

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056200.D
 Acq On : 11 Jun 2019 5:10
 Operator : JC/SP
 Sample : K3255-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D3-20190605

Quant Time: Jun 11 05:43:24 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	303487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	463635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	454263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144623	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	164592	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
35) Dibromofluoromethane	7.59	113	152433	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
50) Toluene-d8	10.09	98	608720	55.61	ug/l	0.00
Spiked Amount			Recovery	=	111.22%	
62) 4-Bromofluorobenzene	12.40	95	189635	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

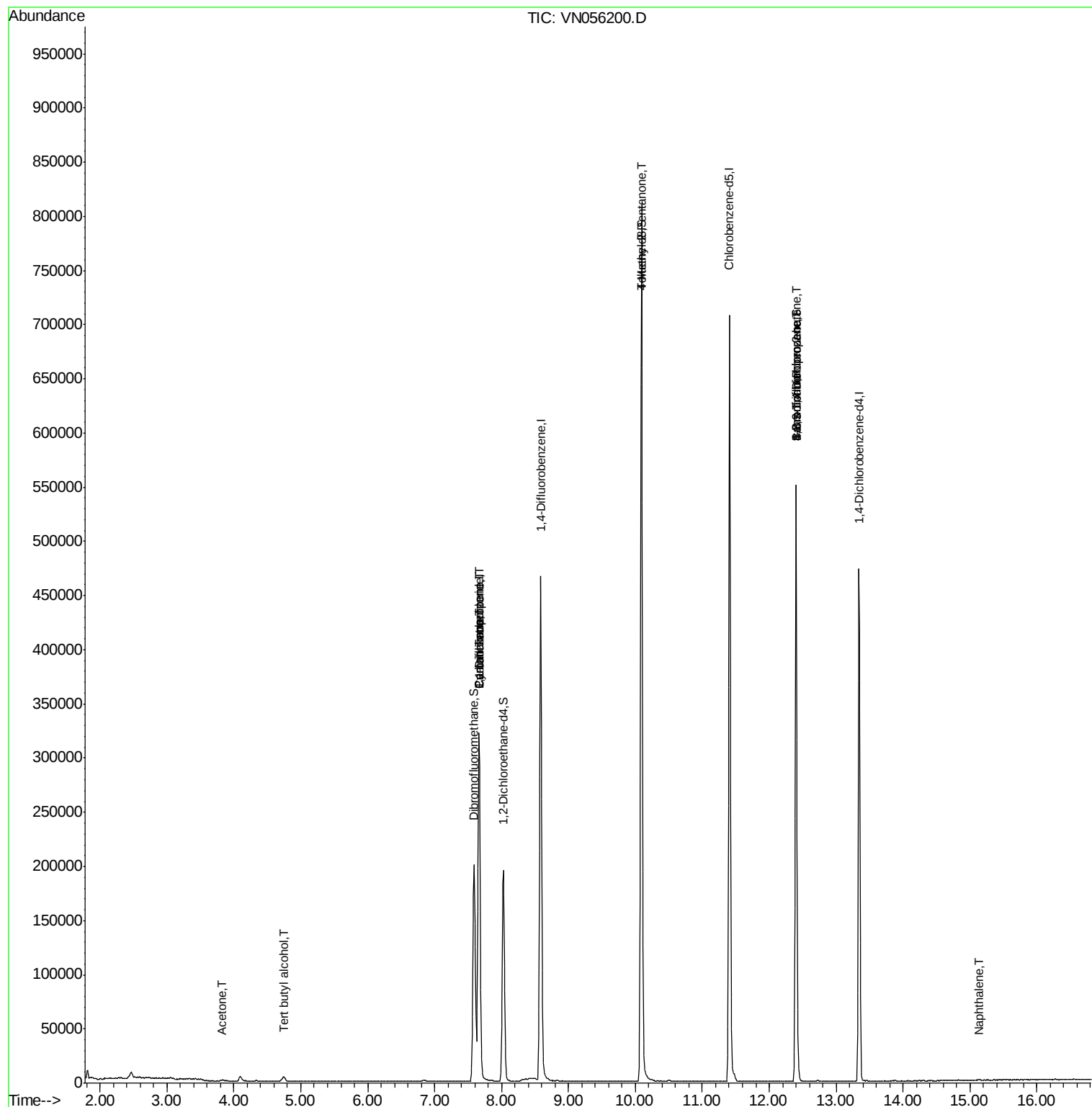
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	2713	5.174	ug/l #	74
16) Acetone	3.82	43	1063	0.738	ug/l #	88
31) Cyclohexane	7.67	56	4229	0.884	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17228	4.321	ug/l #	48
38) Carbon Tetrachloride	7.66	117	25170	6.848	ug/l #	15
51) 4-Methyl-2-Pentanone	10.09	43	2439	0.679	ug/l #	1
71) Bromoform	12.40	173	1343	3.226	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	88039	33.083	ug/l #	100
79) 2-Chlorotoluene	12.59	91	65	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	88039	110.174	ug/l #	15
95) Naphthalene	15.13	128	1679	4.075	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 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: VN056200.D

Acq: 11 Jun 2019 5:10

Instrument :

MSVOA_N

ClientSampleId :

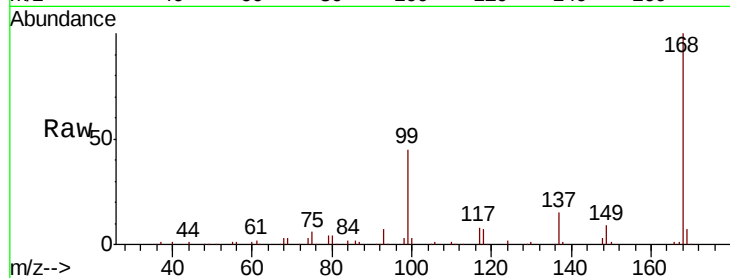
RE123D3-20190605

Tot Ion:168 Resp: 303487

Ion Ratio Lower Upper

168 100

99 44.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

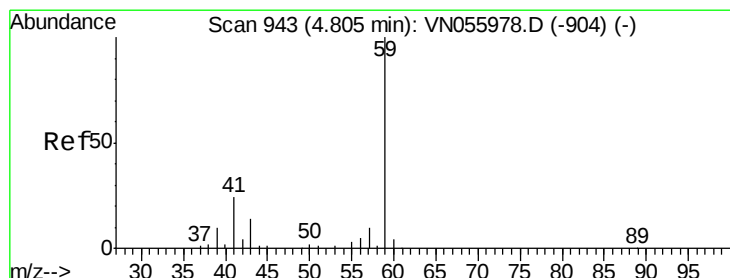
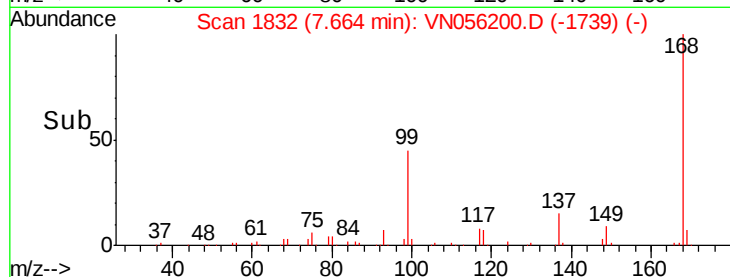
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.174 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN056200.D

