

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056048.D
 Acq On : 6 Jun 2019 16:11
 Operator : JC/SP
 Sample : K3203-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW039-190604

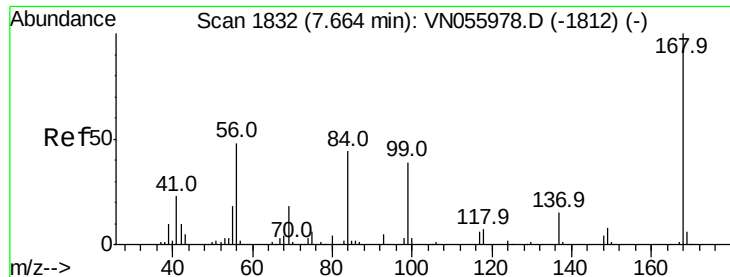
Quant Time: Jun 06 17:55:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	338951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	509612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	480811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151929	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	177133	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	7.59	113	154597	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.09	98	645553	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
62) 4-Bromofluorobenzene	12.40	95	202123	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.33	43	1696	Below Cal	#	75
31) Cyclohexane	7.66	56	4733	0.886	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19675	4.490	ug/l #	48
38) Carbon Tetrachloride	7.66	117	27326	6.764	ug/l #	15
43) Isopropyl Acetate	8.30	43	3579	0.566	ug/l #	53
71) Bromoform	12.40	173	1367	3.208	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	91182	32.617	ug/l #	100
79) 2-Chlorotoluene	12.40	91	467	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	91182	108.620	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056048.D

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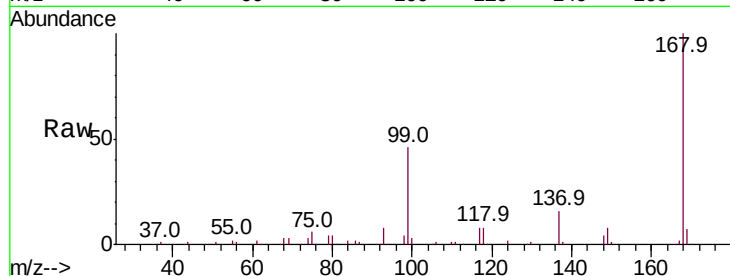
SS043MW039-190604

Tot Ion:168 Resp: 338951

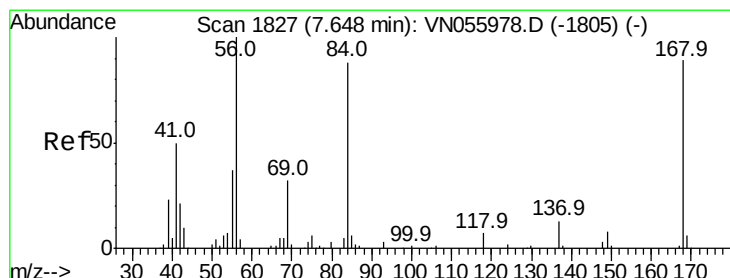
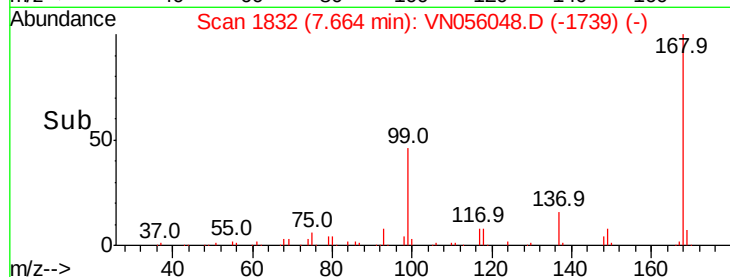
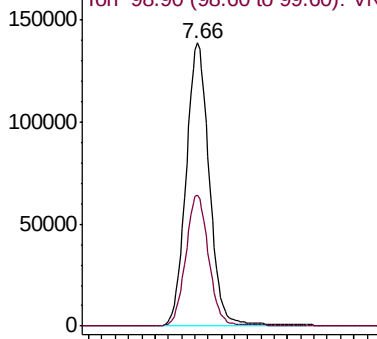
Ion Ratio Lower Upper

