

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056788.D
 Acq On : 17 Jul 2019 11:51
 Operator : JC/SP
 Sample : K3847-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3D

Quant Time: Jul 18 01:04:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	260326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	459781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	169193	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	151151	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
35) Dibromofluoromethane	7.59	113	139339	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	10.09	98	583806	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.40	95	207610	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	

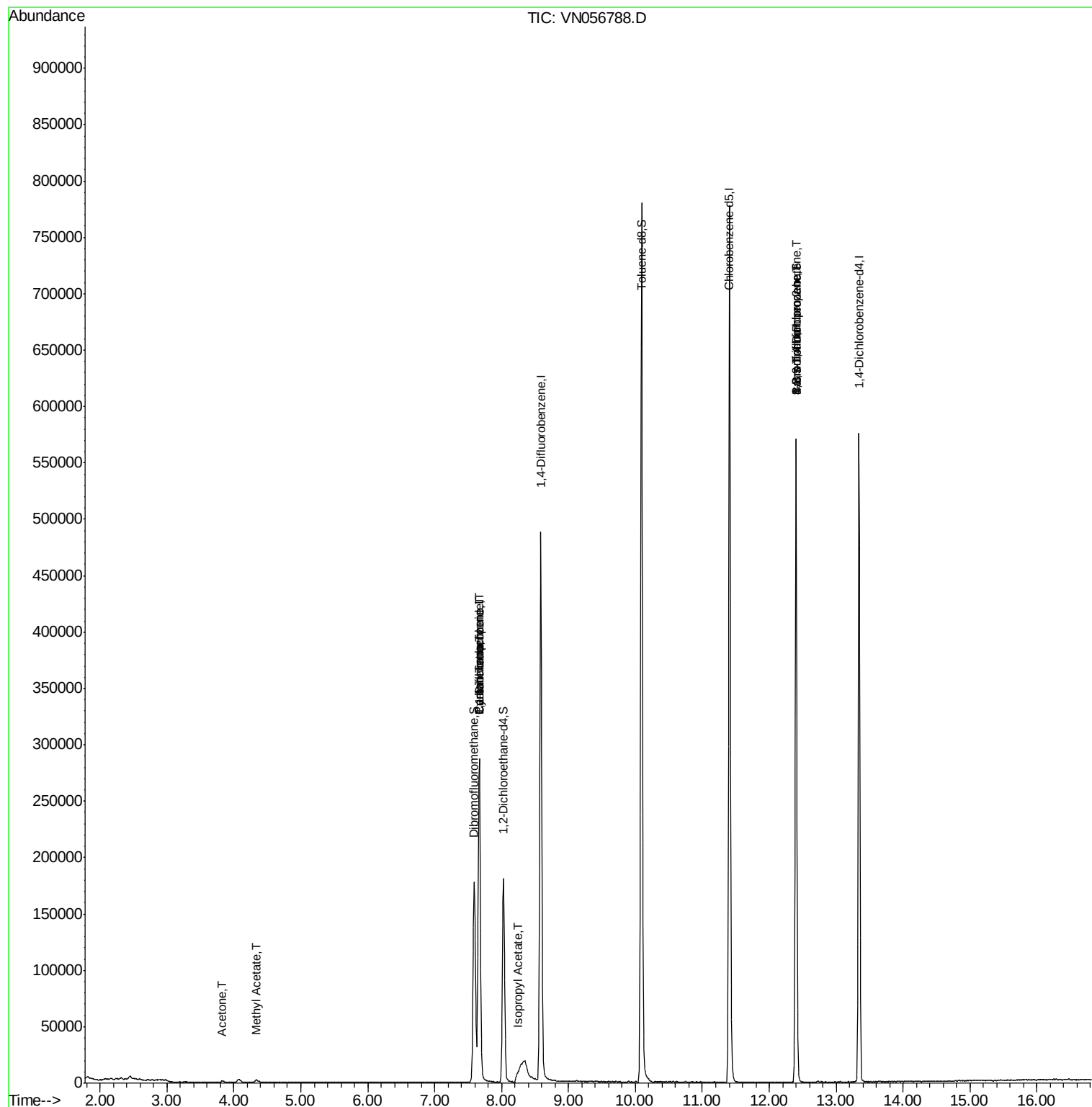
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	2661	2.005	ug/l #	88
18) Methyl Acetate	4.34	43	4570	0.571	ug/l #	72
31) Cyclohexane	7.67	56	4235	0.920	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	16934	3.980	ug/l #	44
38) Carbon Tetrachloride	7.66	117	22678	5.684	ug/l #	15
43) Isopropyl Acetate	8.23	43	4387	0.665	ug/l #	53
71) Bromoform	12.40	173	1705	0.612	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	95430	25.788	ug/l #	100
79) 2-Chlorotoluene	12.40	91	544	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	95430	79.643	ug/l #	13

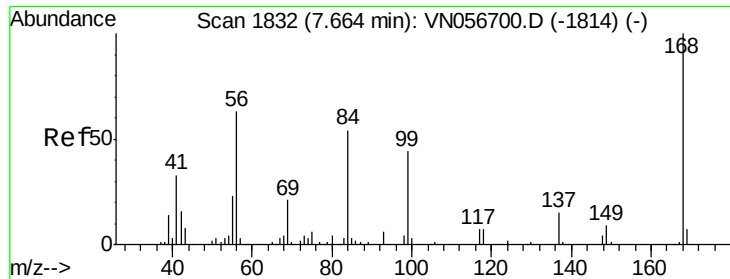
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056788.D

