

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054823.D
 Acq On : 31 Mar 2019 1:18
 Operator : JC/SP
 Sample : K2164-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Quant Time: Mar 31 04:43:03 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	511293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	842038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	219269	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	346690	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	273322	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	10.09	98	993121	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
62) 4-Bromofluorobenzene	12.40	95	282490	40.70	ug/l	0.00
Spiked Amount			Recovery	=	81.40%	

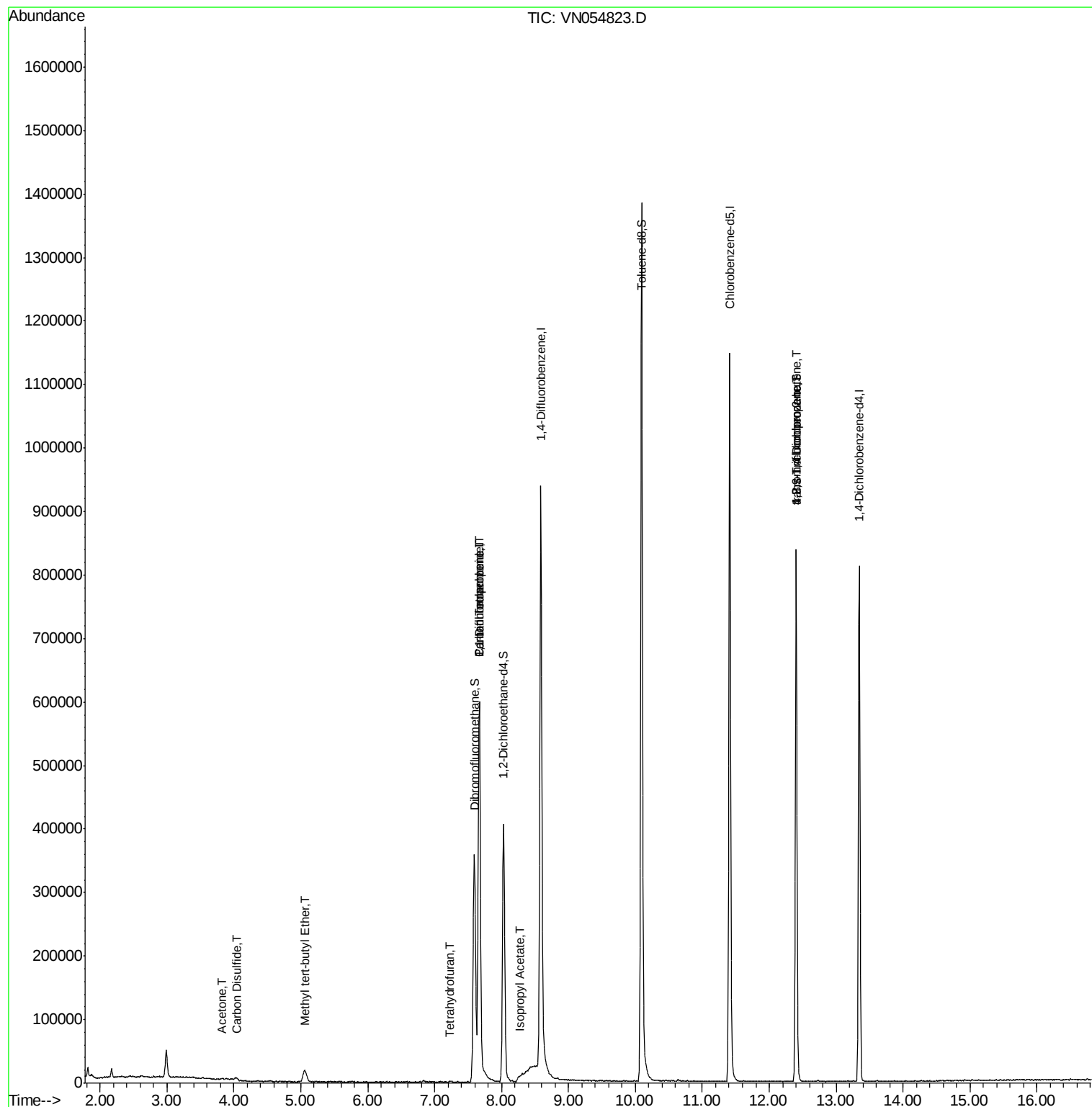
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	211	Below Cal	#	74
16) Acetone	3.82	43	1043	0.635	ug/l #	38
17) Carbon Disulfide	4.04	76	3288	0.252	ug/l #	91
18) Methyl Acetate	4.35	43	1116	Below Cal		90
19) Methyl tert-butyl Ether	5.06	73	29687	2.112	ug/l #	90
29) Tetrahydrofuran	7.23	42	354	0.210	ug/l #	30
31) Cyclohexane	7.66	56	10840	Below Cal	#	19
36) 1,1-Dichloropropene	7.66	75	39547	5.040	ug/l #	47
38) Carbon Tetrachloride	7.67	117	47432	6.224	ug/l #	17
43) Isopropyl Acetate	8.26	43	5333	0.570	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.41	83	103	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	147392	38.694	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	147392	150.508	ug/l #	11

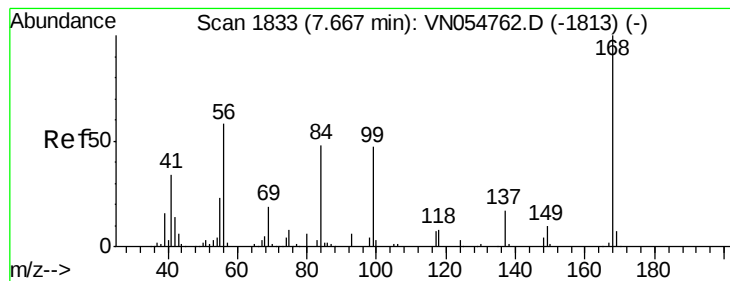
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033019\
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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 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: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampled :

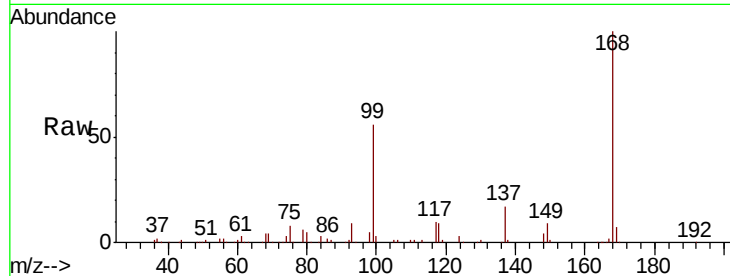
MW-1R

Tot Ion:168 Resp: 511293

Ion Ratio Lower Upper

168 100

99 55.7 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

200000

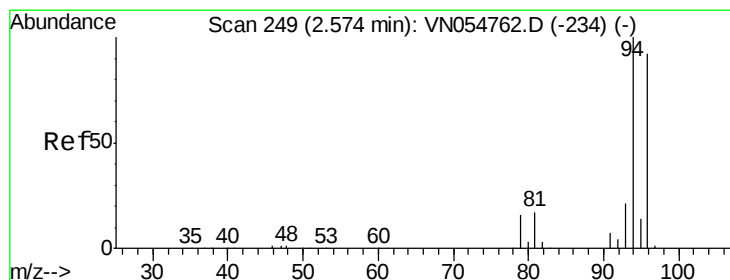
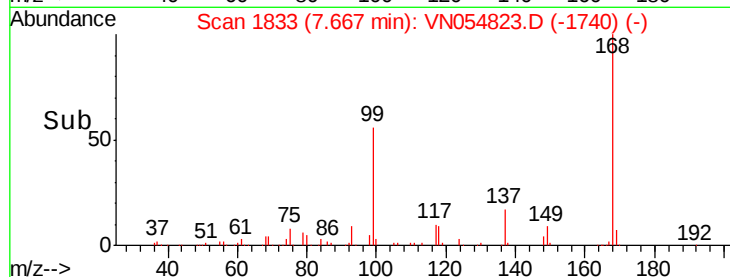
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054823.D

