

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054828.D
 Acq On : 31 Mar 2019 3:31
 Operator : JC/SP
 Sample : K2164-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

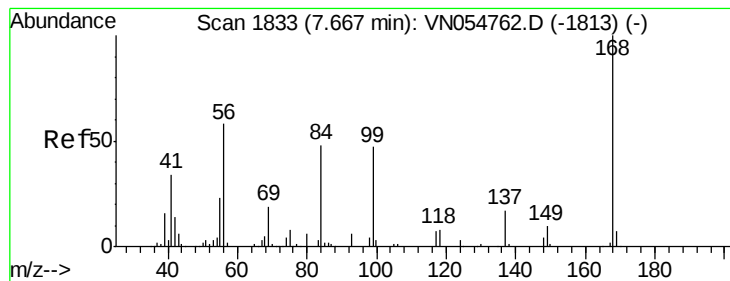
Quant Time: Mar 31 04:44:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	533981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	852691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	694614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	229825	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	344135	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
35) Dibromofluoromethane	7.59	113	275355	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	10.09	98	1010666	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.40	95	293192	41.71	ug/l	0.00
Spiked Amount			Recovery	=	83.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	128	Below Cal	#	2
13) Acrolein	3.60	56	183	0.546	ug/l #	11
16) Acetone	3.83	43	565	0.329	ug/l #	59
18) Methyl Acetate	4.33	43	1158	Below Cal		98
19) Methyl tert-butyl Ether	5.05	73	12582	0.857	ug/l	99
31) Cyclohexane	7.66	56	12188	Below Cal	#	31
36) 1,1-Dichloropropene	7.67	75	40326	5.075	ug/l #	47
38) Carbon Tetrachloride	7.67	117	50207	6.506	ug/l #	16
71) Bromoform	12.40	173	1259	0.422	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	151995	38.069	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	151995	148.080	ug/l #	11
83) tert-Butylbenzene	13.00	119	113	Below Cal	#	56

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054828.D

Acq: 31 Mar 2019 3:31

Instrument :

MSVOA_N

ClientSampleId :

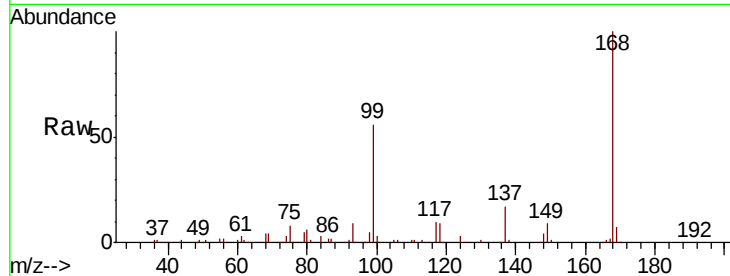
MW-5

Tot Ion:168 Resp: 533981

Ion Ratio Lower Upper

168 100

99 56.2 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

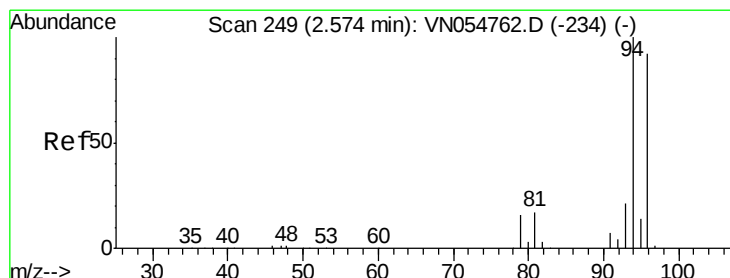
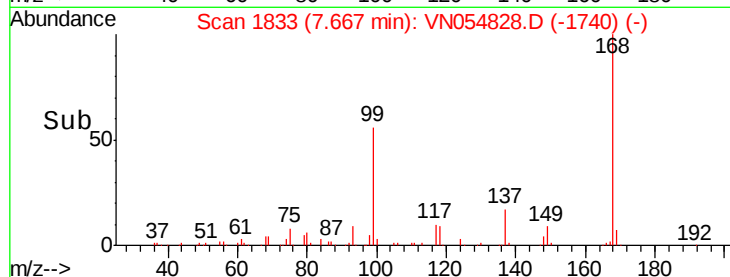
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN054828.D

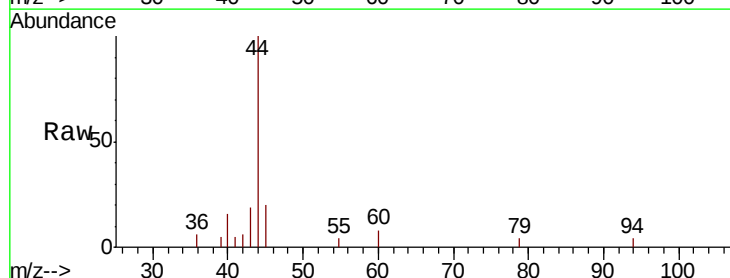
Acq: 31 Mar 2019 3:31

Tgt Ion: 94 Resp: 128

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

250

200

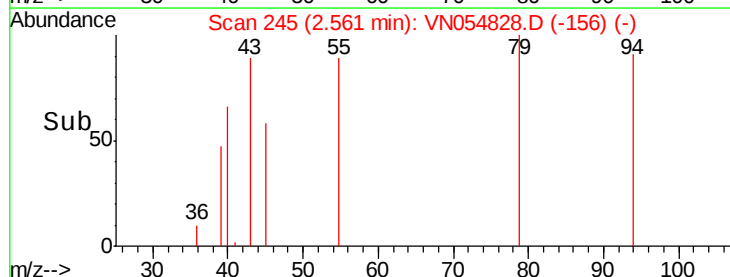
150

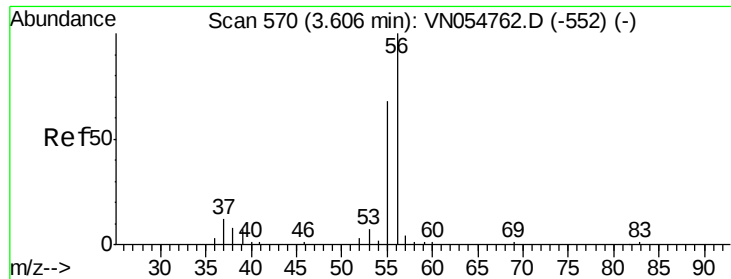
100

50

0

Time--> 2.55 2.56 2.57





#13

Acrolein

Concen: 0.546 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054828.D

Acq: 31 Mar 2019 3:31

Instrument :

MSVOA_N

ClientSampleId :