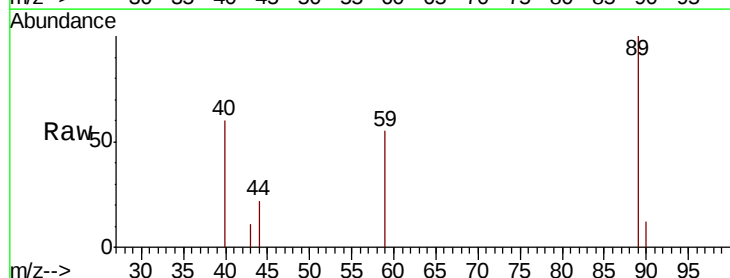
Acq: 11 Jun 2019 5:10

Tgt Ion: 59 Resp: 2713

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

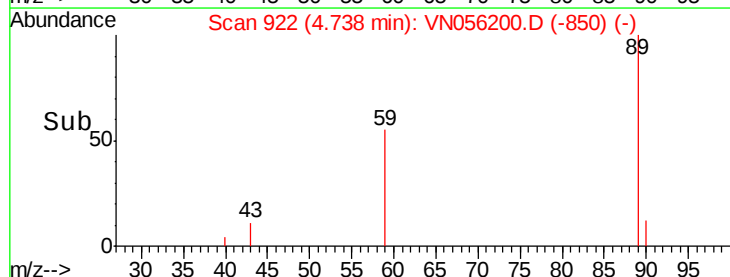
4.74

1000

500

0

Time-->





#16

Acetone

Concen: 0.738 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

Instrument :

MSVOA_N

ClientSampleId :

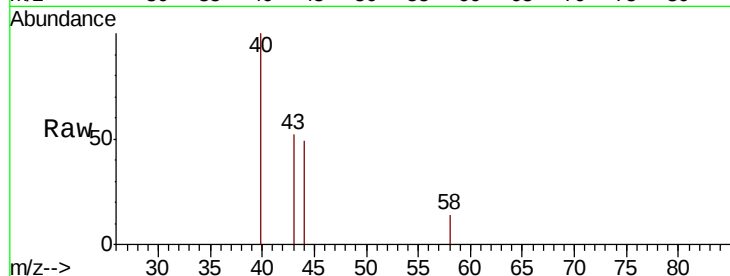
RE123D3-20190605

Tot Ion: 43 Resp: 1063

Ion Ratio Lower Upper

43 100

58 26.3 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800

600

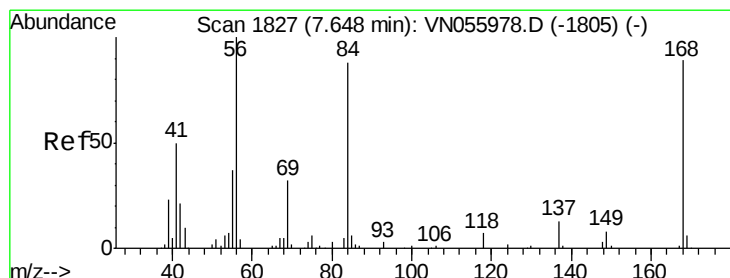
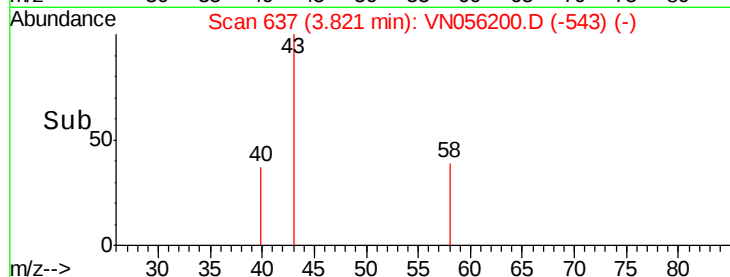
400

