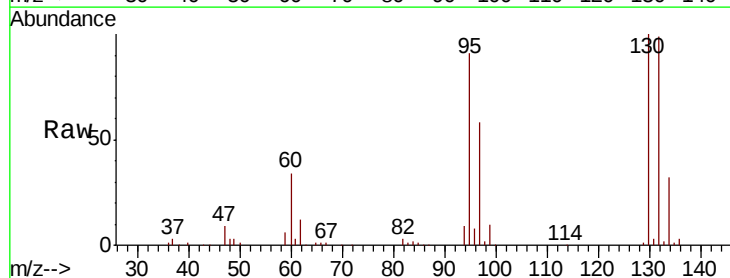


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

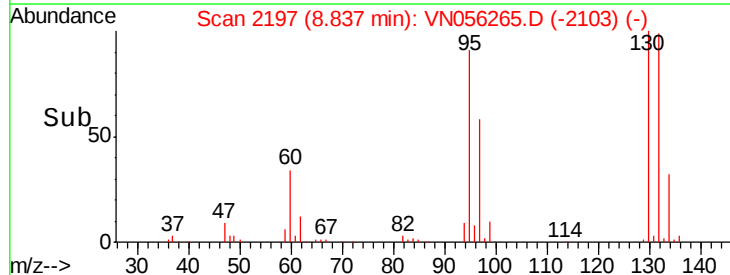
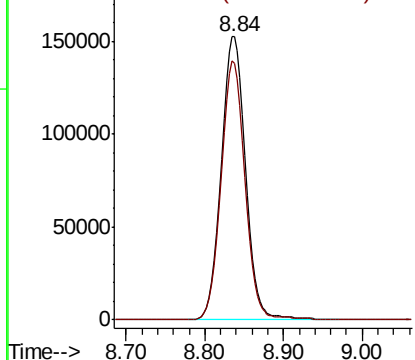


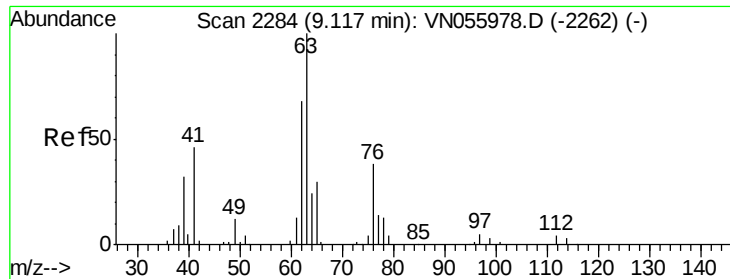
#44
Trichloroethene
Concen: 88.914 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN056265.D
Acq: 12 Jun 2019 21:48

Tgt Ion:130 Resp: 323803
Ion Ratio Lower Upper
130 100
95 90.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

