

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054820.D
 Acq On : 30 Mar 2019 23:58
 Operator : JC/SP
 Sample : VN0330WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 31 04:42:30 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	527706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	863404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	713039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	252270	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	356825	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.59	113	274232	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	10.09	98	1031229	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.40	95	308320	43.32	ug/l	0.00
Spiked Amount			Recovery	=	86.64%	

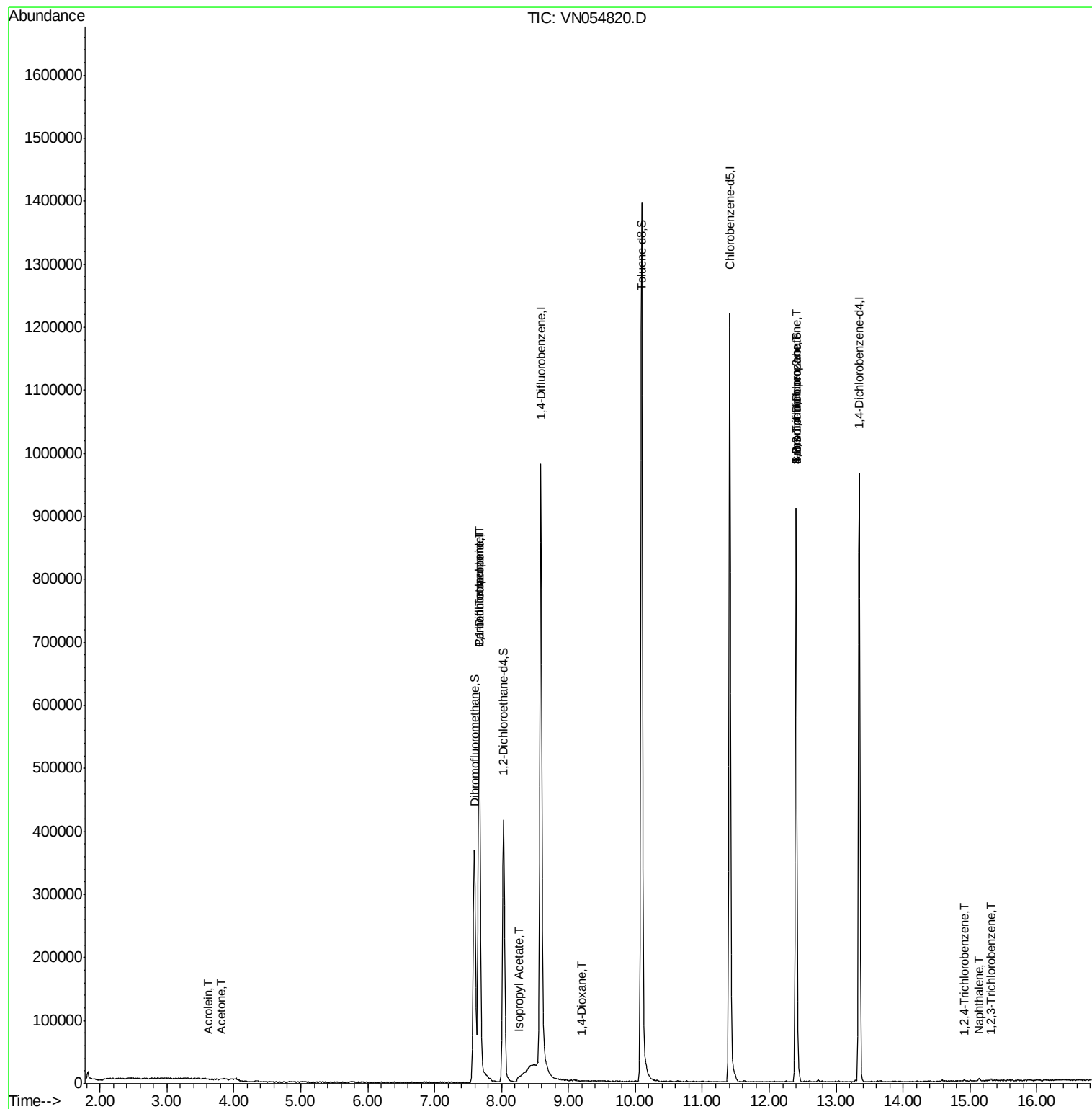
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	188	Below Cal	#	71
13) Acrolein	3.61	56	73	0.220	ug/l #	1
16) Acetone	3.82	43	458	0.270	ug/l #	38
18) Methyl Acetate	4.33	43	2150	Below Cal	#	63
31) Cyclohexane	7.66	56	11049	Below Cal	#	13
36) 1,1-Dichloropropene	7.67	75	39967	4.968	ug/l #	48
38) Carbon Tetrachloride	7.66	117	49224	6.299	ug/l #	17
43) Isopropyl Acetate	8.25	43	4343	0.453	ug/l #	60
49) 1,4-Dioxane	9.20	88	31	0.601	ug/l #	1
71) Bromoform	12.40	173	3268	1.068	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	106	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	162676	37.119	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	162676	144.385	ug/l #	11
83) tert-Butylbenzene	12.99	119	458	Below Cal	#	28
93) 1,2,4-Trichlorobenzene	14.91	180	838	0.207	ug/l #	73
94) Hexachlorobutadiene	15.01	225	111	Below Cal		89
95) Naphthalene	15.14	128	3752	0.413	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.31	180	998	0.244	ug/l #	80