200

0

3.78 3.80 3.82

Time-->



#31

Cyclohexane

Concen: 0.884 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

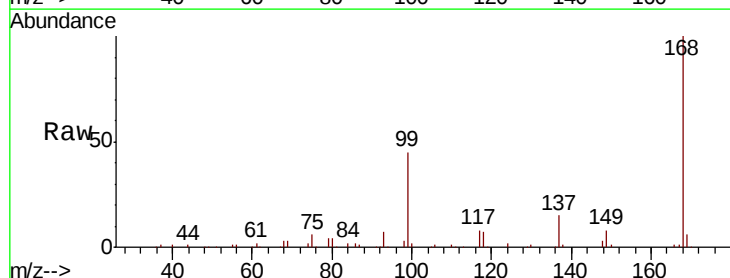
Tgt Ion: 56 Resp: 4229

Ion Ratio Lower Upper

56 100

69 218.0 25.6 38.4#

84 172.9 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

5000

4000

3000

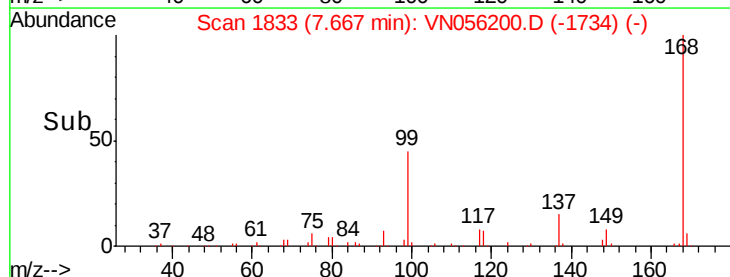
2000

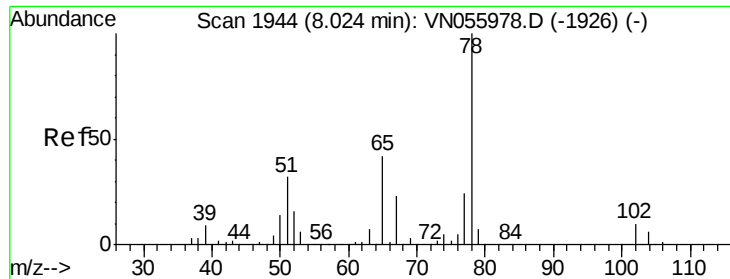
1000

0

7.60 7.65 7.70

Time-->

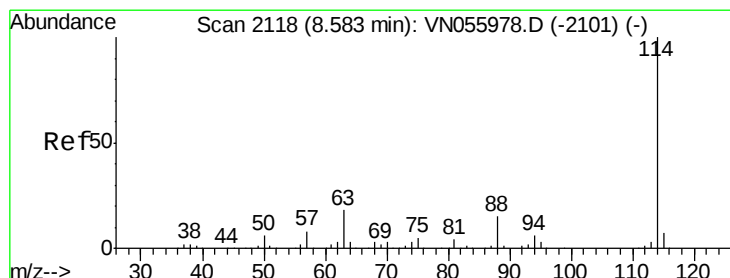
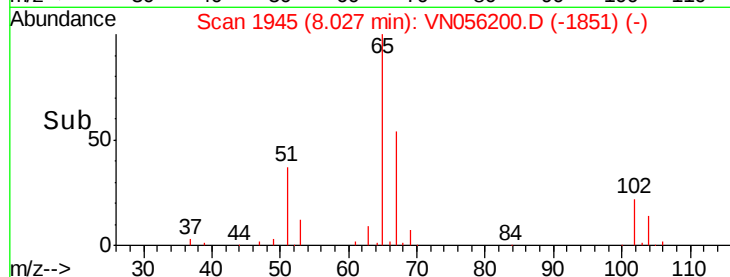
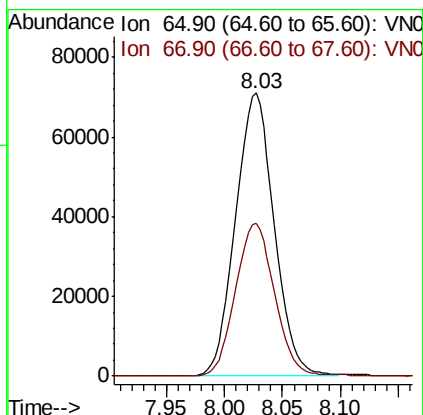
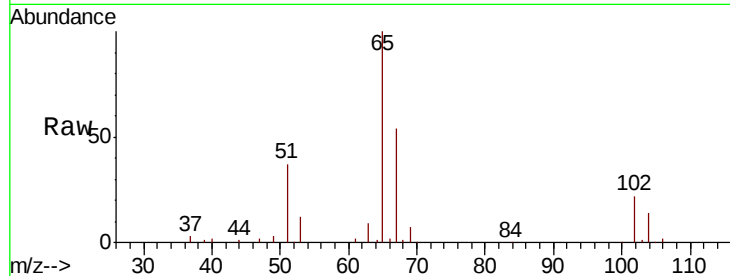




#33
 1,2-Dichloroethane-d4
 Concen: 54.621 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056200.D
 Acq: 11 Jun 2019 5:10

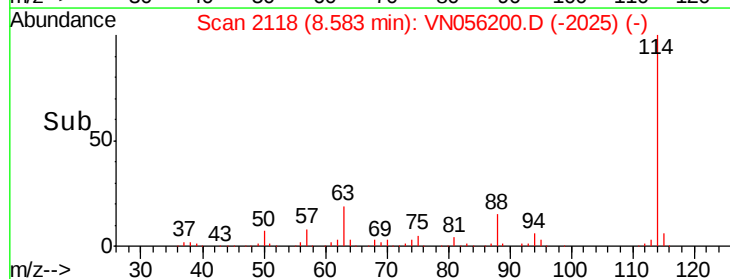
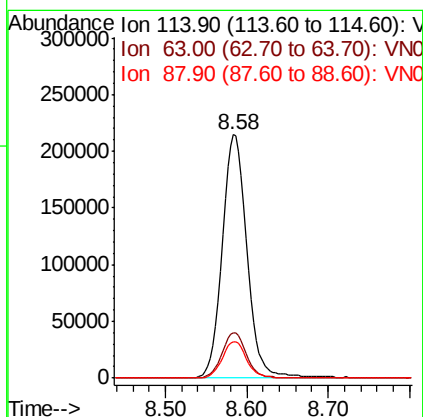
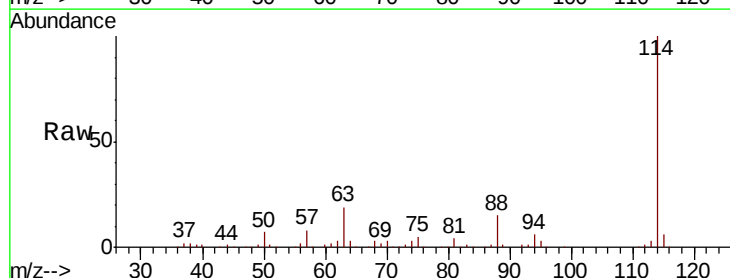
Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D3-20190605

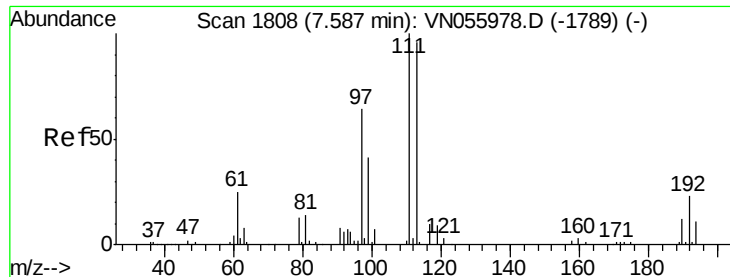
Tot Ion: 65 Resp: 164592
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056200.D
 Acq: 11 Jun 2019 5:10

Tgt Ion: 114 Resp: 463635
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 15.1 0.0 31.0

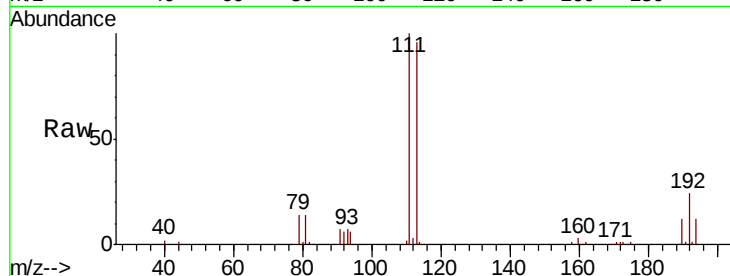




#35
 Dibromofluoromethane
 Concen: 53.588 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056200.D
 Acq: 11 Jun 2019 5:10