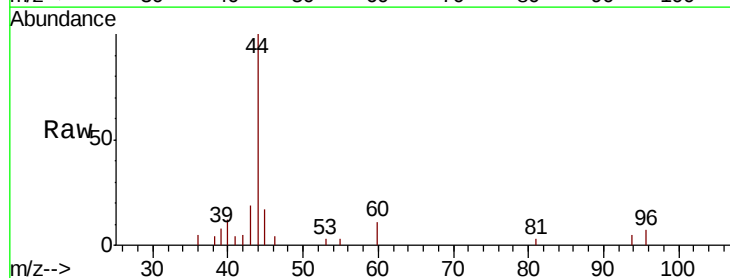
Acq: 31 Mar 2019 1:18

Tgt Ion: 94 Resp: 211

Ion Ratio Lower Upper

94 100

96 122.1 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.58

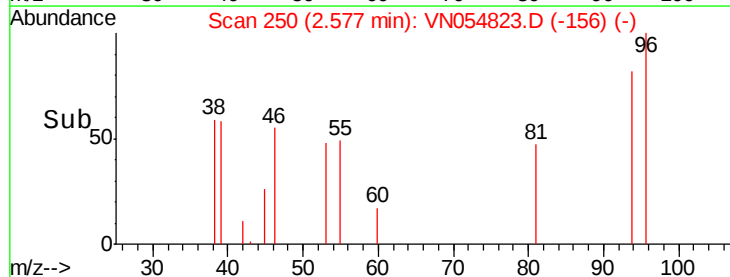
300

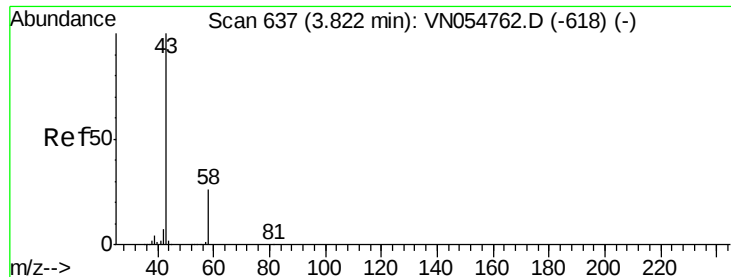
200

100

0

Time-->





#16

Acetone

Concen: 0.635 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampled :

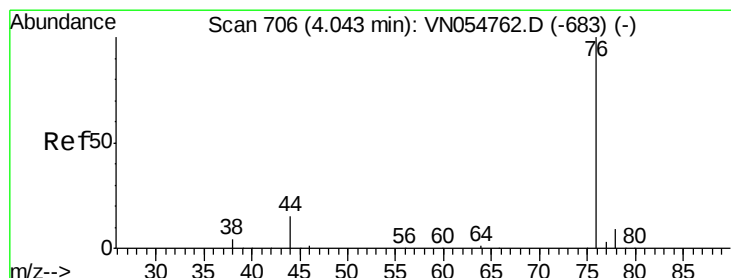
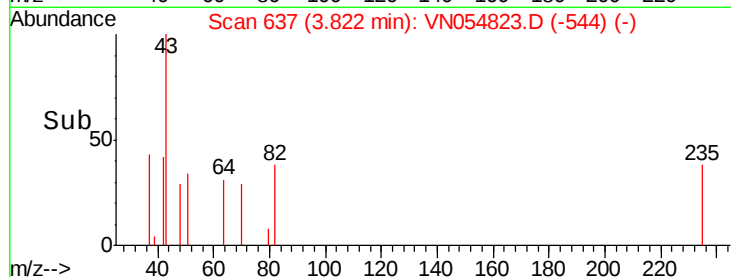
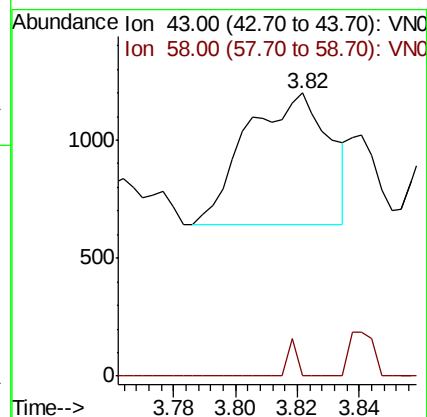
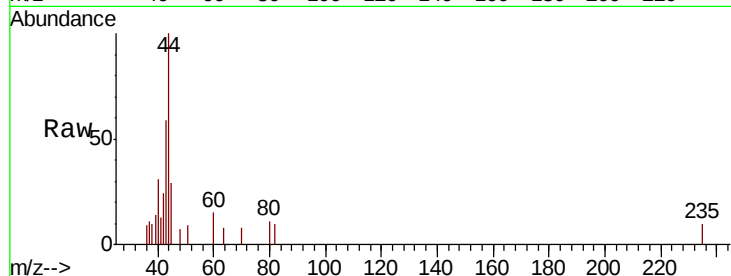
MW-1R

Tot Ion: 43 Resp: 1043

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



#17

Carbon Disulfide

Concen: 0.252 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054823.D

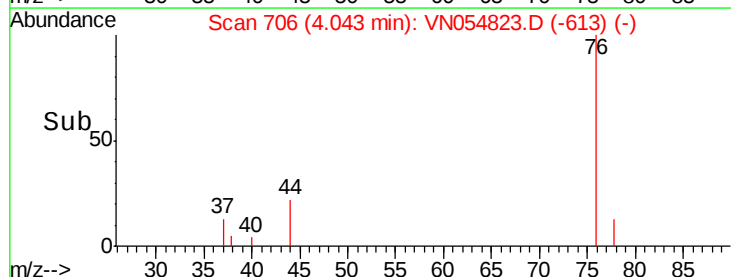
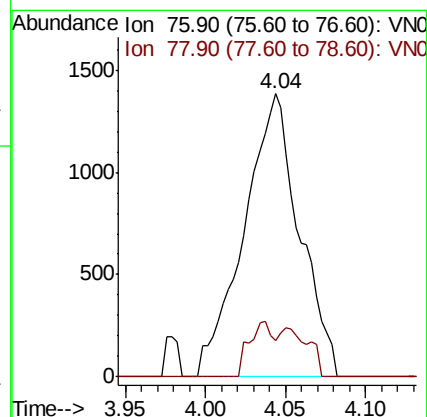
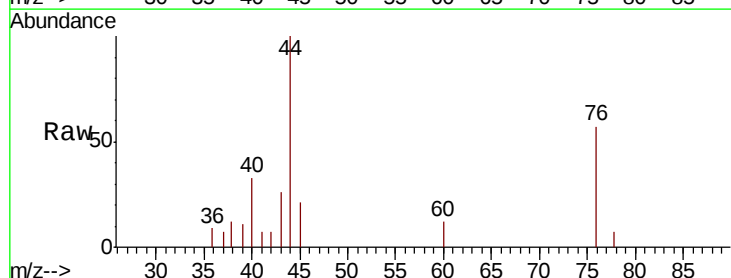
Acq: 31 Mar 2019 1:18