168 100

99 46.3 37.2 55.8



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



#31

Cyclohexane

Concen: 0.886 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056048.D

Acq: 6 Jun 2019 16:11

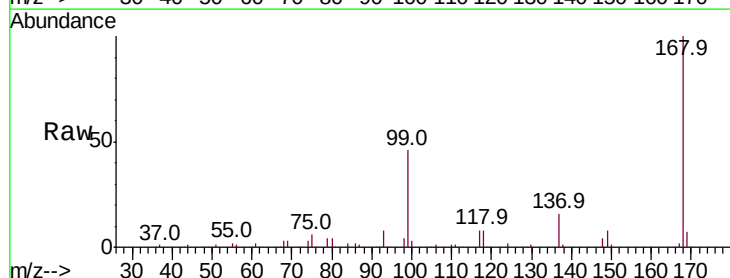
Tgt Ion: 56 Resp: 4733

Ion Ratio Lower Upper

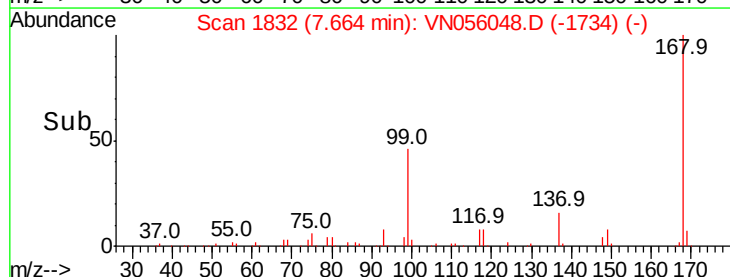
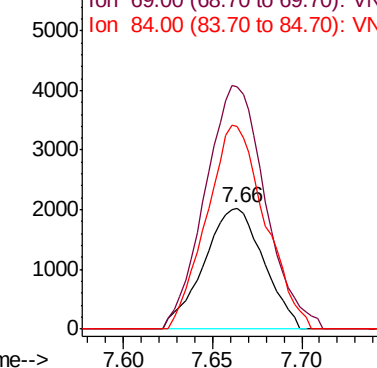
56 100

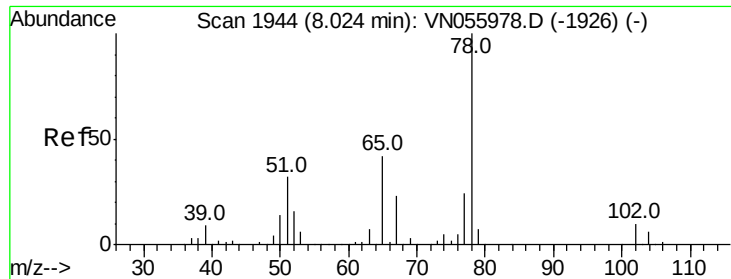
69 200.0 25.6 38.4#

84 167.0 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-1805) (-)

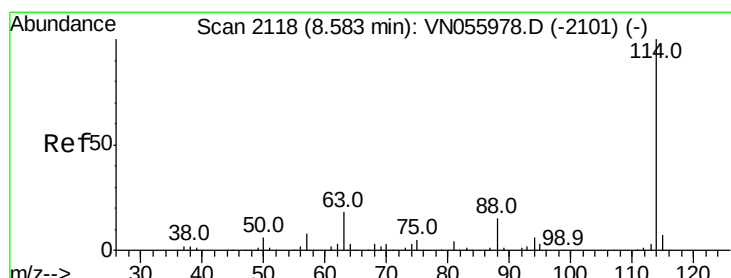
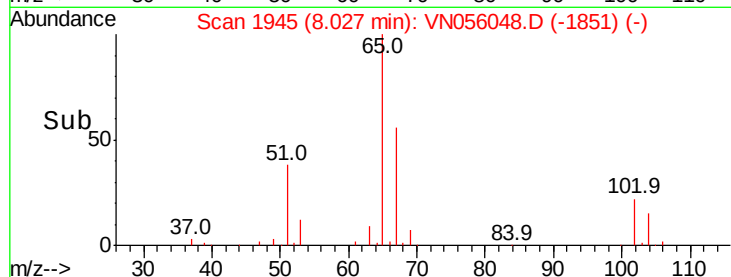
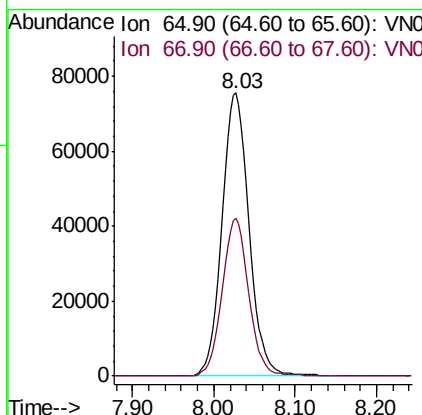
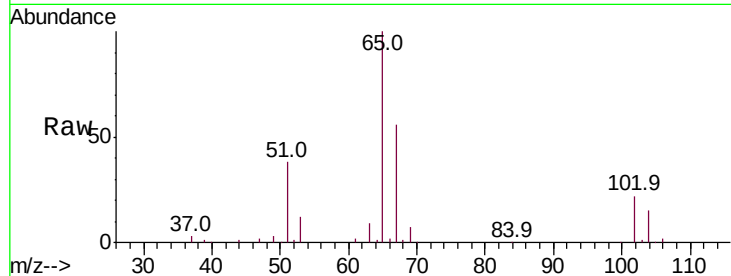




#33
 1,2-Dichloroethane-d4
 Concen: 52.632 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056048.D
 Acq: 6 Jun 2019 16:11