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D3-20190605

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	24.8	19.5	29.3

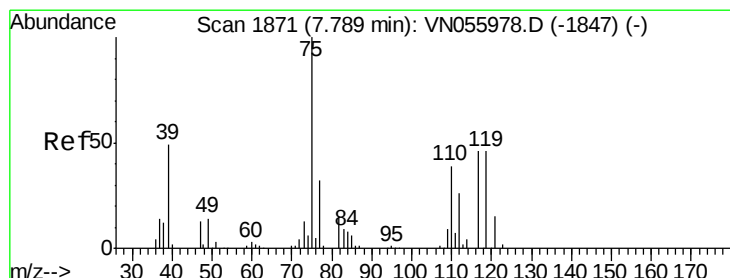
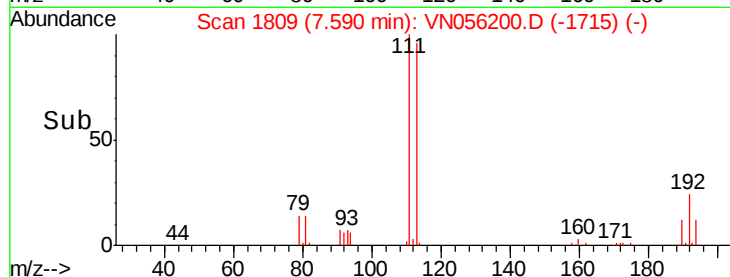
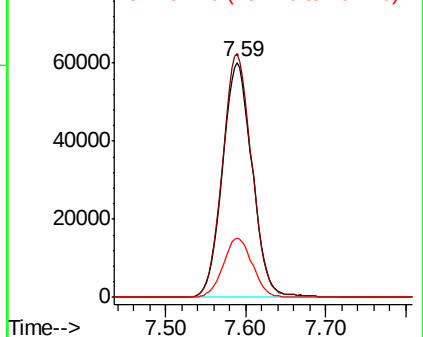


Abundance

Ion 112.80 (112.50 to 113.50): V

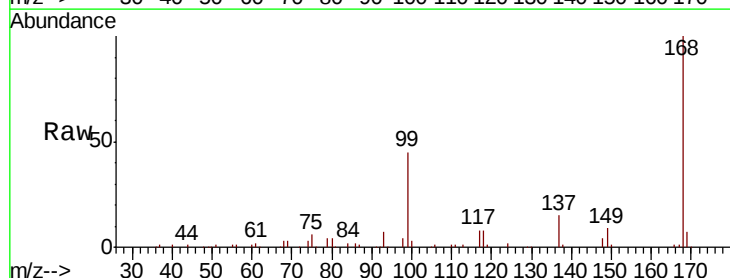
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.321 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056200.D
 Acq: 11 Jun 2019 5:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.0	57.0#
77	0.0	25.1	37.7#

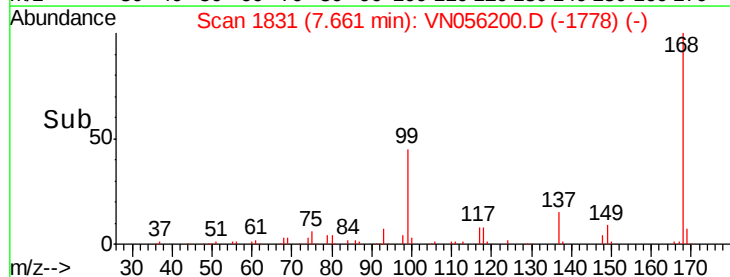
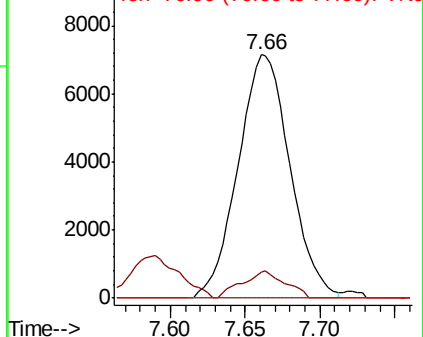


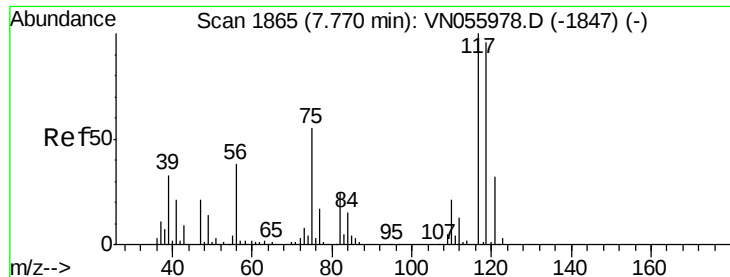
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.848 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

Instrument :

MSVOA_N

ClientSampleId :

RE123D3-20190605

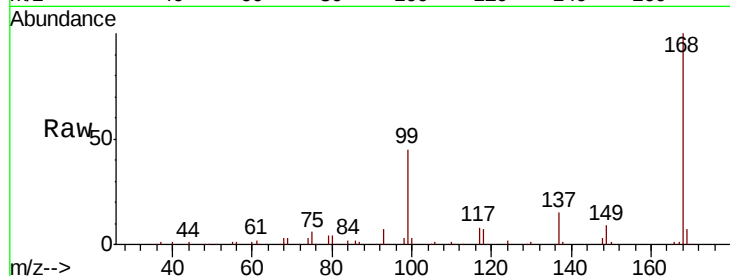
Tot Ion:117 Resp: 25170

Ion Ratio Lower Upper

117 100

119 6.1 79.0 118.6#

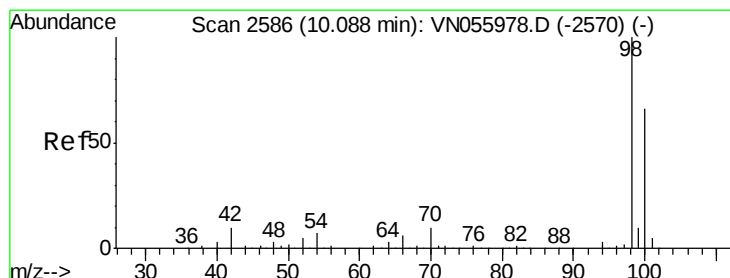
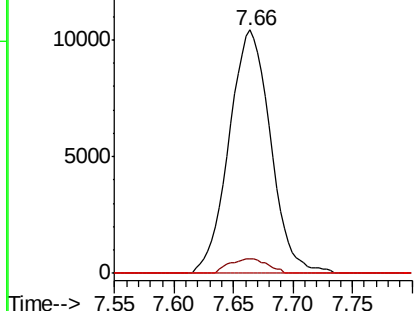
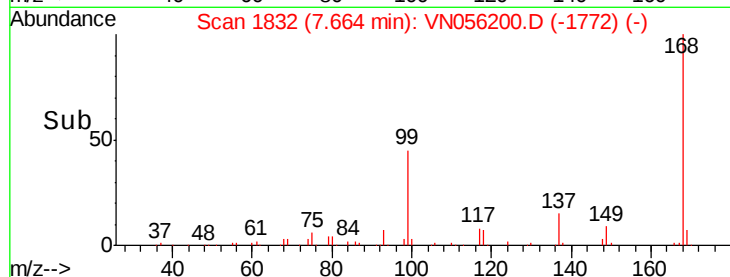
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 55.612 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056200.D