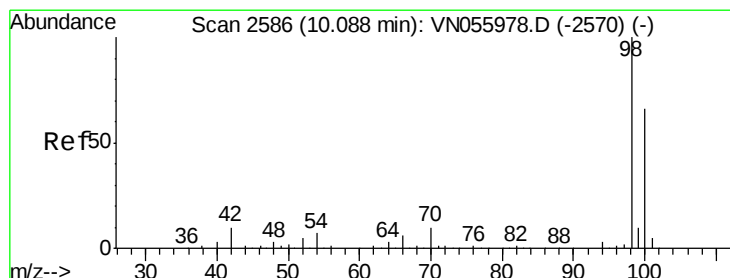
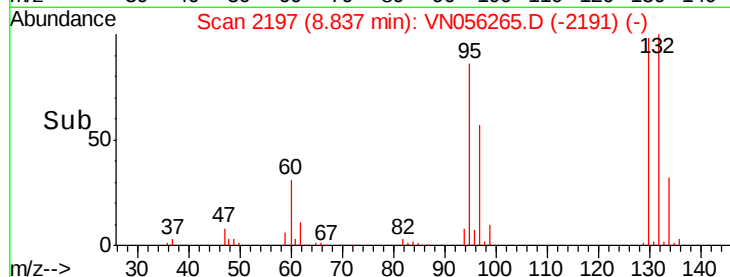
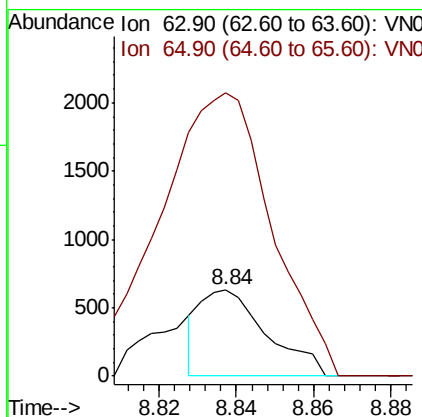
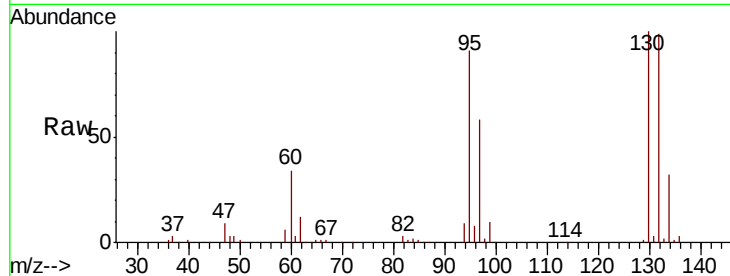




#45
 1,2-Dichloropropane
 Concen: 0.232 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.28 min
 Lab File: VN056265.D
 Acq: 12 Jun 2019 21:48

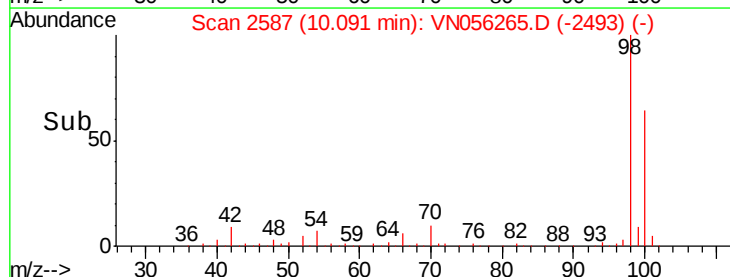
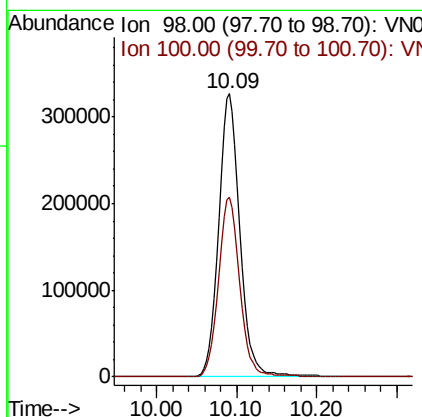
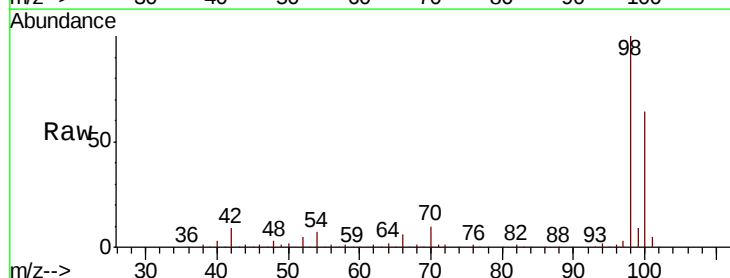
Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20190610DL