Acq: 17 Jul 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

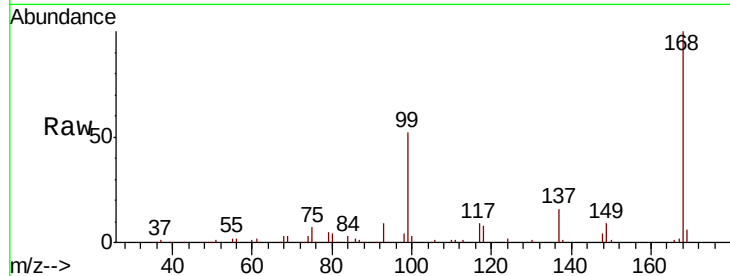
MW-3D

Tot Ion:168 Resp: 260326

Ion Ratio Lower Upper

168 100

99 51.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

120000

100000

80000

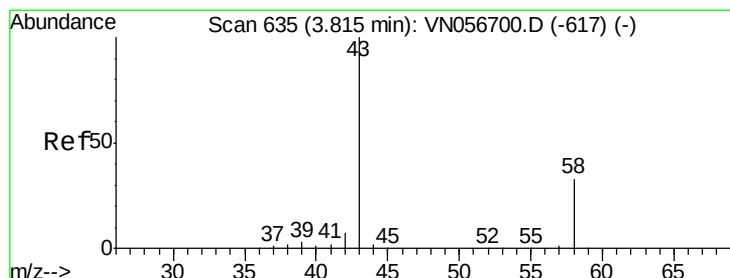
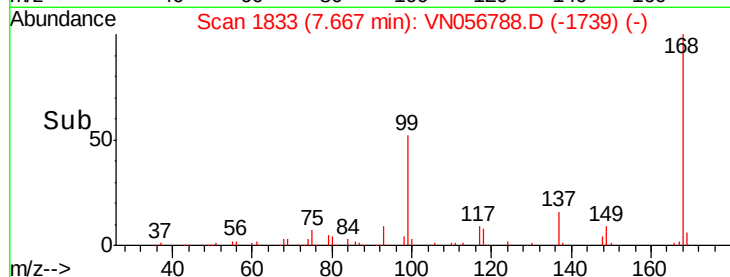
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 2.005 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN056788.D

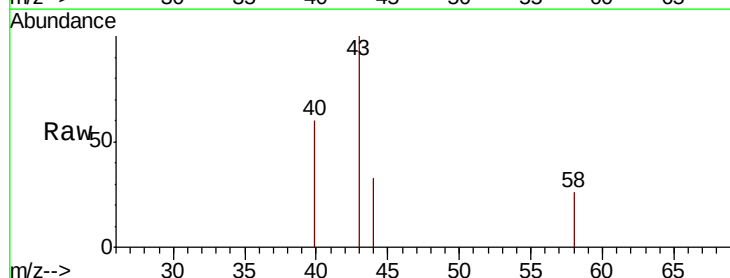
Acq: 17 Jul 2019 11:51

Tgt Ion: 43 Resp: 2661

Ion Ratio Lower Upper

43 100

58 26.4 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

1000

800

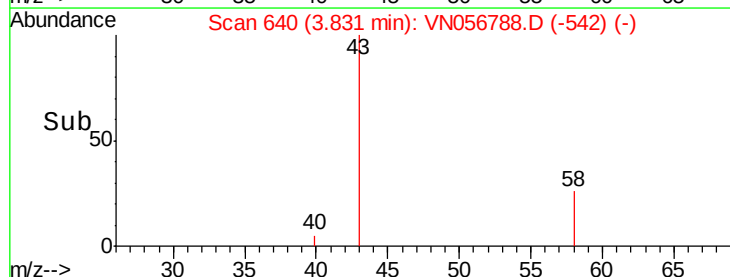
600

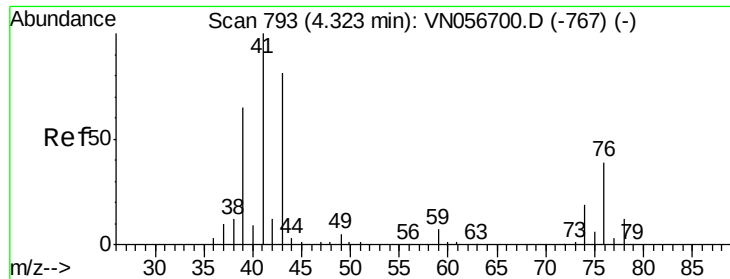
400

200

0

Time-->

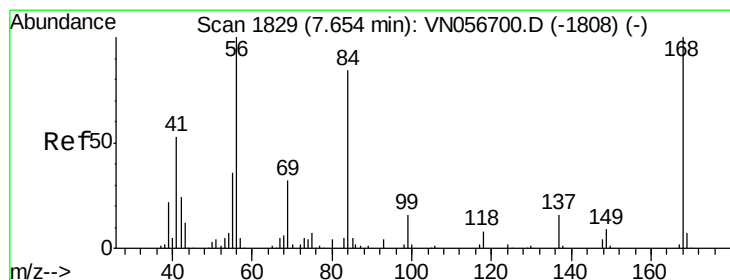
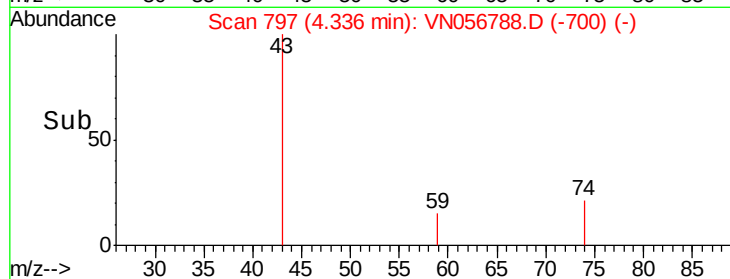
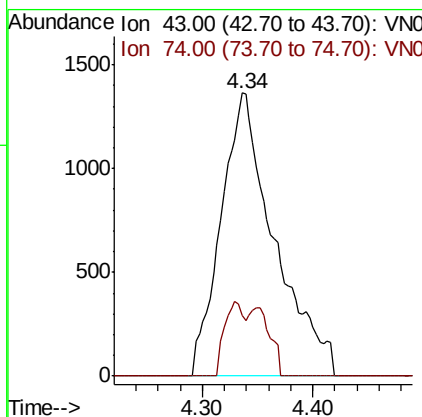
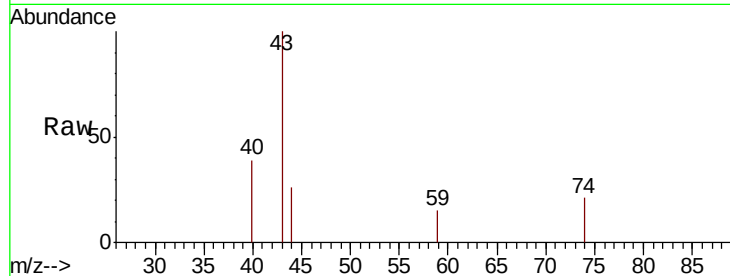




#18
Methvl Acetate
Concen: 0.571 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056788.D
Acq: 17 Jul 2019 11:51