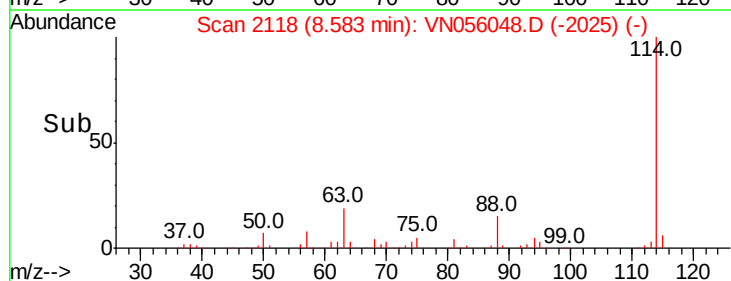
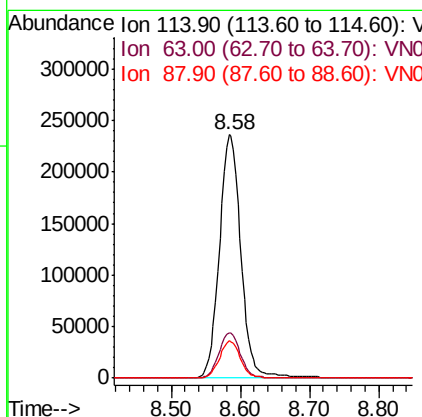
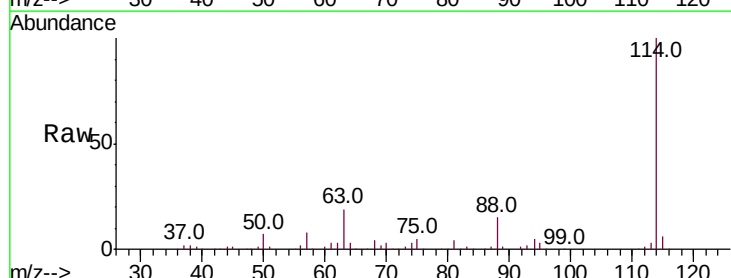
Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW039-190604

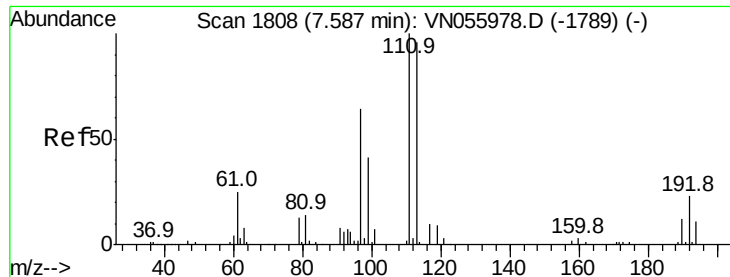
Tot Ion: 65 Resp: 177133
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056048.D
 Acq: 6 Jun 2019 16:11

Tgt Ion: 114 Resp: 509612
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.445 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056048.D

Acq: 6 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

SS043MW039-190604

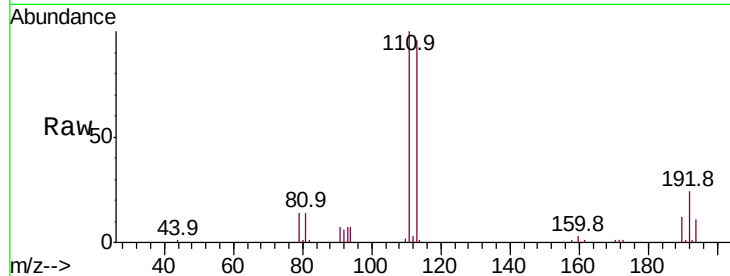
Tot Ion:113 Resp: 154597

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

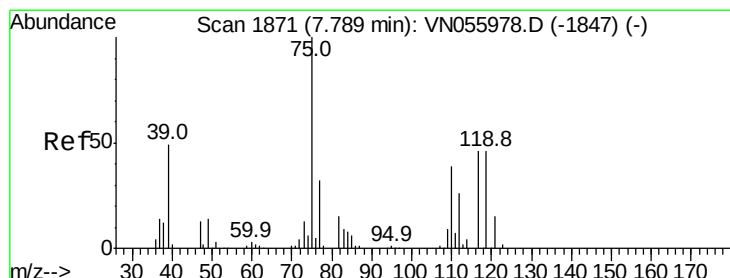
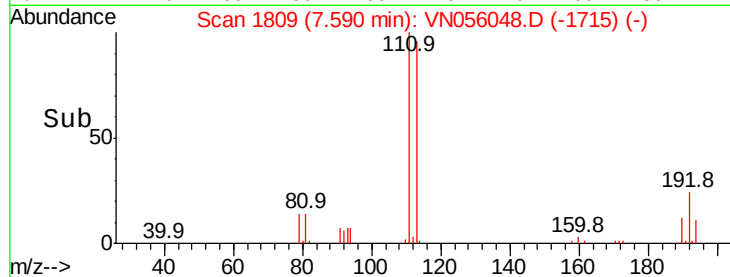
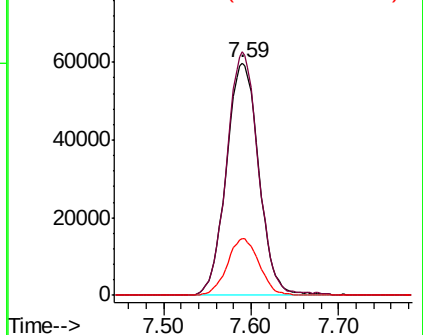
192 23.8 19.5 29.3



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: 4.490 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056048.D