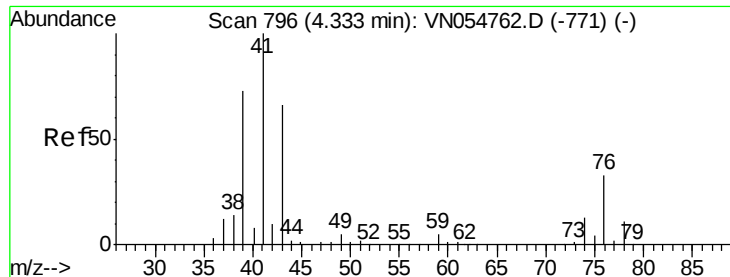
Tgt Ion: 76 Resp: 3288

Ion Ratio Lower Upper

76 100

78 12.8 7.5 11.3#

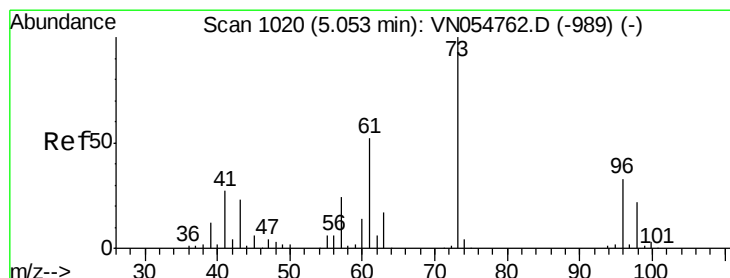
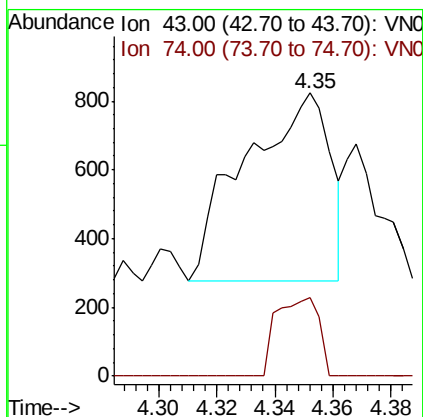
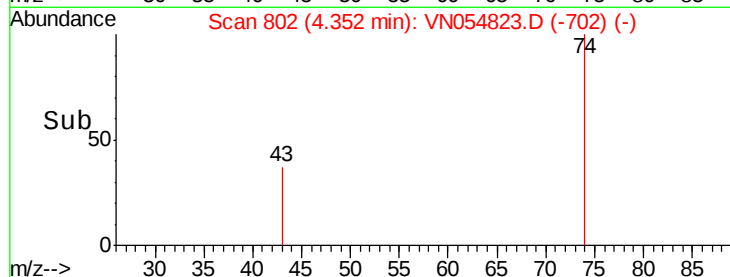
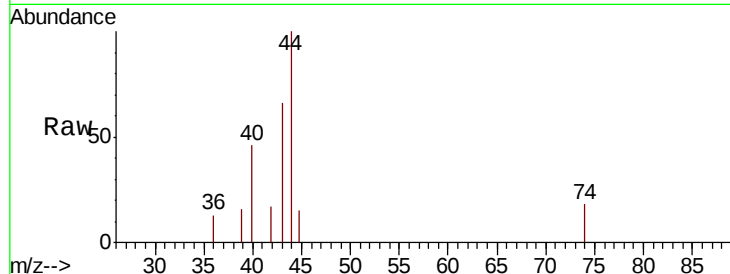




#18
Methyl Acetate
Concen: Below Cal
RT: 4.35 min Scan# 802
Delta R.T. 0.02 min
Lab File: VN054823.D
Acq: 31 Mar 2019 1:18

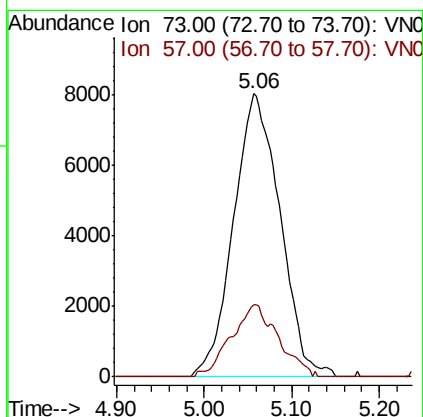
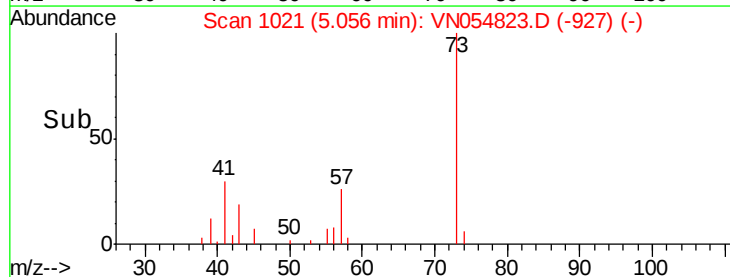
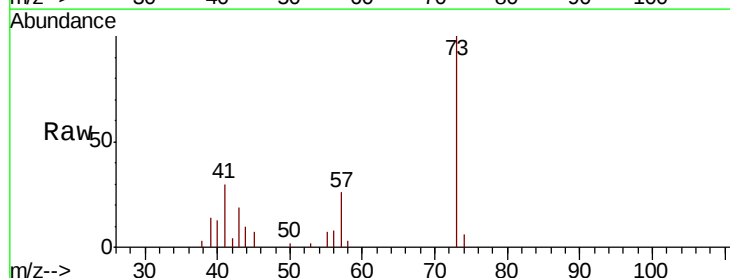
Instrument :
MSVOA_N
ClientSampled :
MW-1R

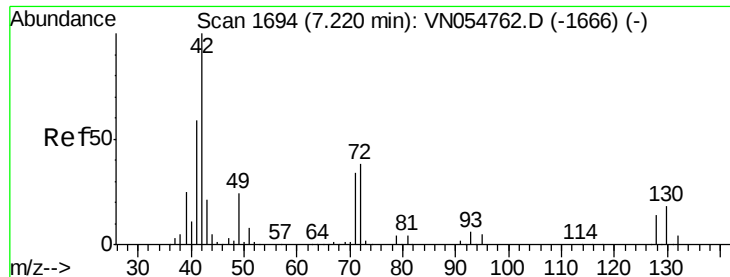
Tot Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
74 20.9 20.8 31.2



#19
Methyl tert-butyl Ether
Concen: 2.112 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054823.D
Acq: 31 Mar 2019 1:18