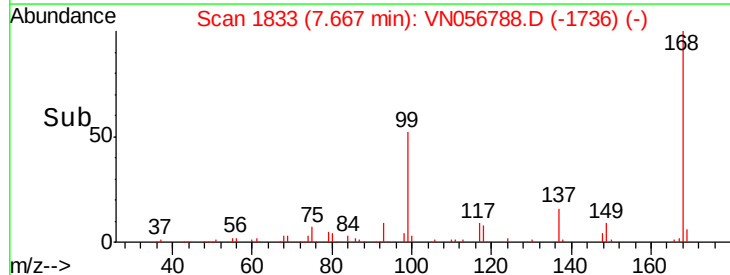
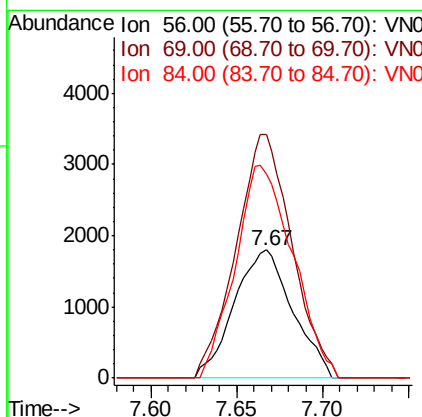
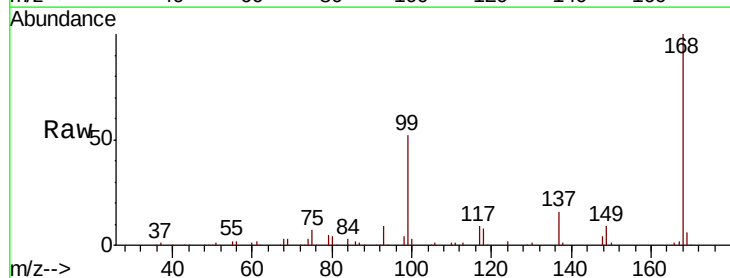
Instrument :
MSVOA_N
ClientSampled :
MW-3D

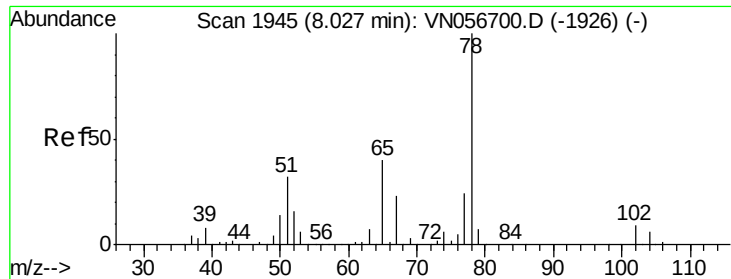
Tot Ion: 43 Resp: 4570
Ion Ratio Lower Upper
43 100
74 9.7 18.9 28.3#



#31
Cyclohexane
Concen: 0.920 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN056788.D
Acq: 17 Jul 2019 11:51

Tgt Ion: 56 Resp: 4235
Ion Ratio Lower Upper
56 100
69 190.1 25.8 38.8#
84 159.3 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 52.491 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056788.D

Acq: 17 Jul 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

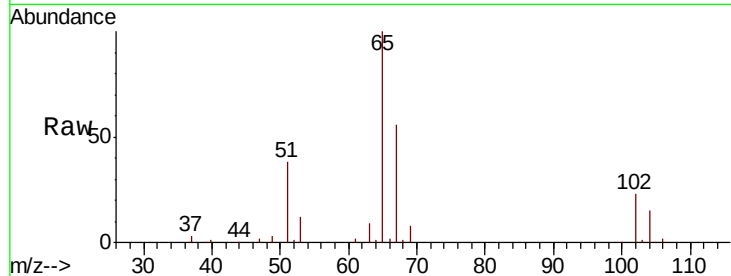
MW-3D

Tot Ion: 65 Resp: 151151

Ion Ratio Lower Upper

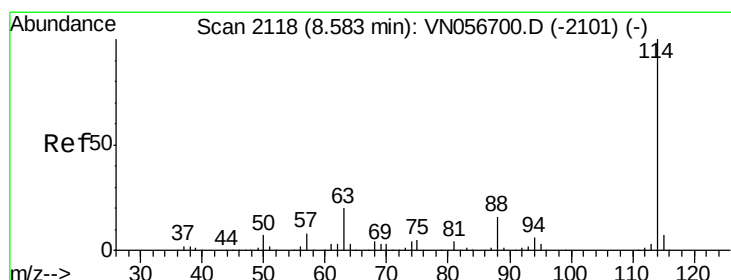
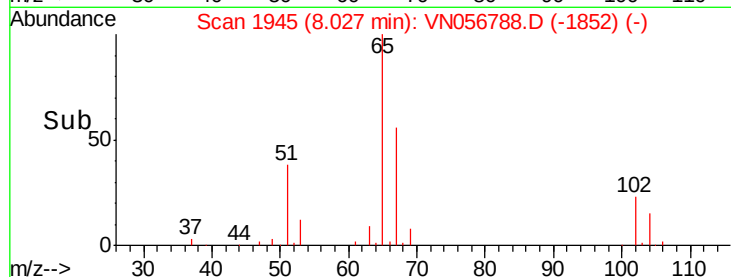
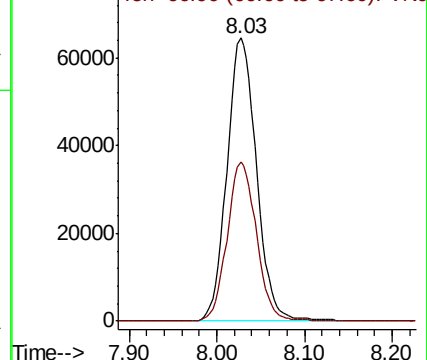
65 100

67 55.7 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN056788.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN056788.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056788.D