Acq: 6 Jun 2019 16:11

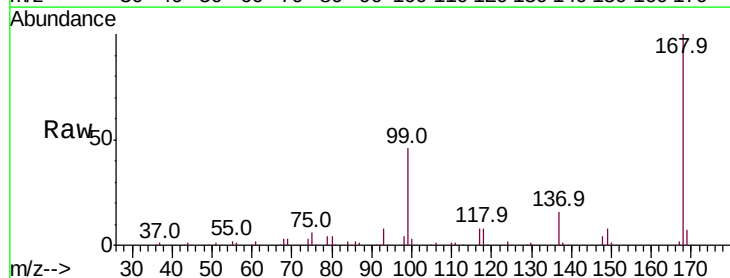
Tgt Ion: 75 Resp: 19675

Ion Ratio Lower Upper

75 100

110 9.4 19.0 57.0#

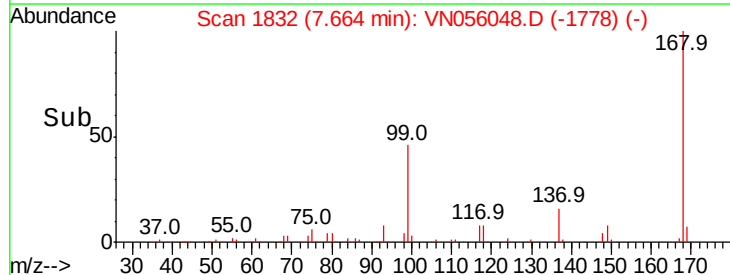
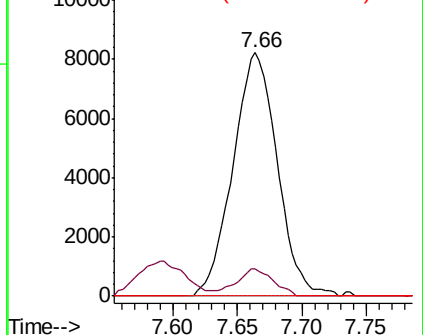
77 0.0 25.1 37.7#

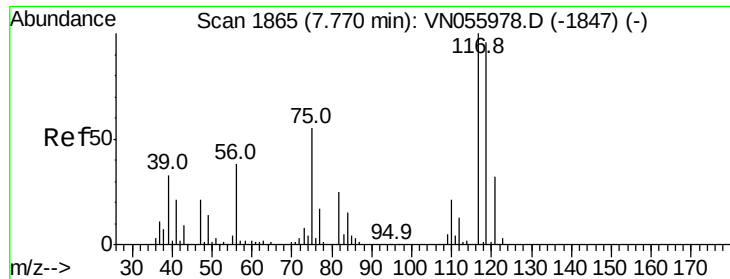


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.764 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056048.D

Acq: 6 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

SS043MW039-190604

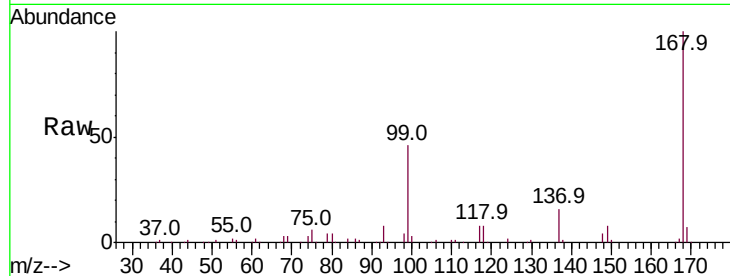
Tot Ion:117 Resp: 27326

Ion Ratio Lower Upper

117 100

119 4.9 79.0 118.6#

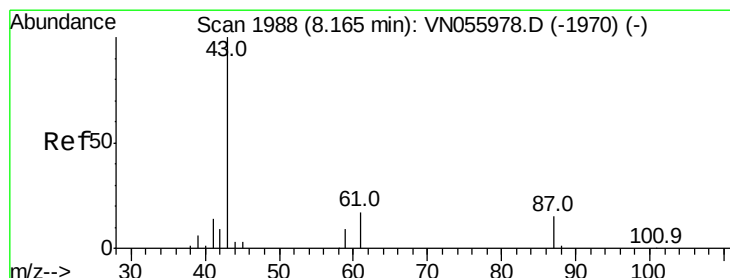
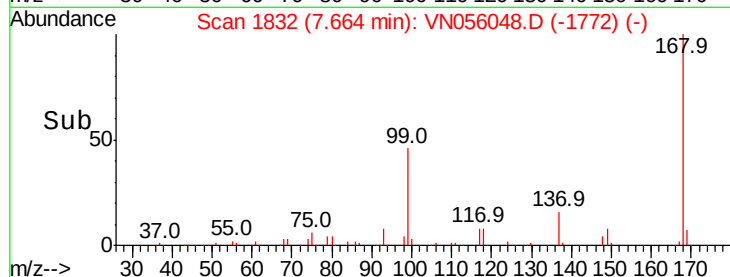
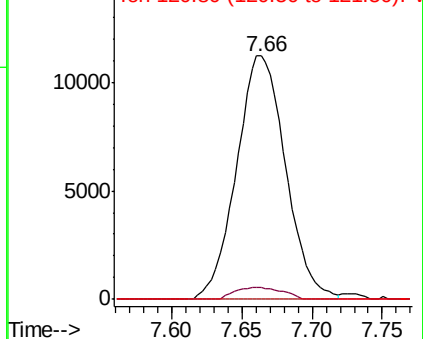
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 0.566 ug/l