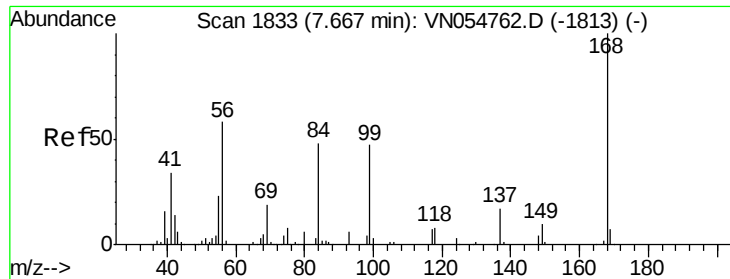
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VN054820.D

Acq: 30 Mar 2019 23:58

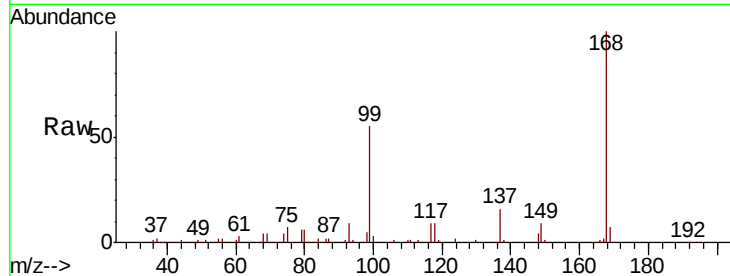
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 527706

Ion Ratio Lower Upper

168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054820.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054820.D (-1740) (-)

7.67

250000

200000

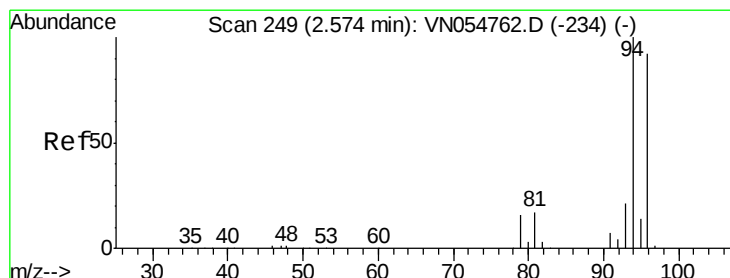
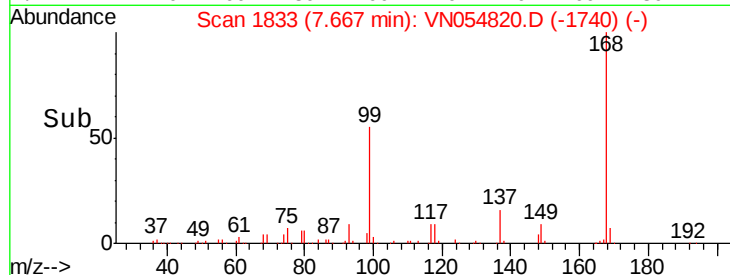
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054820.D

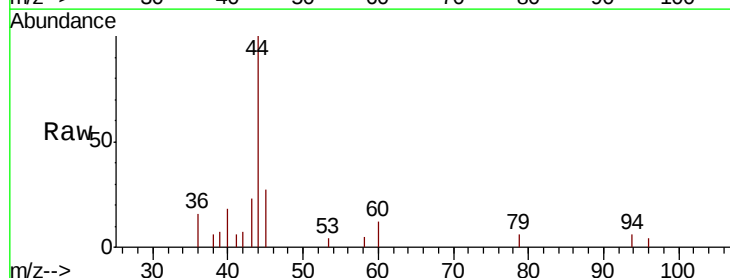
Acq: 30 Mar 2019 23:58

Tgt Ion: 94 Resp: 188

Ion Ratio Lower Upper

94 100

96 68.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054820.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054820.D (-156) (-)