Acq: 17 Jul 2019 11:51

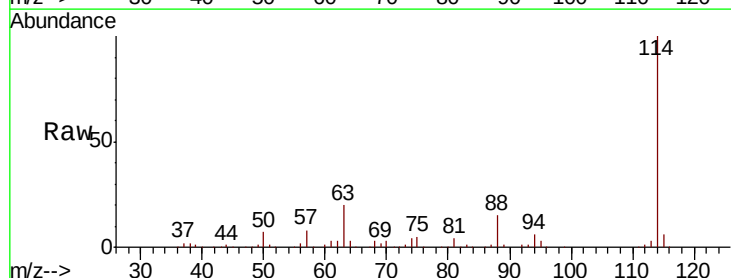
Tgt Ion: 114 Resp: 459781

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

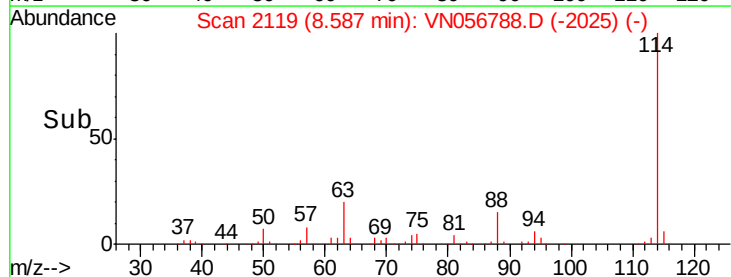
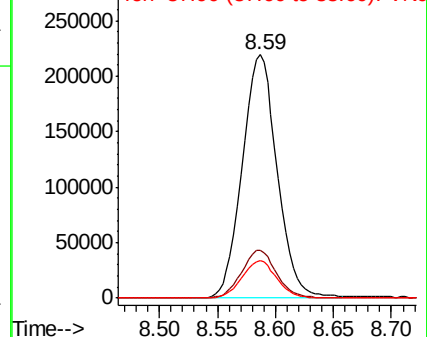
88 15.2 0.0 31.2

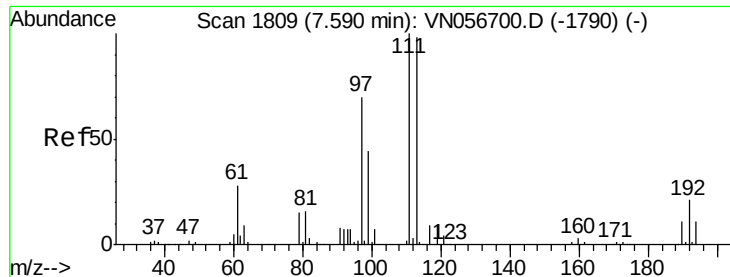


Abundance Ion 113.90 (113.60 to 114.60): VN056788.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN056788.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN056788.D (-2025) (-)





#35

Dibromofluoromethane

Concen: 48.698 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056788.D

Acq: 17 Jul 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

MW-3D

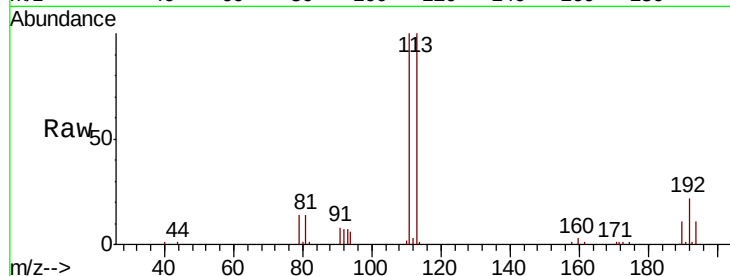
Tot Ion:113 Resp: 139339

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

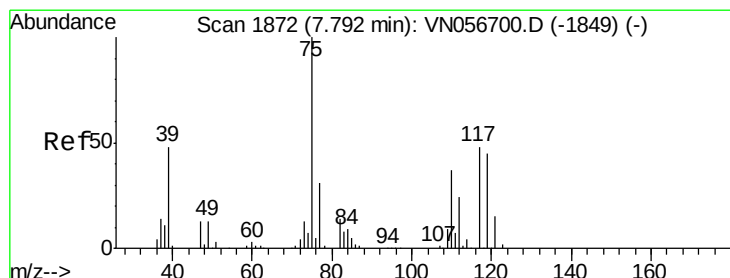
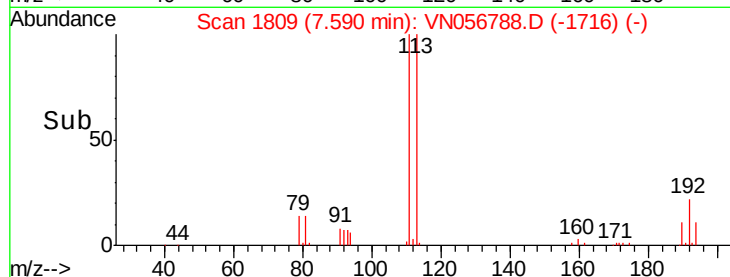
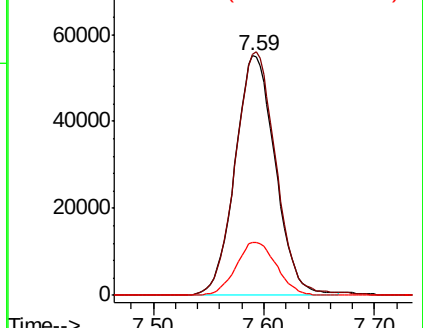
192 22.3 17.5 26.3



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: 3.980 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN056788.D

Acq: 17 Jul 2019 11:51

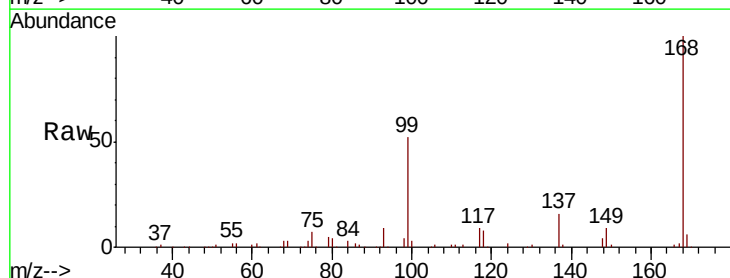
Tgt Ion: 75 Resp: 16934

Ion Ratio Lower Upper

75 100

110 4.1 18.4 55.4#

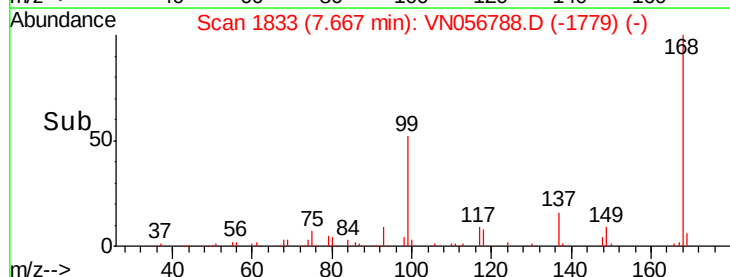
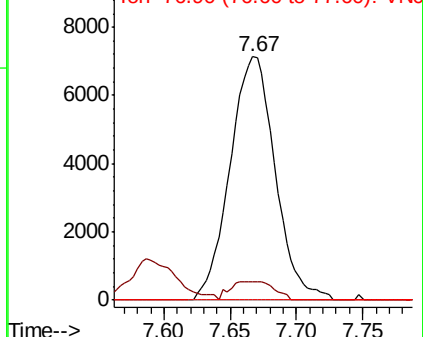
77 0.0 24.6 36.8#

