

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056050.D
 Acq On : 6 Jun 2019 17:01
 Operator : JC/SP
 Sample : K3203-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0531-190604

Quant Time: Jun 07 05:27:15 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	333361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	508417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	470991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	180582	54.56	ug/l	0.00
Spiked Amount						
			Recovery	=	109.12%	
35) Dibromofluoromethane	7.59	113	156712	50.24	ug/l	0.00
Spiked Amount						
			Recovery	=	100.48%	
50) Toluene-d8	10.09	98	650383	54.18	ug/l	0.00
Spiked Amount						
			Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.40	95	198554	48.64	ug/l	0.00
Spiked Amount						
			Recovery	=	97.28%	

Target Compounds

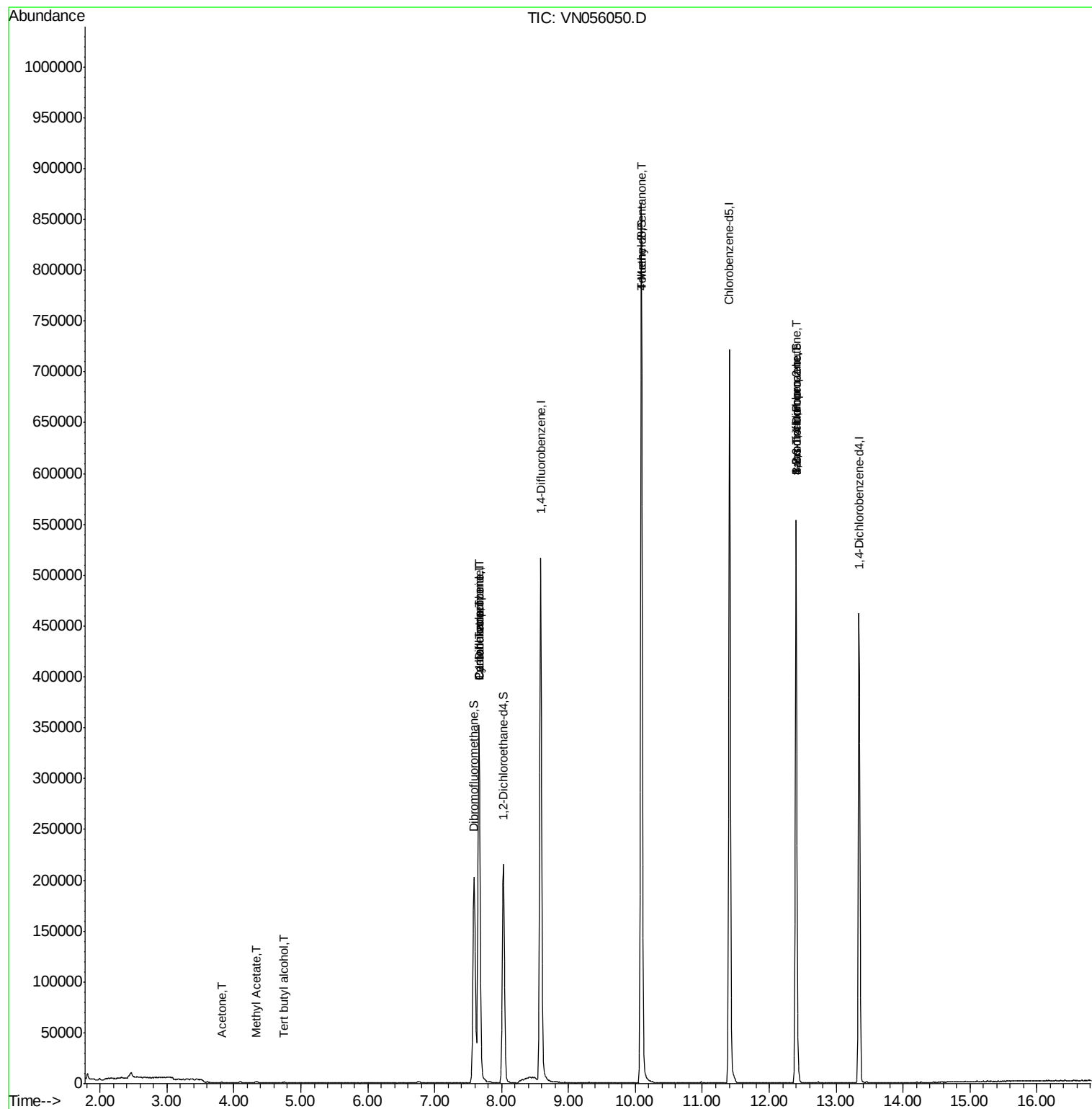
						Qvalue
11) Tert butyl alcohol	4.75	59	442	0.767	ug/l #	74
16) Acetone	3.83	43	741	0.468	ug/l #	41
18) Methyl Acetate	4.34	43	2776	0.318	ug/l #	58
31) Cyclohexane	7.67	56	4801	0.914	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19119	4.373	ug/l #	47
38) Carbon Tetrachloride	7.66	117	27381	6.794	ug/l #	14
51) 4-Methyl-2-Pentanone	10.09	43	2731	0.693	ug/l #	1
71) Bromoform	12.39	173	291	2.843	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	88874	34.107	ug/l #	100
79) 2-Chlorotoluene	12.41	91	428	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	88874	113.583	ug/l #	15

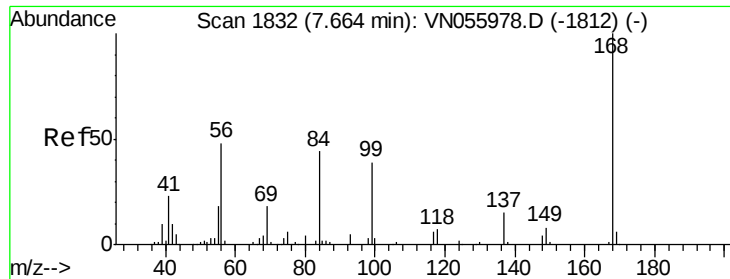
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 07 05:27:15 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056050.D