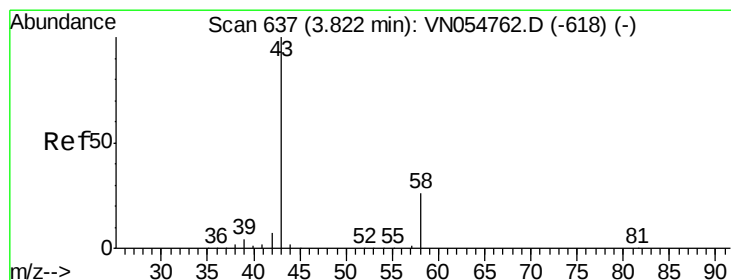
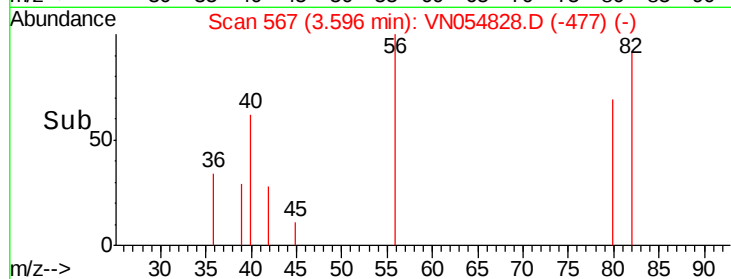
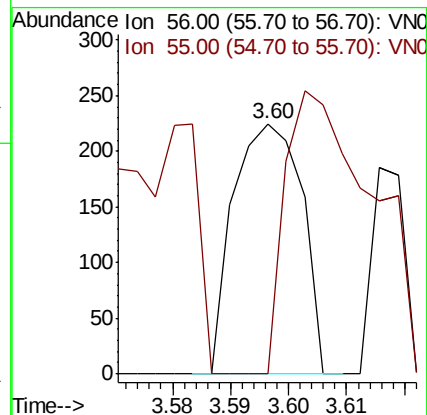
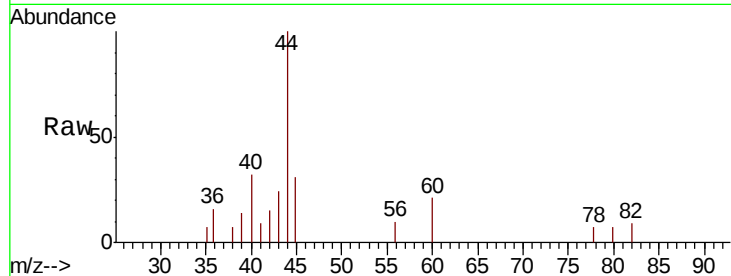
MW-5

Tot Ion: 56 Resp: 183

Ion Ratio Lower Upper

56 100

55 144.3 56.7 85.1#



#16

Acetone

Concen: 0.329 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.01 min

Lab File: VN054828.D

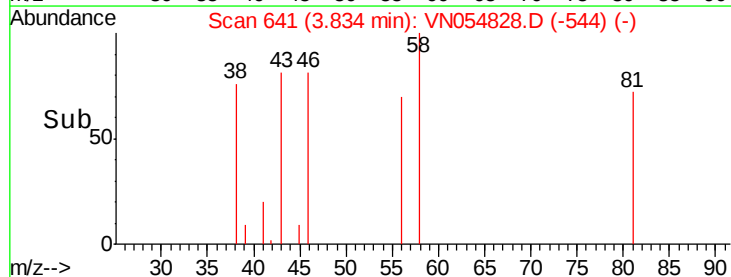
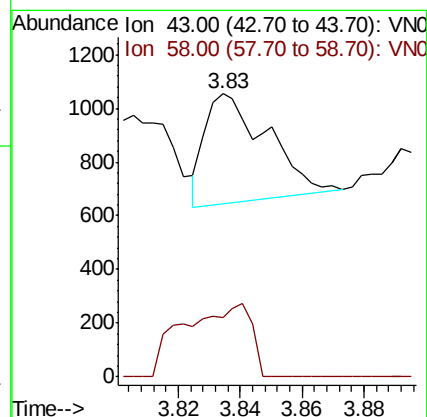
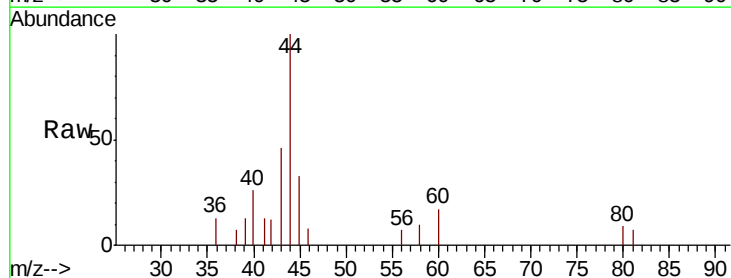
Acq: 31 Mar 2019 3:31

