

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032919\
 Data File : VN054792.D
 Acq On : 30 Mar 2019 1:03
 Operator : JC/SP
 Sample : K2086-04
 Misc : 8.02uL/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 21:49:29 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	7.66	168	483413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	785927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	690257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	293514	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	310805	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	7.59	113	240289	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
50) Toluene-d8	10.09	98	961093	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	311041	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

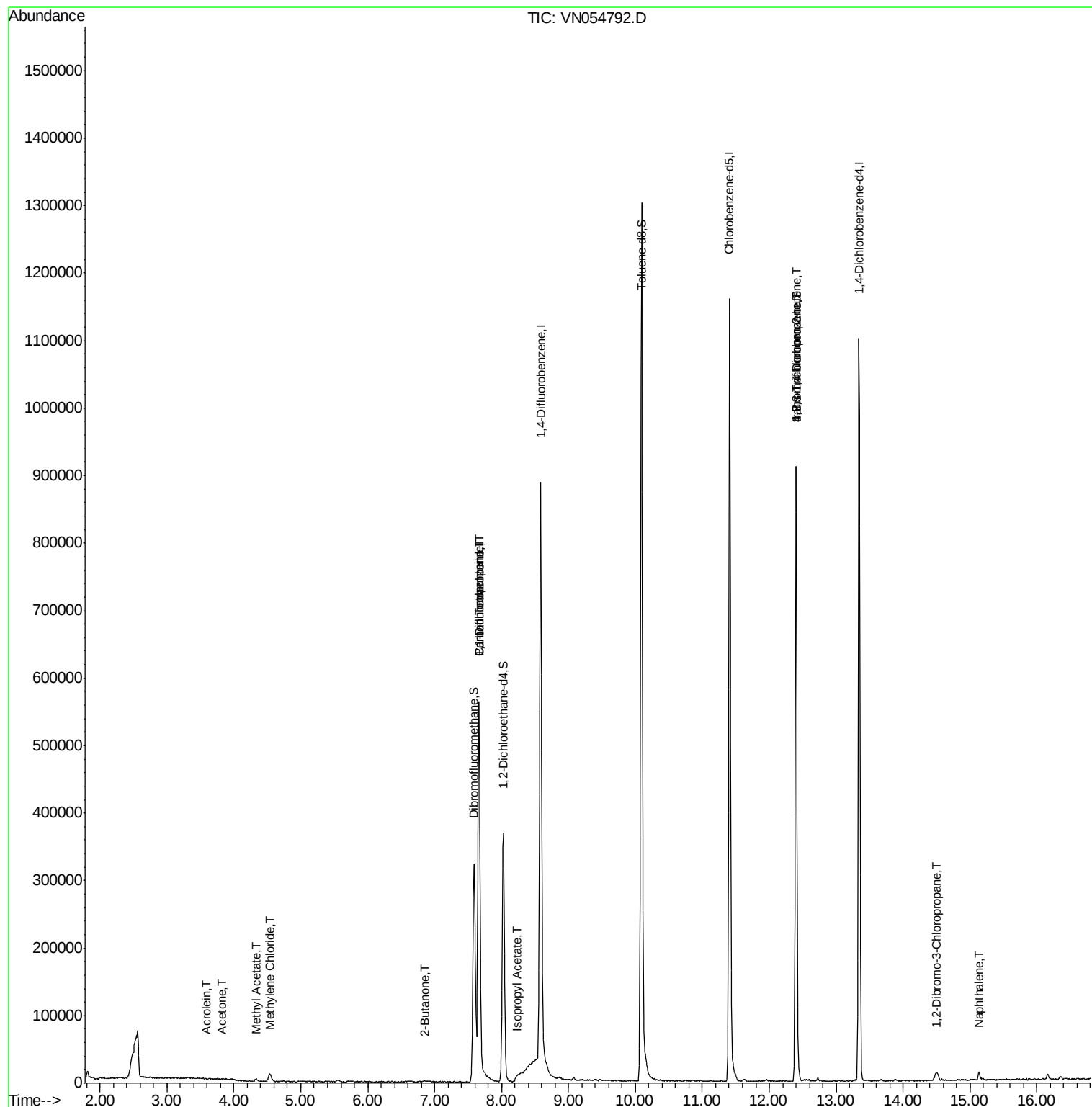
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	517	Below Cal	#	2
13) Acrolein	3.59	56	235	0.774	ug/l	88
16) Acetone	3.82	43	380	0.245	ug/l #	38
18) Methyl Acetate	4.33	43	7029	0.833	ug/l #	87
20) Methylene Chloride	4.54	84	7404	1.351	ug/l	87
25) 2-Butanone	6.86	43	1552	0.676	ug/l	96
31) Cyclohexane	7.66	56	11709	Below Cal	#	35
36) 1,1-Dichloropropene	7.66	75	36385	4.968	ug/l #	47
38) Carbon Tetrachloride	7.66	117	45202	6.355	ug/l #	17
43) Isopropyl Acetate	8.22	43	4780	0.548	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.40	83	209	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	165257	32.410	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	165257	126.065	ug/l #	11
83) tert-Butylbenzene	12.99	119	288	Below Cal	#	28
92) 1,2-Dibromo-3-Chloropropan	14.49	75	604	0.736	ug/l #	27
95) Naphthalene	15.13	128	9829	0.929	ug/l #	88

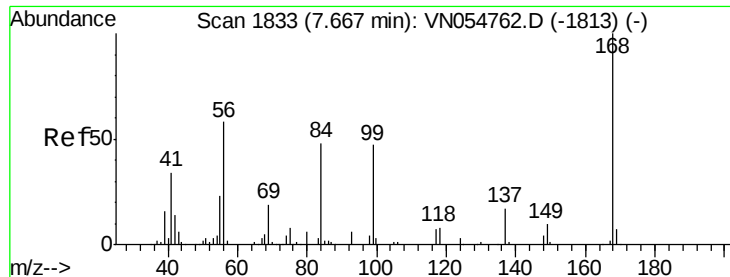
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

Instrument :

MSVOA_N

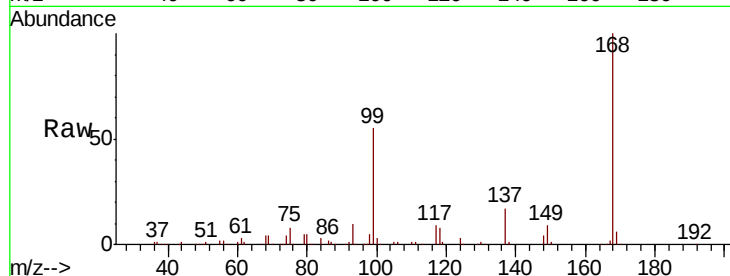
ClientSampled :

Tot Ion:168 Resp: 483413

Ion Ratio Lower Upper

168 100

99 54.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.66

200000

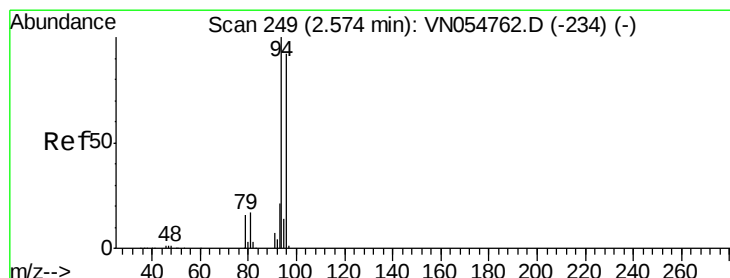
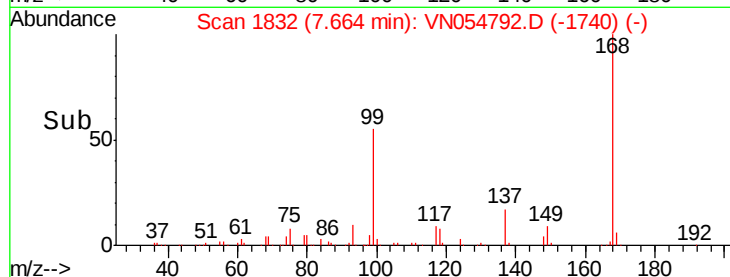
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN054792.D

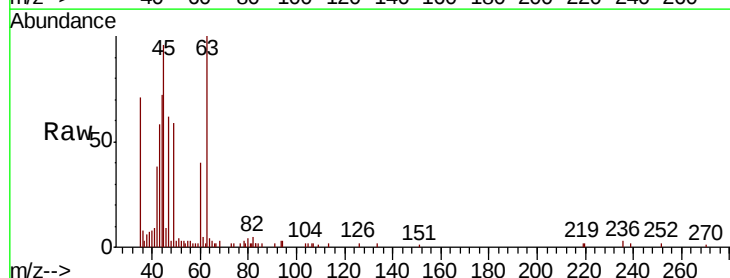
Acq: 30 Mar 2019 1:03

Tgt Ion: 94 Resp: 517

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN054762.D (-234) (-)