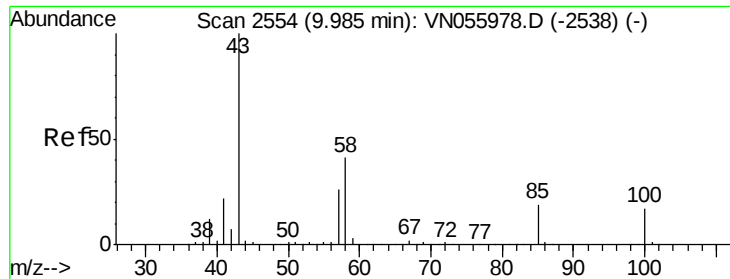
Tot Ion: 63 Resp: 754
 Ion Ratio Lower Upper
 63 100
 65 327.2 24.6 36.8#



#50
 Toluene-d8
 Concen: 52.548 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056265.D
 Acq: 12 Jun 2019 21:48

Tgt Ion: 98 Resp: 602046
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 0.585 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN056265.D

Acq: 12 Jun 2019 21:48

Instrument :

MSVOA_N

ClientSampleID :

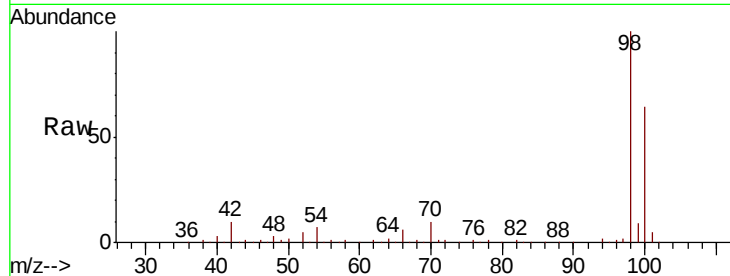
TT101D2-20190610DL

Tot Ion: 43 Resp: 2202

Ion Ratio Lower Upper

43 100

58 189.1 32.1 48.1#

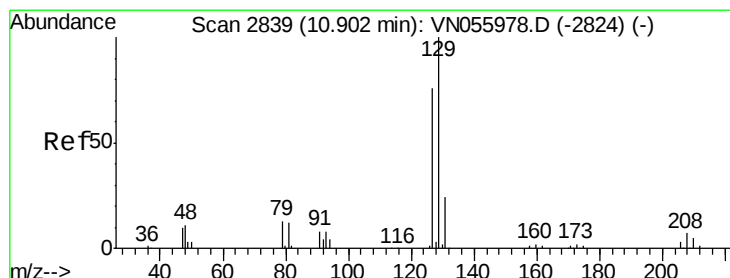
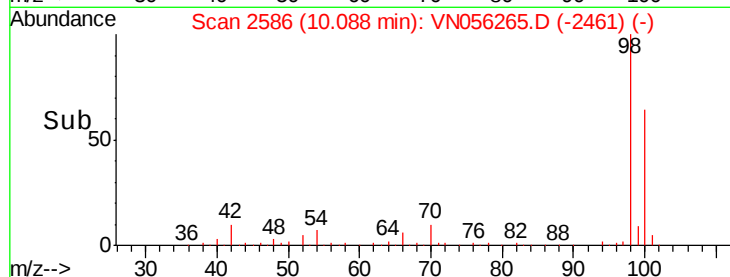