Acq: 6 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

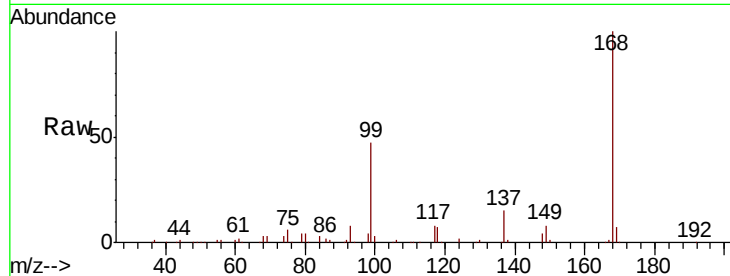
DUP-0531-190604

Tot Ion:168 Resp: 333361

Ion Ratio Lower Upper

168 100

99 46.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

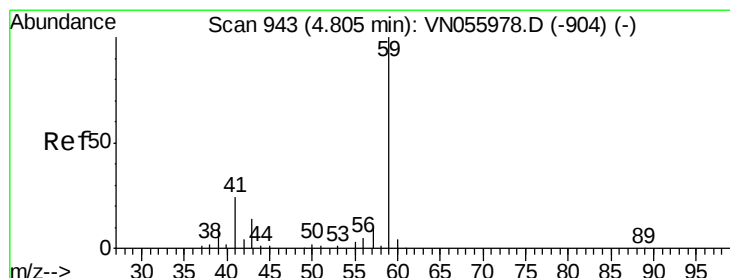
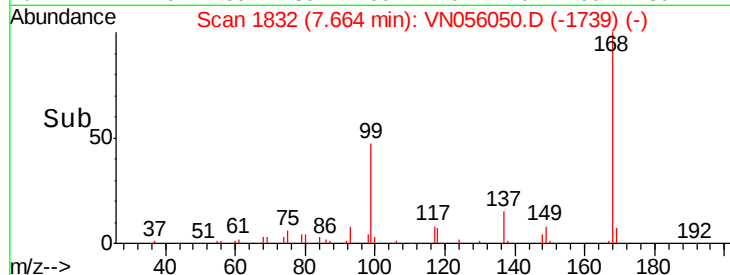
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.767 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN056050.D

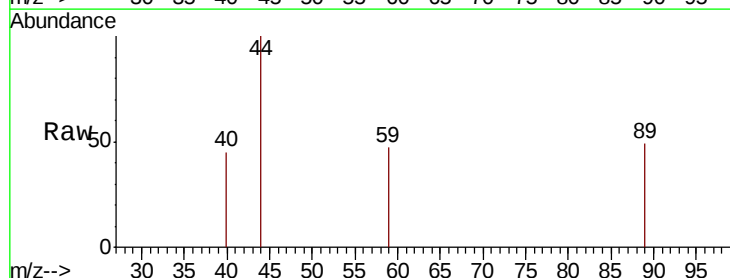
Acq: 6 Jun 2019 17:01

Tgt Ion: 59 Resp: 442

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.75

300

250

200

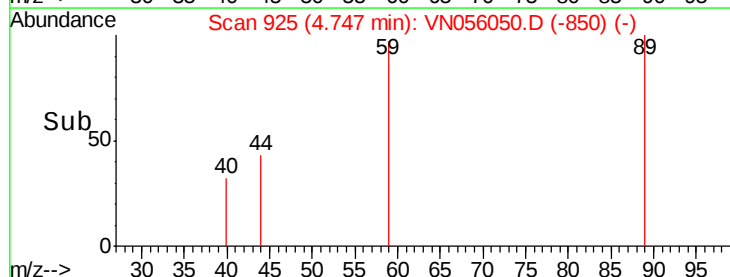
150

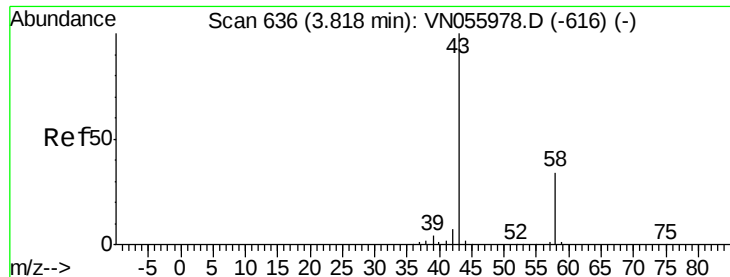
100

50

0

Time-->





#16

Acetone

Concen: 0.468 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056050.D

Acq: 6 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

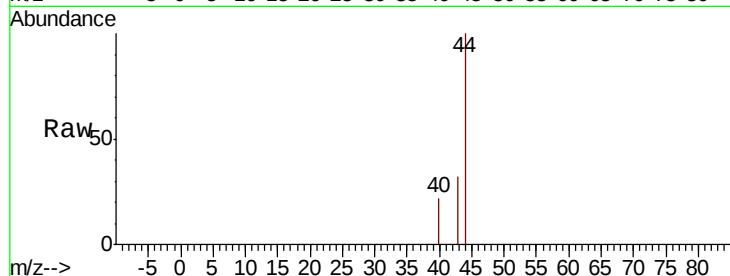
DUP-0531-190604

Tot Ion: 43 Resp: 741

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

3.83

300

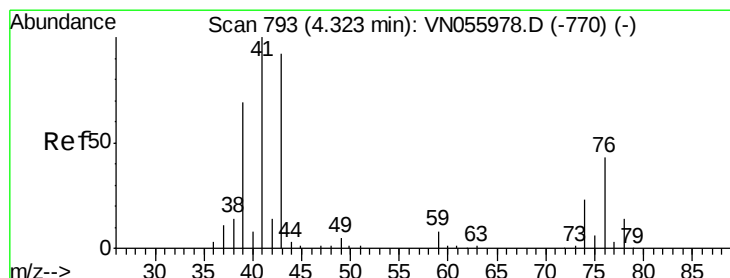
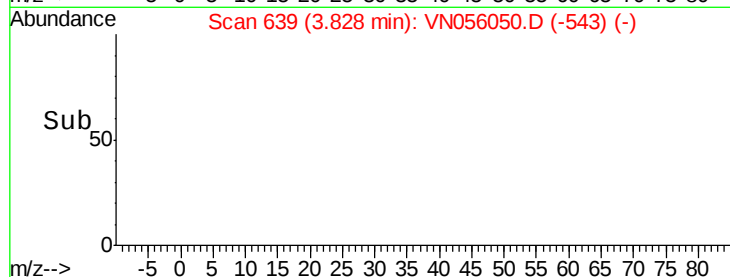
200