2.56

600

500

400

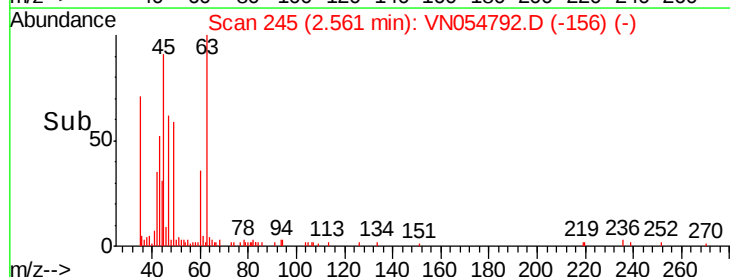
300

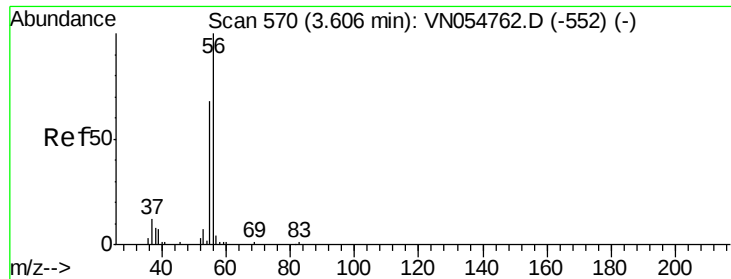
200

100

0

Time-->





#13

Acrolein

Concen: 0.774 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.02 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

Instrument :

MSVOA_N

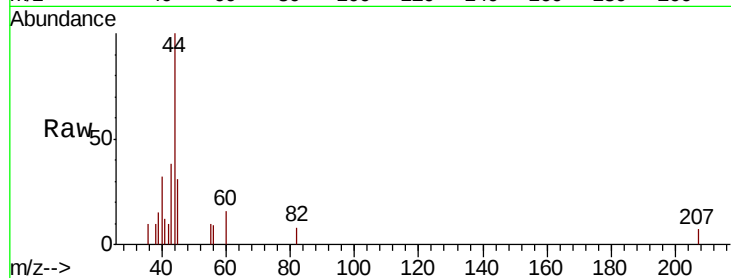
ClientSampled :

Tot Ion: 56 Resp: 235

Ion Ratio Lower Upper

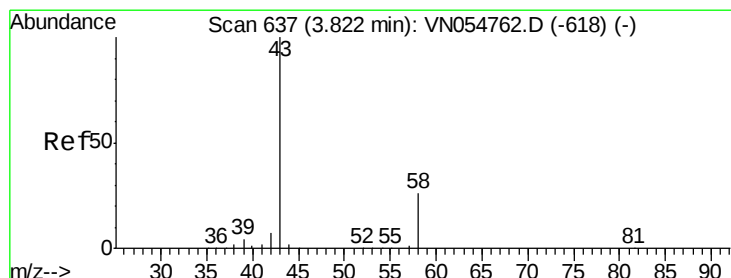
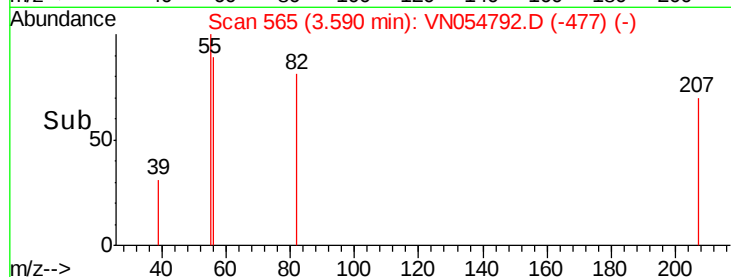
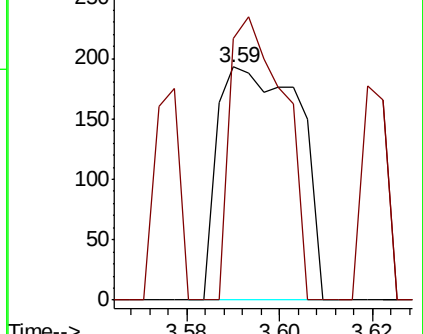
56 100

55 80.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.245 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054792.D

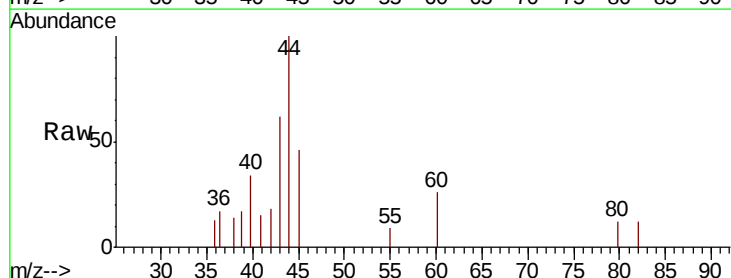
Acq: 30 Mar 2019 1:03

Tgt Ion: 43 Resp: 380

Ion Ratio Lower Upper

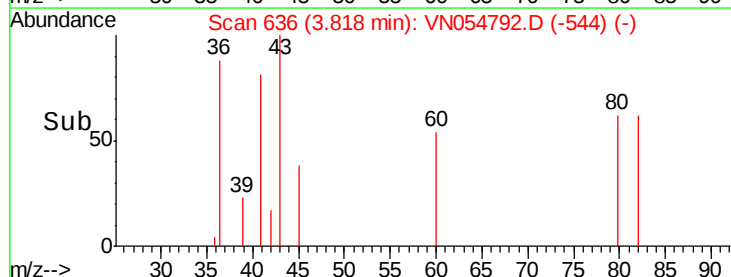
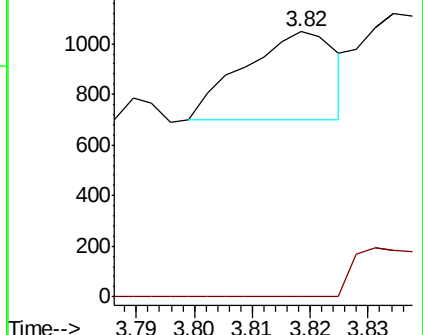
43 100

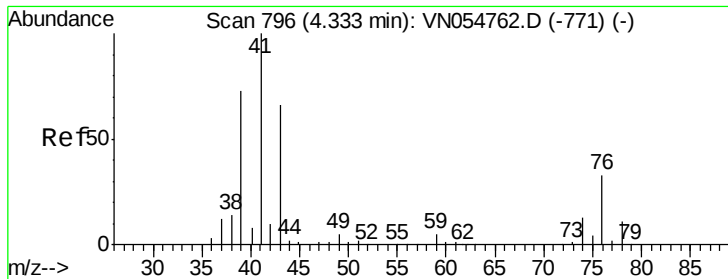
58 0.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

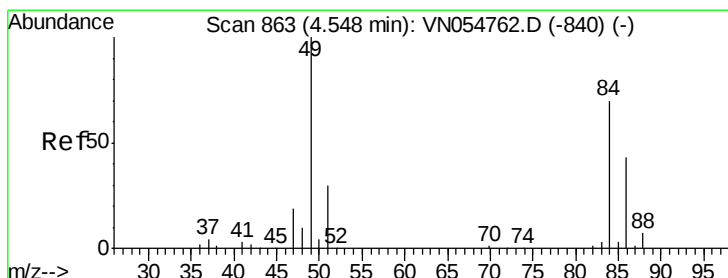
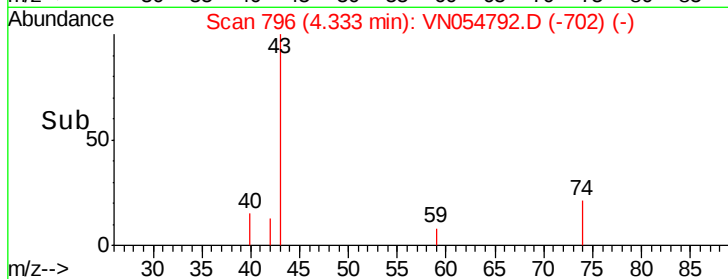
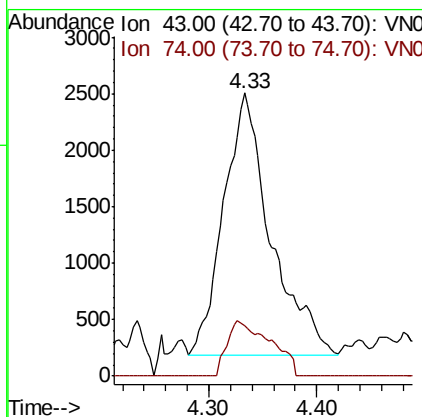
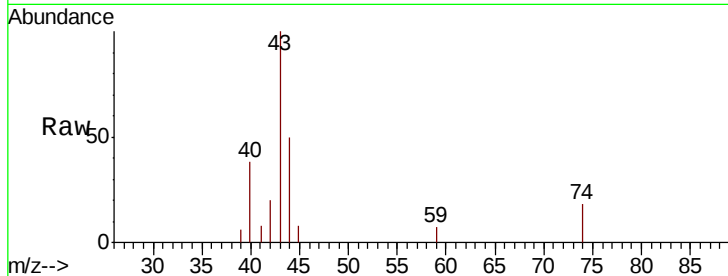