2.57

300

250

200

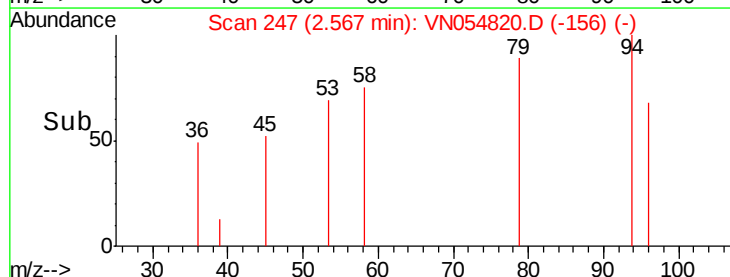
150

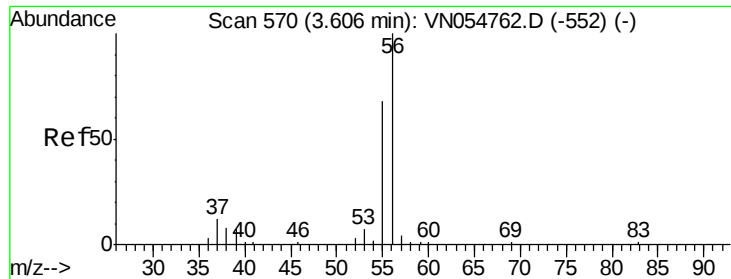
100

50

0

Time-->





#13

Acrolein

Concen: 0.220 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054820.D

Acq: 30 Mar 2019 23:58

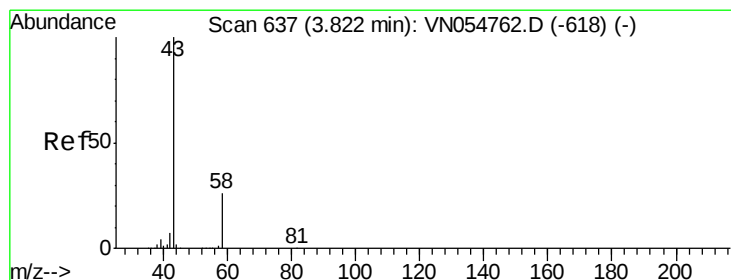
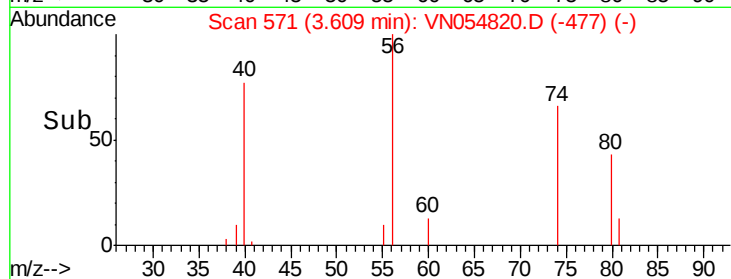
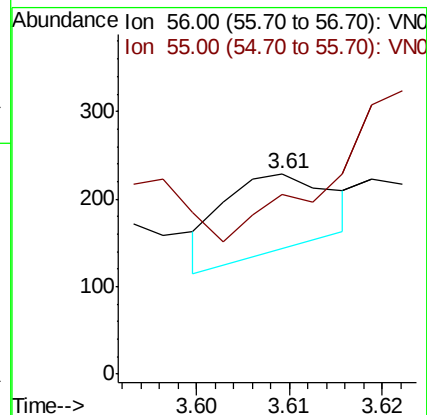
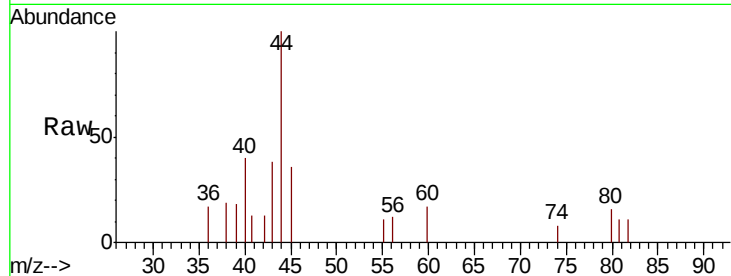
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 394.5 56.7 85.1#