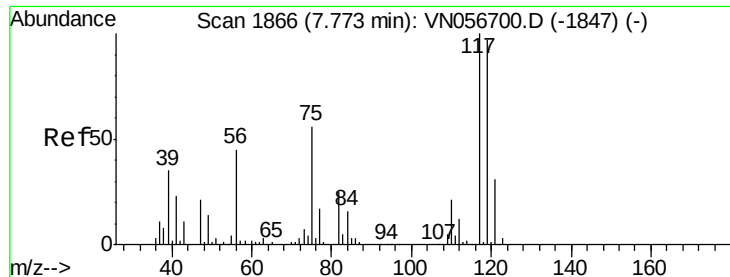


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

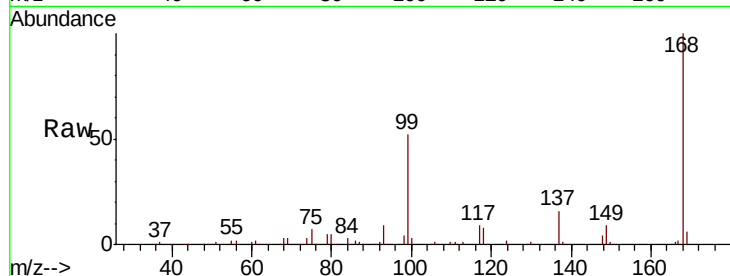




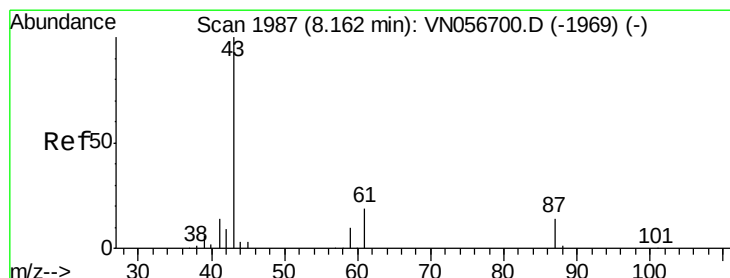
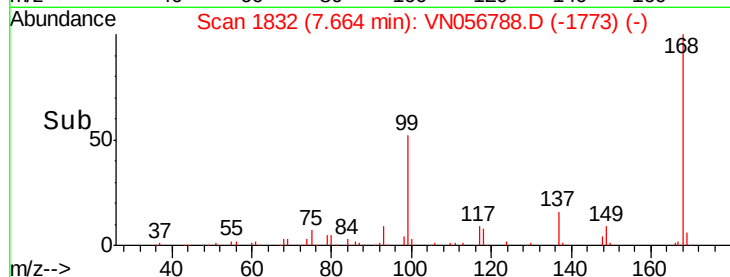
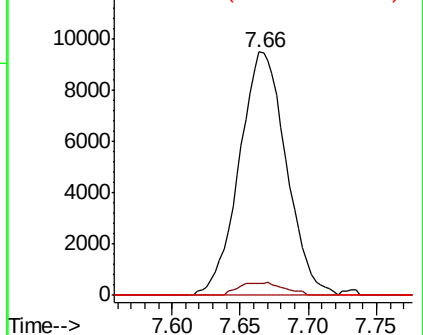
#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056788.D
Acq: 17 Jul 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
MW-3D

Tot Ion:117 Resp: 22678
Ion Ratio Lower Upper
117 100
119 4.8 77.5 116.3#
121 0.0 24.7 37.1#

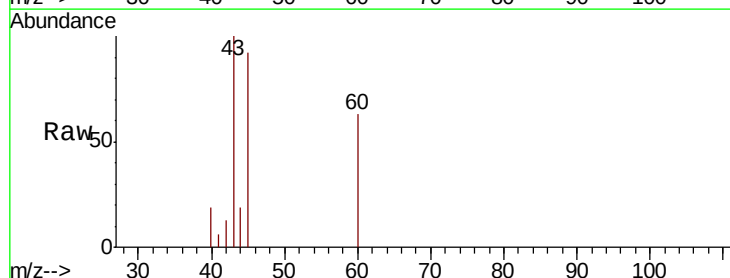


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

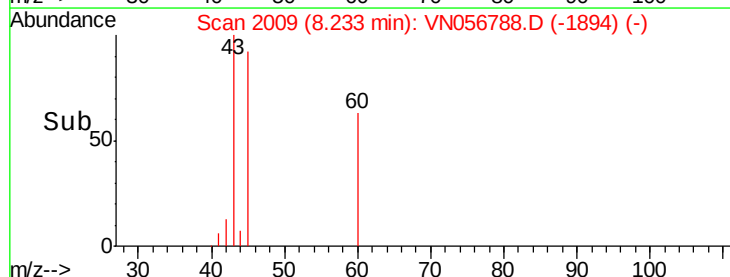
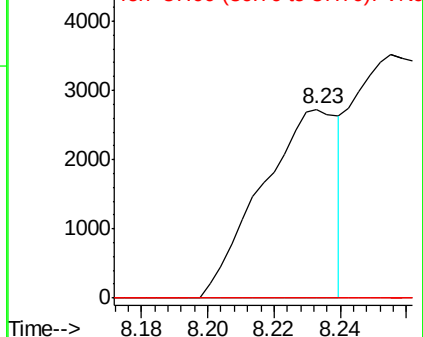


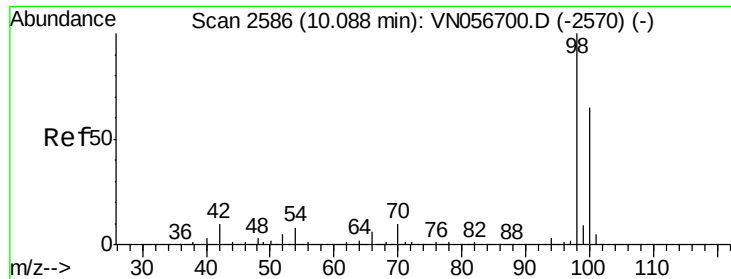
#43
Isopropyl Acetate
Concen: 0.665 ug/l
RT: 8.23 min Scan# 2009
Delta R.T. 0.07 min
Lab File: VN056788.D
Acq: 17 Jul 2019 11:51

Tgt Ion: 43 Resp: 4387
Ion Ratio Lower Upper
43 100
61 0.0 22.3 33.5#
87 0.0 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