#18
Methyl Acetate
Concen: 0.833 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054792.D
Acq: 30 Mar 2019 1:03

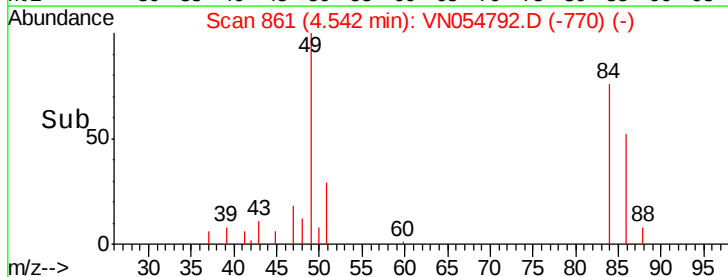
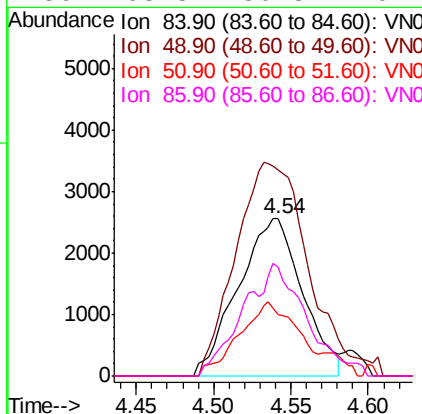
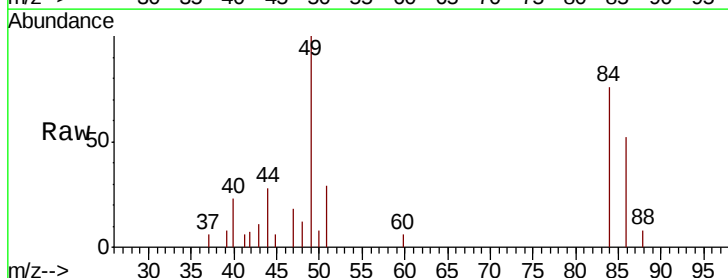
Instrument :
MSVOA_N
ClientSampled :

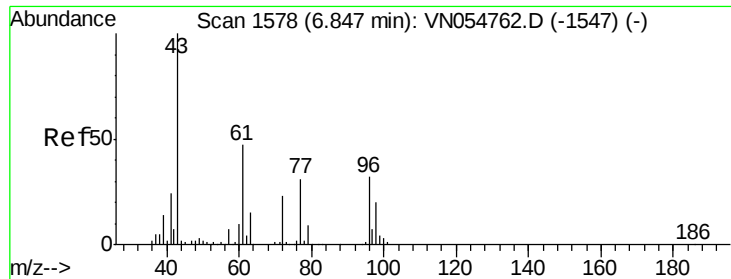
Tot Ion: 43 Resp: 7029
Ion Ratio Lower Upper
43 100
74 19.5 20.8 31.2#



#20
Methylene Chloride
Concen: 1.351 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN054792.D
Acq: 30 Mar 2019 1:03

Tgt Ion: 84 Resp: 7404
Ion Ratio Lower Upper
84 100
49 131.3 89.7 134.5
51 38.7 28.2 42.4
86 68.8 50.8 76.2

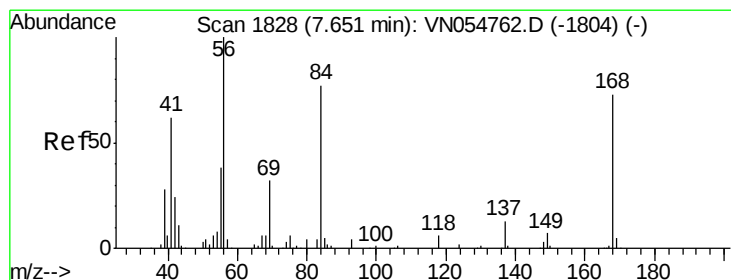
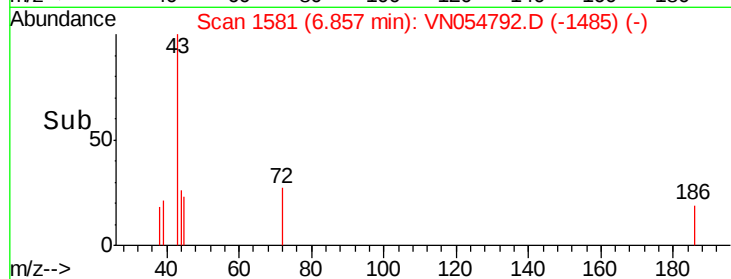
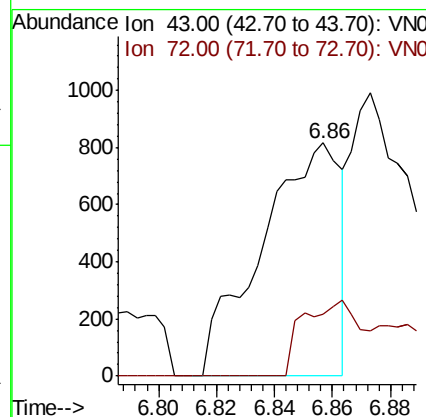
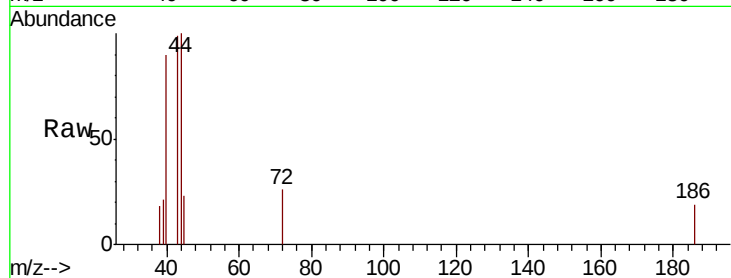




#25
2-Butanone
Concen: 0.676 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054792.D
Acq: 30 Mar 2019 1:03

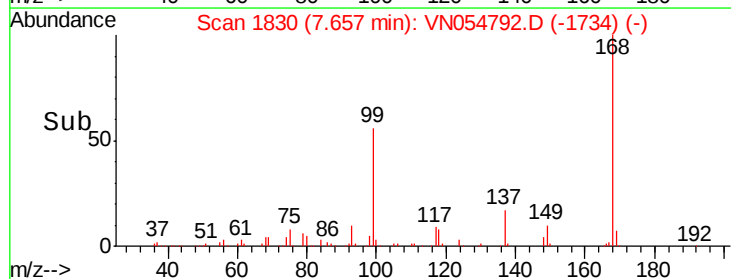
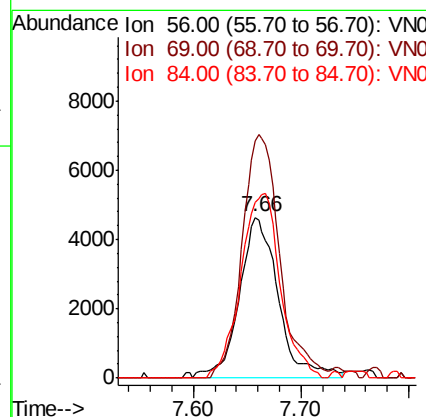
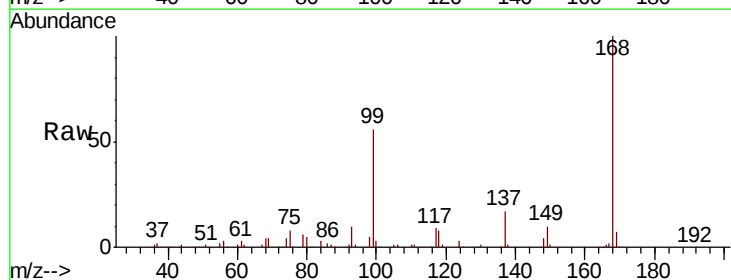
Instrument :
MSVOA_N
ClientSampled :