#16

Acetone

Concen: 0.270 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054820.D

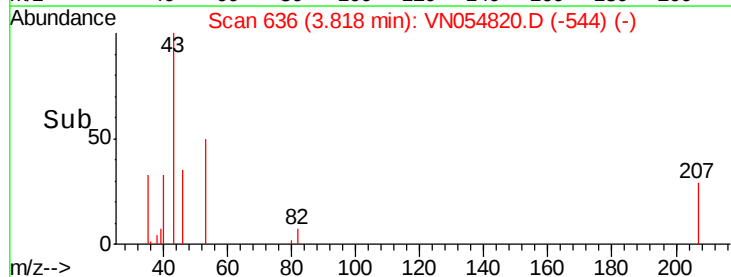
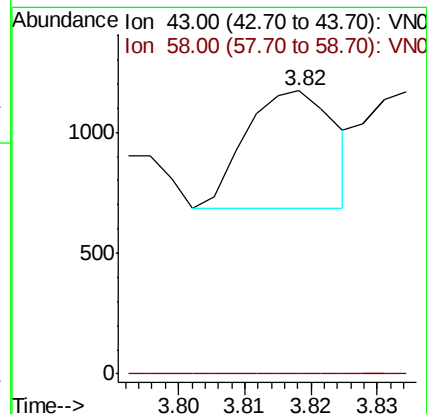
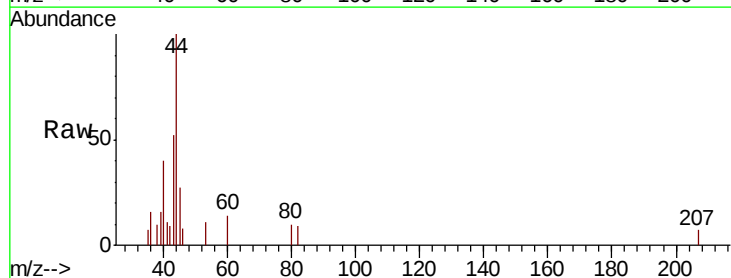
Acq: 30 Mar 2019 23:58

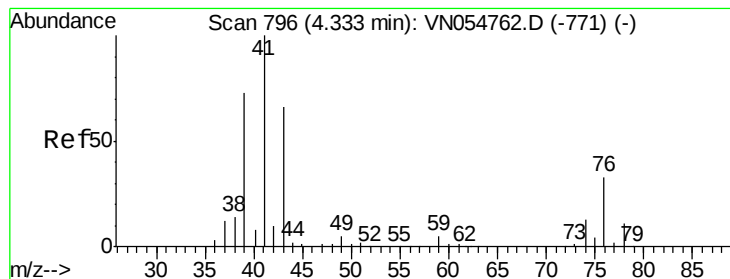
Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#





#18

Methvl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054820.D

Acq: 30 Mar 2019 23:58

Instrument :

MSVOA_N

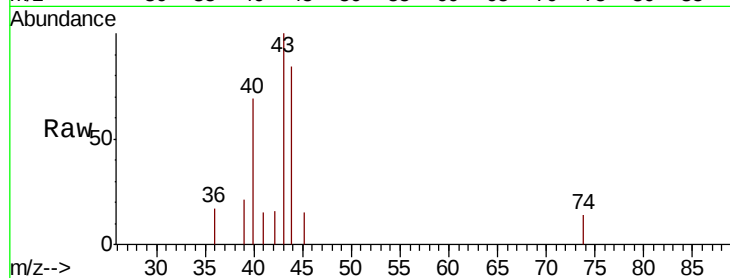
ClientSampled :

Tot Ion: 43 Resp: 2150

Ion Ratio Lower Upper

43 100

74 7.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN054820.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054820.D (-702) (-)

1500

1000

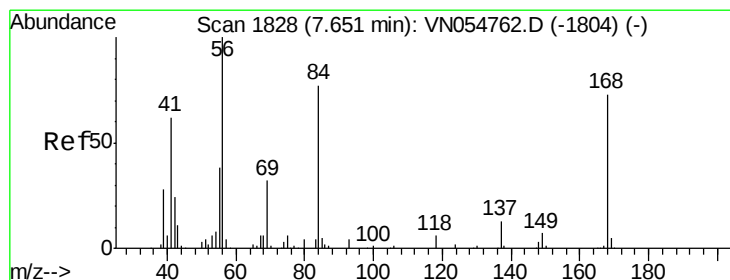
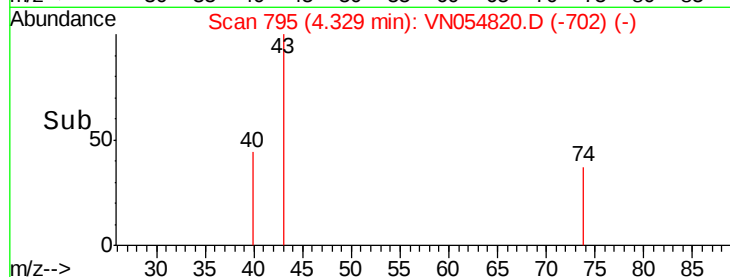
500