Tgt Ion: 73 Resp: 29687
Ion Ratio Lower Upper
73 100
57 25.6 16.8 25.2#





#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

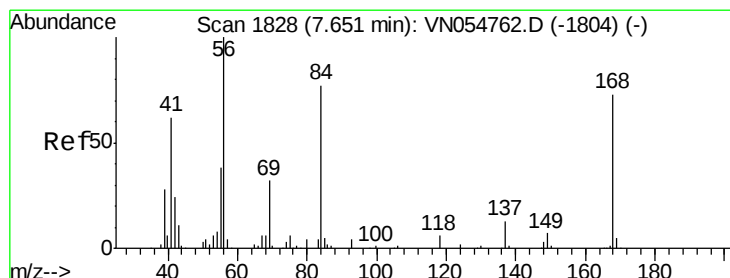
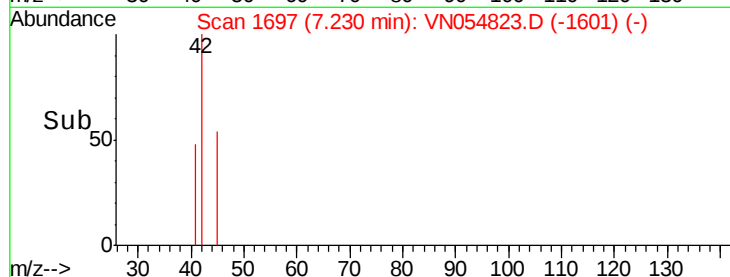
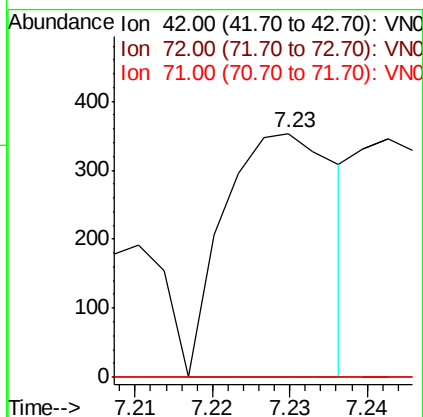
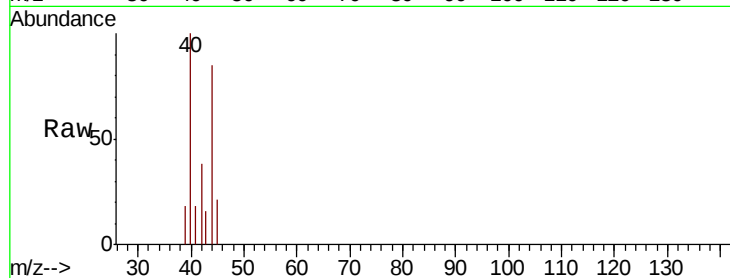
Tot Ion: 42 Resp: 354

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 0.0 36.2 54.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

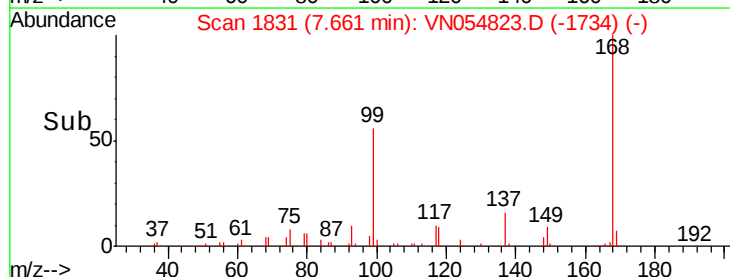
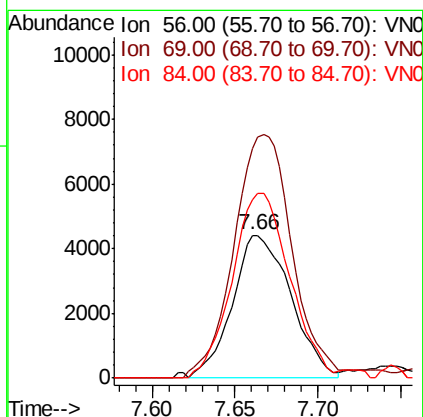
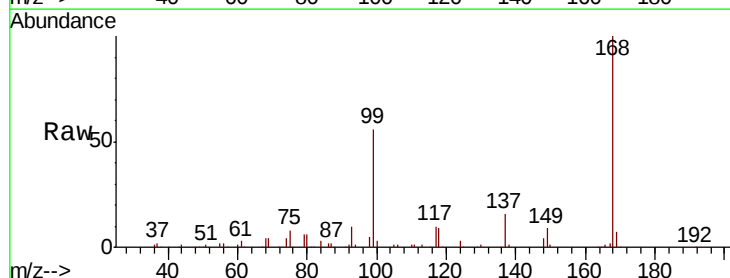
Tgt Ion: 56 Resp: 10840

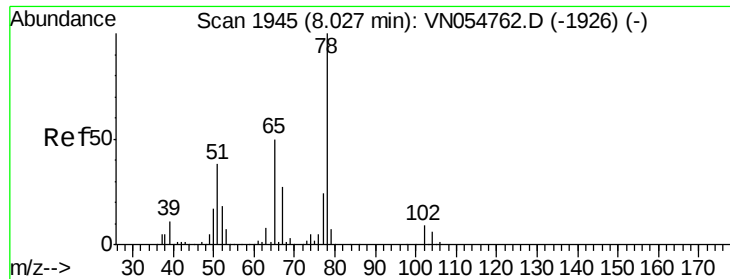
Ion Ratio Lower Upper

56 100

69 156.8 27.8 41.6#

84 124.7 74.6 111.8#

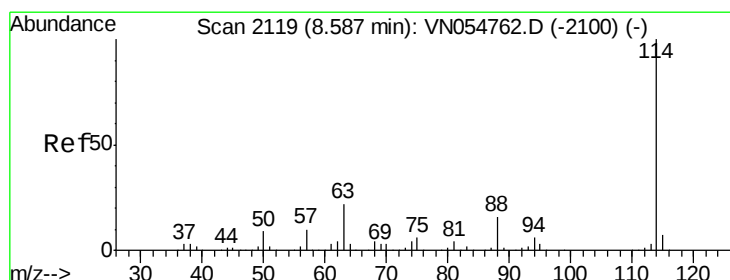
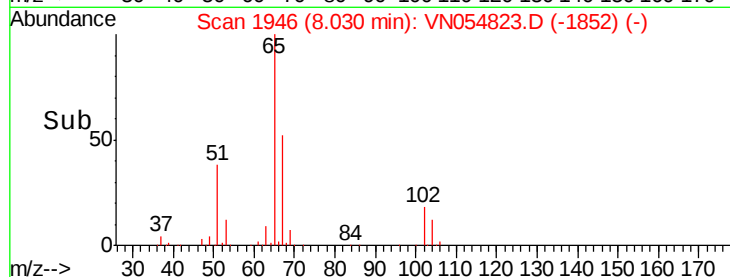
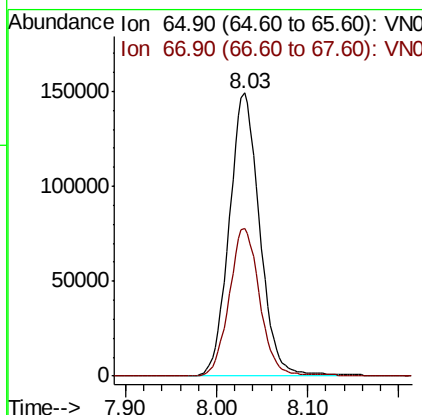
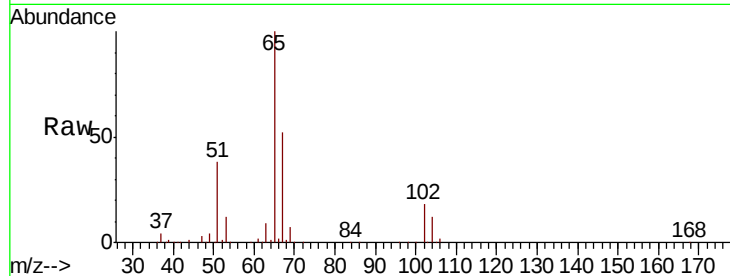




#33
 1,2-Dichloroethane-d4
 Concen: 50.301 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054823.D
 Acq: 31 Mar 2019 1:18