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

10.09

Time-->



#60

Dibromochloromethane

Concen: 2.571 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN056265.D

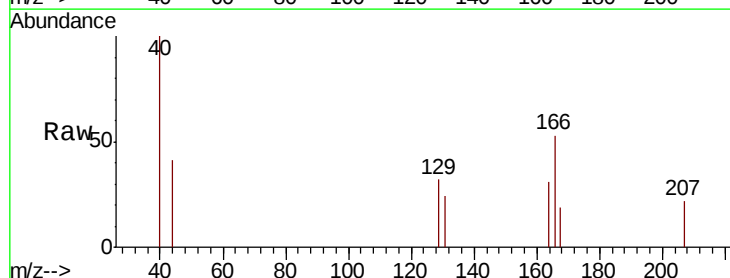
Acq: 12 Jun 2019 21:48

Tgt Ion: 129 Resp: 432

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#

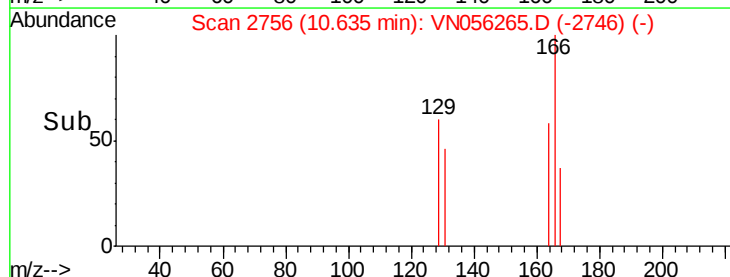


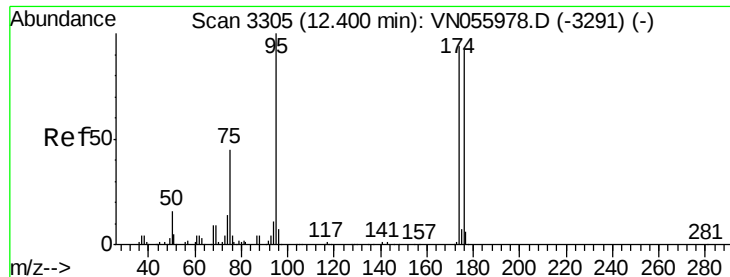
Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)

10.63

Time-->





#62

4-Bromofluorobenzene

Concen: 47.068 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056265.D

Acq: 12 Jun 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20190610DL

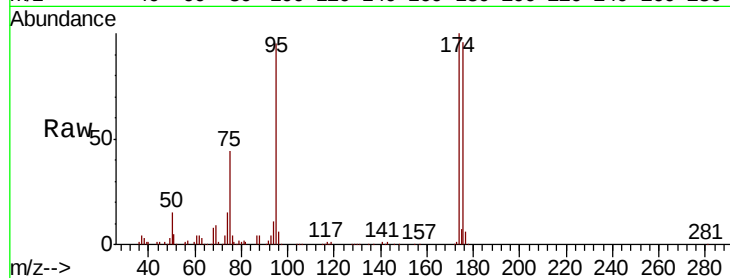
Tot Ion: 95 Resp: 183389

Ion Ratio Lower Upper

95 100

174 106.3 0.0 191.0

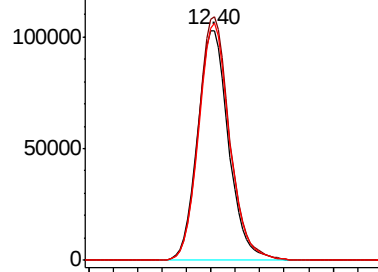
176 102.6 0.0 185.2



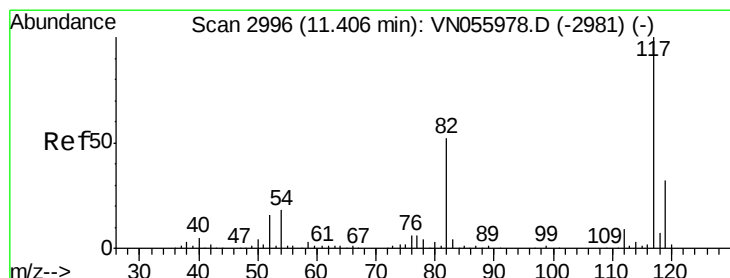
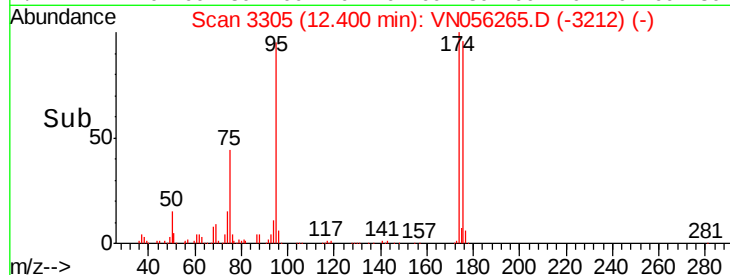
Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056265.D