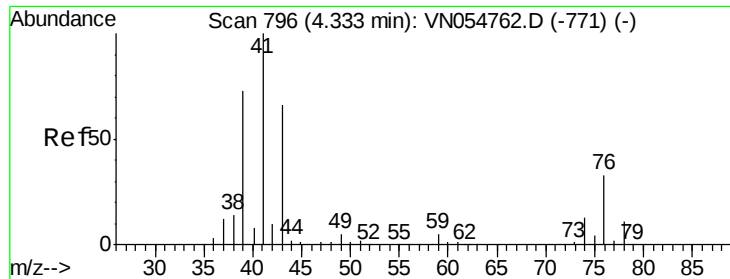
Tgt Ion: 43 Resp: 565

Ion Ratio Lower Upper

43 100

58 61.9 29.9 44.9#

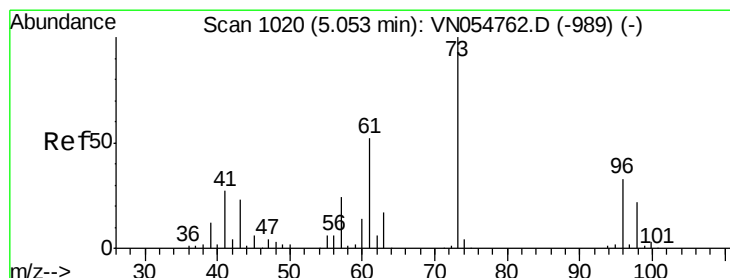
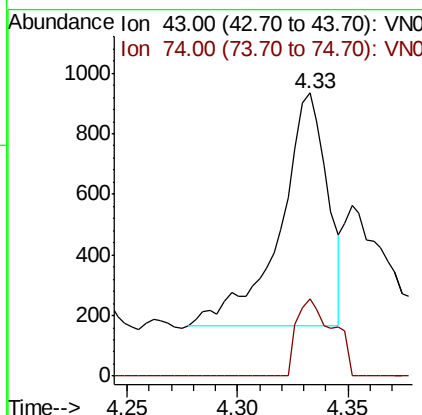
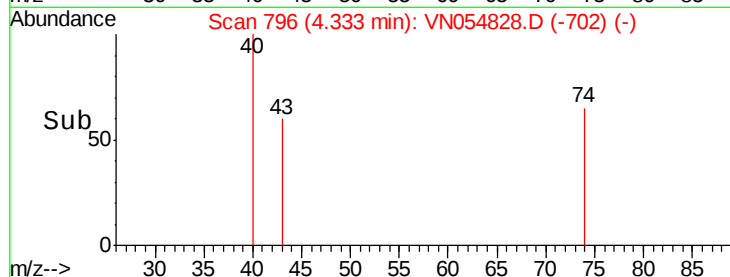
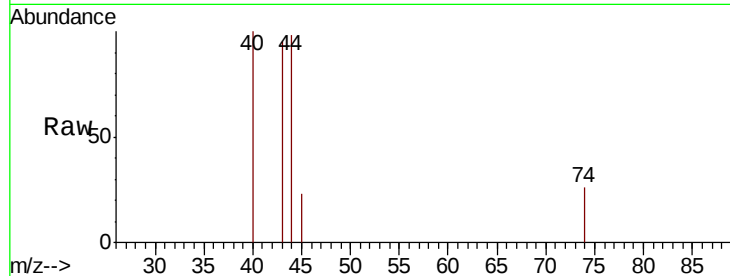




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

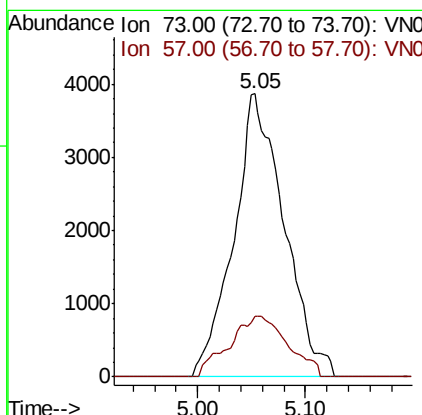
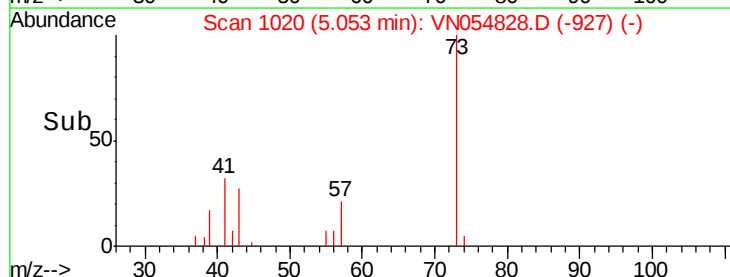
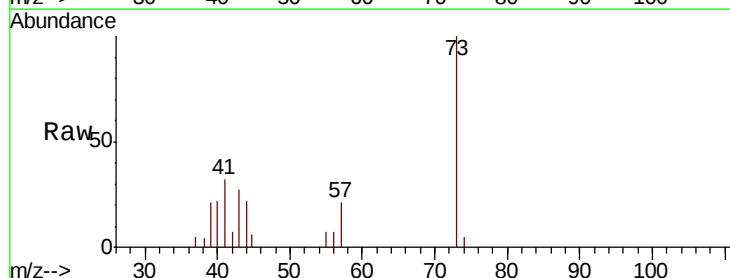
Instrument :
MSVOA_N
ClientSampled :
MW-5

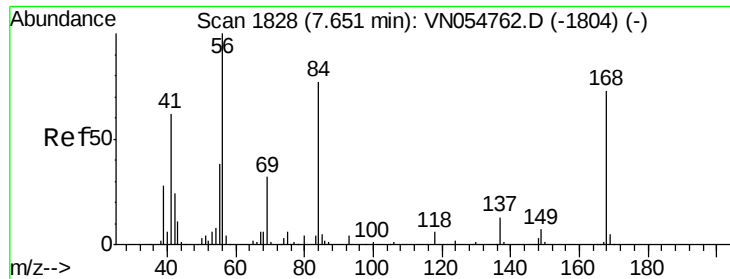
Tot Ion: 43 Resp: 1158
Ion Ratio Lower Upper
43 100
74 25.1 20.8 31.2



#19
Methyl tert-butyl Ether
Concen: 0.857 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

Tgt Ion: 73 Resp: 12582
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054828.D

Acq: 31 Mar 2019 3:31

Instrument :

MSVOA_N

ClientSampled :

MW-5

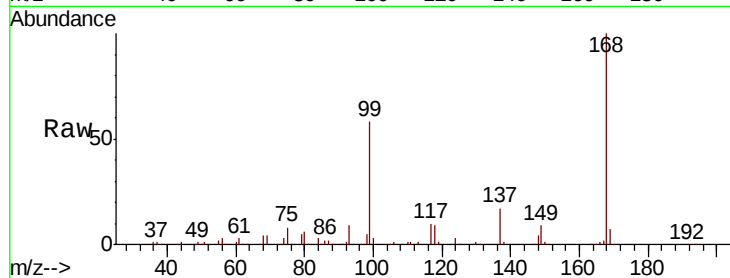
Tot Ion: 56 Resp: 12188

Ion Ratio Lower Upper

56 100

69 155.7 27.8 41.6#

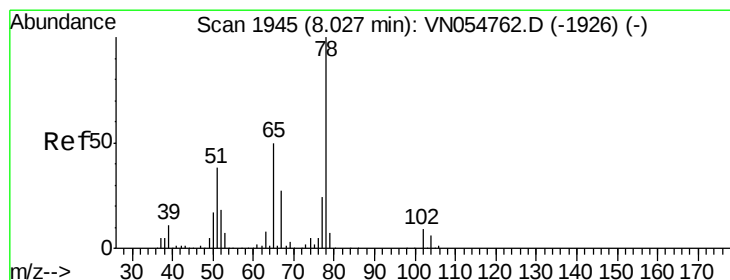
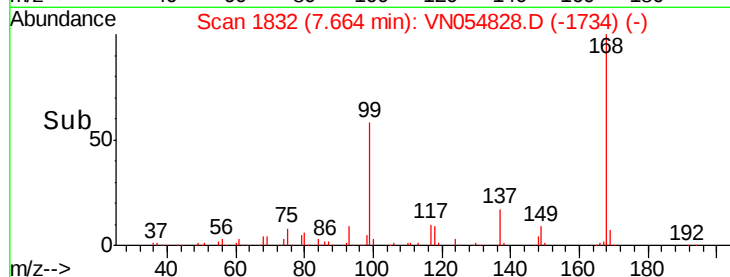
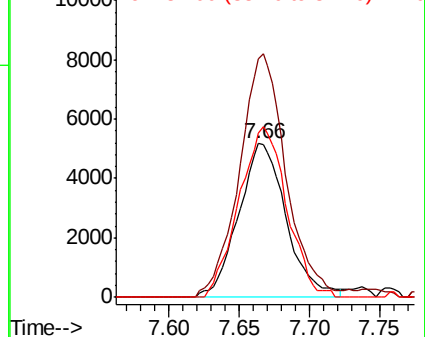
84 110.0 74.6 111.8