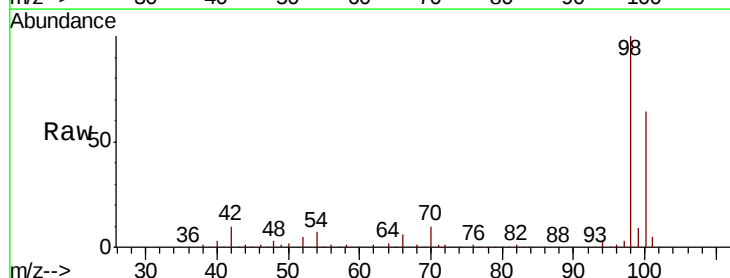
Acq: 11 Jun 2019 5:10

Tgt Ion: 98 Resp: 608720

Ion Ratio Lower Upper

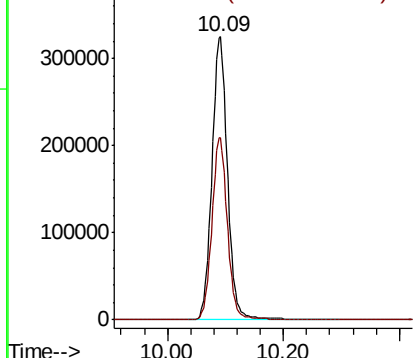
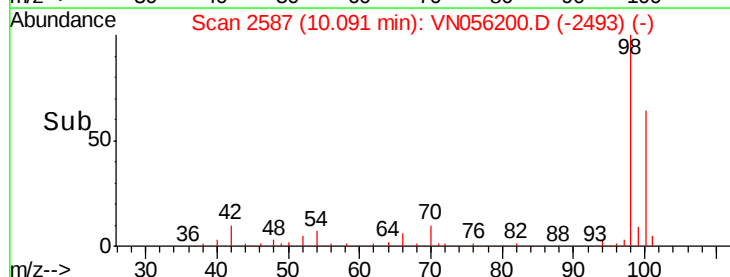
98 100

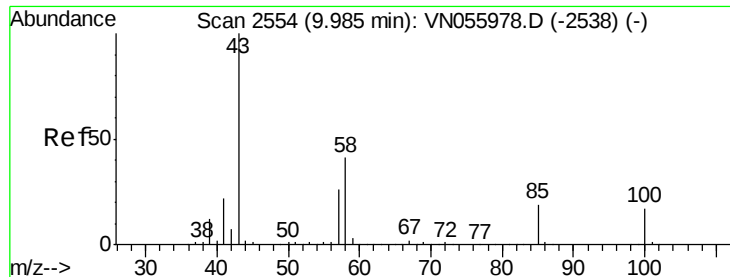
100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.679 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

Instrument :

MSVOA_N

ClientSampleId :

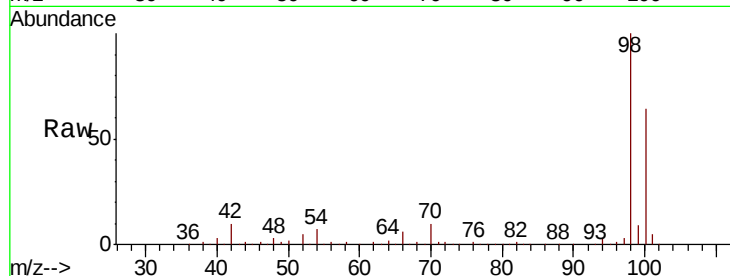
RE123D3-20190605

Tot Ion: 43 Resp: 2439

Ion Ratio Lower Upper

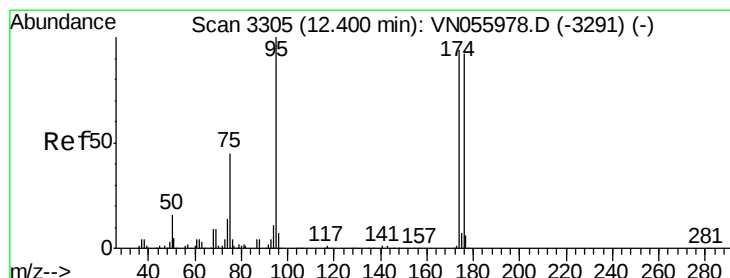
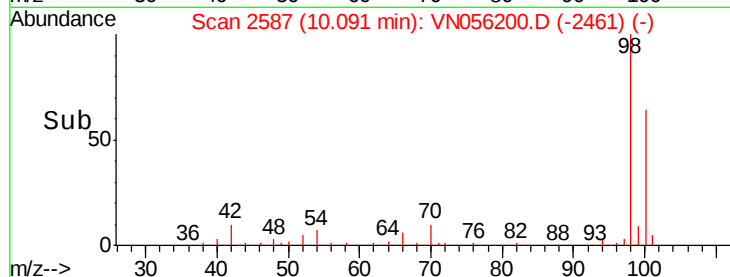
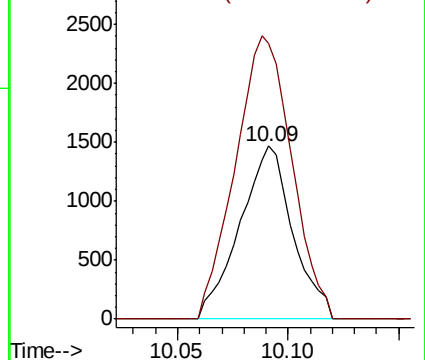
43 100

58 174.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 50.944 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