RT: 8.30 min Scan# 2031

Delta R.T. 0.14 min

Lab File: VN056048.D

Acq: 6 Jun 2019 16:11

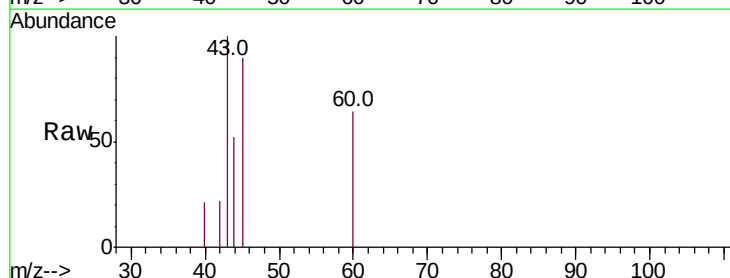
Tgt Ion: 43 Resp: 3579

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

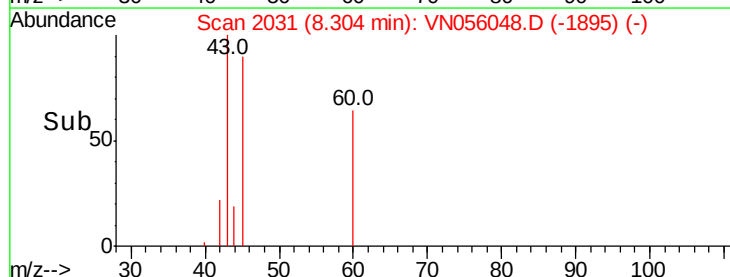
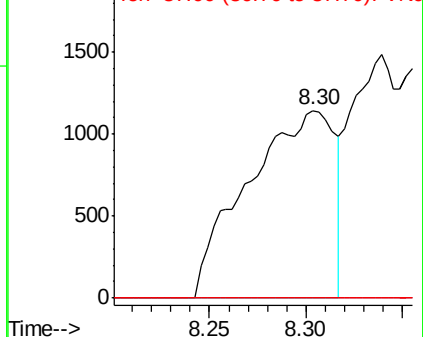
87 0.0 11.4 17.2#

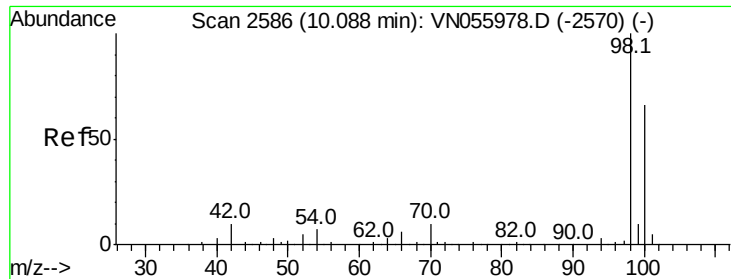


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 53.656 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056048.D

Acq: 6 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

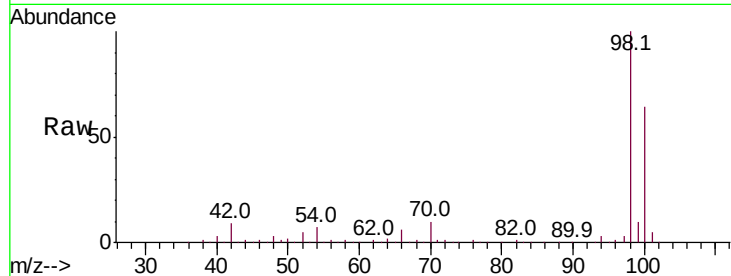
SS043MW039-190604

Tot Ion: 98 Resp: 645553

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

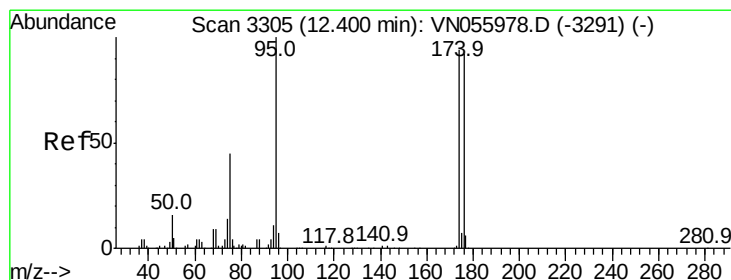
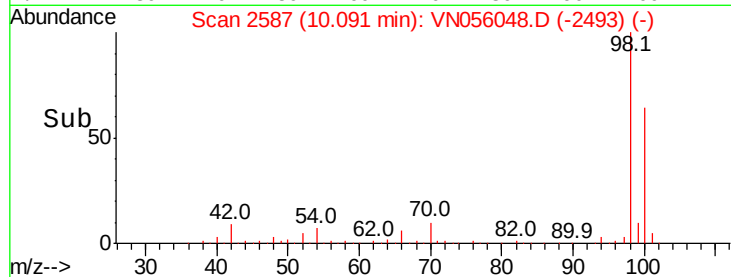
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.400 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056048.D

Acq: 6 Jun 2019 16:11

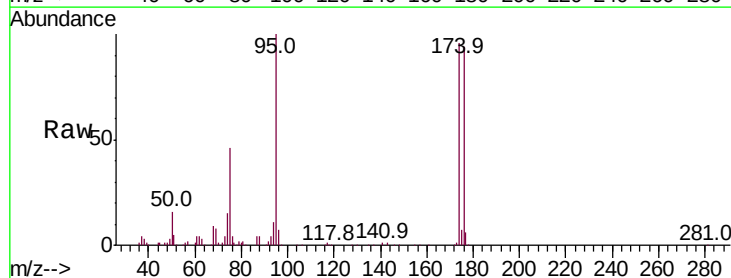
Tgt Ion: 95 Resp: 202123

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.0

176 92.8 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) (-)