Acq: 12 Jun 2019 21:48

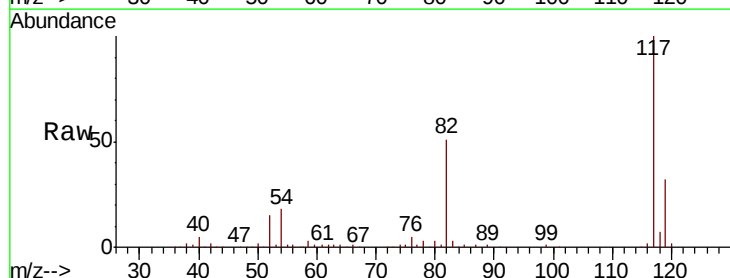
Tgt Ion: 117 Resp: 473853

Ion Ratio Lower Upper

117 100

82 50.8 41.8 62.8

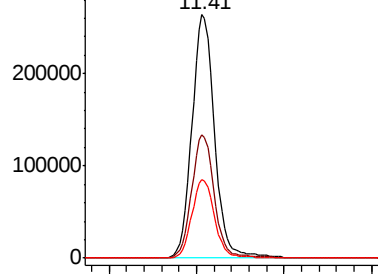
119 32.5 25.4 38.0



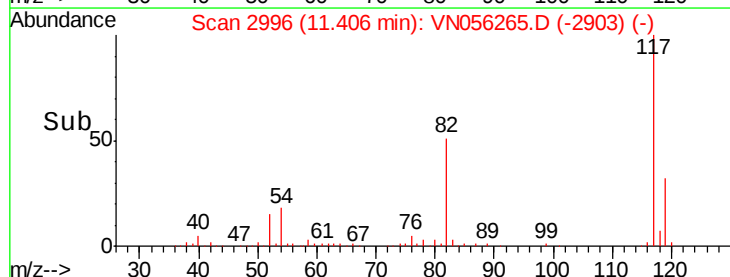
Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

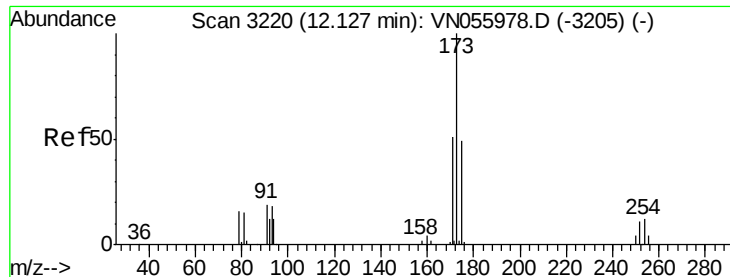
Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)