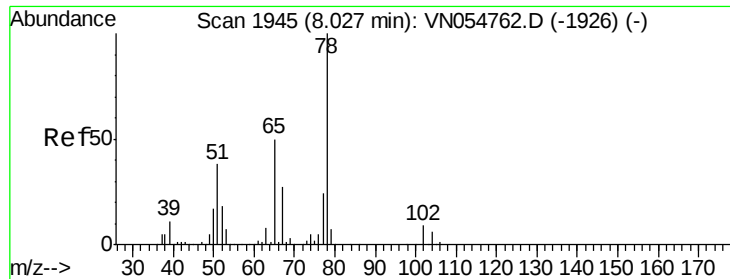
Tot Ion: 43 Resp: 1552
Ion Ratio Lower Upper
43 100
72 26.7 23.0 34.6



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN054792.D
Acq: 30 Mar 2019 1:03

Tgt Ion: 56 Resp: 11709
Ion Ratio Lower Upper
56 100
69 147.6 27.8 41.6#
84 109.0 74.6 111.8

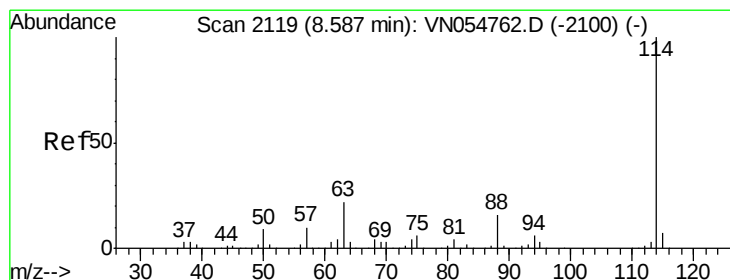
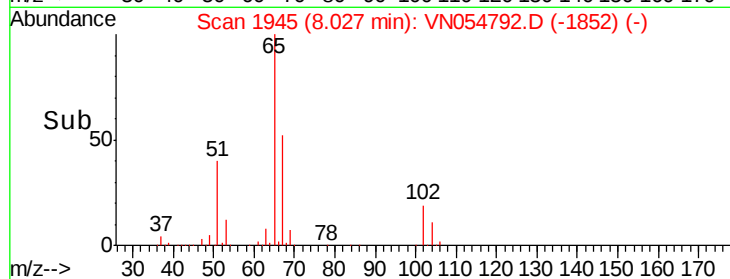
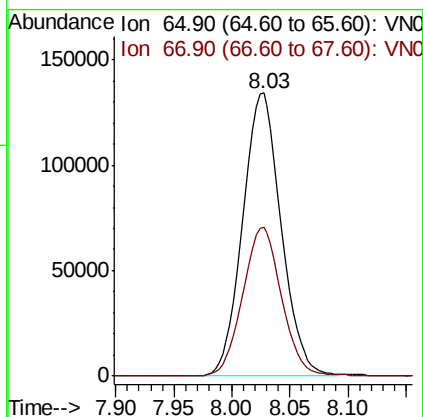
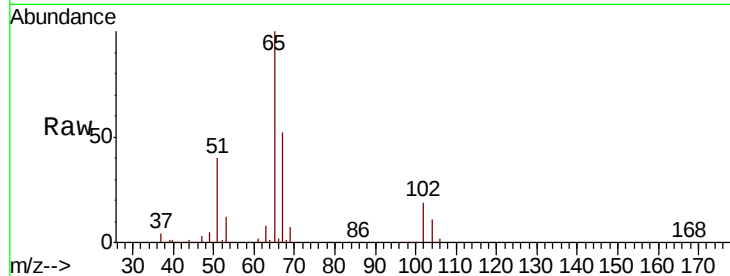




#33
 1,2-Dichloroethane-d4
 Concen: 47.695 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054792.D
 Acq: 30 Mar 2019 1:03

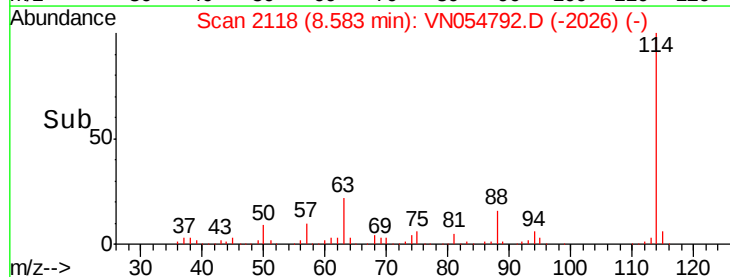
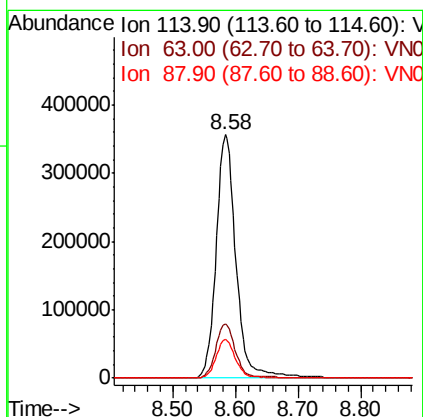
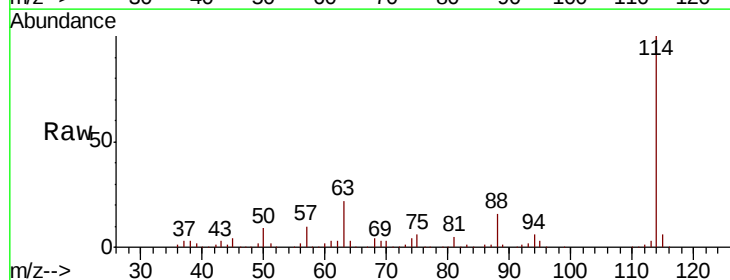
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 MSVOA_N
 ClientSampleId :

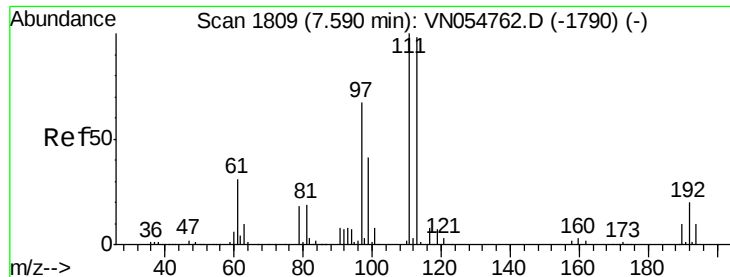
Tot Ion: 65 Resp: 310805
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054792.D
 Acq: 30 Mar 2019 1:03

Tgt Ion: 114 Resp: 785927
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 15.9 0.0 30.2

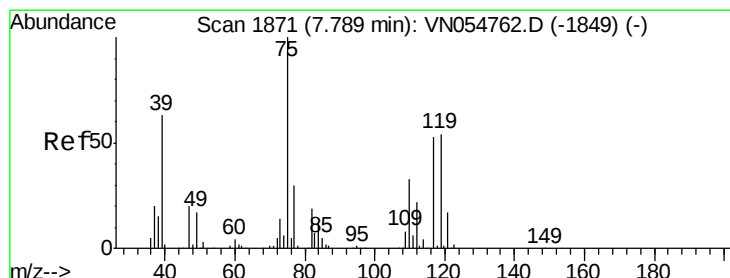
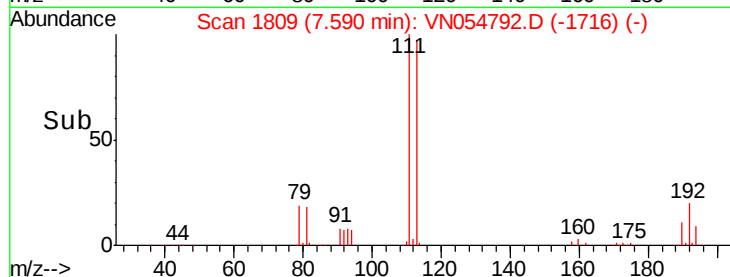
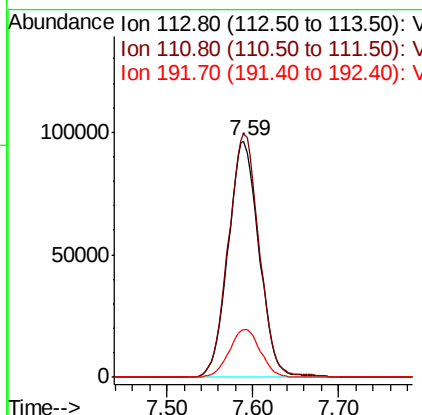
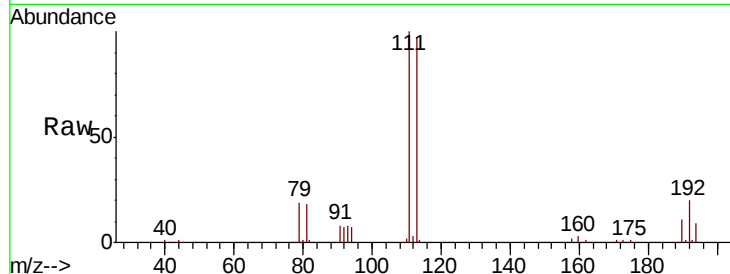