100

0

3.80 3.85

Time-->



#18

Methyl Acetate

Concen: 0.318 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056050.D

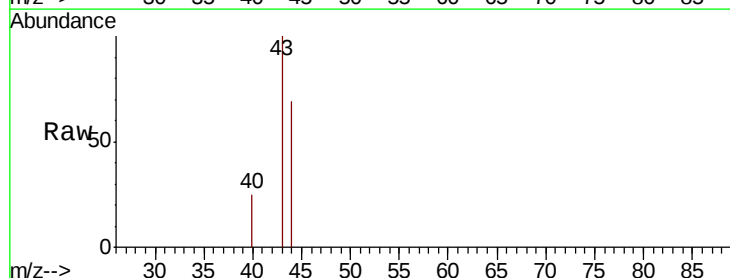
Acq: 6 Jun 2019 17:01

Tgt Ion: 43 Resp: 2776

Ion Ratio Lower Upper

43 100

74 3.6 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

1000

800

600

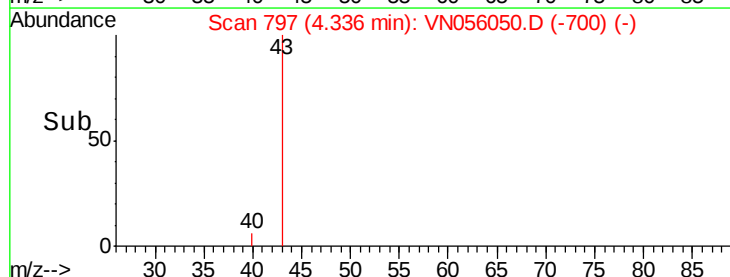
400

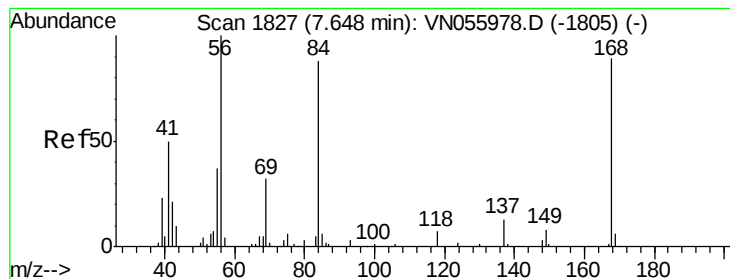
200

0

4.25 4.30 4.35 4.40

Time-->





#31

Cyclohexane

Concen: 0.914 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN056050.D

Acq: 6 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-0531-190604

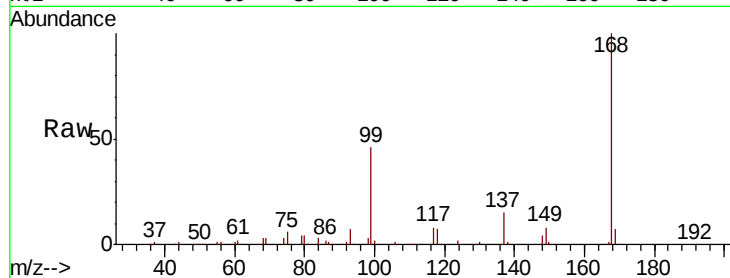
Tot Ion: 56 Resp: 4801

Ion Ratio Lower Upper

56 100

69 195.3 25.6 38.4#

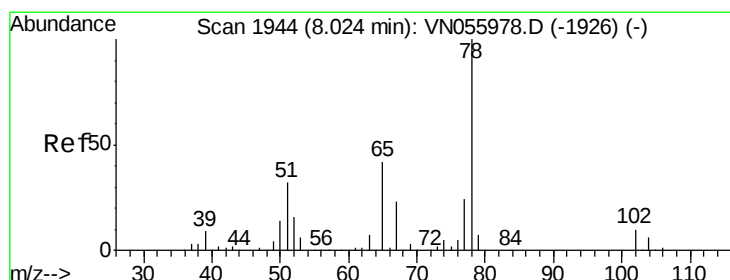
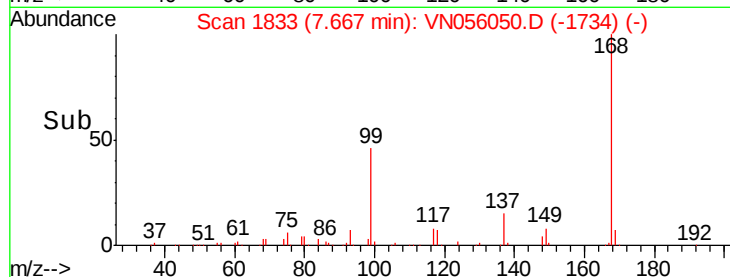
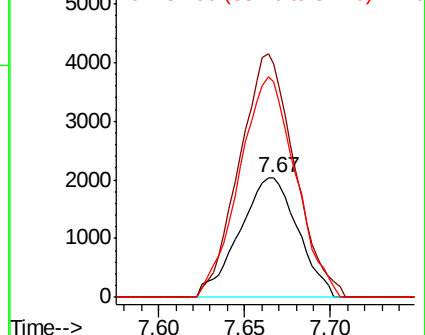
84 180.0 67.4 101.0#



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: 54.557 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056050.D

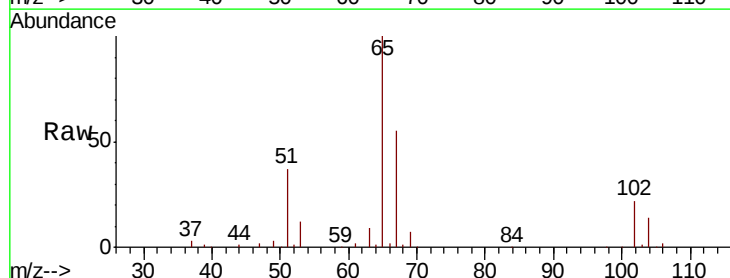
Acq: 6 Jun 2019 17:01

Tgt Ion: 65 Resp: 180582

Ion Ratio Lower Upper

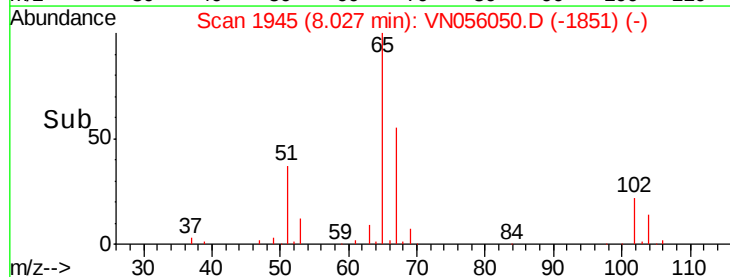
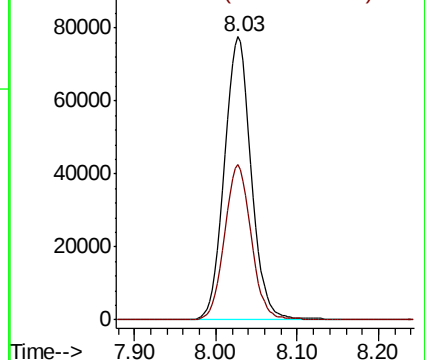
65 100