Time--> 11.30 11.40 11.50

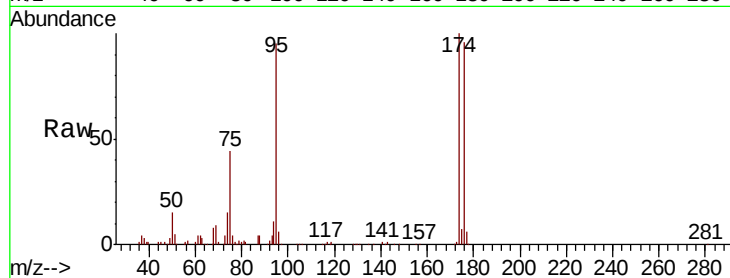




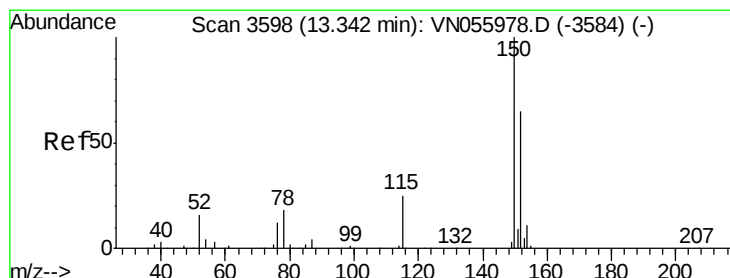
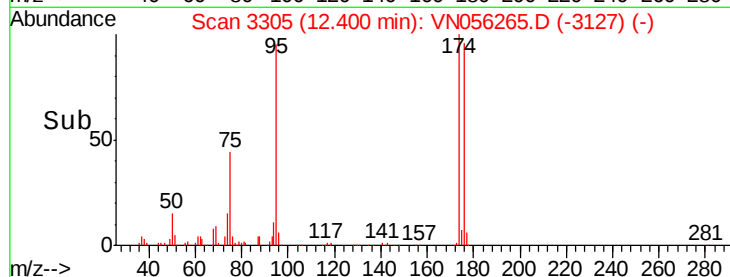
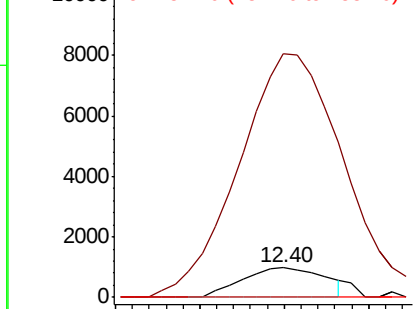
#71
Bromoform
Concen: 3.203 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056265.D
Acq: 12 Jun 2019 21:48

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20190610DL

Tot Ion:173 Resp: 1333
Ion Ratio Lower Upper
173 100
175 895.9 24.3 72.8#
254 0.0 0.0 0.0

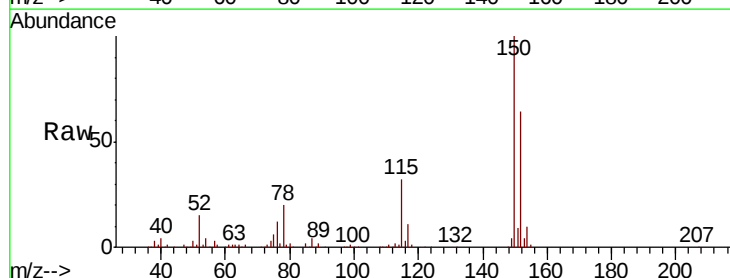


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

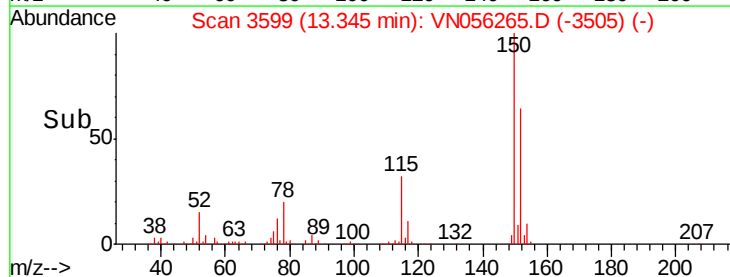
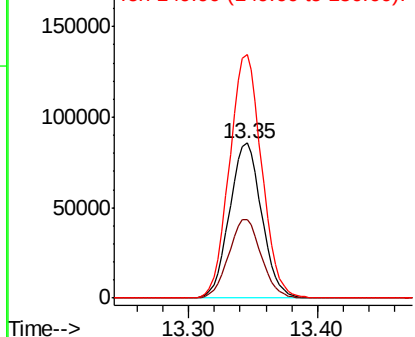


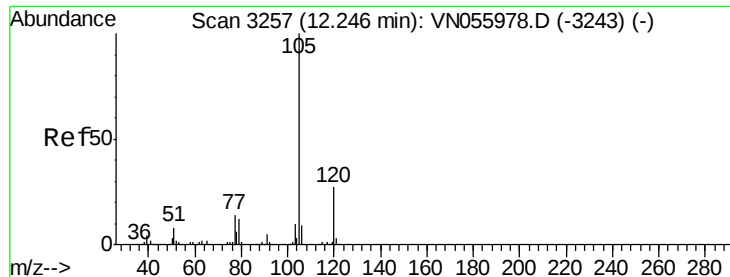
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN056265.D
Acq: 12 Jun 2019 21:48