0

4.30

4.35

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054820.D

Acq: 30 Mar 2019 23:58

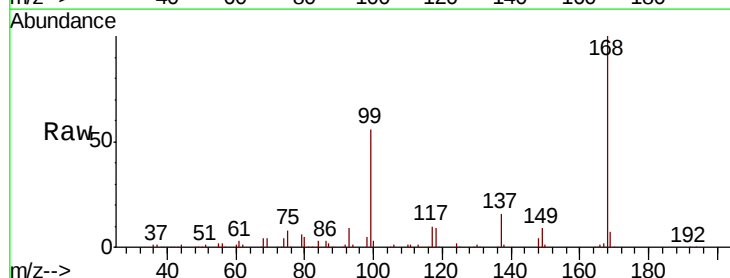
Tgt Ion: 56 Resp: 11049

Ion Ratio Lower Upper

56 100

69 168.8 27.8 41.6#

84 124.8 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN054820.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN054820.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN054820.D (-1734) (-)

10000

8000

6000

4000

2000

0

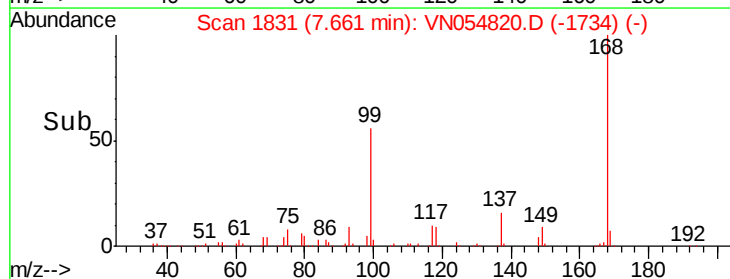
7.60

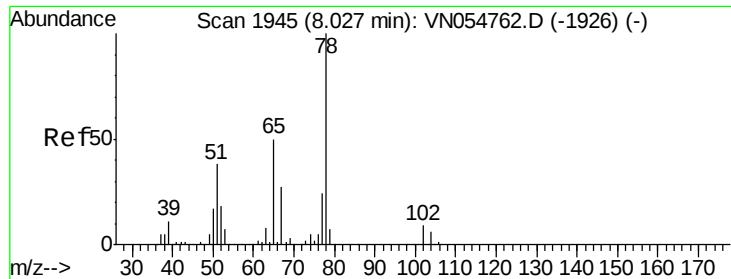
7.65

7.70

7.75

Time-->

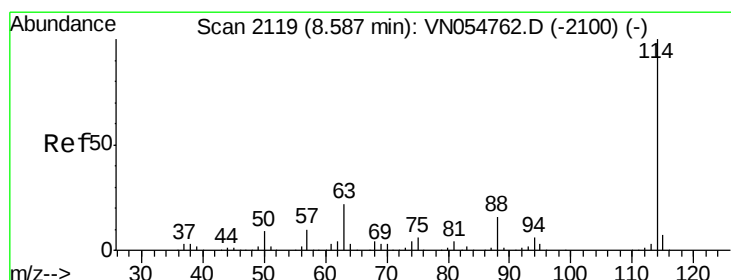
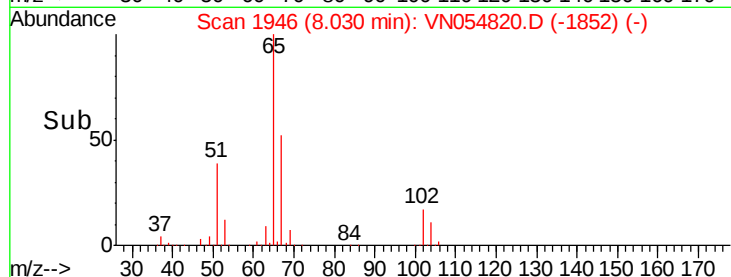
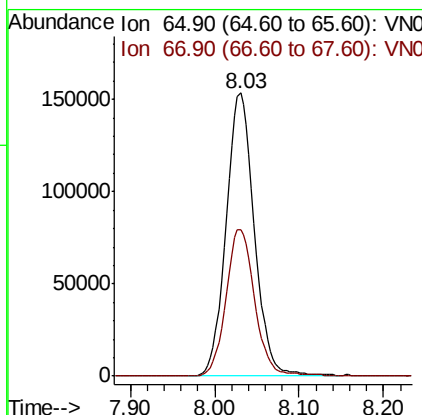
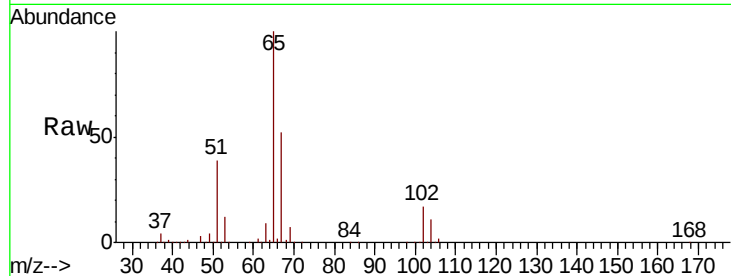