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: 47.809 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054828.D

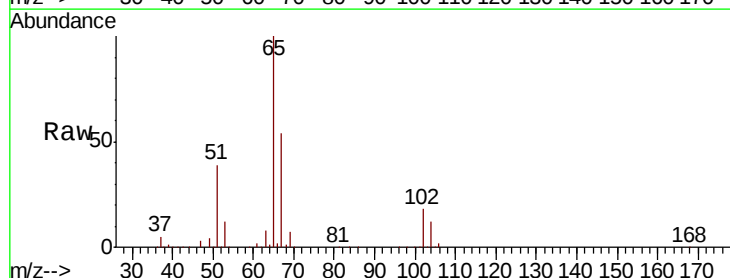
Acq: 31 Mar 2019 3:31

Tgt Ion: 65 Resp: 344135

Ion Ratio Lower Upper

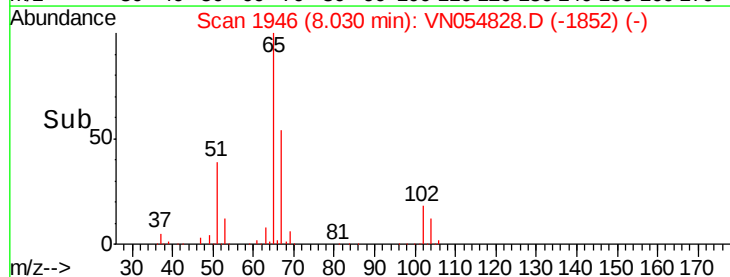
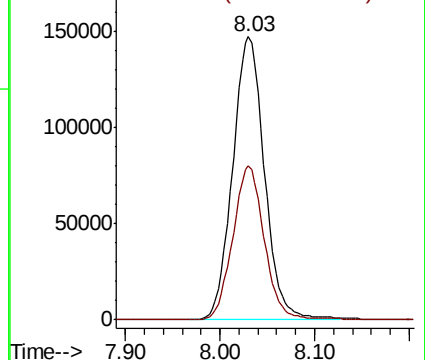
65 100

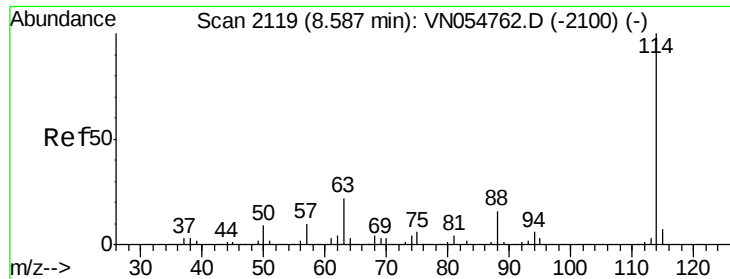
67 53.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

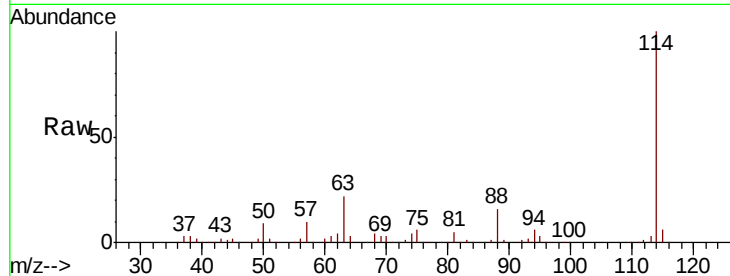




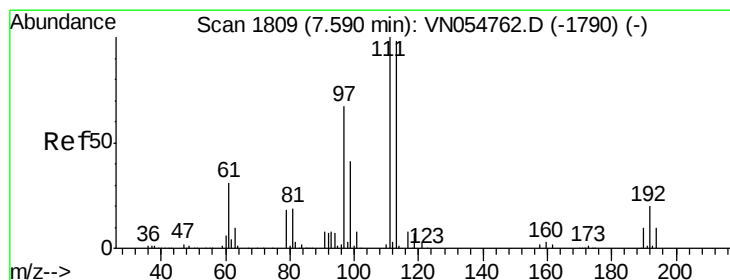
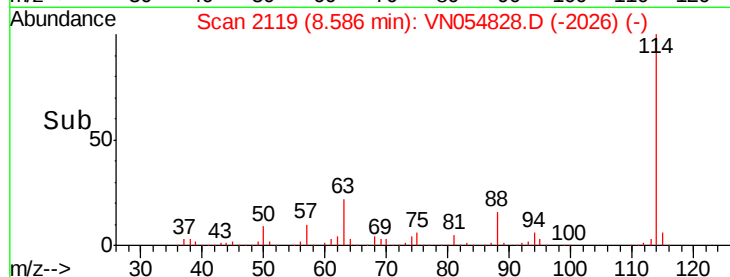
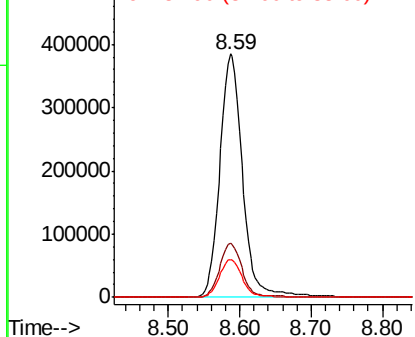
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion:114 Resp: 852691
Ion Ratio Lower Upper
114 100
63 22.5 0.0 35.2
88 15.7 0.0 30.2

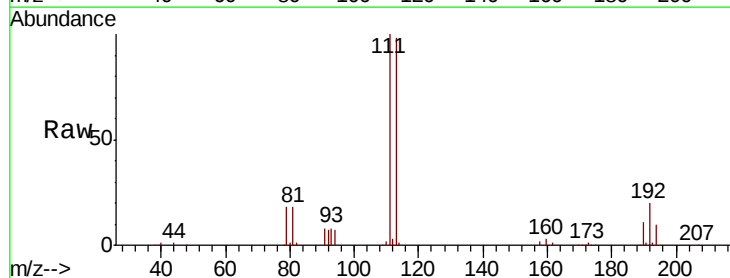


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

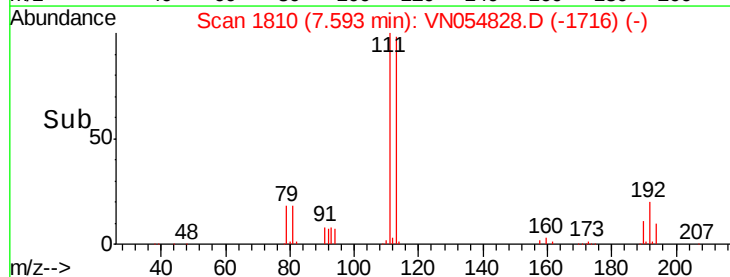
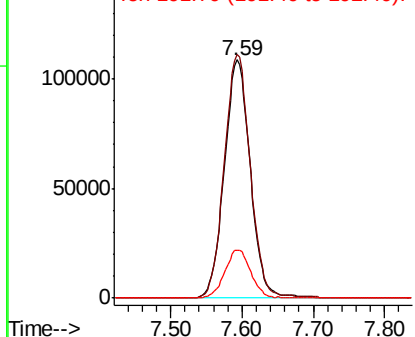