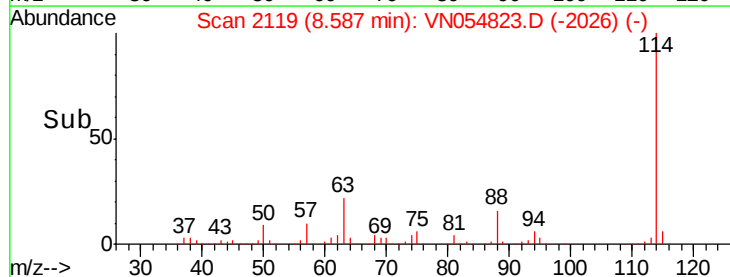
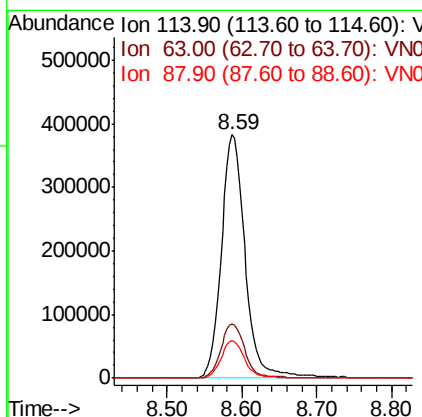
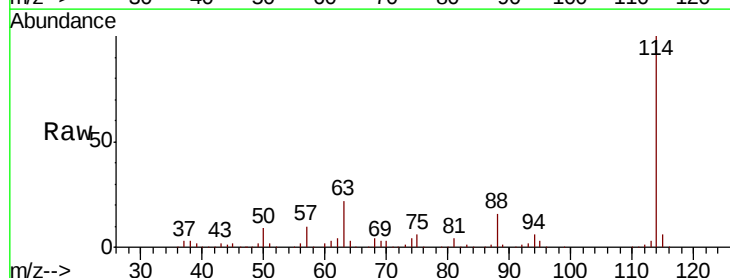
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

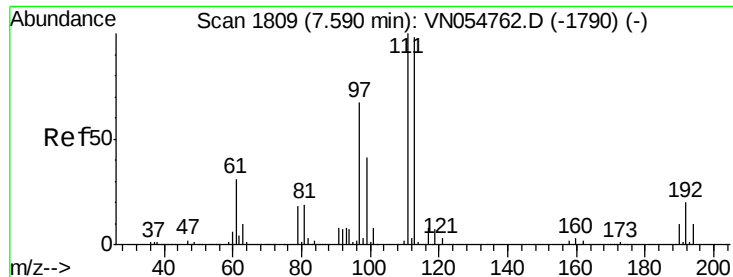
Tot Ion: 65 Resp: 346690
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054823.D
 Acq: 31 Mar 2019 1:18

Tgt Ion: 114 Resp: 842038
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.6 0.0 30.2

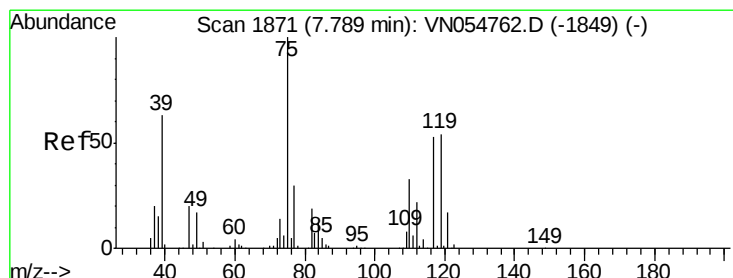
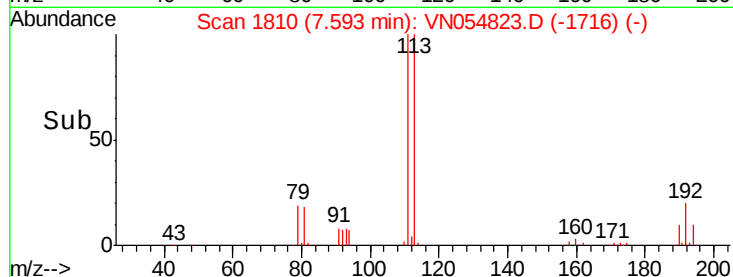
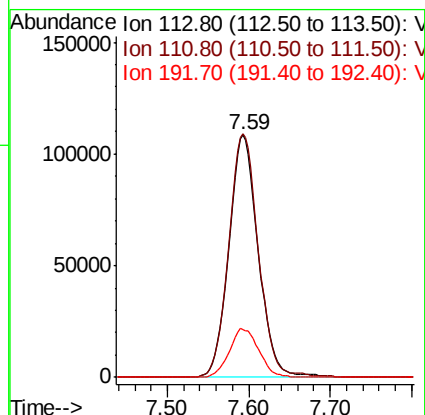
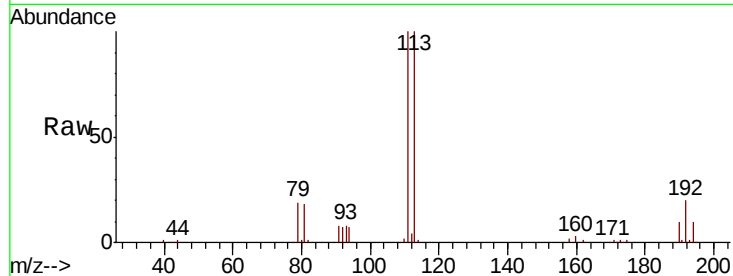




#35
 Dibromofluoromethane
 Concen: 48.688 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054823.D
 Acq: 31 Mar 2019 1:18

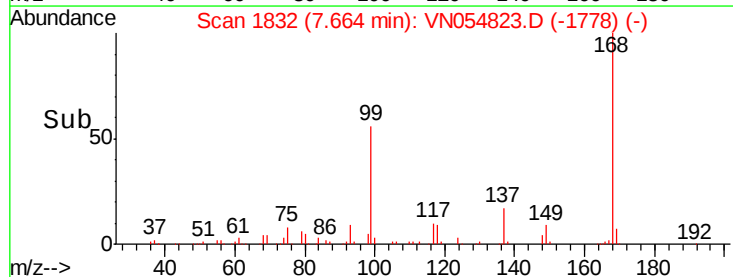
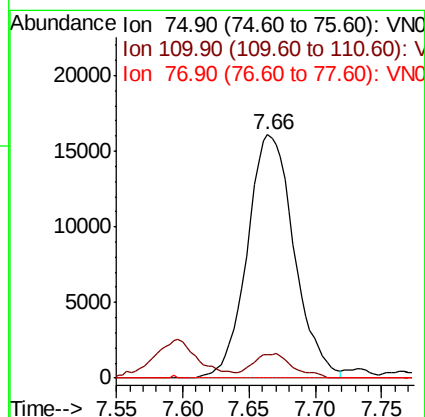
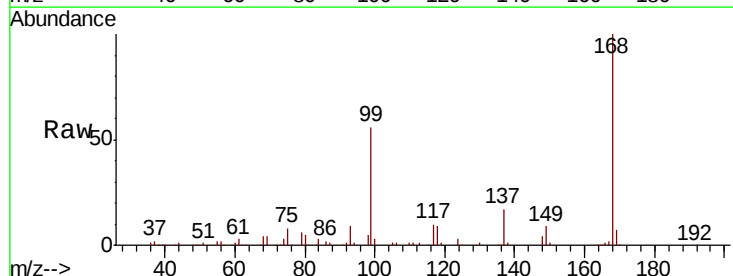
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 ClientSampleId :
 MW-1R

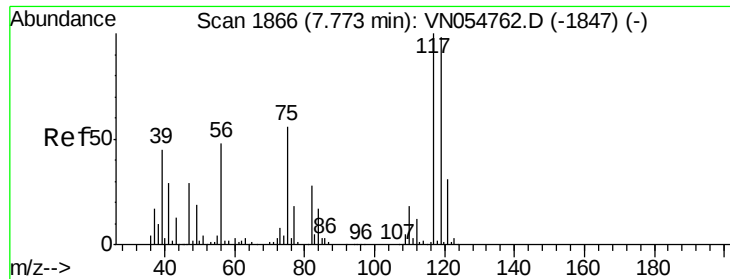
Tot Ion:113 Resp: 273322
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.2 123.4
 192 20.3 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 5.040 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054823.D
 Acq: 31 Mar 2019 1:18