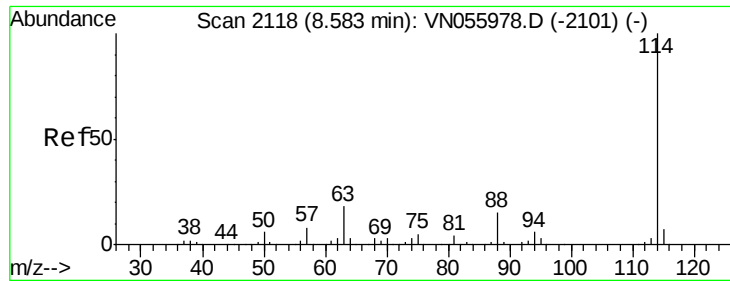
67 54.6 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

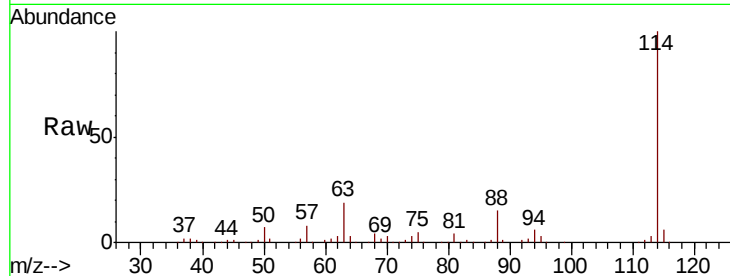




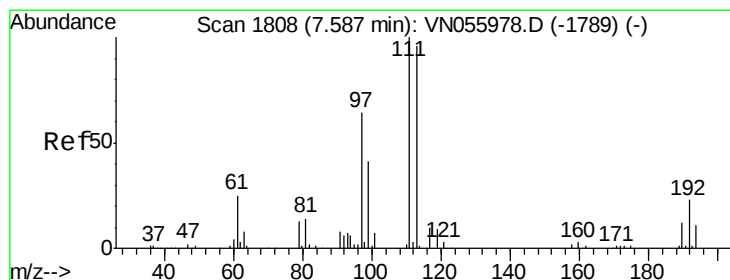
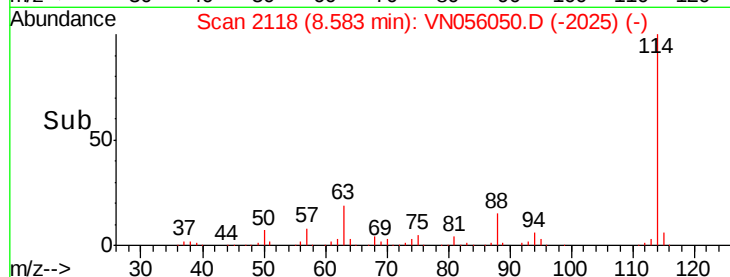
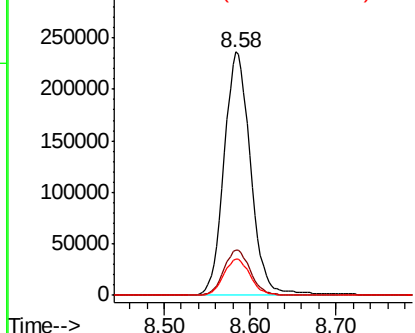
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN056050.D
Acq: 6 Jun 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
DUP-0531-190604

Tot Ion:114 Resp: 508417
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.2
88 15.0 0.0 31.0

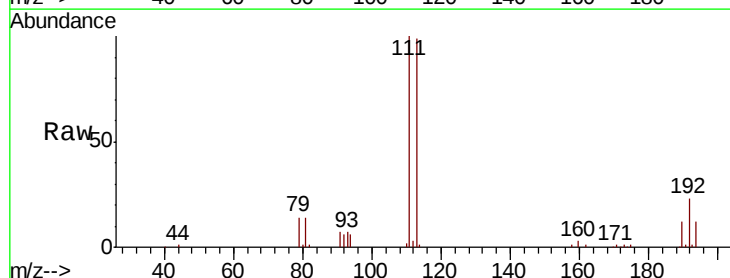


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

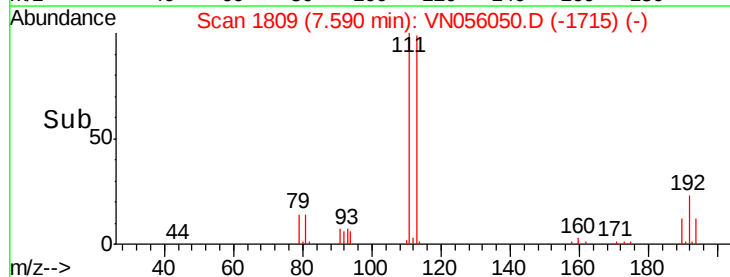
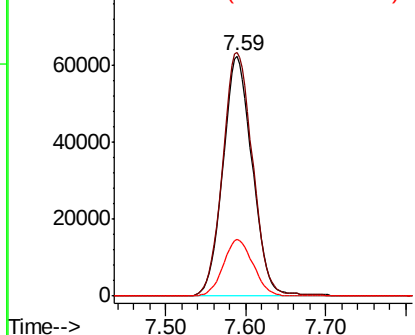


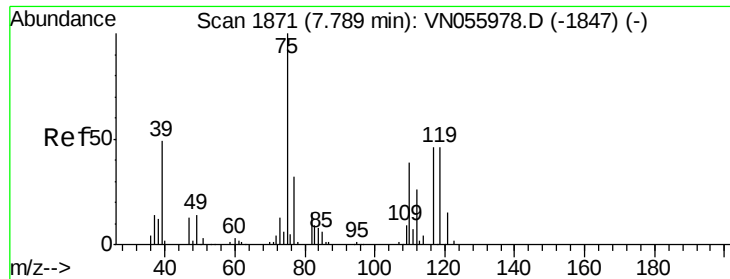
#35
Dibromofluoromethane
Concen: 50.239 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056050.D
Acq: 6 Jun 2019 17:01

Tgt Ion:113 Resp: 156712
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 24.0 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