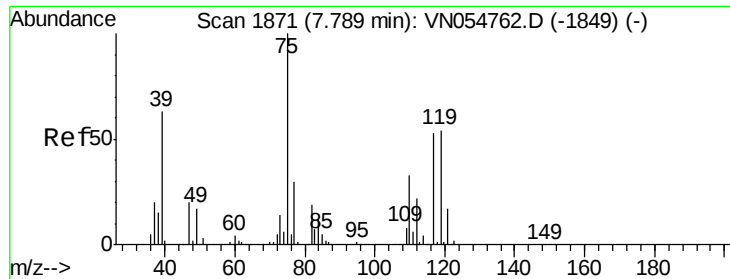
#35
Dibromofluoromethane
Concen: 48.437 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

Tgt Ion:113 Resp: 275355
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.4
192 20.1 19.2 28.8



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

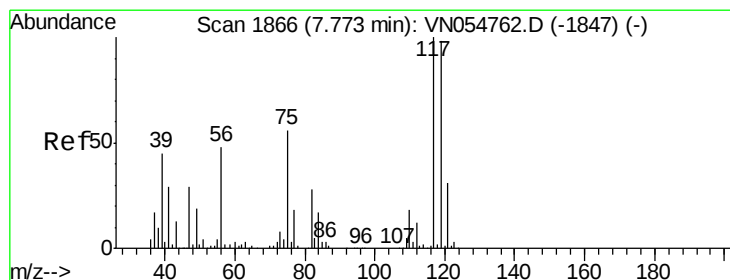
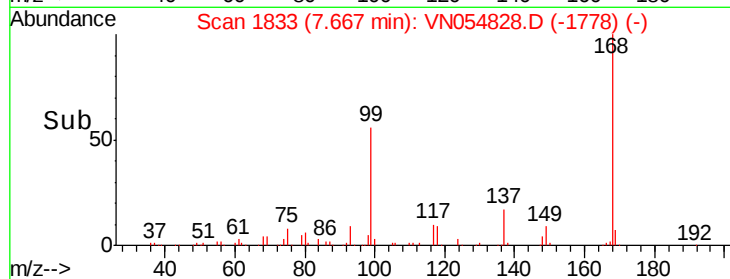
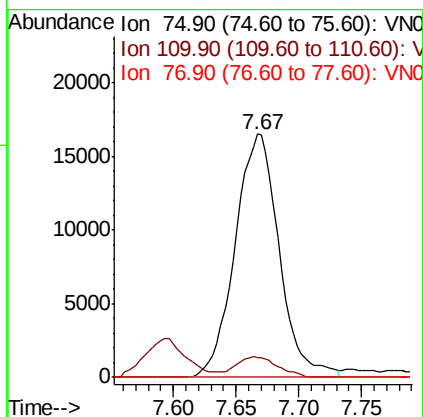
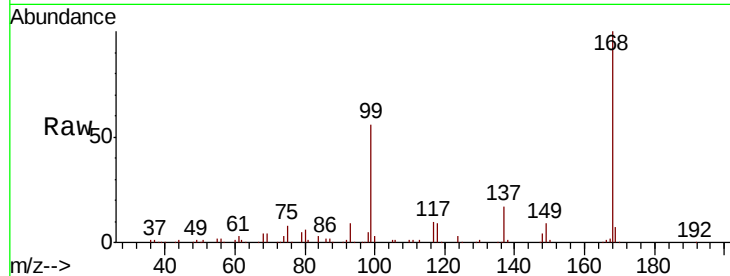




#36
 1,1-Dichloropropene
 Concen: 5.075 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054828.D
 Acq: 31 Mar 2019 3:31

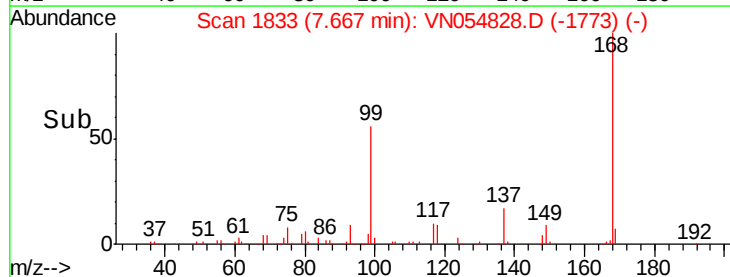
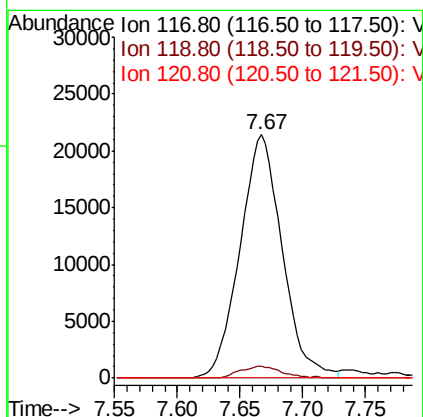
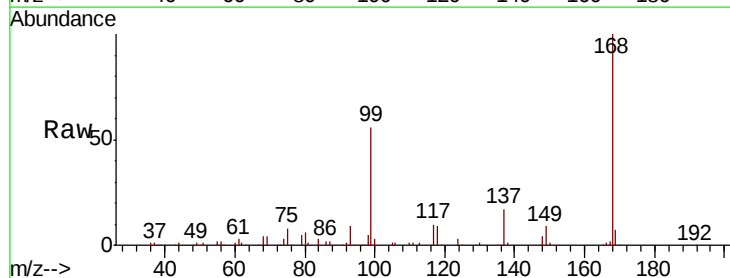
Instrument :
 MSVOA_N
 ClientSampled :
 MW-5