#33
 1,2-Dichloroethane-d4
 Concen: 50.161 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054820.D
 Acq: 30 Mar 2019 23:58

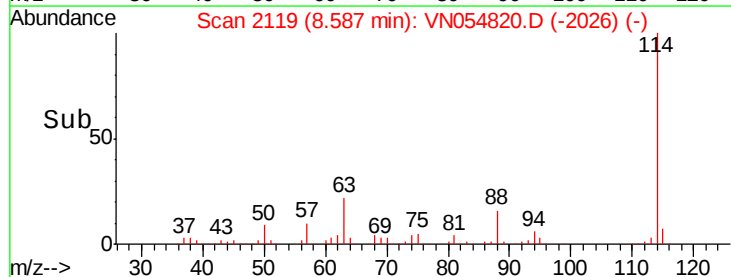
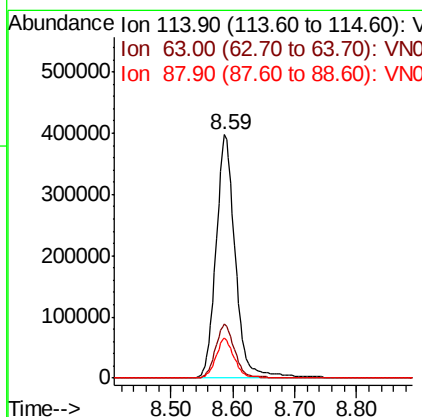
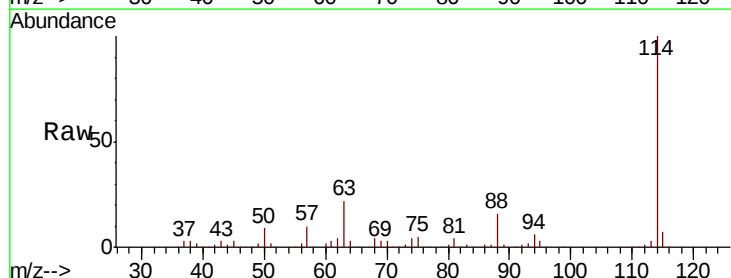
Instrument :
 MSVOA_N
 ClientSampleId :

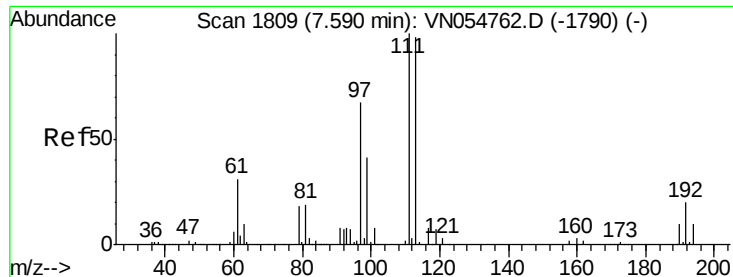
Tot Ion: 65 Resp: 356825
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054820.D
 Acq: 30 Mar 2019 23:58

Tgt Ion: 114 Resp: 863404
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 16.3 0.0 30.2