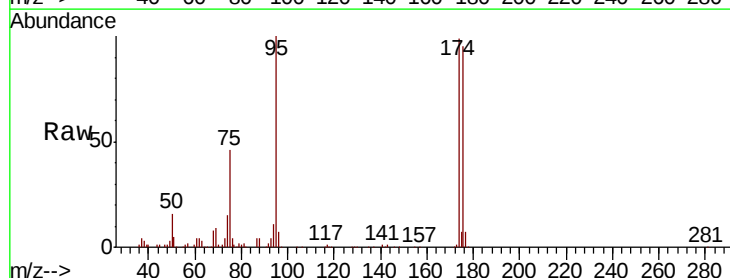
Tgt Ion: 95 Resp: 189635

Ion Ratio Lower Upper

95 100

174 100.3 0.0 191.0

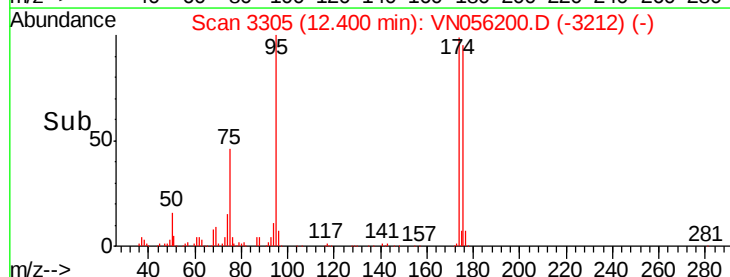
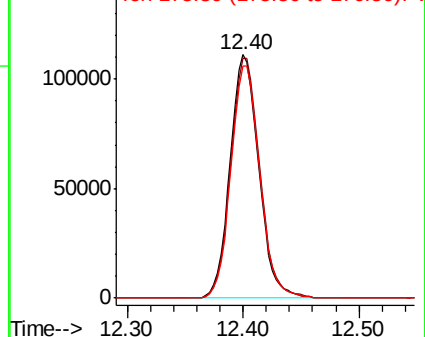
176 96.3 0.0 185.2

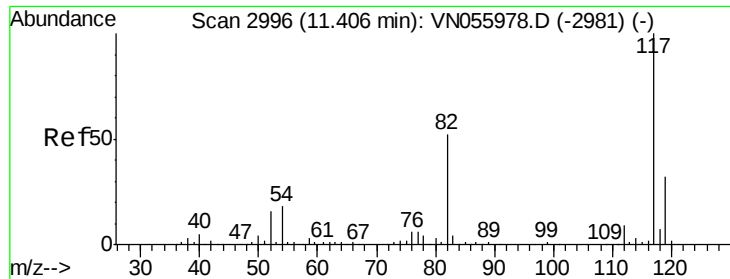


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

Instrument :

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RE123D3-20190605

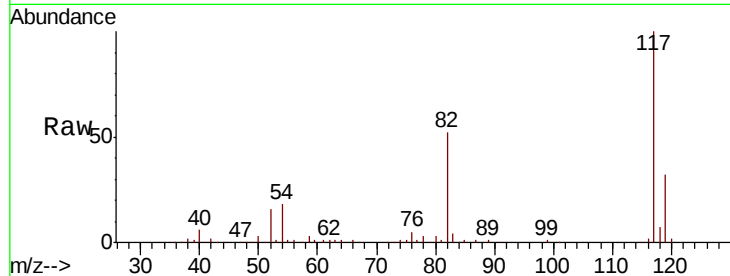
Tot Ion:117 Resp: 454263

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

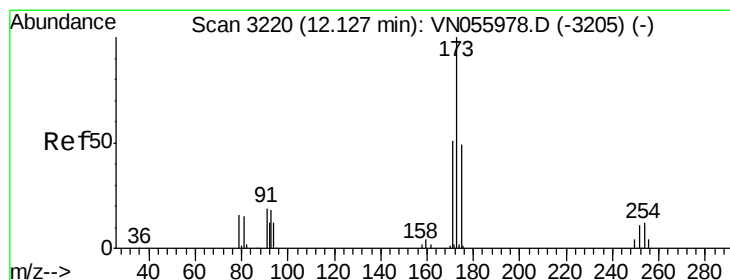
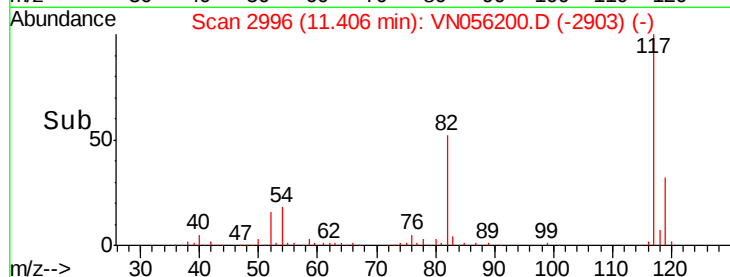
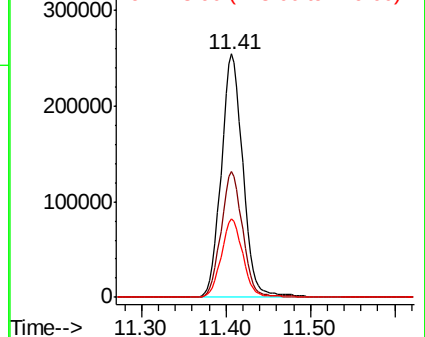
119 32.2 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 3.226 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

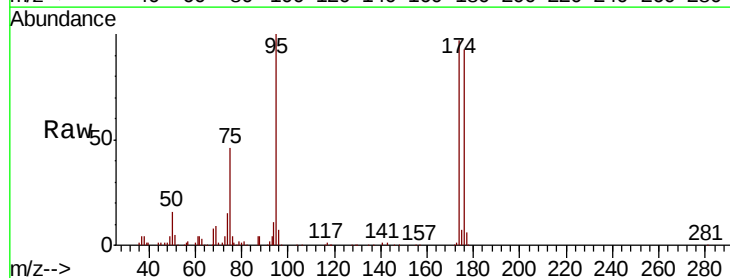
Tgt Ion:173 Resp: 1343

Ion Ratio Lower Upper

173 100

175 845.4 24.3 72.8#

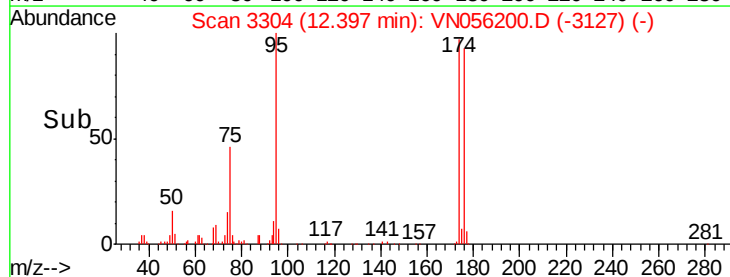
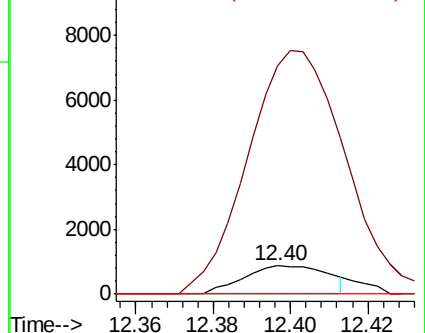
254 0.0 0.0 0.0