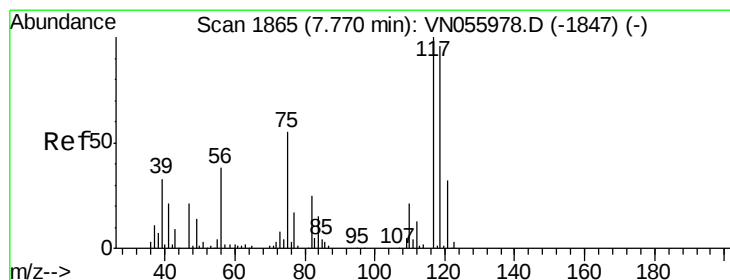
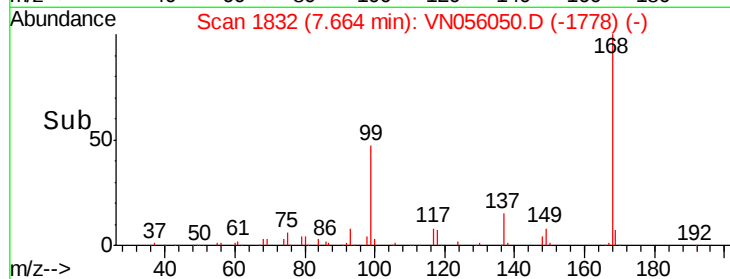
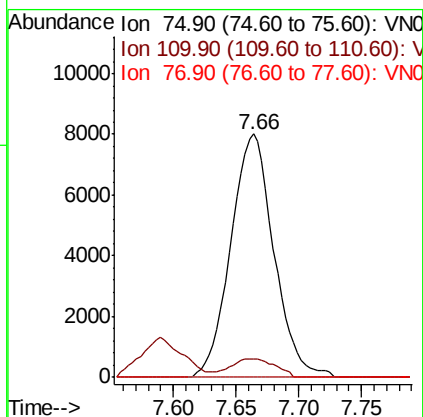
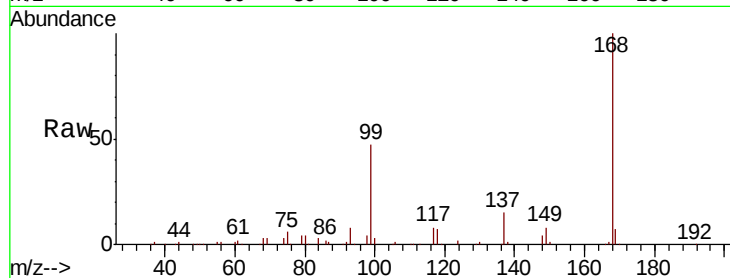




#36
 1,1-Dichloropropene
 Concen: 4.373 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056050.D
 Acq: 6 Jun 2019 17:01

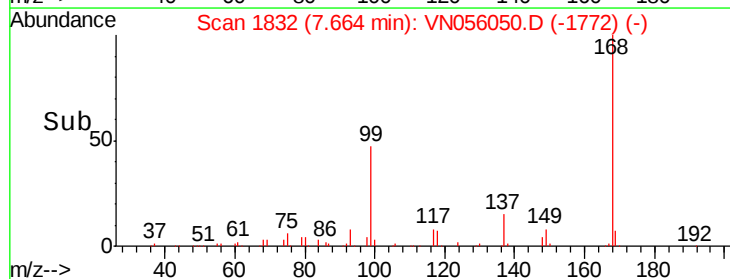
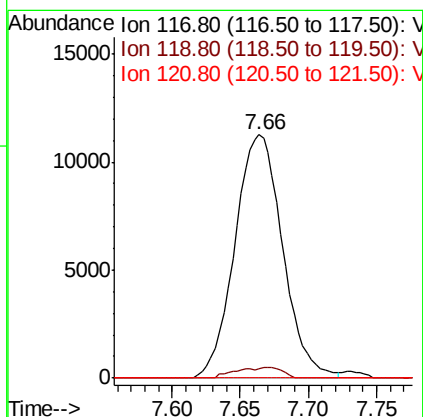
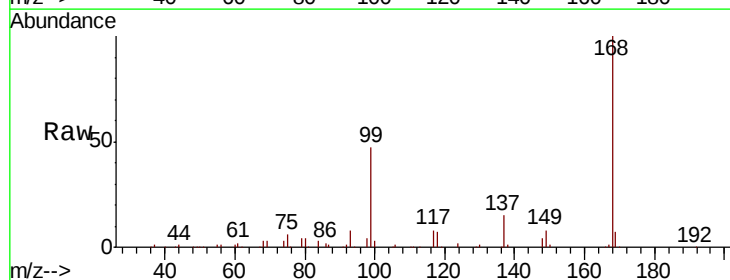
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0531-190604

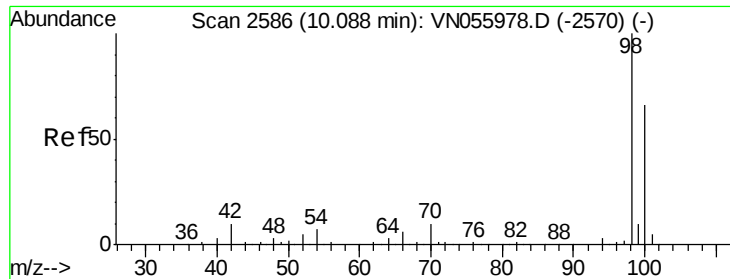
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.794 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056050.D
 Acq: 6 Jun 2019 17:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	79.0	118.6#
121	0.0	24.7	37.1#

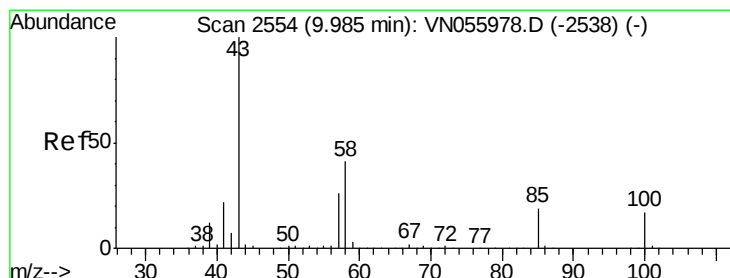
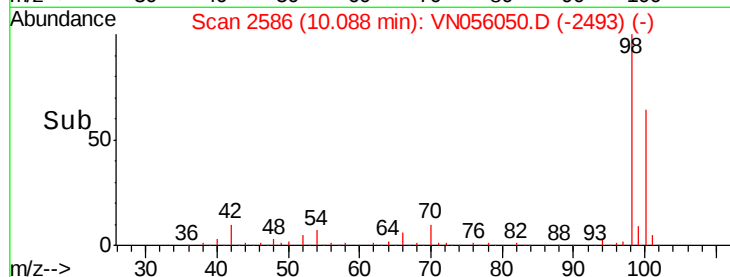
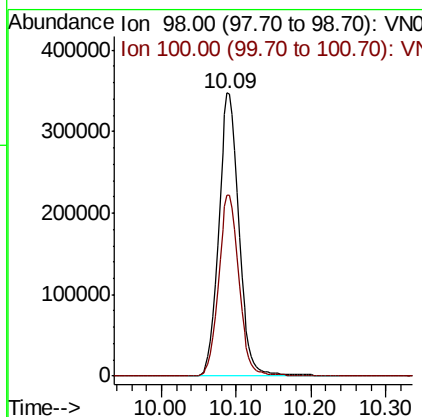
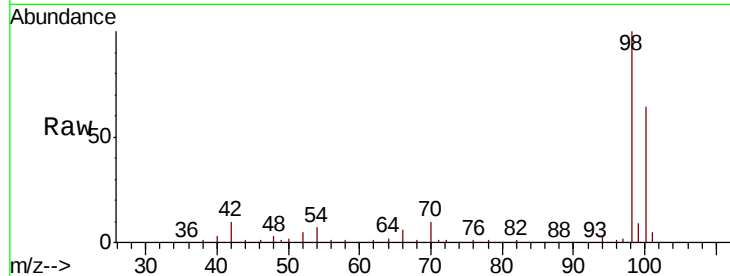