12.40

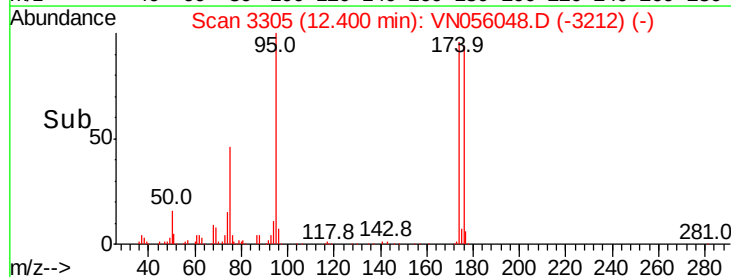
150000

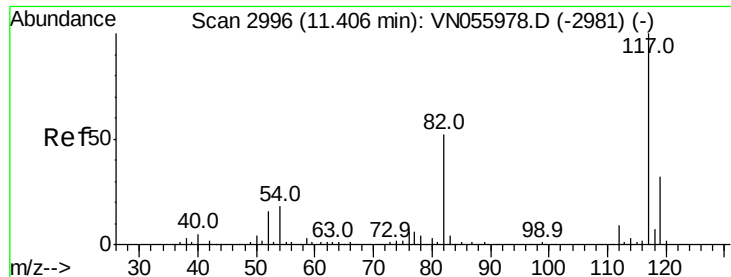
100000

50000

0

Time-->

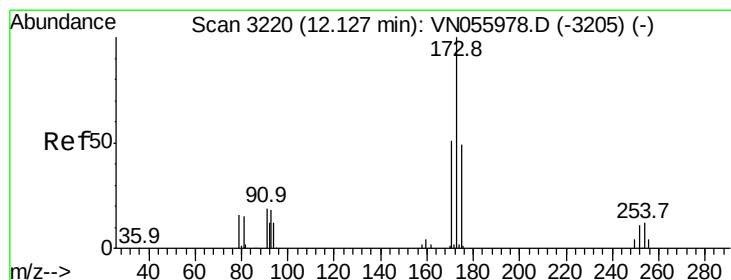
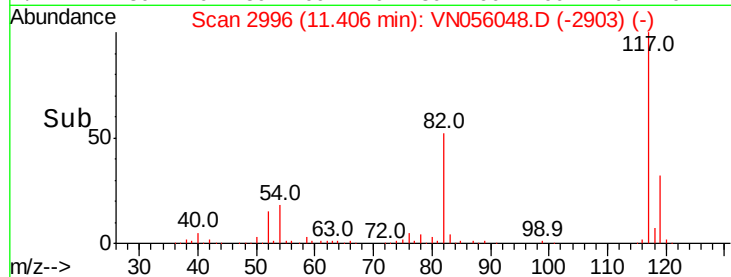
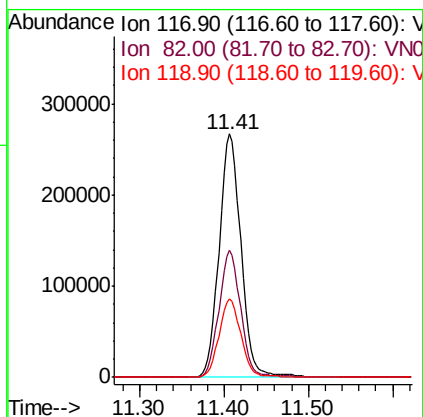
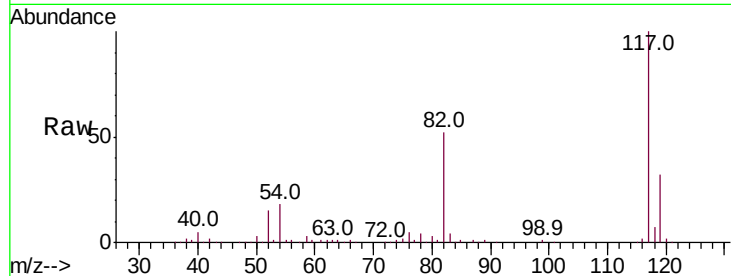




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056048.D
Acq: 6 Jun 2019 16:11