#35
 Dibromofluoromethane
 Concen: 45.859 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054792.D
 Acq: 30 Mar 2019 1:03

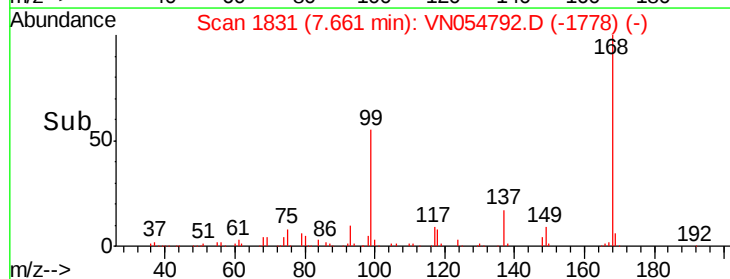
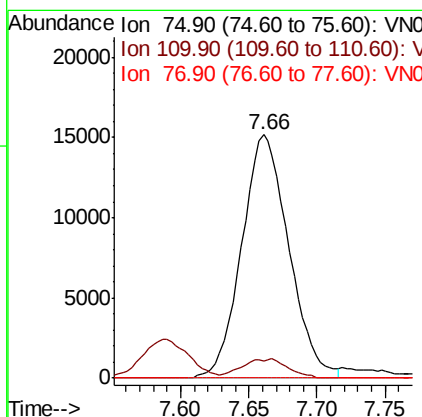
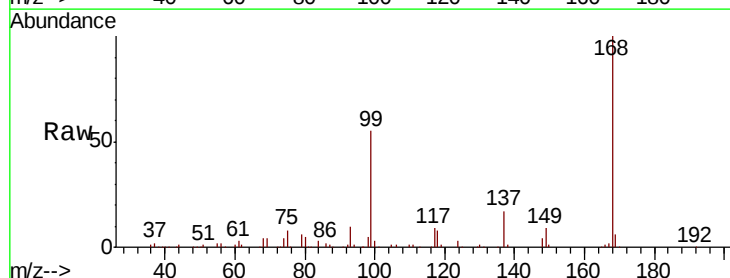
Instrument :
 MSVOA_N
 ClientSampled :

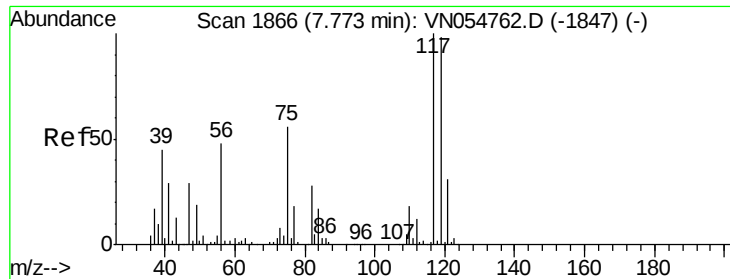
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	20.8	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.968 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054792.D
 Acq: 30 Mar 2019 1:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.355 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

Instrument :

MSVOA_N

ClientSampled :

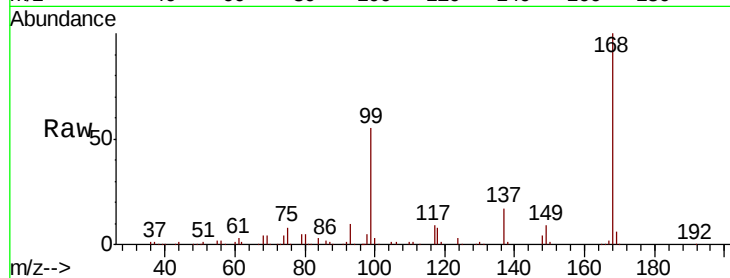
Tot Ion:117 Resp: 45202

Ion Ratio Lower Upper

117 100

119 6.5 76.3 114.5#

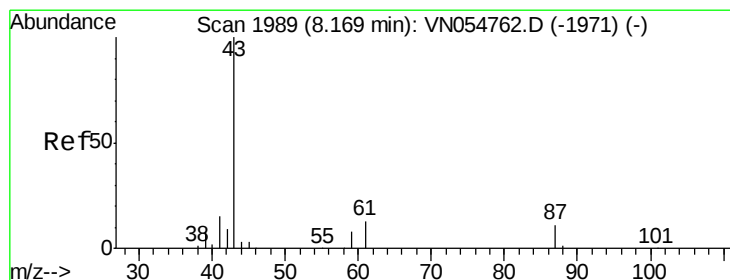
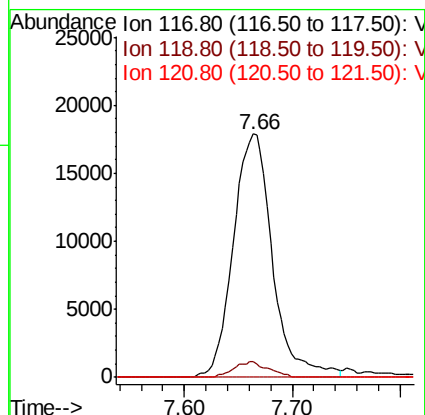
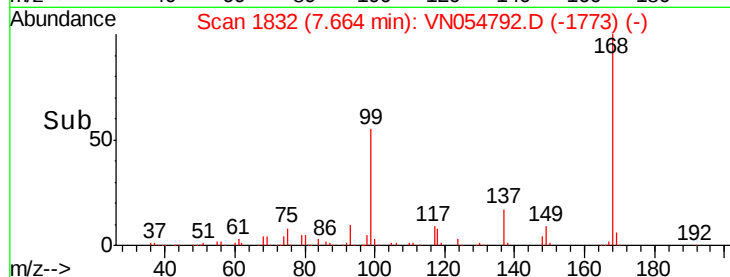
121 0.0 24.6 36.8#



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: 0.548 ug/l

RT: 8.22 min Scan# 2006

Delta R.T. 0.05 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

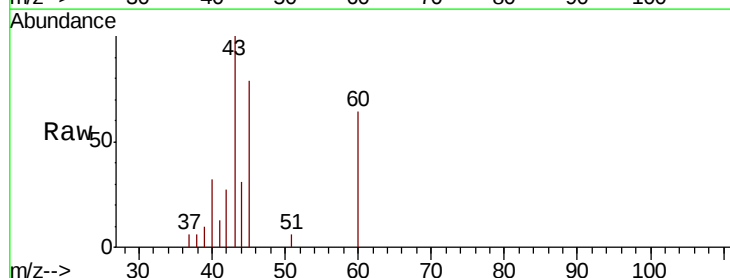
Tgt Ion: 43 Resp: 4780

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

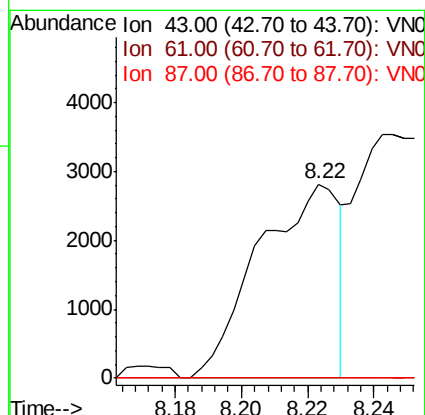
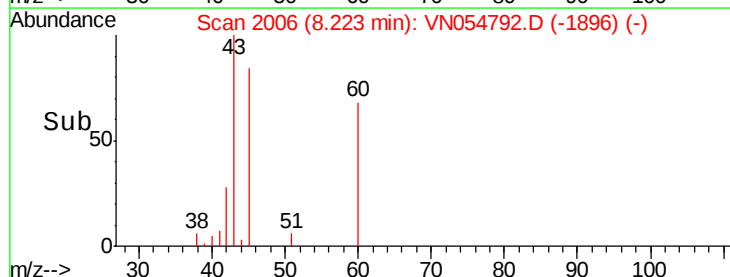
87 0.0 12.0 18.0#