#50
Toluene-d8
Concen: 54.185 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056050.D
Acq: 6 Jun 2019 17:01

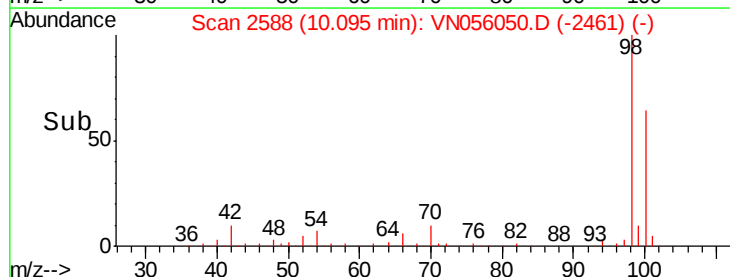
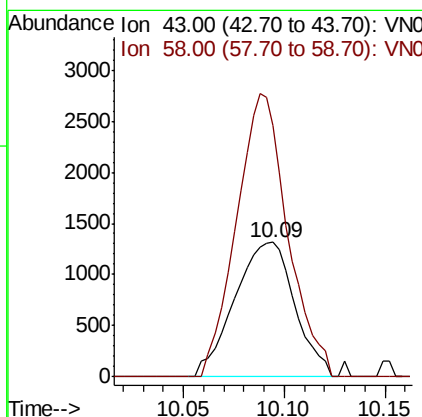
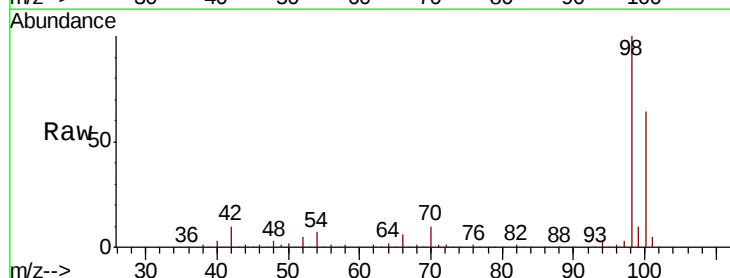
Instrument :
MSVOA_N
ClientSampleId :
DUP-0531-190604

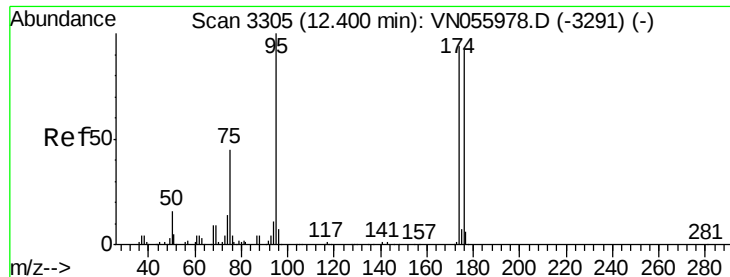
Tot Ion: 98 Resp: 650383
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.693 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.11 min
Lab File: VN056050.D
Acq: 6 Jun 2019 17:01

Tgt Ion: 43 Resp: 2731
Ion Ratio Lower Upper
43 100
58 179.5 32.1 48.1#





#62

4-Bromofluorobenzene

Concen: 48.642 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056050.D

Acq: 6 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-0531-190604

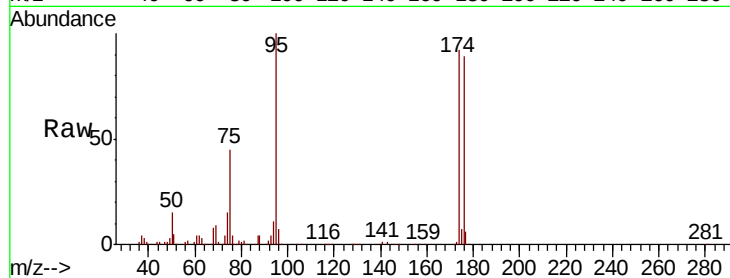
Tot Ion: 95 Resp: 198554

Ion Ratio Lower Upper

95 100

174 93.9 0.0 191.0

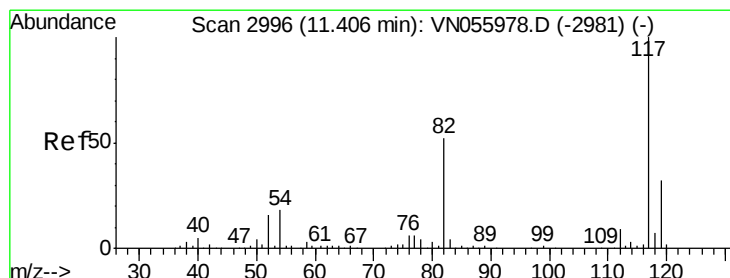
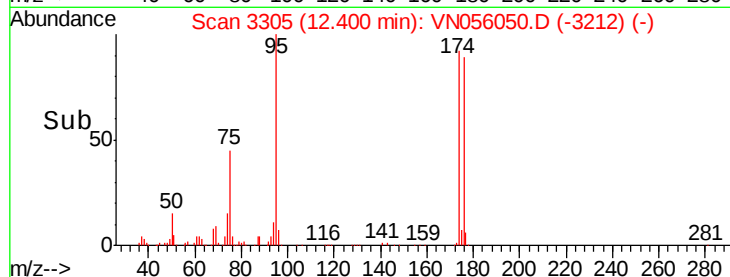
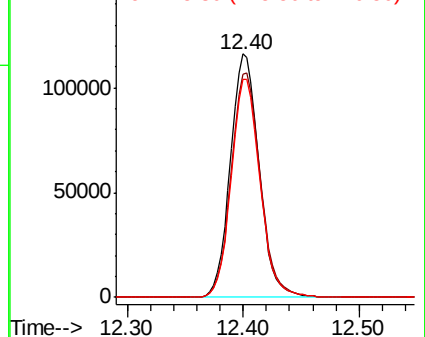
176 90.1 0.0 185.2