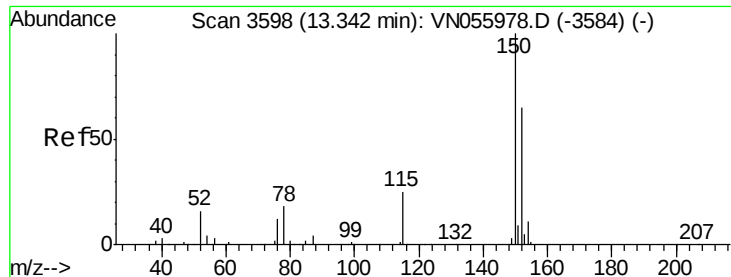


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

Instrument :

MSVOA_N

ClientSampleId :

RE123D3-20190605

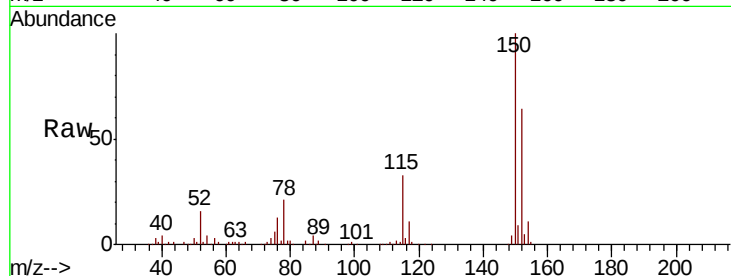
Tot Ion:152 Resp: 144623

Ion Ratio Lower Upper

152 100

115 51.2 27.0 81.0

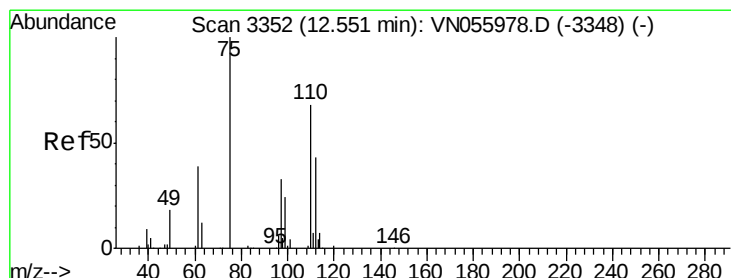
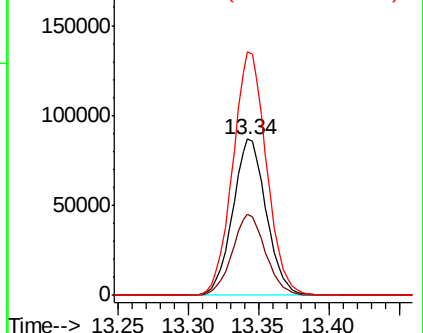
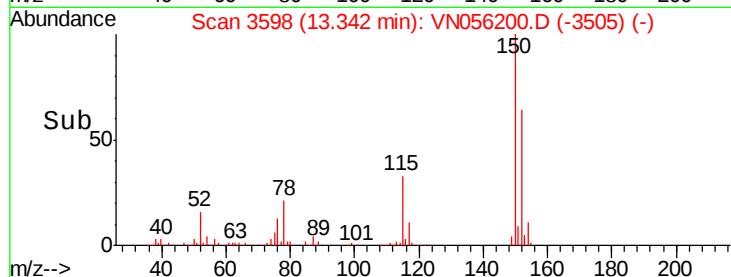
150 156.7 0.0 343.2



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: 33.083 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056200.D

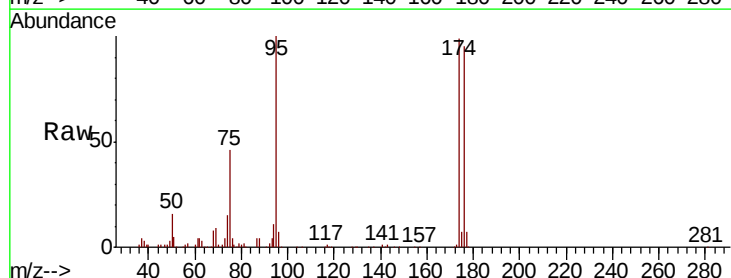
Acq: 11 Jun 2019 5:10

Tgt Ion: 75 Resp: 88039

Ion Ratio Lower Upper

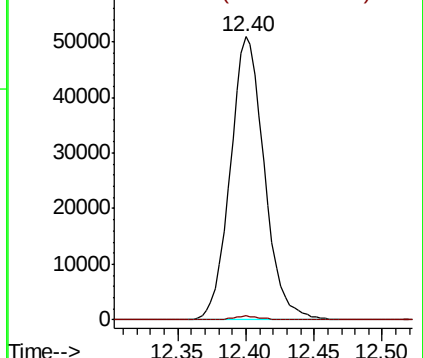
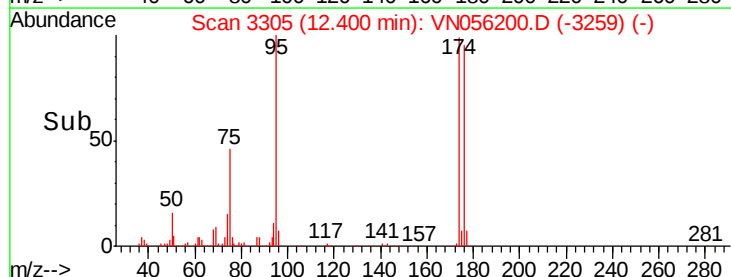
75 100

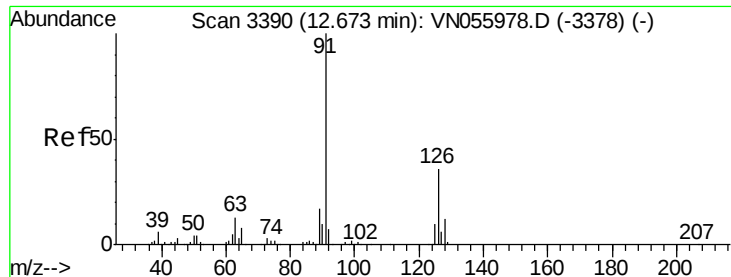
77 1.1 0.0 0.0#



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: 12.59 min Scan# 3363

Delta R.T. -0.09 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

Instrument :

MSVOA_N

ClientSampleId :