Tgt Ion: 75 Resp: 39547
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.224 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampled :

MW-1R

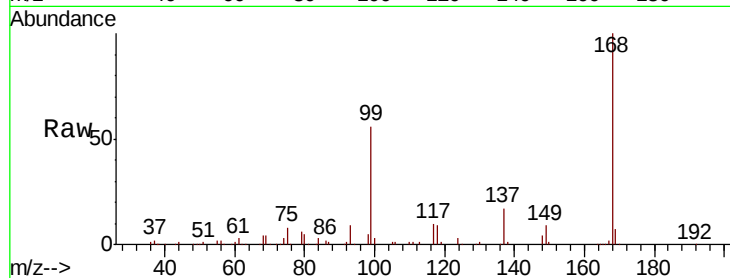
Tot Ion:117 Resp: 47432

Ion Ratio Lower Upper

117 100

119 6.1 76.3 114.5#

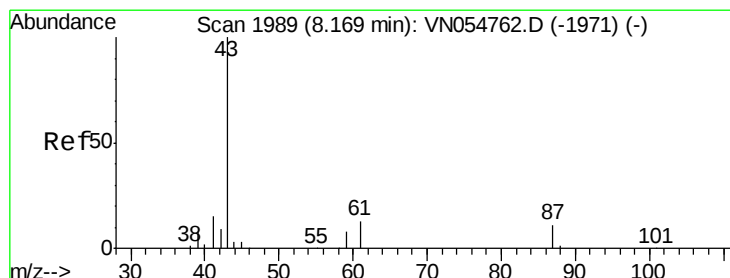
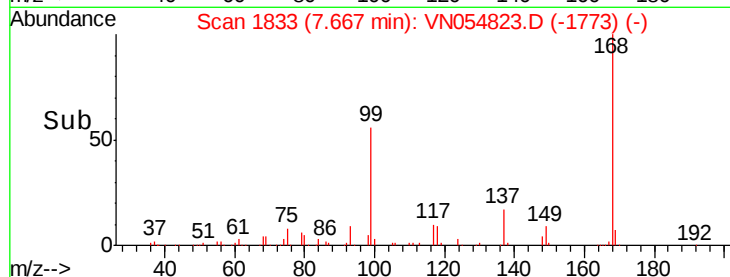
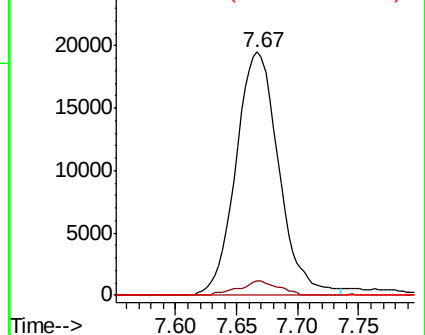
121 0.0 24.6 36.8#



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: 0.570 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.09 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

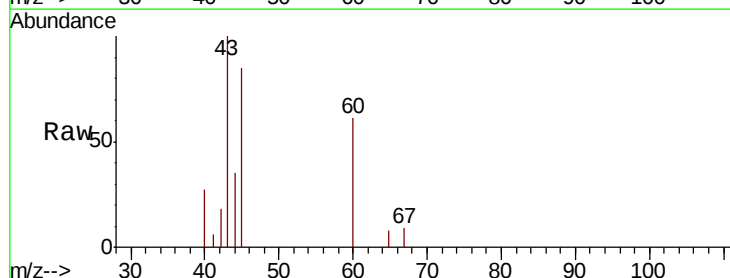
Tgt Ion: 43 Resp: 5333

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

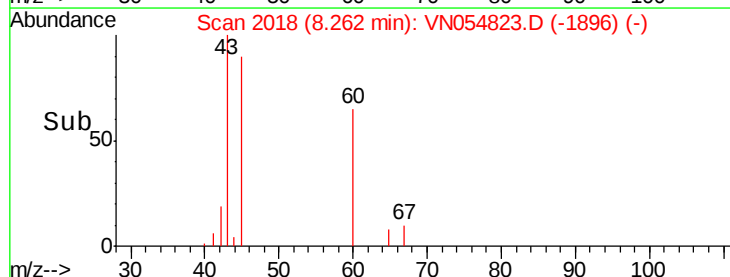
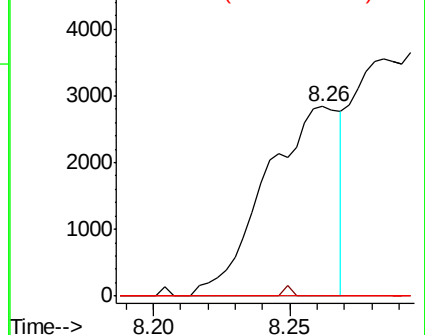
87 0.0 12.0 18.0#

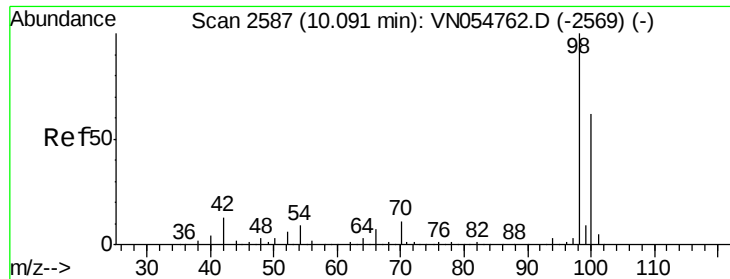


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 47.584 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampleId :

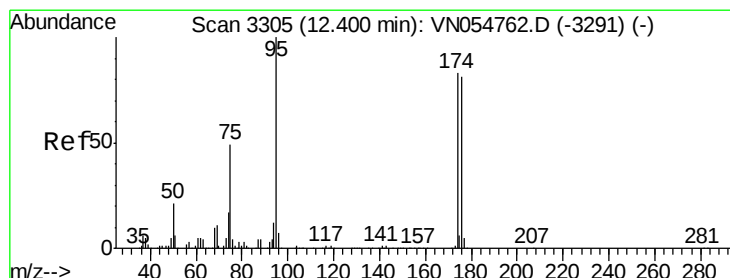
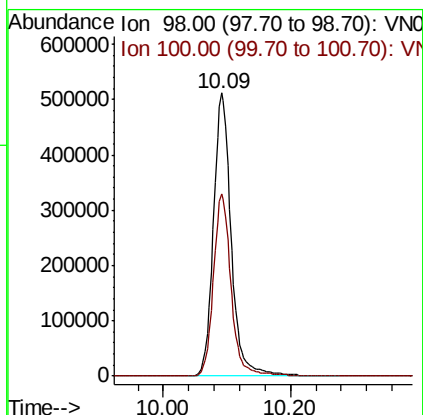
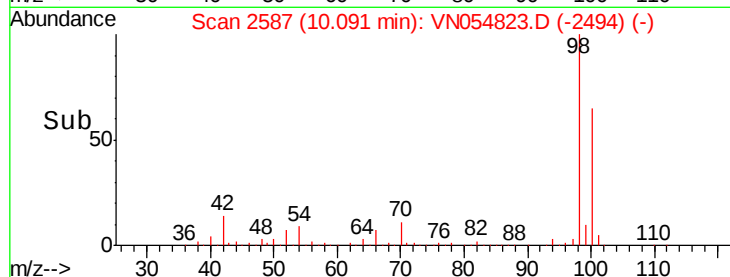
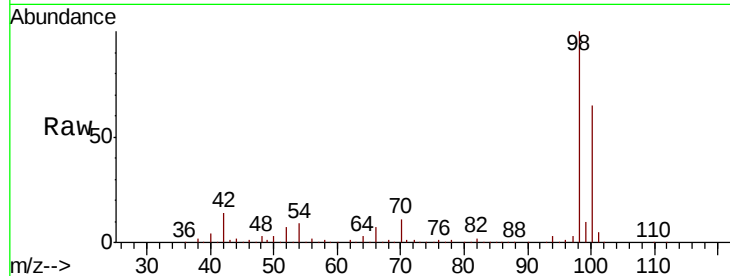
MW-1R