Tgt Ion:152 Resp: 148601
Ion Ratio Lower Upper
152 100
115 51.4 27.0 81.0
150 157.1 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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN056265.D

Acq: 12 Jun 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

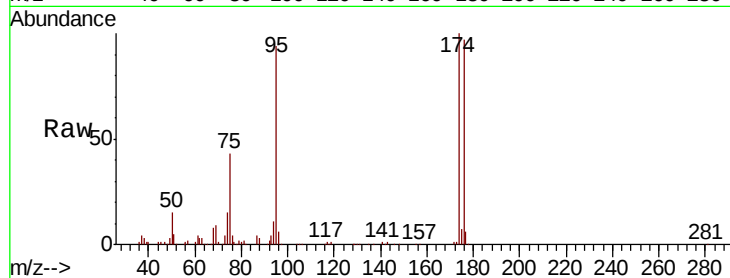
TT101D2-20190610DL

Tot Ion: 105 Resp: 60

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.40

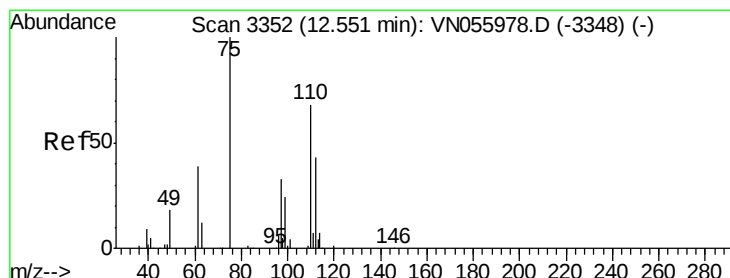
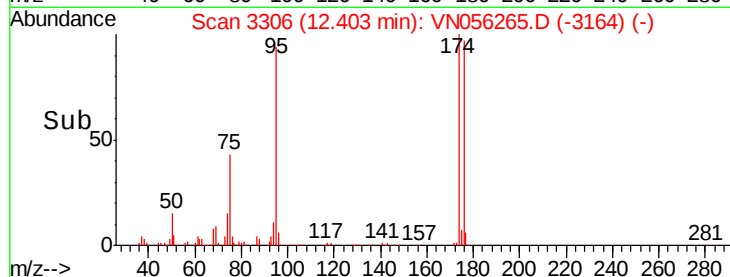
150