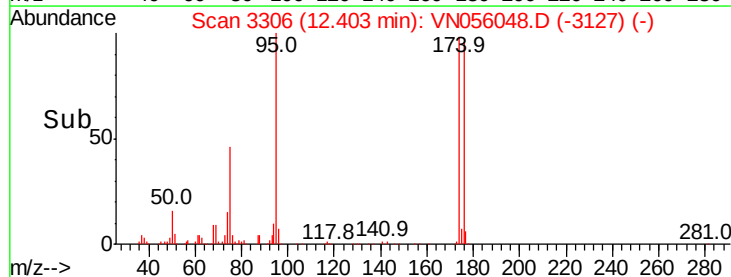
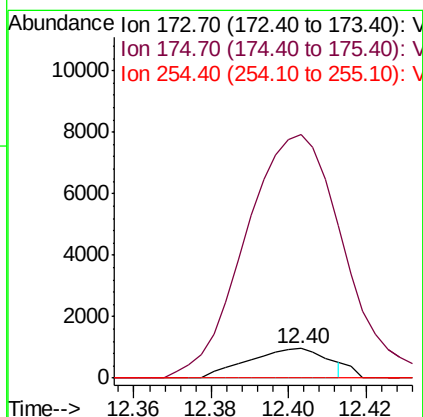
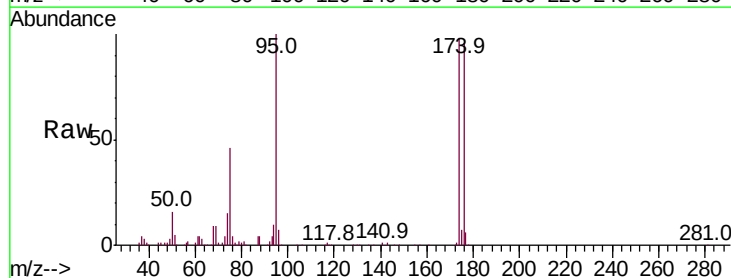
Instrument :
MSVOA_N
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SS043MW039-190604

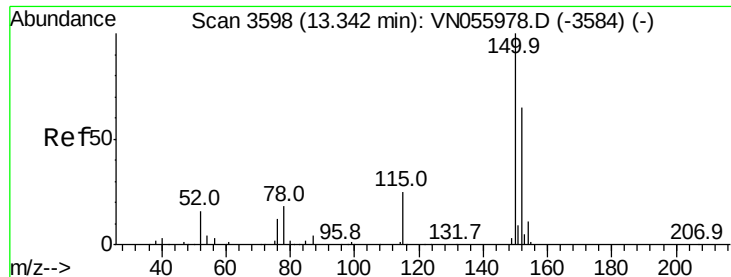
Tot Ion:117 Resp: 480811
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.8
119 32.1 25.4 38.0



#71
Bromoform
Concen: 3.208 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056048.D
Acq: 6 Jun 2019 16:11

Tgt Ion:173 Resp: 1367
Ion Ratio Lower Upper
173 100
175 886.6 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056048.D

Acq: 6 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

SS043MW039-190604

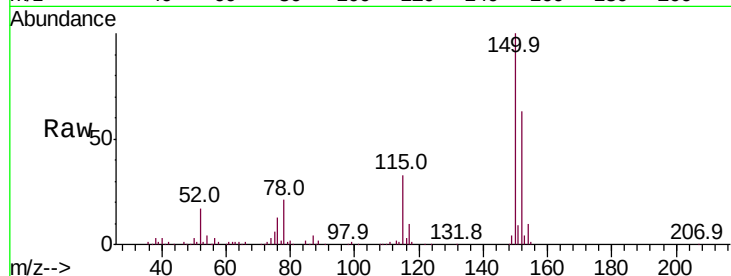
Tot Ion:152 Resp: 151929

Ion Ratio Lower Upper

152 100

115 52.4 27.0 81.0

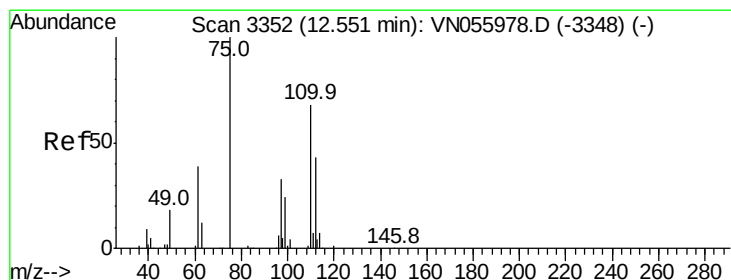
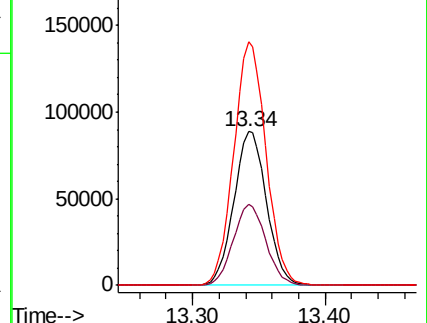
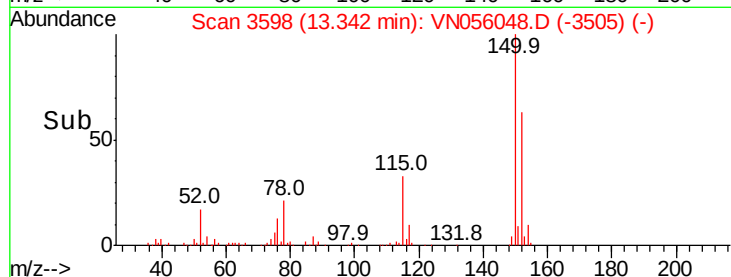
150 156.5 0.0 343.2



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: 32.617 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056048.D