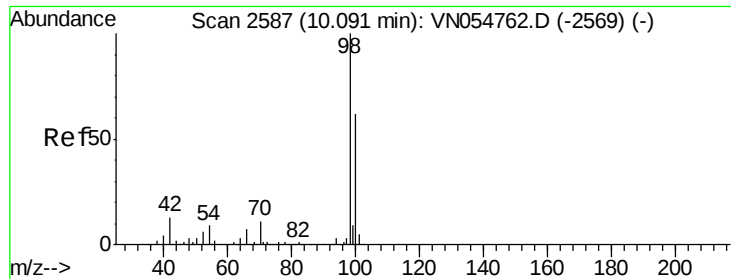


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.337 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

Instrument :

MSVOA_N

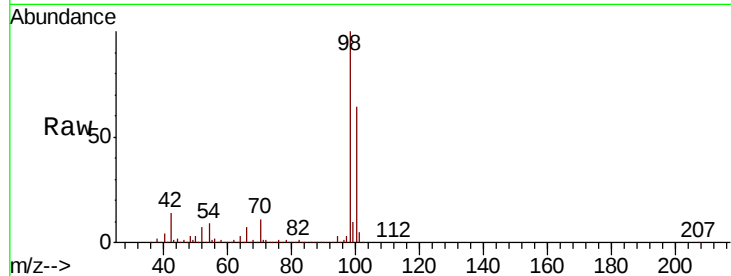
ClientSampled :

Tot Ion: 98 Resp: 961093

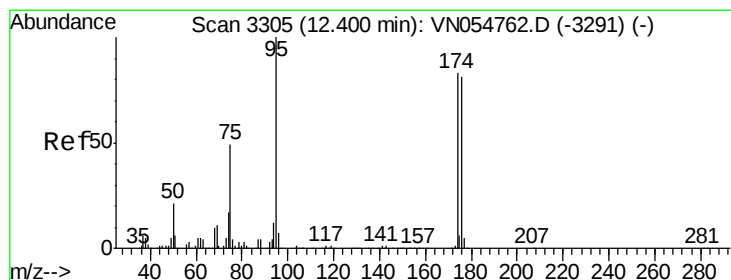
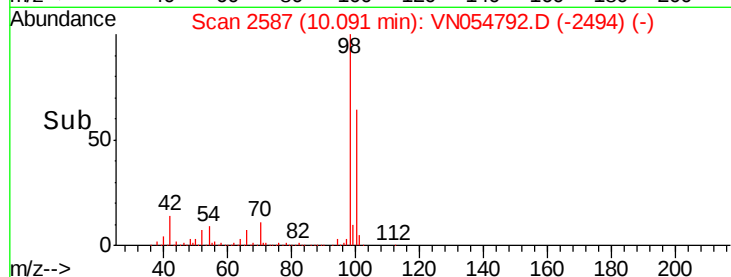
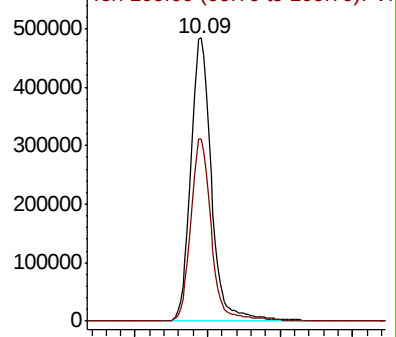
Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)



#62

4-Bromofluorobenzene

Concen: 48.010 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

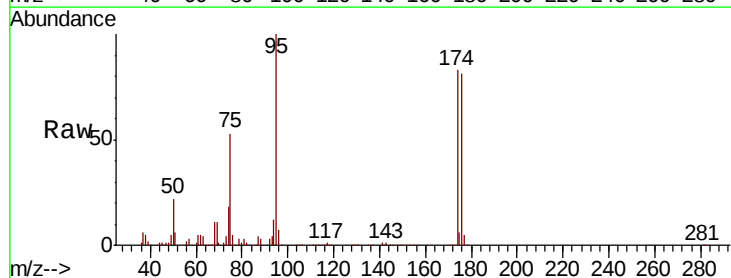
Tgt Ion: 95 Resp: 311041

Ion Ratio Lower Upper

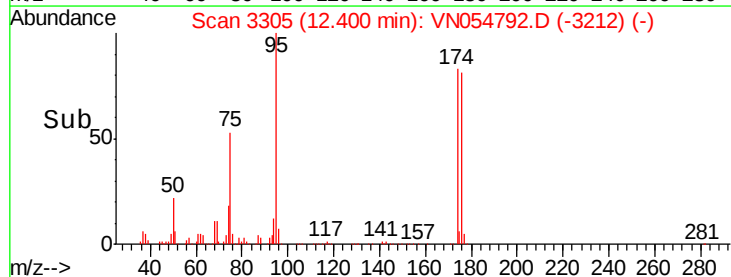
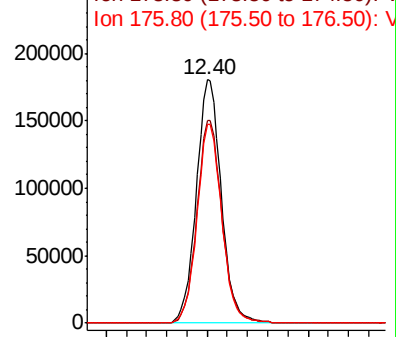
95 100

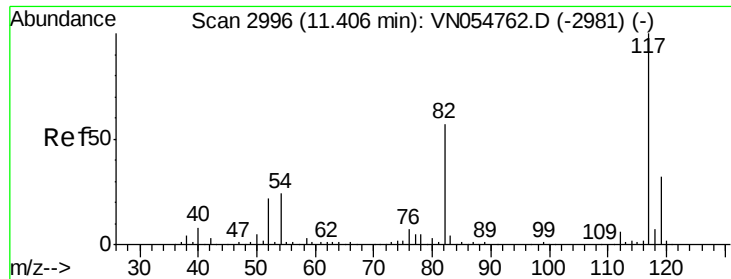
174 83.9 0.0 191.0

176 81.2 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

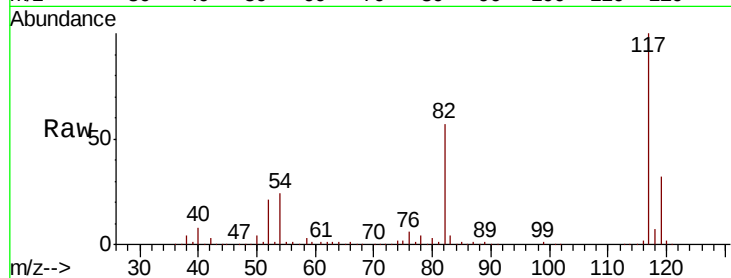
Tot Ion:117 Resp: 690257

Ion Ratio Lower Upper

117 100

82 56.8 40.0 60.0

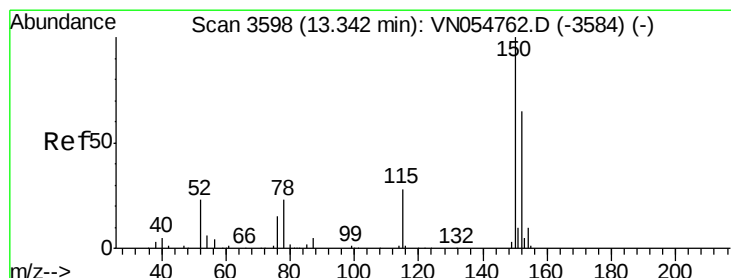
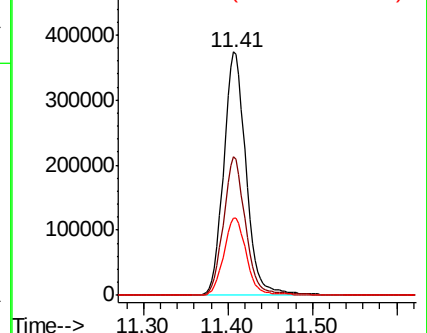
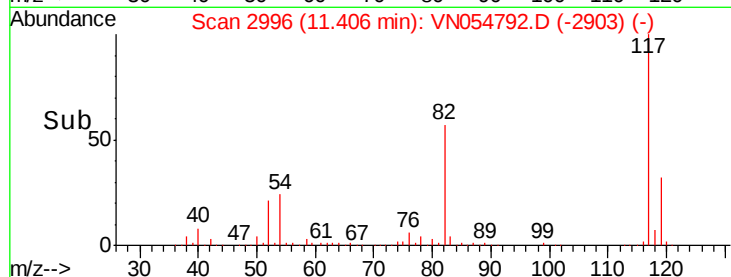
119 31.7 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