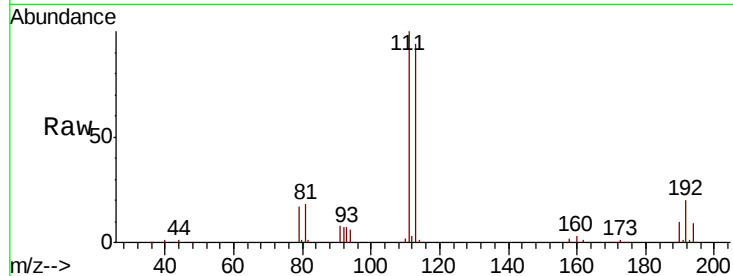




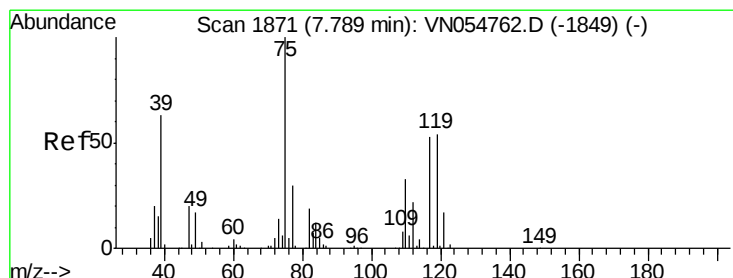
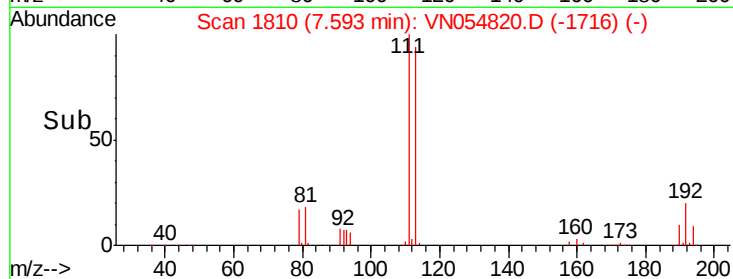
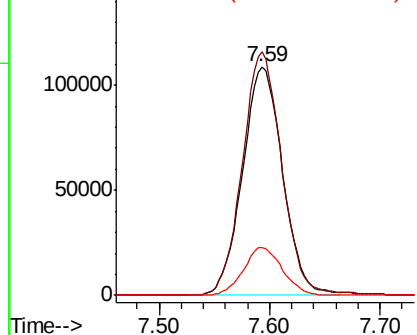
#35
Dibromofluoromethane
Concen: 47.641 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054820.D
Acq: 30 Mar 2019 23:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 274232
Ion Ratio Lower Upper
113 100
111 105.2 82.2 123.4
192 20.5 19.2 28.8

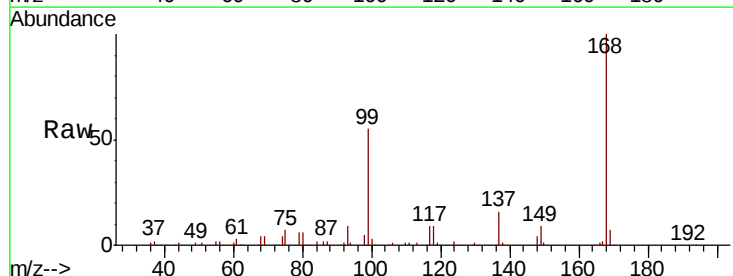


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

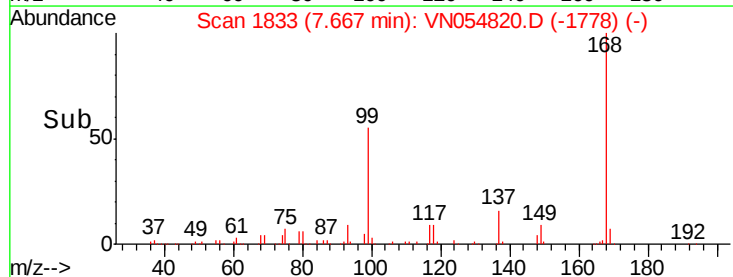
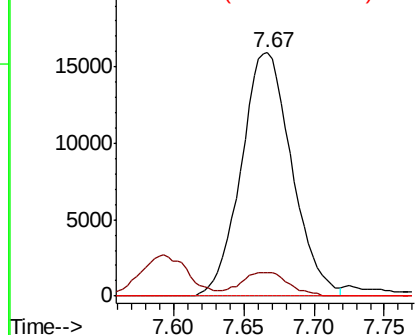


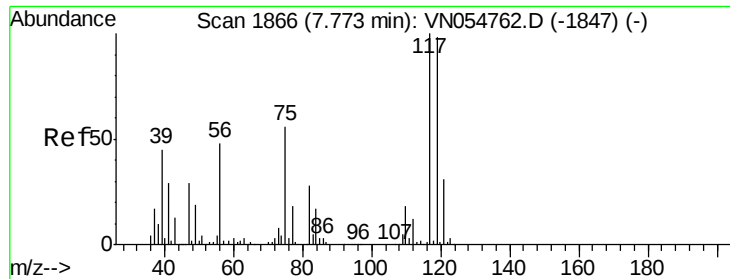
#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.12 min
Lab File: VN054820.D
Acq: 30 Mar 2019 23:58

Tgt Ion: 75 Resp: 39967
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.5#
77 0.0 25.0 37.4#



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: 6.299 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054820.D

Acq: 30 Mar 2019 23:58

Instrument :

MSVOA_N

ClientSampled :