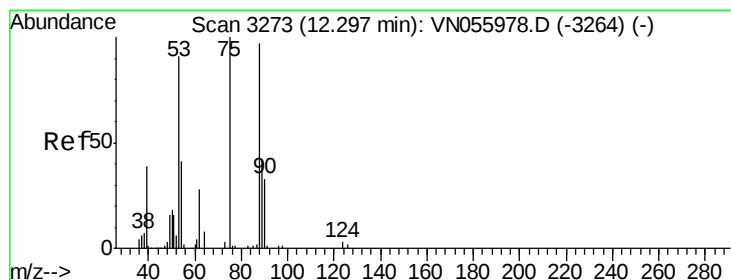
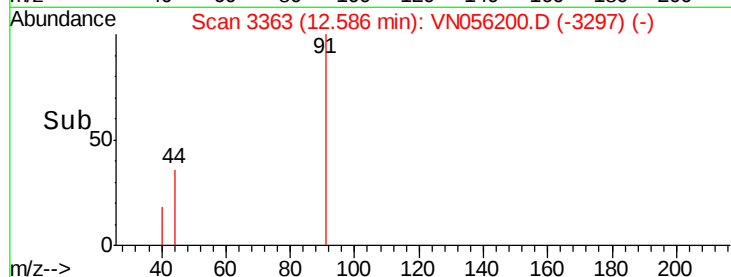
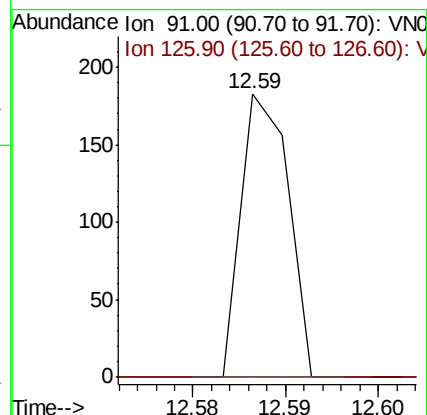
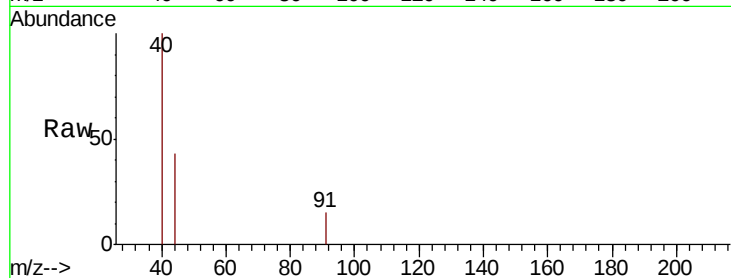
RE123D3-20190605

Tot Ion: 91 Resp: 65

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.174 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056200.D

Acq: 11 Jun 2019 5:10

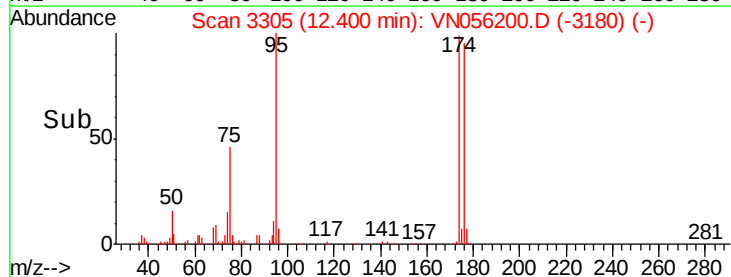
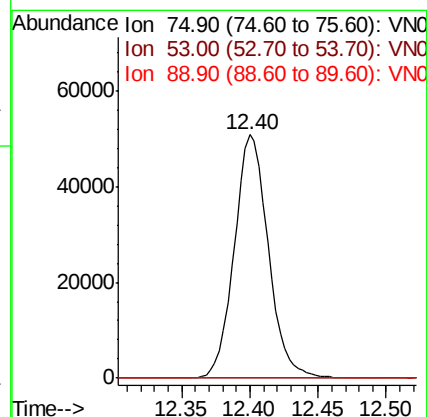
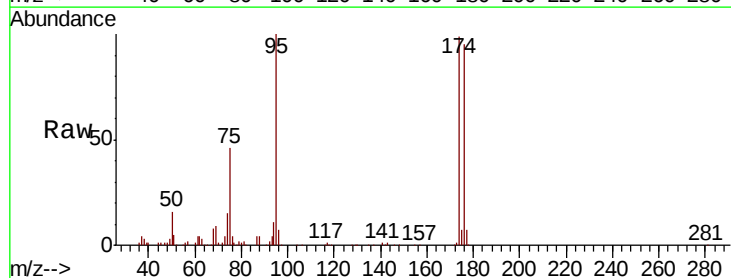
Tgt Ion: 75 Resp: 88039

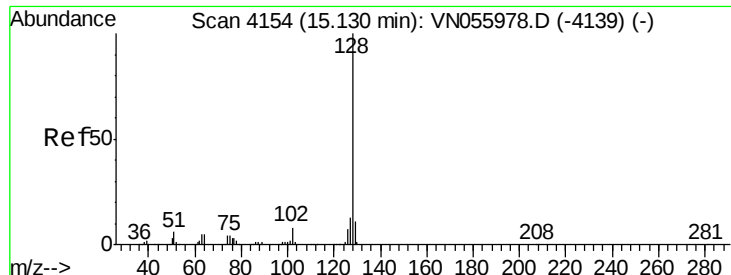
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 4.075 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056200.D

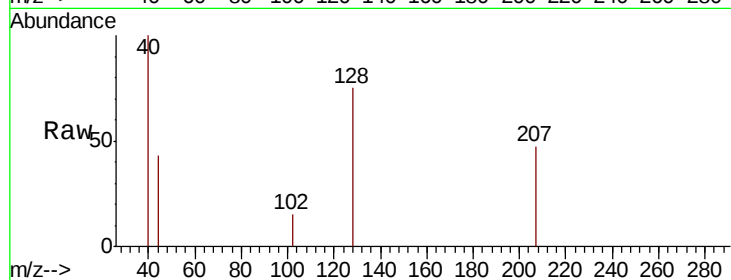
Acq: 11 Jun 2019 5:10

Instrument :

MSVOA_N

ClientSampleId :

RE123D3-20190605



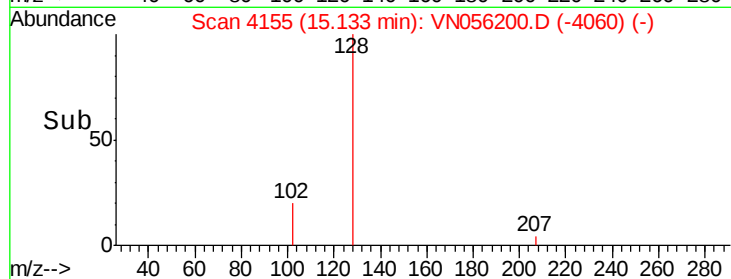
Tot Ion:128 Resp: 1679

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