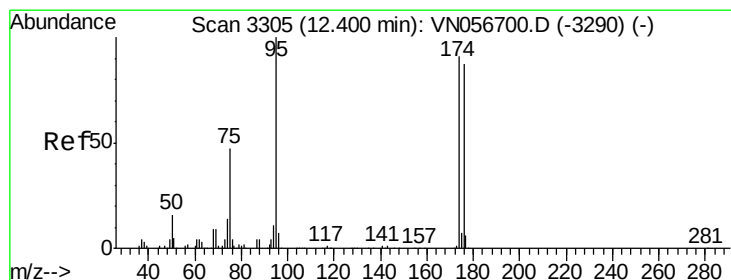
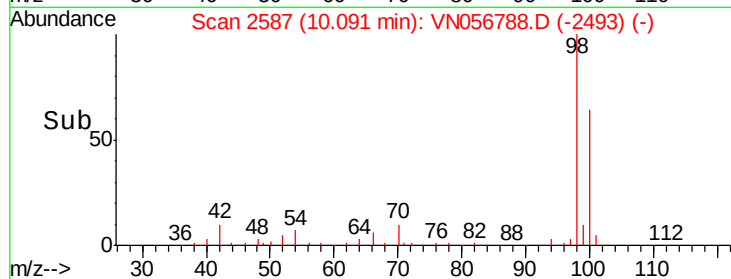
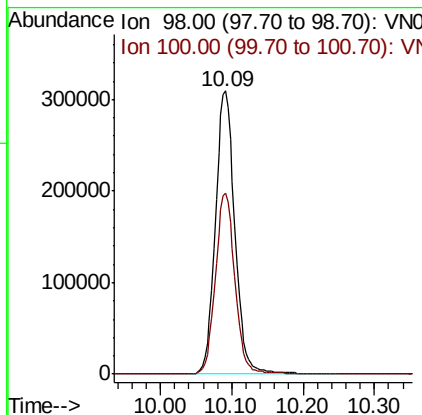
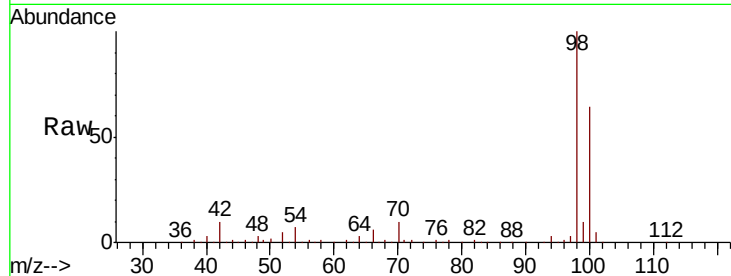




#50
Toluene-d8
Concen: 52.828 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056788.D
Acq: 17 Jul 2019 11:51

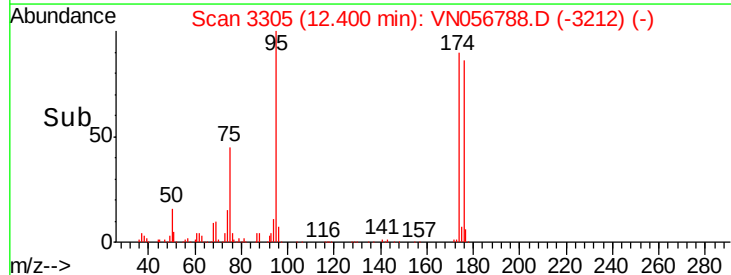
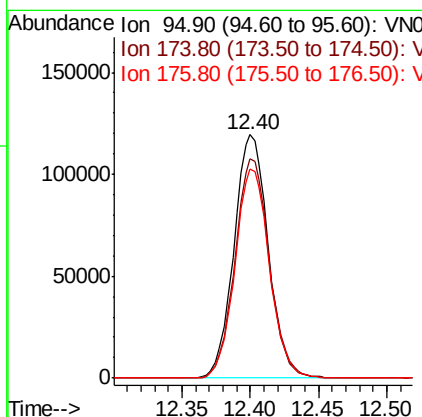
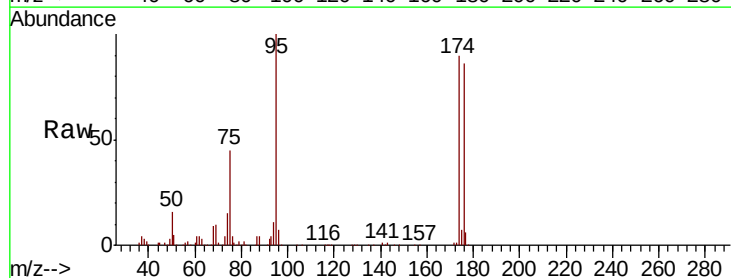
Instrument :
MSVOA_N
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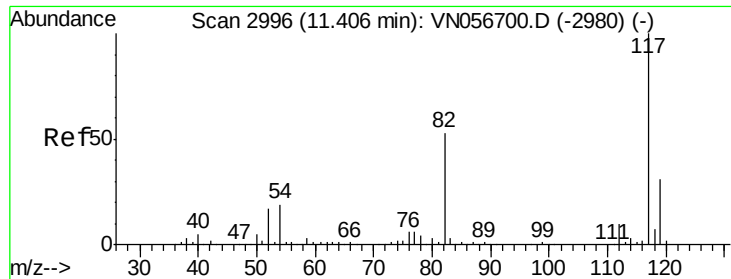
Tot Ion: 98 Resp: 583806
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 55.708 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056788.D
Acq: 17 Jul 2019 11:51

Tgt Ion: 95 Resp: 207610
Ion Ratio Lower Upper
95 100
174 90.5 0.0 180.0
176 86.5 0.0 173.2