Tot Ion: 98 Resp: 993121

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 40.698 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

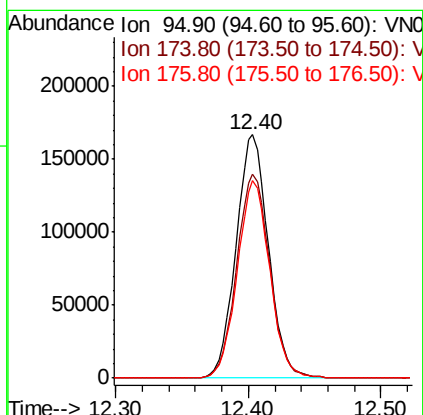
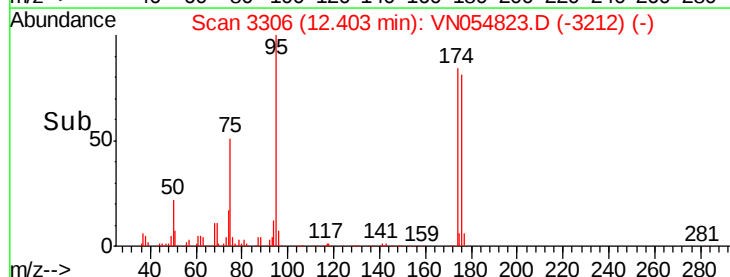
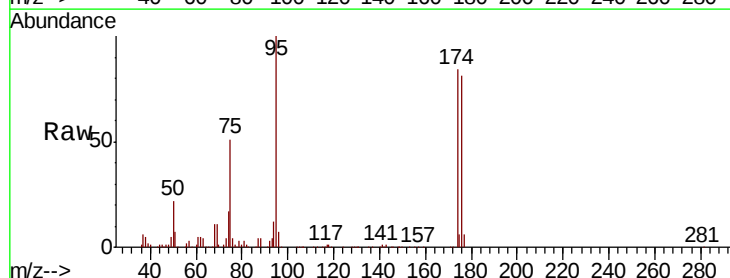
Tgt Ion: 95 Resp: 282490

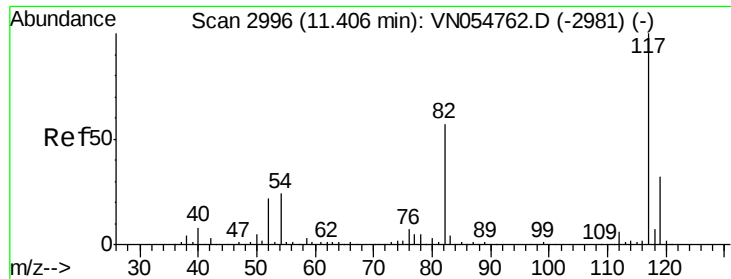
Ion Ratio Lower Upper

95 100

174 85.8 0.0 191.0

176 81.6 0.0 187.4

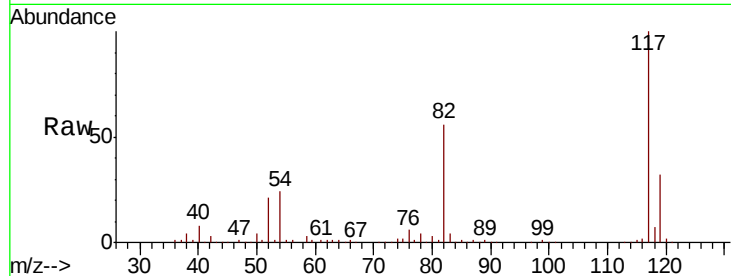




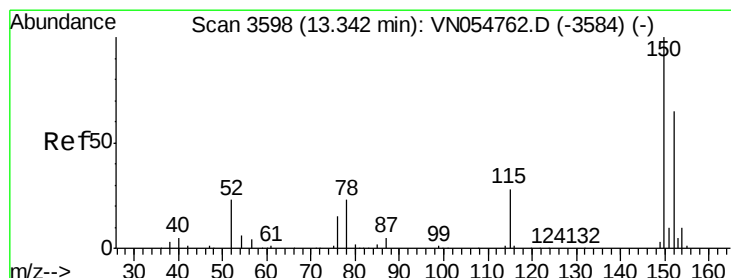
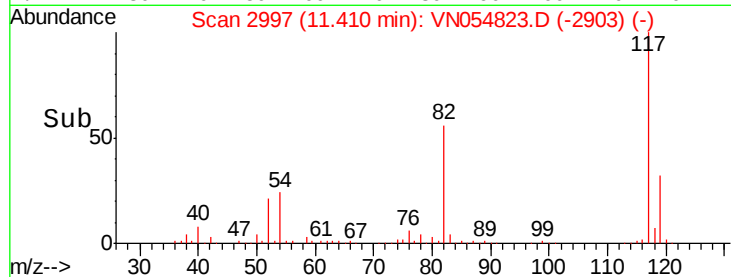
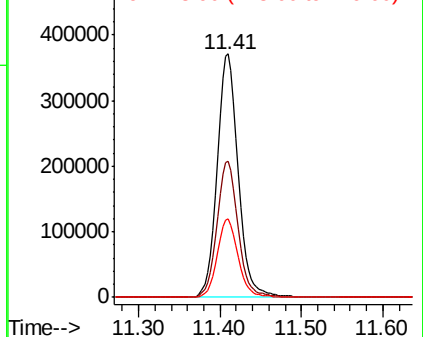
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054823.D
Acq: 31 Mar 2019 1:18

Instrument :
MSVOA_N
ClientSampleId :
MW-1R

Tot Ion:117 Resp: 677349
Ion Ratio Lower Upper
117 100
82 55.7 40.0 60.0
119 32.0 25.8 38.6

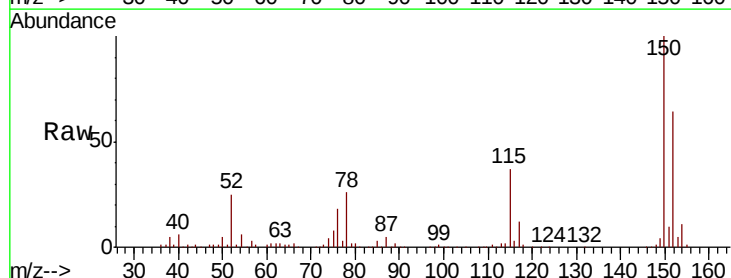


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

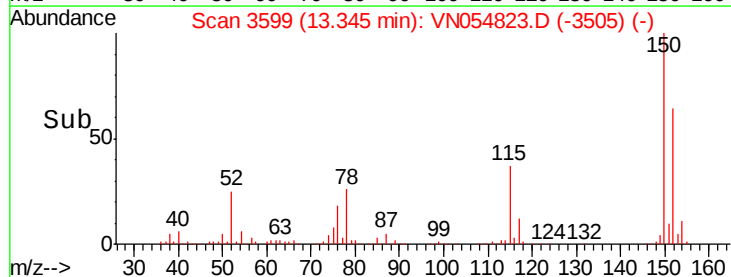
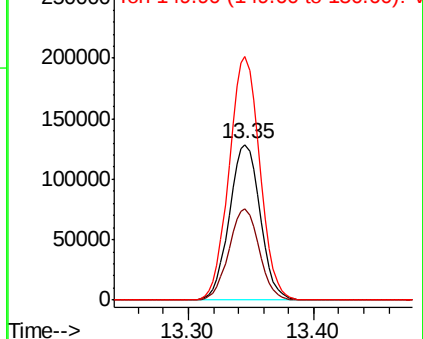