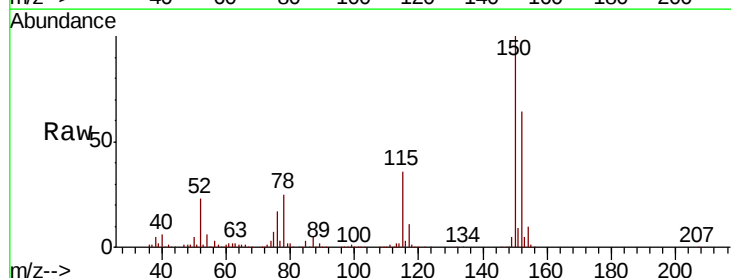
Tgt Ion:152 Resp: 293514

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

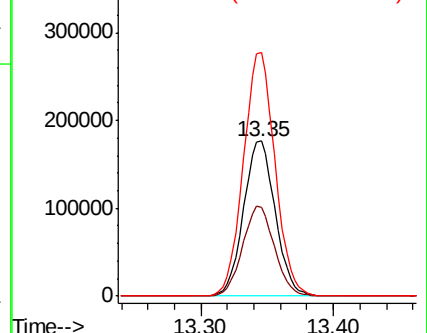
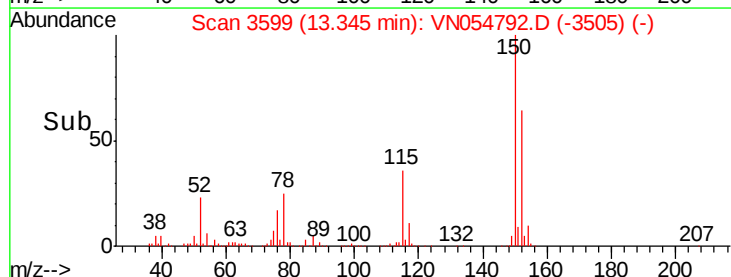
150 156.5 0.0 349.2

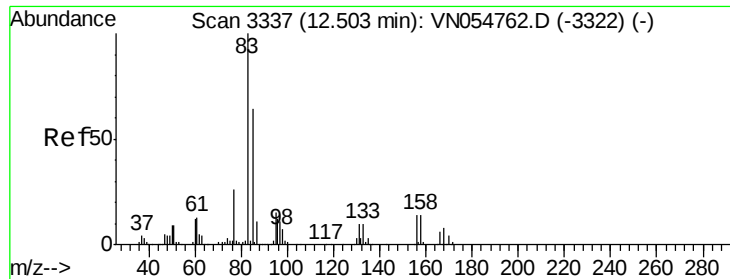


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

Instrument :

MSVOA_N

ClientSampled :

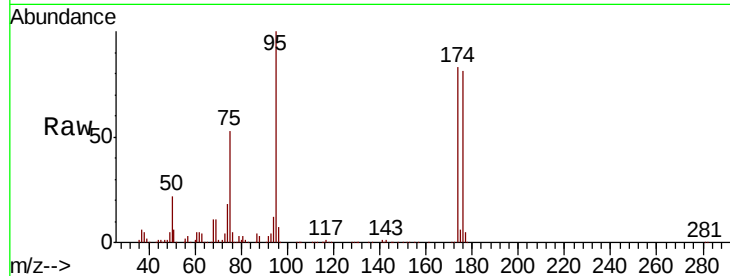
Tot Ion: 83 Resp: 209

Ion Ratio Lower Upper

83 100

131 148.8 5.8 17.4#

85 0.0 32.2 96.6#

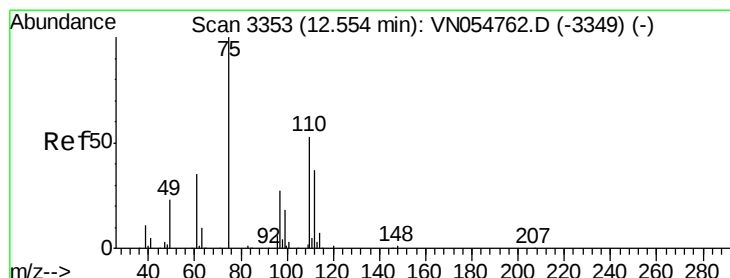
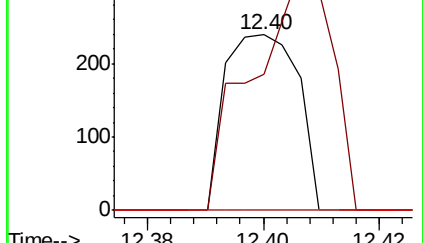
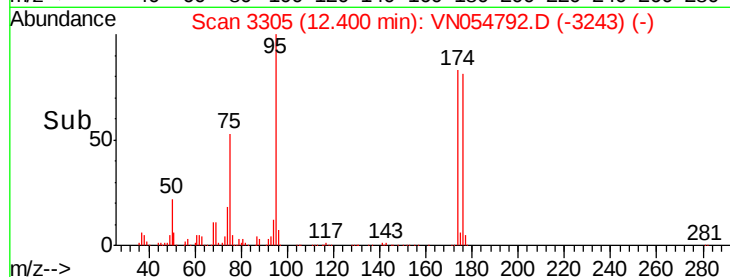


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

Time-->



#76

1,2,3-Trichloropropane

Concen: 32.410 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054792.D

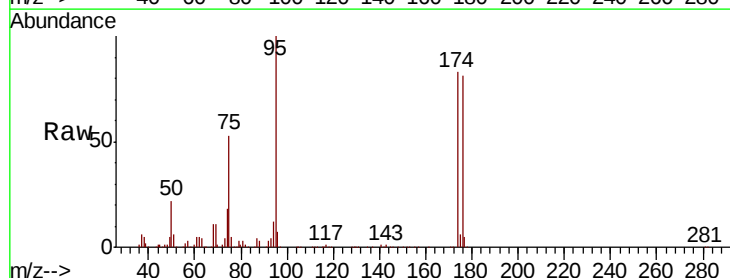
Acq: 30 Mar 2019 1:03

Tgt Ion: 75 Resp: 165257

Ion Ratio Lower Upper

75 100

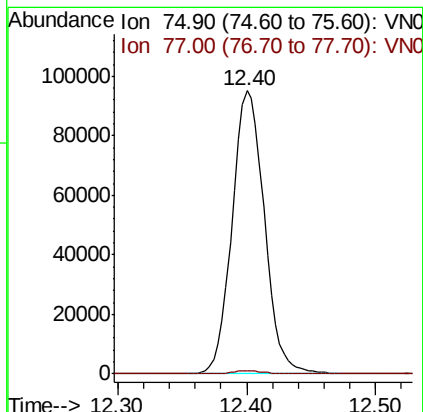
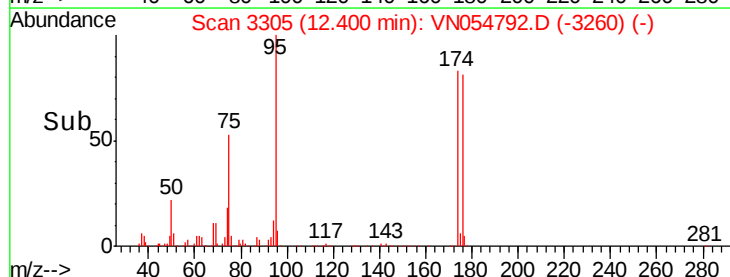
77 1.0 0.0 0.0#