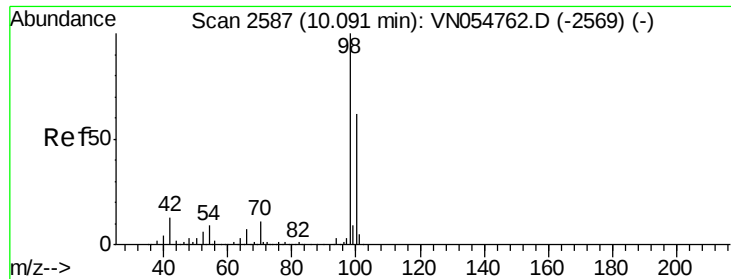
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.506 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054828.D
 Acq: 31 Mar 2019 3:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.3	114.5#
121	0.0	24.6	36.8#

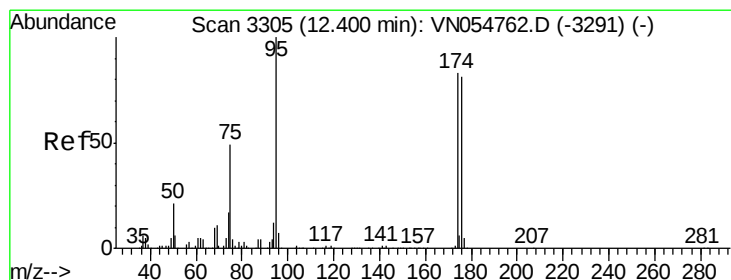
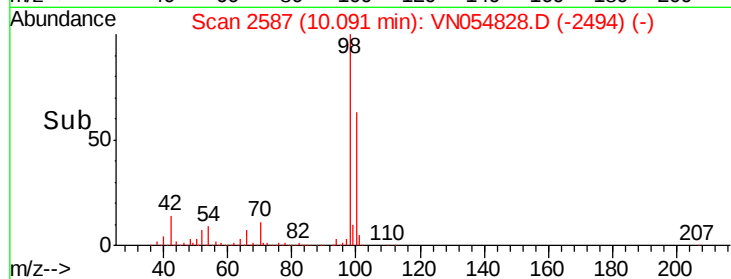
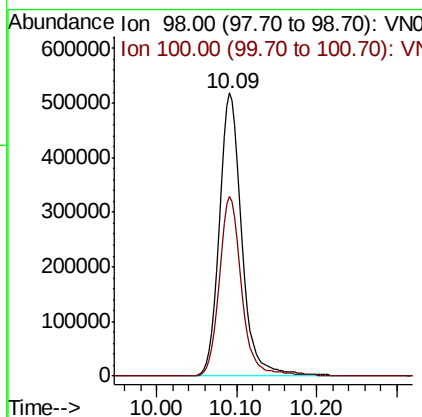
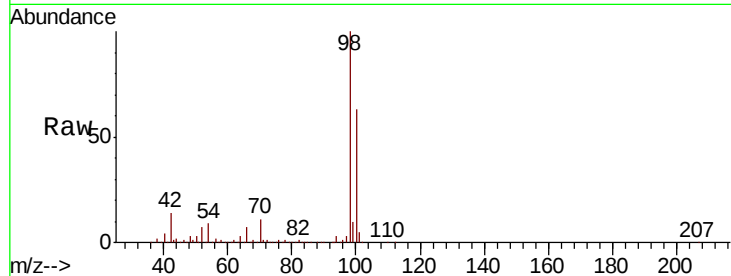




#50
Toluene-d8
Concen: 47.820 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

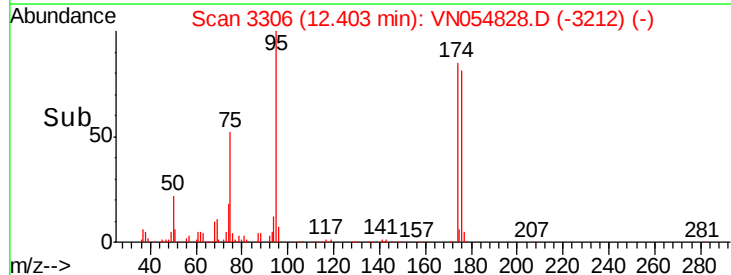
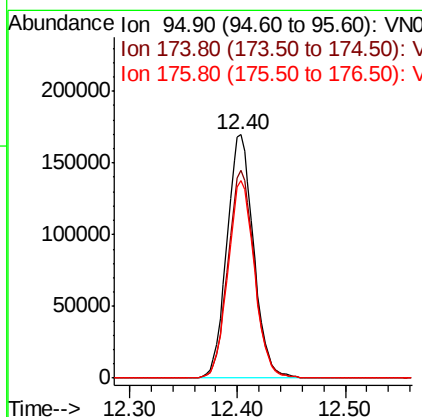
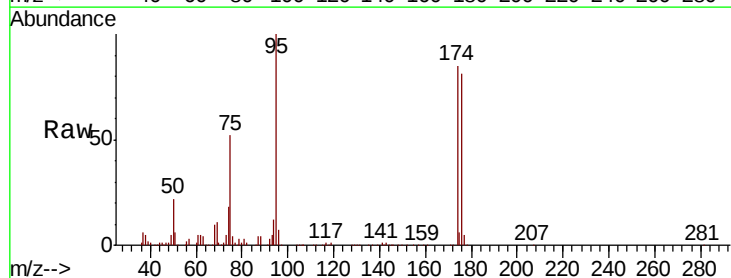
Instrument :
MSVOA_N
ClientSampled :
MW-5

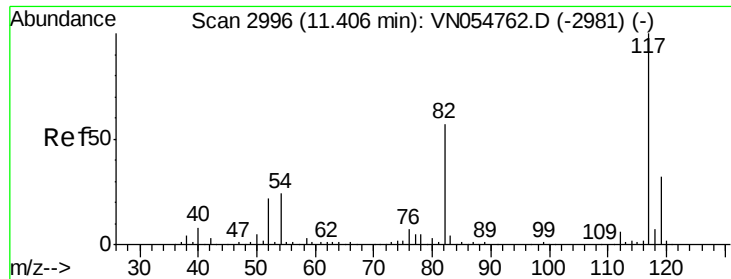
Tot Ion: 98 Resp: 1010666
Ion Ratio Lower Upper
98 100
100 62.8 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 41.712 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

Tgt Ion: 95 Resp: 293192
Ion Ratio Lower Upper
95 100
174 84.8 0.0 191.0
176 80.8 0.0 187.4