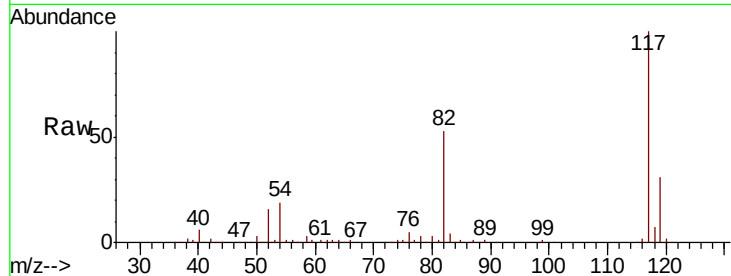




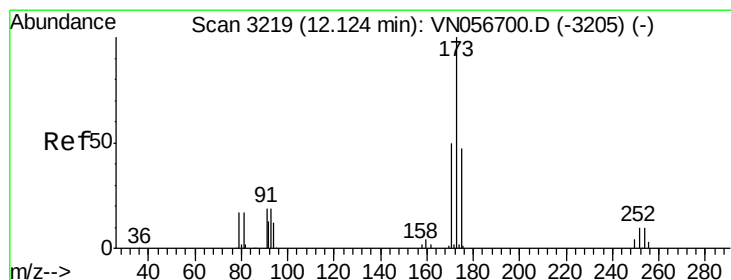
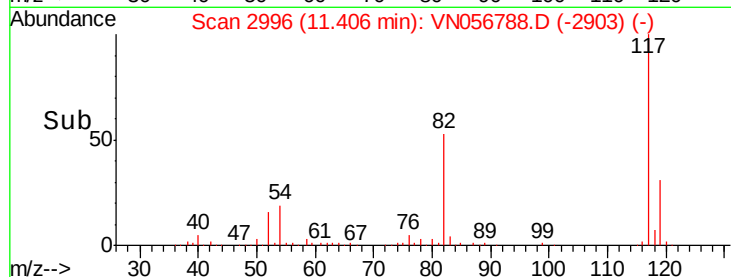
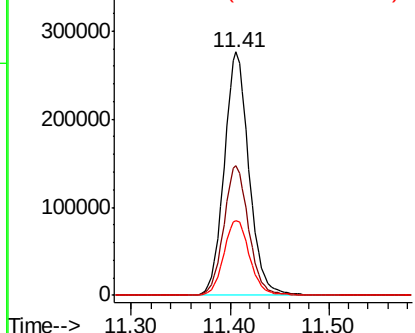
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056788.D
Acq: 17 Jul 2019 11:51

Instrument :
MSVOA_N
ClientSampled :
MW-3D

Tot Ion:117 Resp: 486469
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.2
119 30.9 25.2 37.8

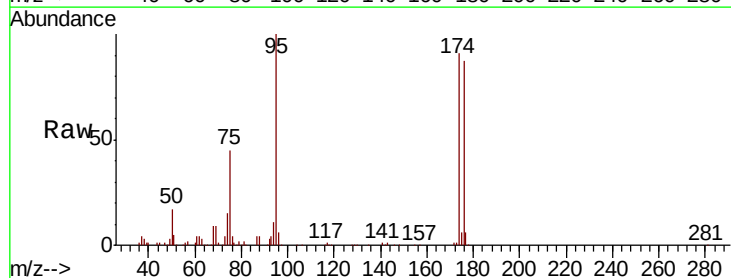


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

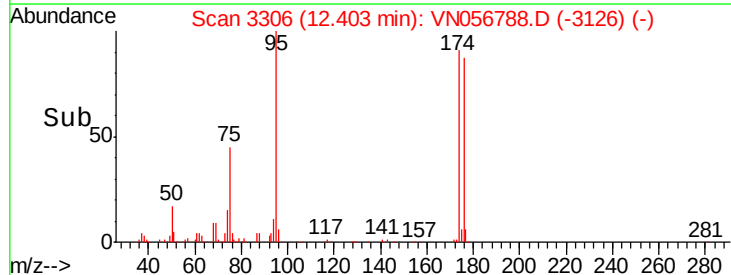
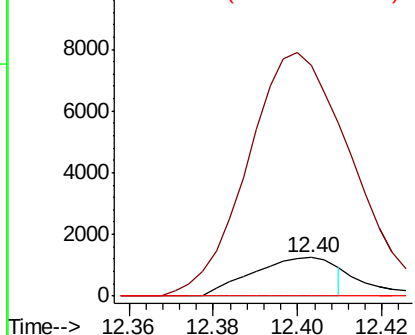


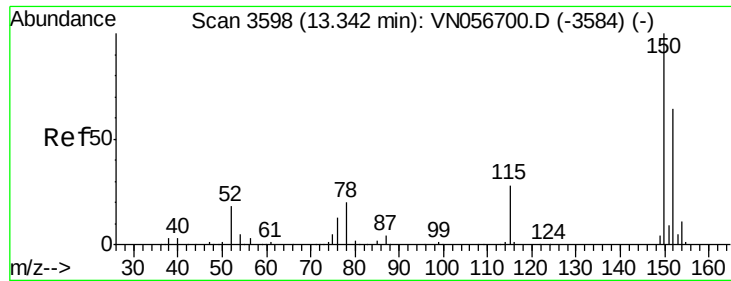
#71
Bromoform
Concen: 0.612 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056788.D
Acq: 17 Jul 2019 11:51

Tgt Ion:173 Resp: 1705
Ion Ratio Lower Upper
173 100
175 641.8 23.8 71.4#
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: VN056788.D

Acq: 17 Jul 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

MW-3D

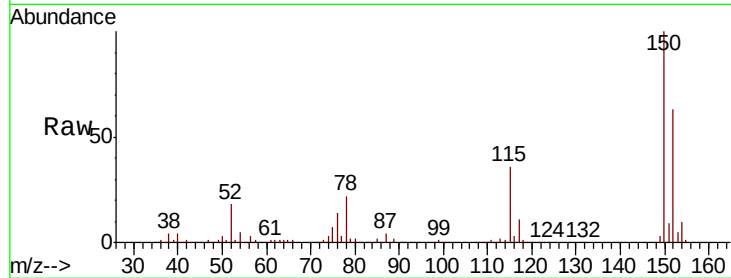
Tot Ion:152 Resp: 169193

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

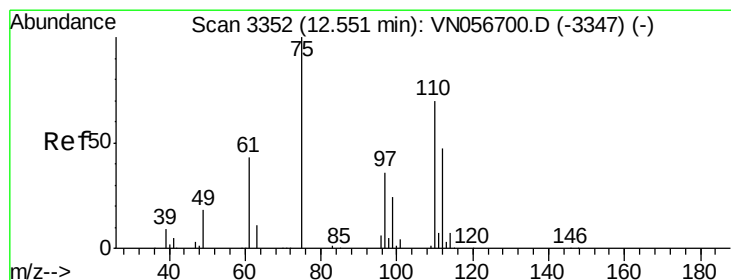
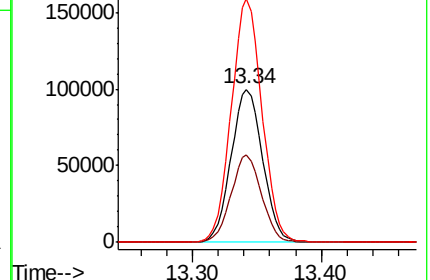
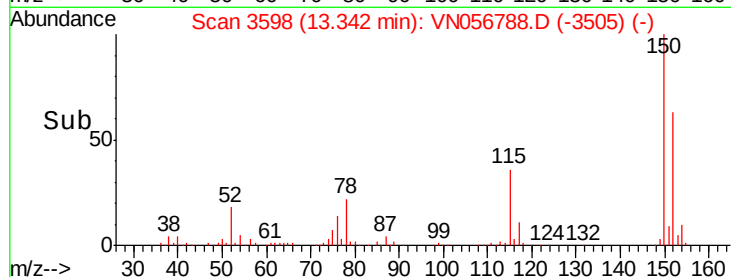
150 154.9 0.0 345.8