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056050.D

Acq: 6 Jun 2019 17:01

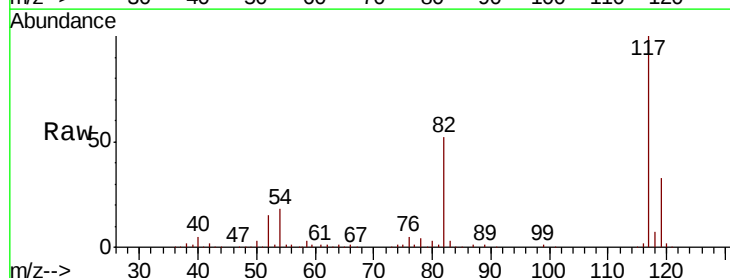
Tgt Ion: 117 Resp: 470991

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

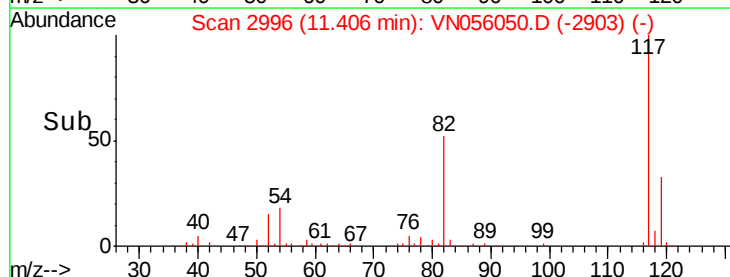
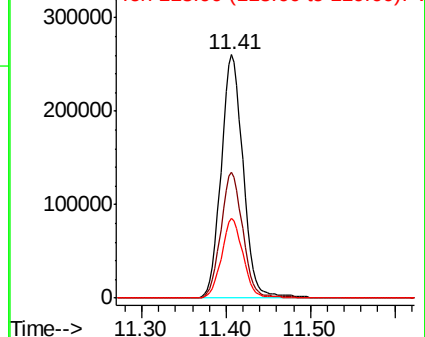
119 32.7 25.4 38.0

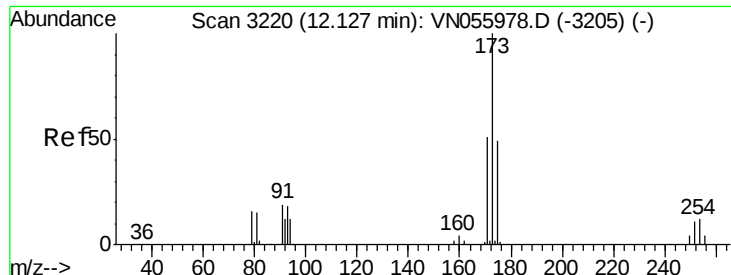


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

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

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





#71

Bromoform

Concen: 2.843 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN056050.D

Acq: 6 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-0531-190604

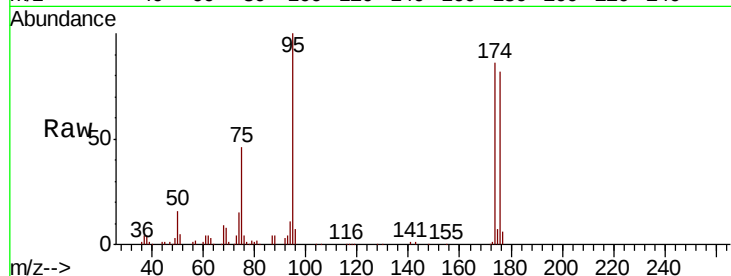
Tot Ion:173 Resp: 291

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

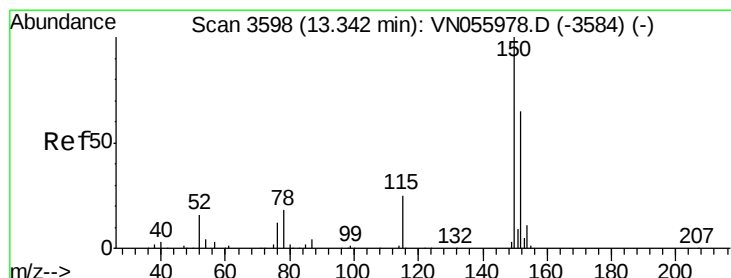
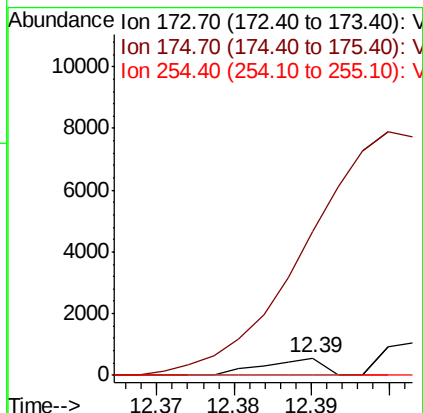
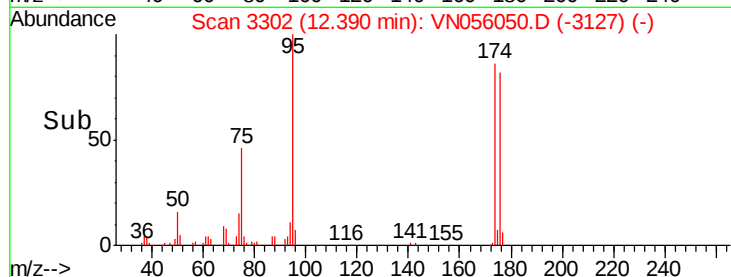
254 0.0 0.0 0.0



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: VN056050.D

Acq: 6 Jun 2019 17:01

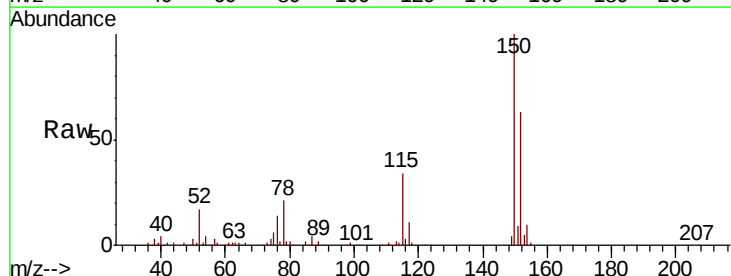
Tgt Ion:152 Resp: 141613

Ion Ratio Lower Upper

152 100

115 53.5 27.0 81.0

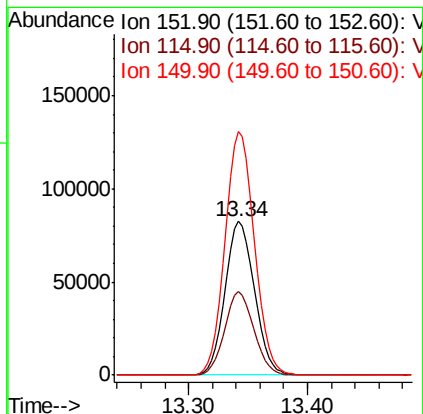
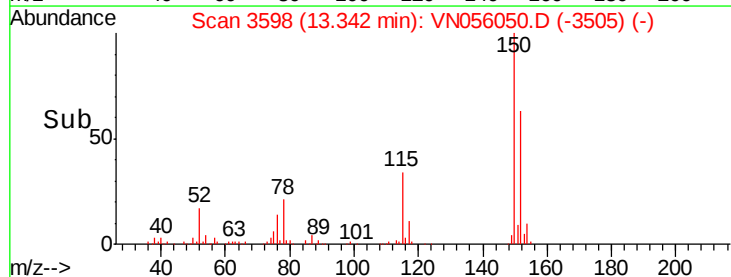
150 158.0 0.0 343.2