100

50

0

Time--> 12.39 12.40 12.41



#76

1,2,3-Trichloropropane

Concen: 30.505 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056265.D

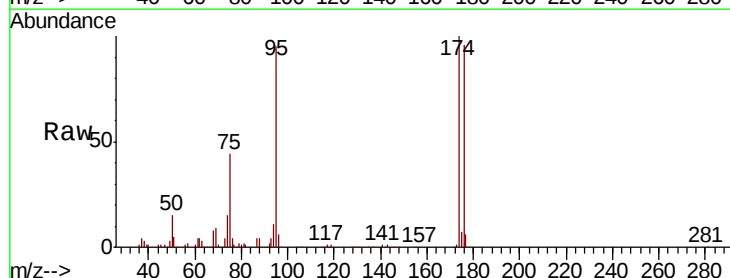
Acq: 12 Jun 2019 21:48

Tgt Ion: 75 Resp: 83411

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

50000

40000

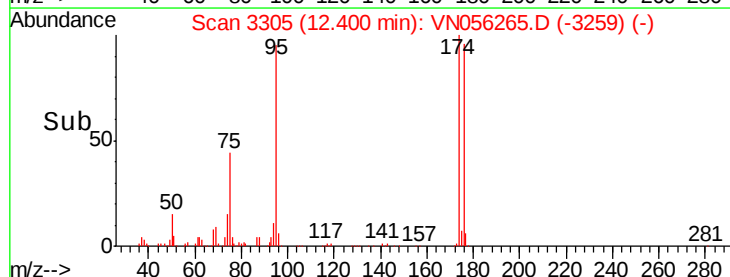
30000

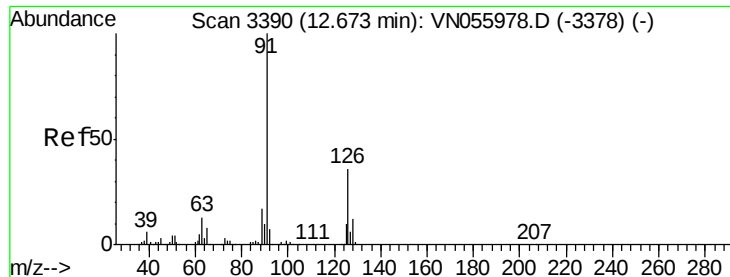
20000

10000

0

Time--> 12.40 12.50





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056265.D

Acq: 12 Jun 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

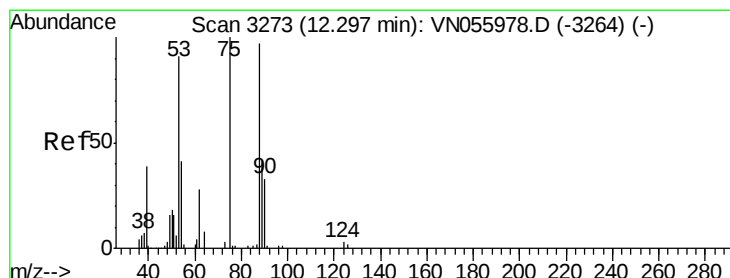
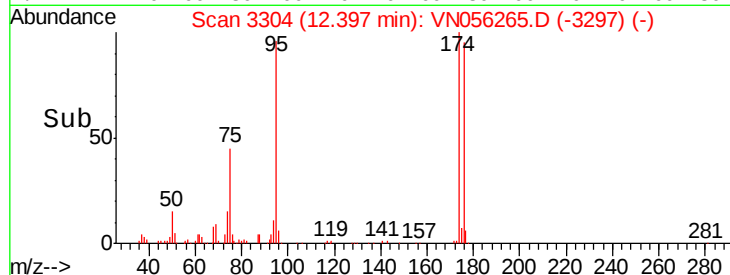
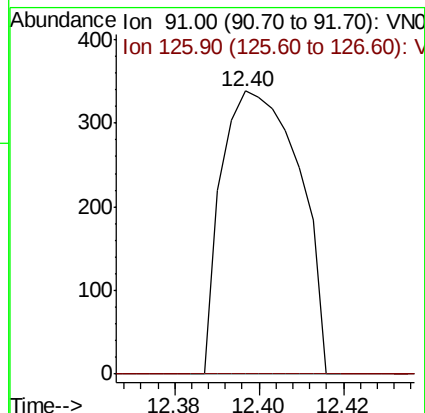
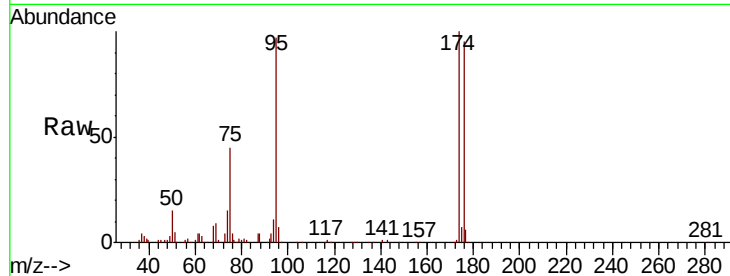
TT101D2-20190610DL

Tot Ion: 91 Resp: 431

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.588 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056265.D

Acq: 12 Jun 2019 21:48

Tgt Ion: 75 Resp: 83411

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