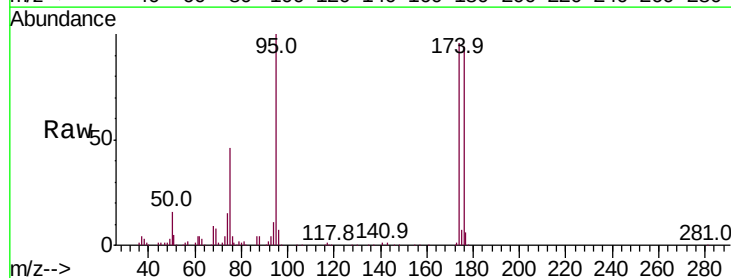
Acq: 6 Jun 2019 16:11

Tgt Ion: 75 Resp: 91182

Ion Ratio Lower Upper

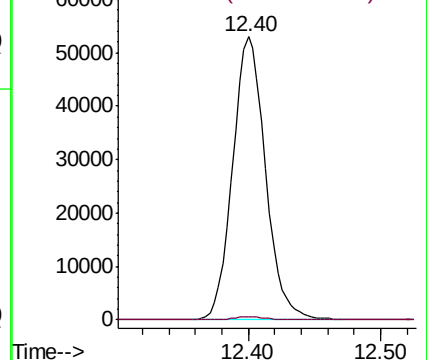
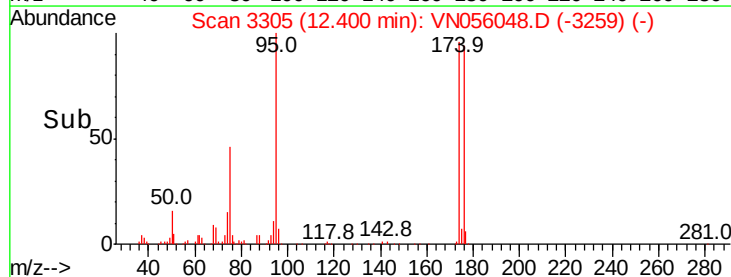
75 100

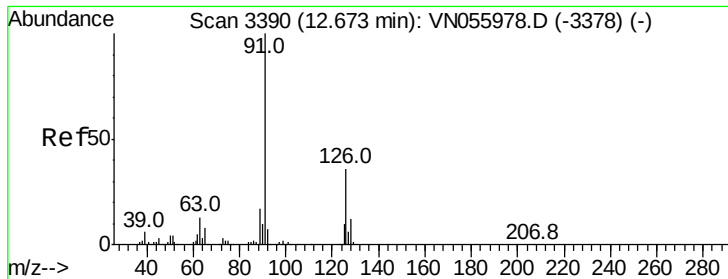
77 1.1 0.0 0.0#



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: VN056048.D

Acq: 6 Jun 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

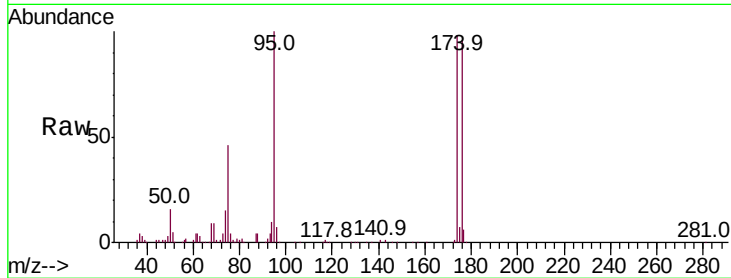
SS043MW039-190604

Tot Ion: 91 Resp: 467

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO

12.40

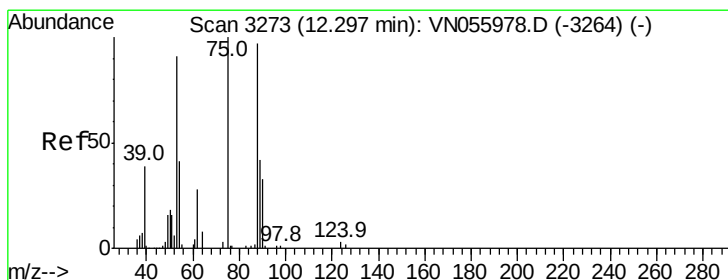
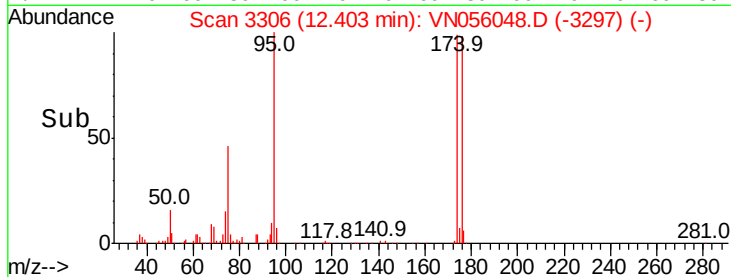
300

200

100

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 108.620 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056048.D

Acq: 6 Jun 2019 16:11

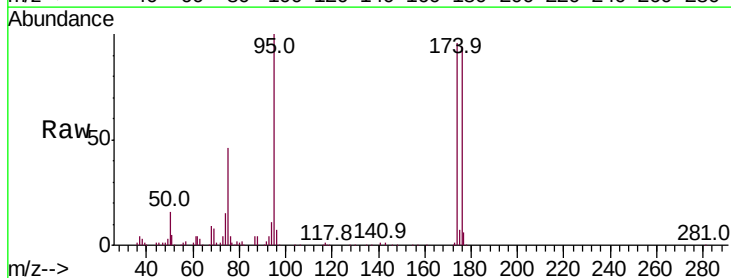
Tgt Ion: 75 Resp: 91182

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

60000

40000

20000

0

Time-->