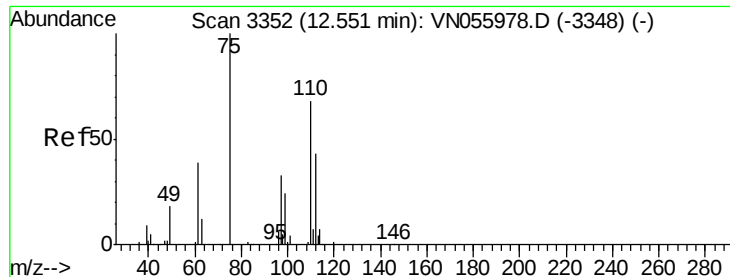


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 34.107 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056050.D

Acq: 6 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

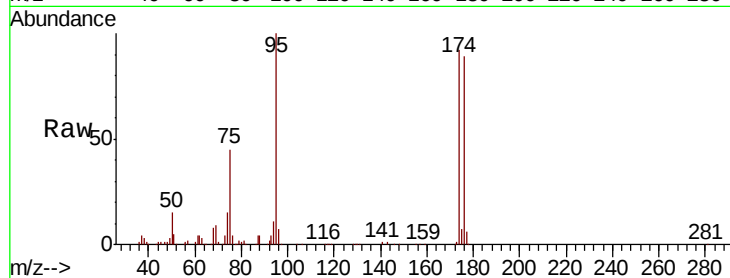
DUP-0531-190604

Tot Ion: 75 Resp: 88874

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

60000

50000

40000

30000

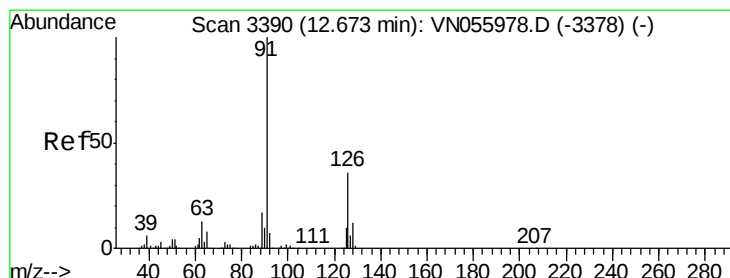
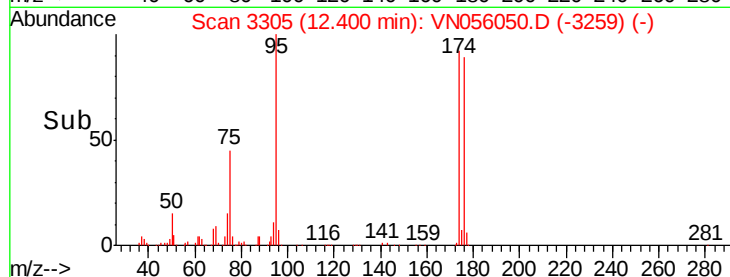
20000

10000

0

12.35 12.40 12.45 12.50

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.27 min

Lab File: VN056050.D

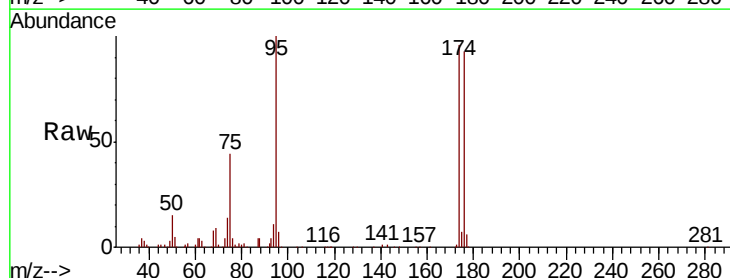
Acq: 6 Jun 2019 17:01

Tgt Ion: 91 Resp: 428

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

400

300

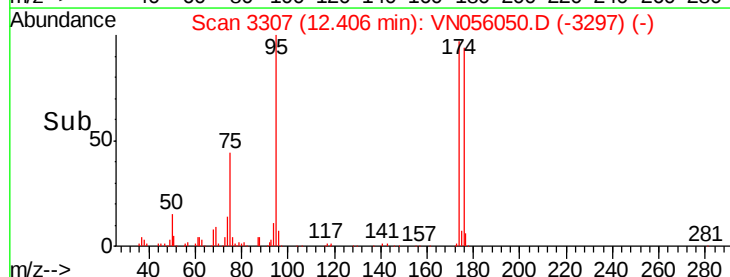
200

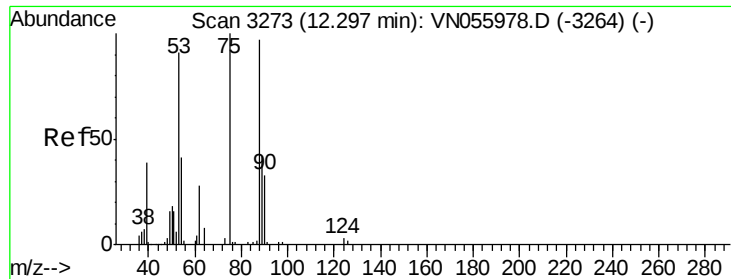
100

0

12.38 12.40 12.42

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 113.583 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056050.D

Acq: 6 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-0531-190604

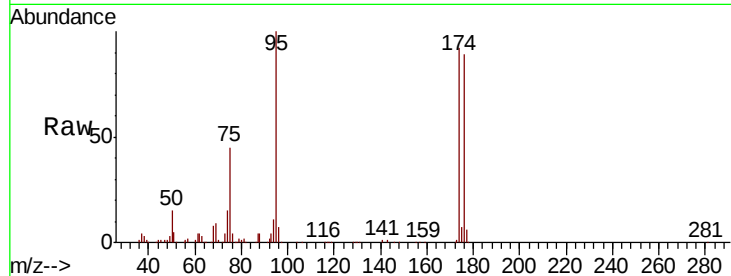
Tot Ion: 75 Resp: 88874

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