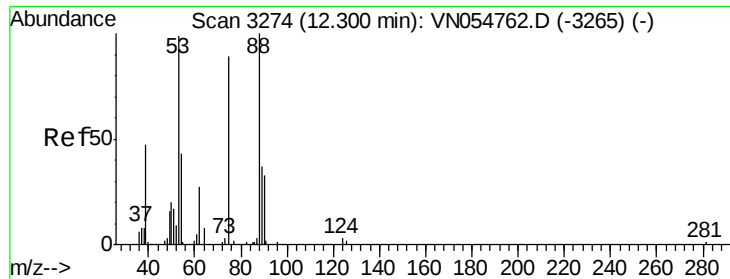


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

Time-->

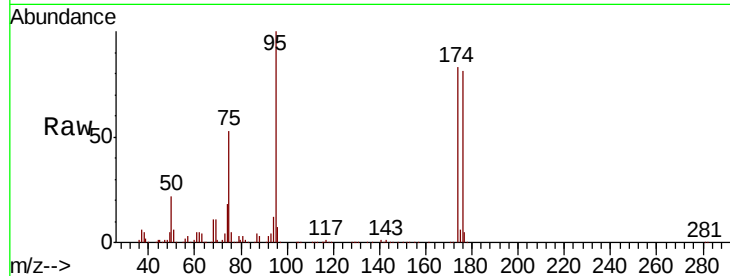




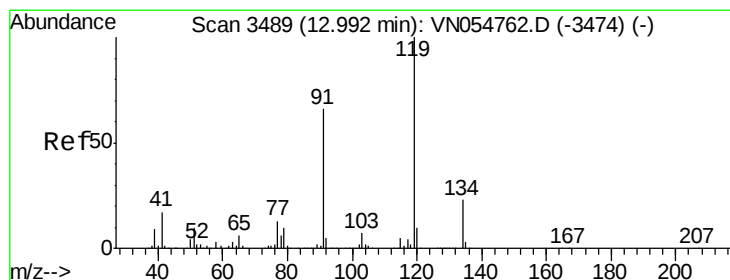
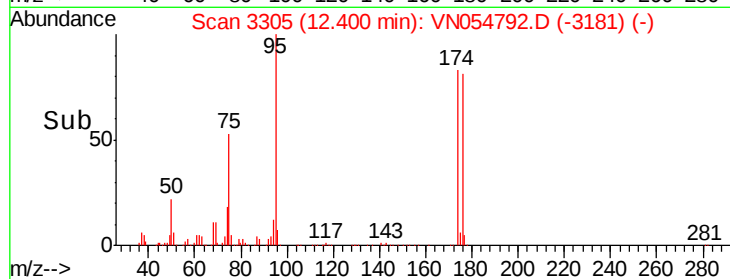
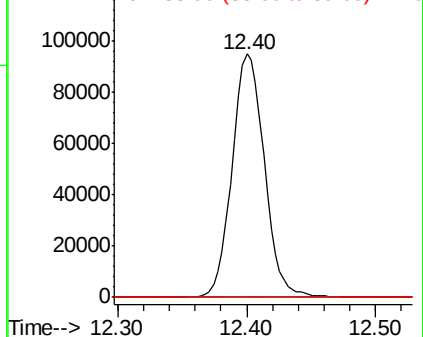
#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.065 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054792.D
 Acq: 30 Mar 2019 1:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 165257
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#

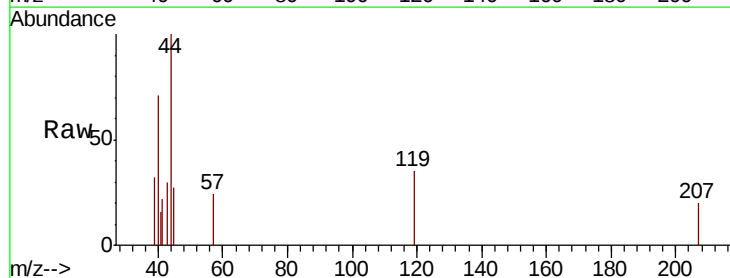


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 53.00 (52.70 to 53.70): VN0
 Ion 88.90 (88.60 to 89.60): VN0

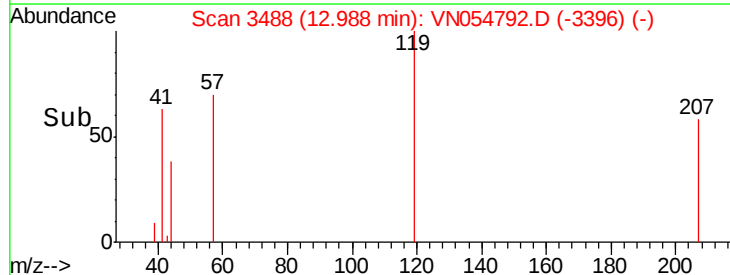
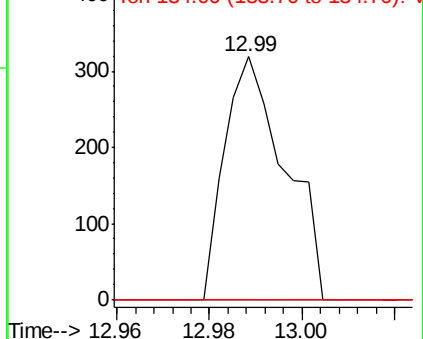


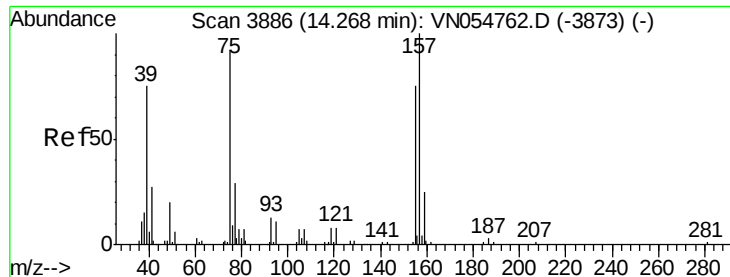
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN054792.D
 Acq: 30 Mar 2019 1:03

Tgt Ion: 119 Resp: 288
 Ion Ratio Lower Upper
 119 100
 91 0.0 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





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.736 ug/l

RT: 14.49 min Scan# 3954

Delta R.T. 0.22 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

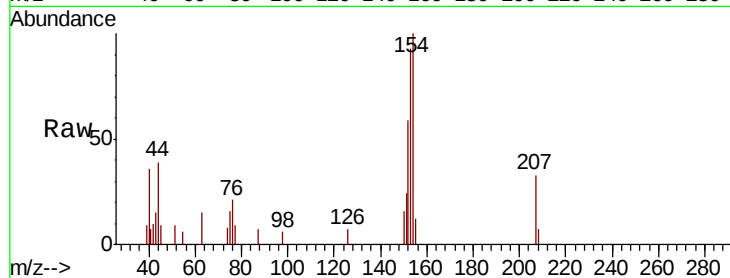
Tot Ion: 75 Resp: 604

Ion Ratio Lower Upper

75 100

155 75.0 50.1 150.3

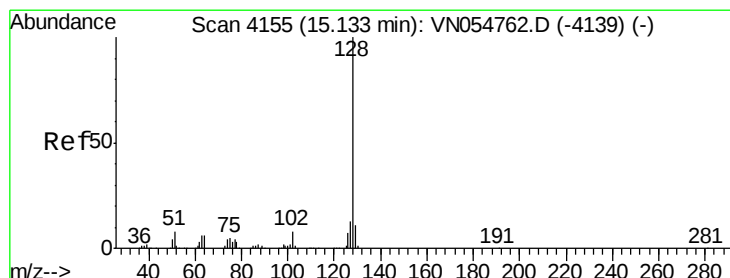
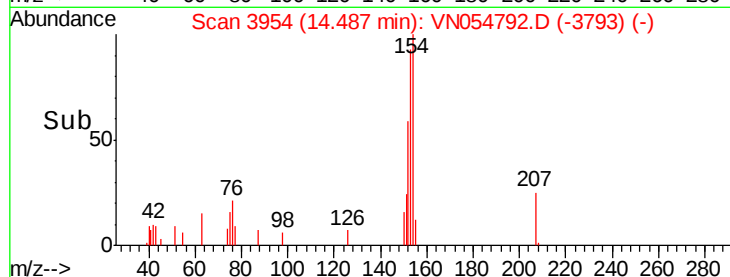
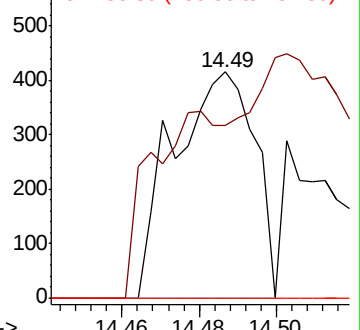
157 0.0 63.1 189.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 0.929 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054792.D

Acq: 30 Mar 2019 1:03

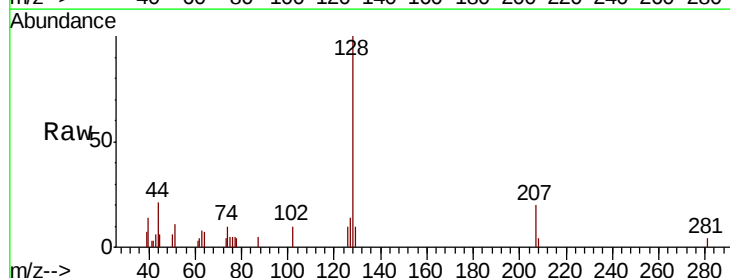
Tgt Ion: 128 Resp: 9829

Ion Ratio Lower Upper

128 100

127 16.7 10.1 15.1#

129 5.3 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