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: 25.788 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056788.D

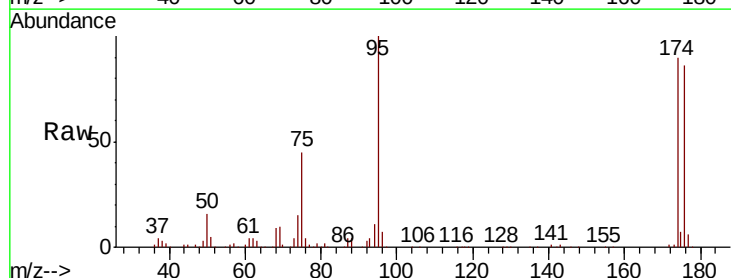
Acq: 17 Jul 2019 11:51

Tgt Ion: 75 Resp: 95430

Ion Ratio Lower Upper

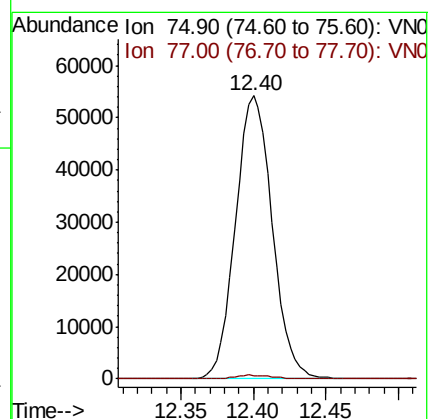
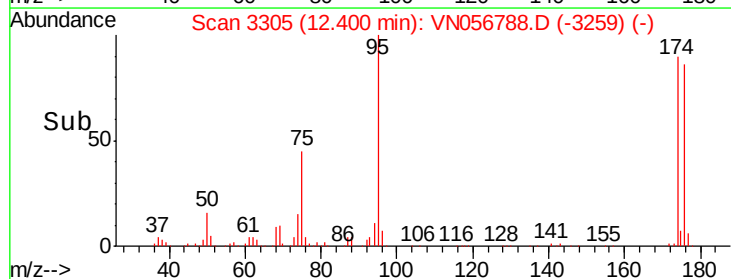
75 100

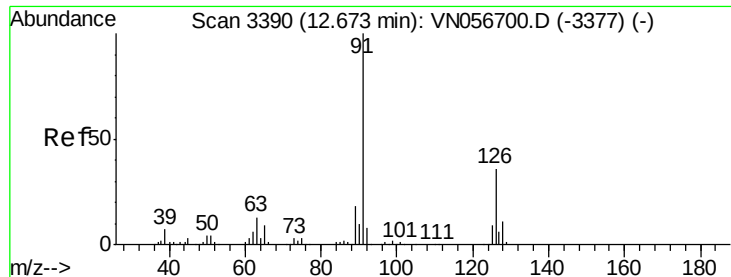
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

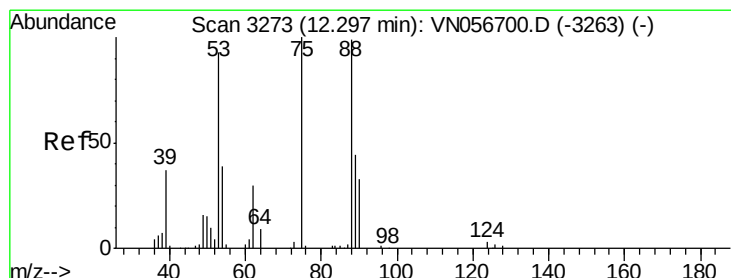
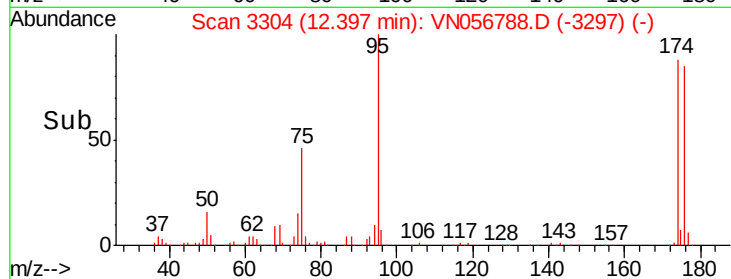
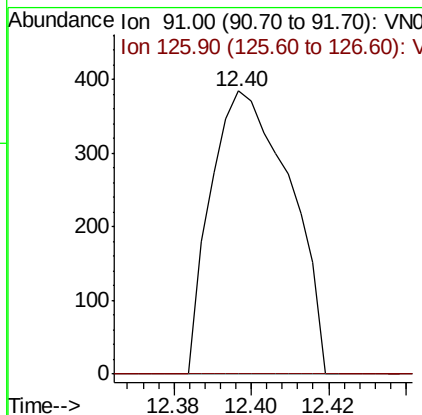
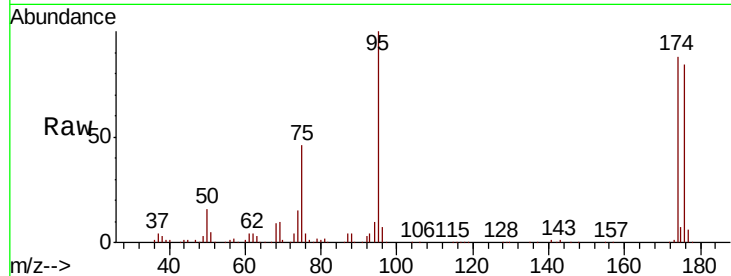




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.28 min
 Lab File: VN056788.D
 Acq: 17 Jul 2019 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3D

Tot Ion: 91 Resp: 544
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.643 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056788.D
 Acq: 17 Jul 2019 11:51

Tgt Ion: 75 Resp: 95430
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.7 110.5#
 89 0.0 36.2 54.2#