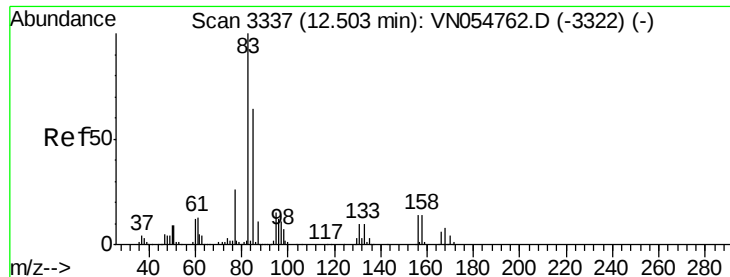
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054823.D
Acq: 31 Mar 2019 1:18

Tgt Ion:152 Resp: 219269
Ion Ratio Lower Upper
152 100
115 57.7 27.2 81.6
150 156.2 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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3309

Delta R.T. -0.09 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

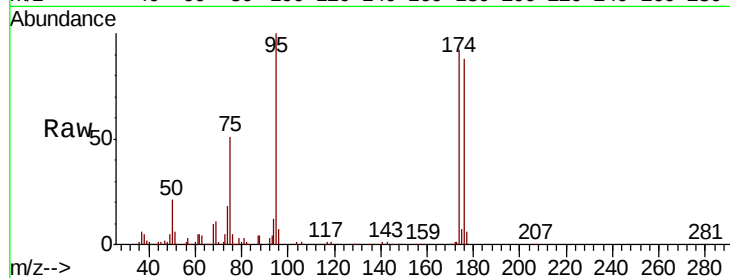
Tot Ion: 83 Resp: 103

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

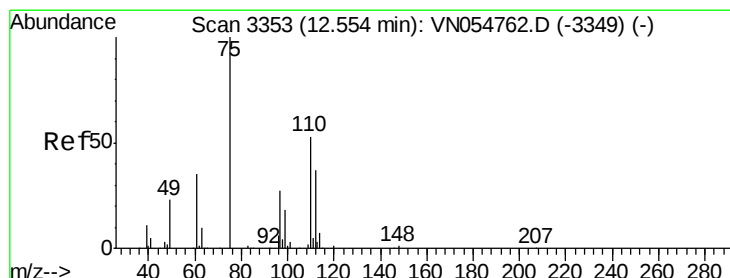
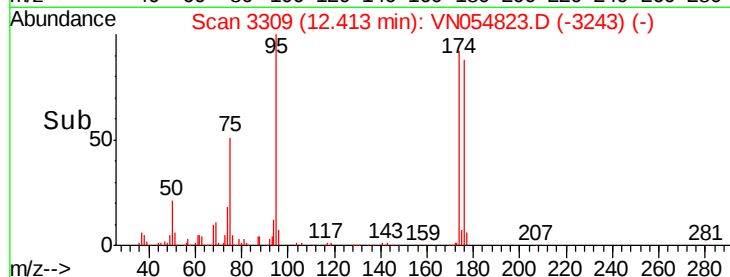
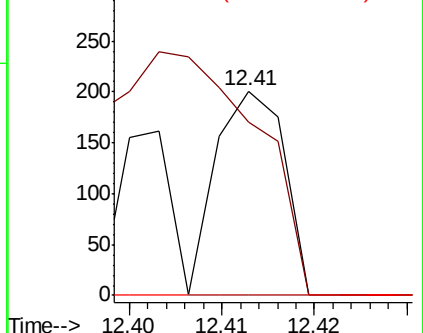
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 38.694 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054823.D

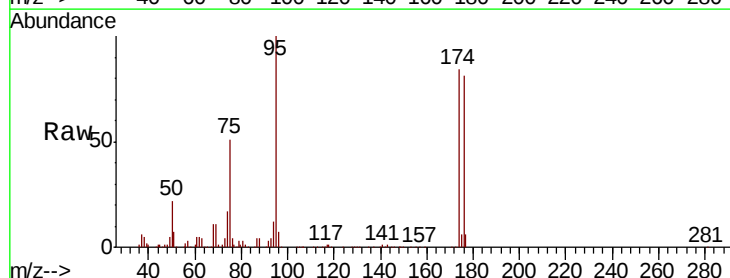
Acq: 31 Mar 2019 1:18

Tgt Ion: 75 Resp: 147392

Ion Ratio Lower Upper

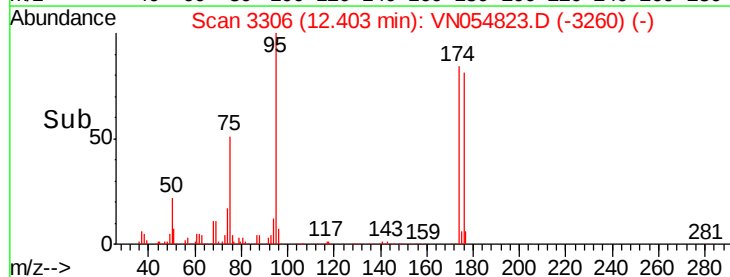
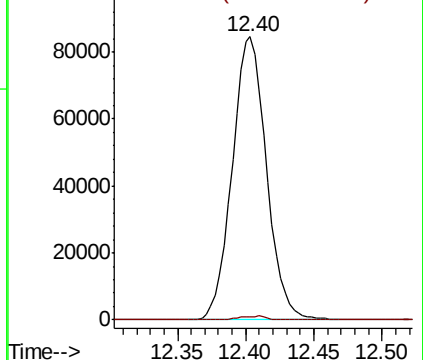
75 100

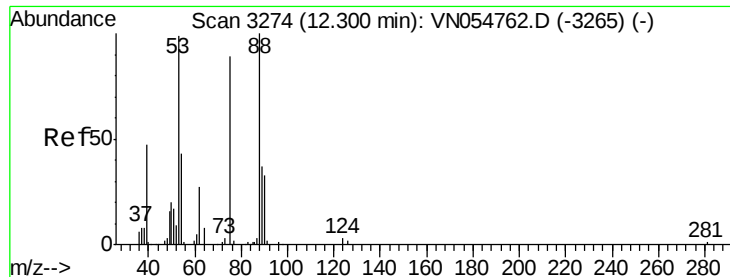
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 150.508 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

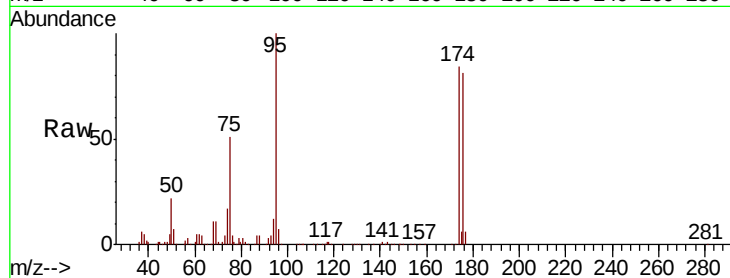
Tot Ion: 75 Resp: 147392

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