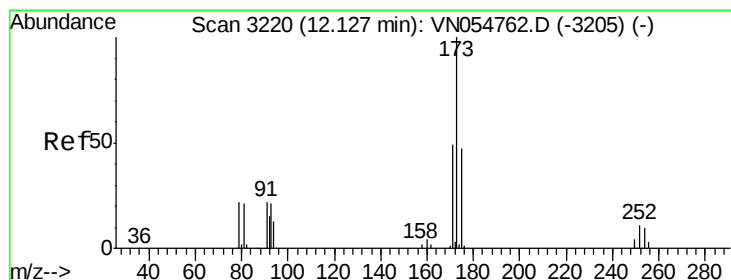
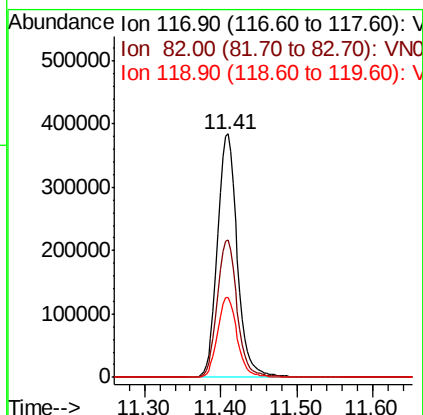
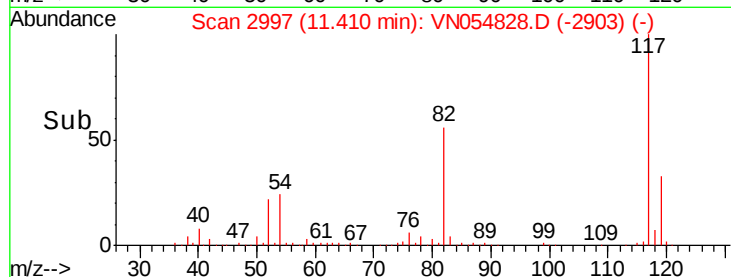
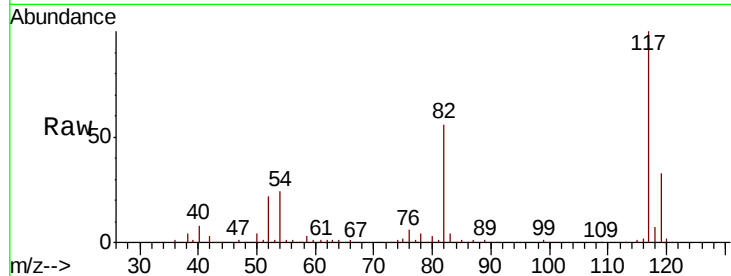




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

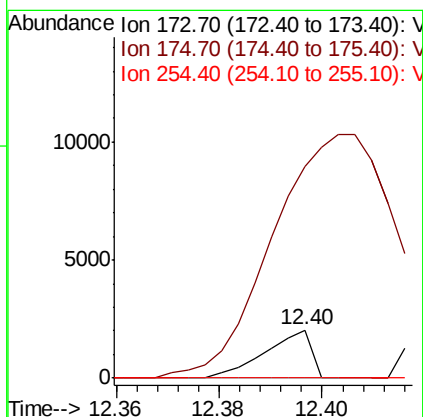
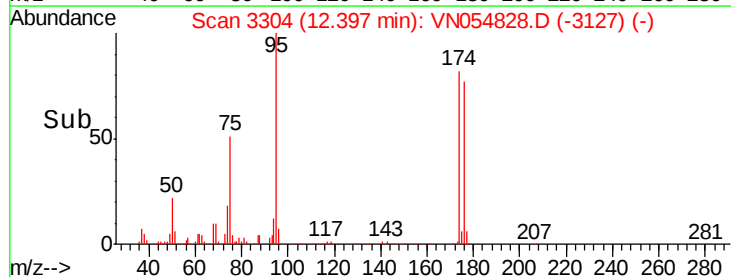
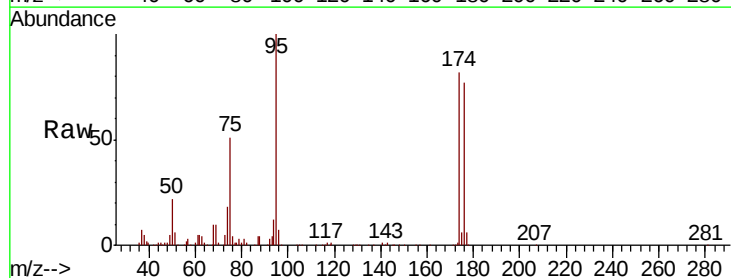
Instrument :
MSVOA_N
ClientSampled :
MW-5

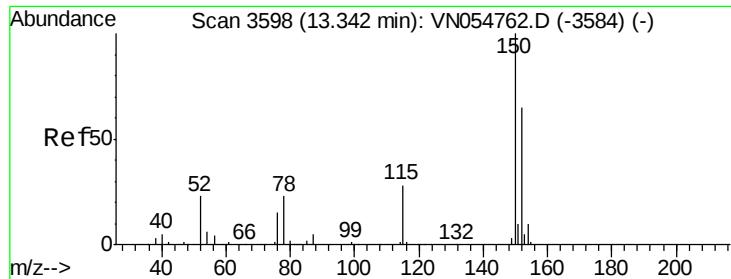
Tot Ion:117 Resp: 694614
Ion Ratio Lower Upper
117 100
82 56.2 40.0 60.0
119 32.6 25.8 38.6



#71
Bromoform
Concen: 0.422 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

Tgt Ion:173 Resp: 1259
Ion Ratio Lower Upper
173 100
175 1199.6 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054828.D

Acq: 31 Mar 2019 3:31

Instrument :

MSVOA_N

ClientSampled :

MW-5

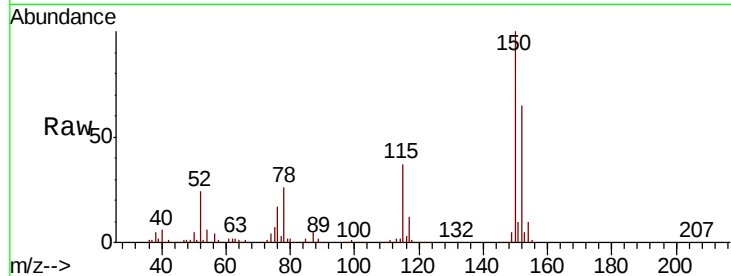
Tot Ion:152 Resp: 229825

Ion Ratio Lower Upper

152 100

115 58.0 27.2 81.6

150 154.7 0.0 349.2



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

250000

200000

150000

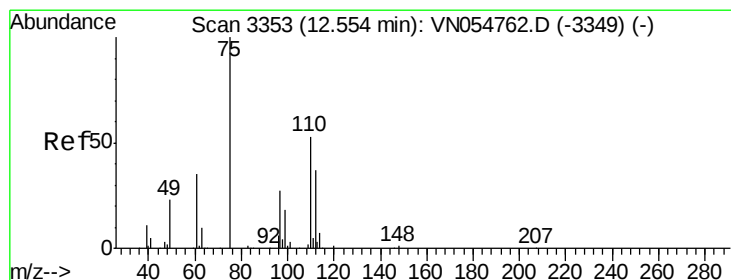
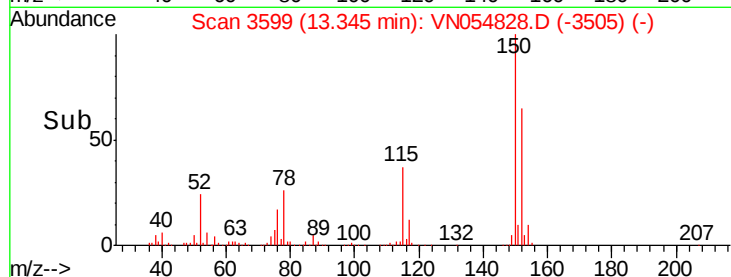
100000

50000

0

13.30 13.35 13.40

Time-->



#76

1,2,3-Trichloropropane

Concen: 38.069 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054828.D

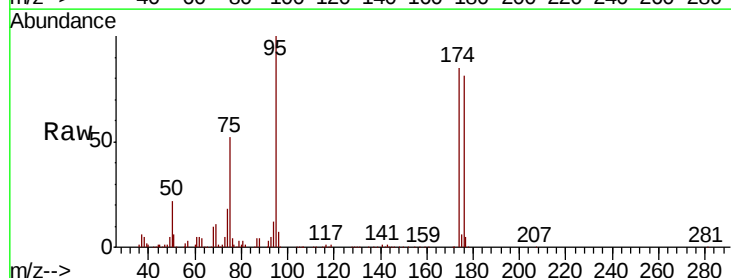
Acq: 31 Mar 2019 3:31

Tgt Ion: 75 Resp: 151995

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

100000

80000

60000

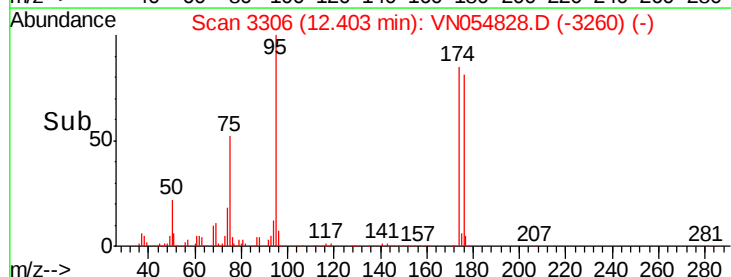
40000

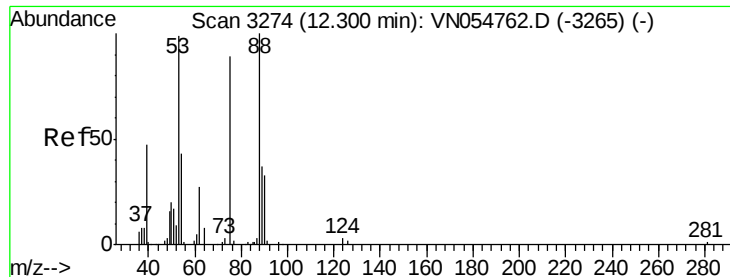
20000

0

12.30 12.40 12.50

Time-->

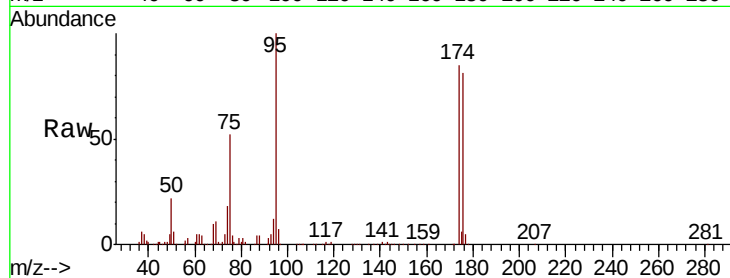




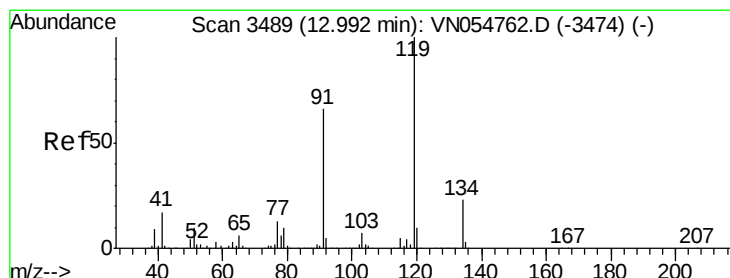
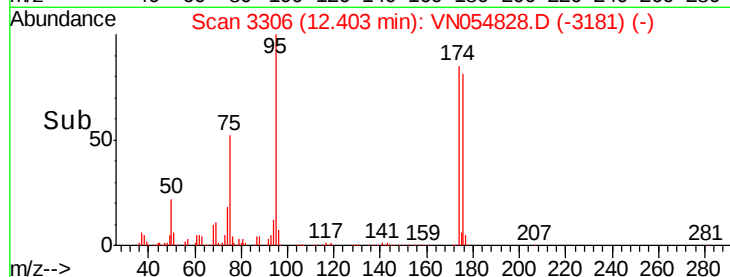
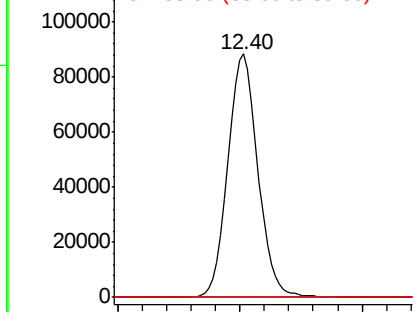
#81
trans-1,4-Dichloro-2-butene
Concen: 148.080 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

Instrument :
MSVOA_N
ClientSampleId :
MW-5

Tot Ion: 75 Resp: 151995
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#

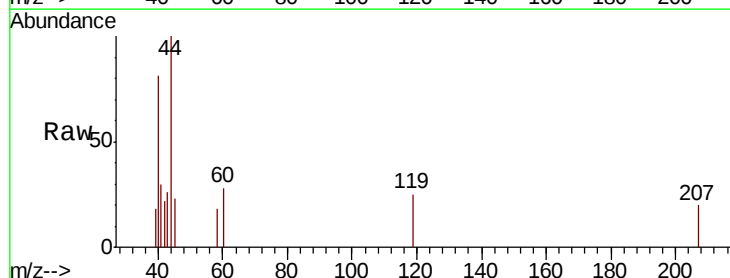


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.00 min Scan# 3492
Delta R.T. 0.01 min
Lab File: VN054828.D
Acq: 31 Mar 2019 3:31

Tgt Ion: 119 Resp: 113
Ion Ratio Lower Upper
119 100
91 30.1 30.9 92.8#
134 0.0 13.2 39.6#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN0
Ion 134.00 (133.70 to 134.70): V