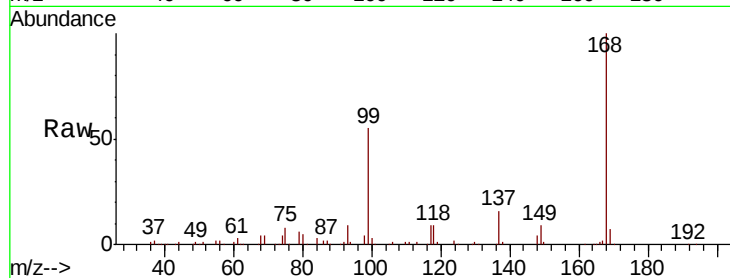
Tot Ion:117 Resp: 49224

Ion Ratio Lower Upper

117 100

119 5.7 76.3 114.5#

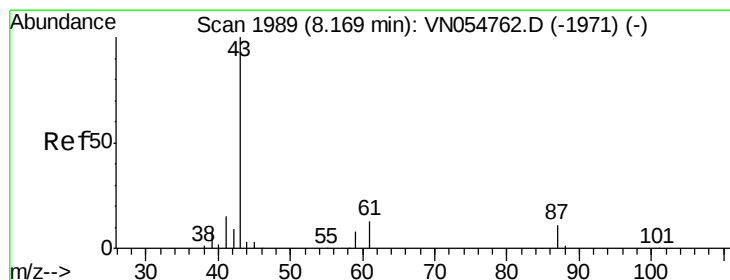
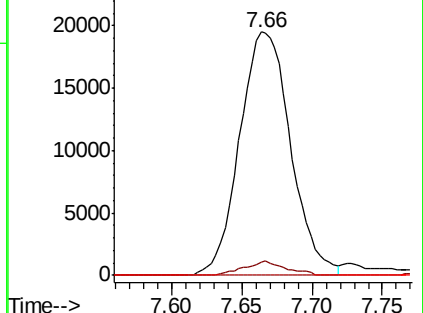
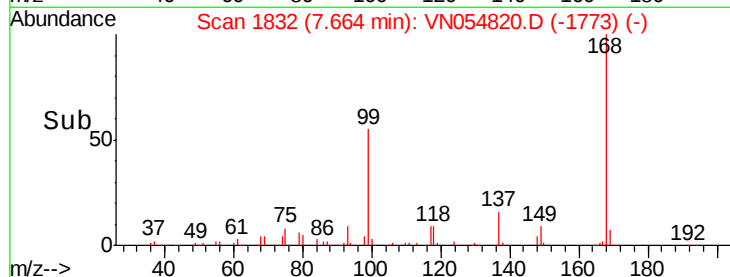
121 0.0 24.6 36.8#



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: 0.453 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.08 min

Lab File: VN054820.D

Acq: 30 Mar 2019 23:58

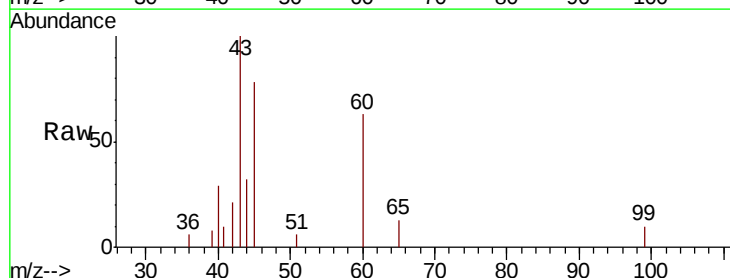
Tgt Ion: 43 Resp: 4343

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

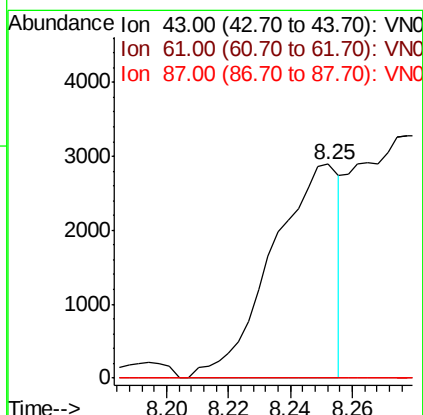
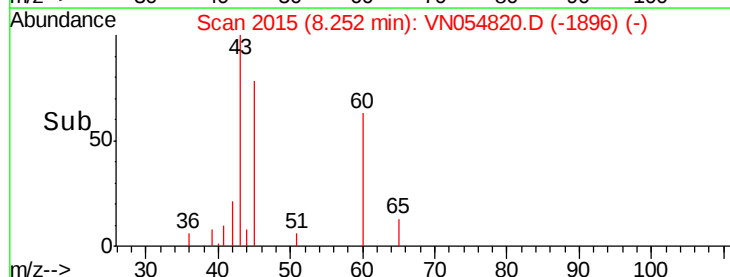
87 0.0 12.0 18.0#

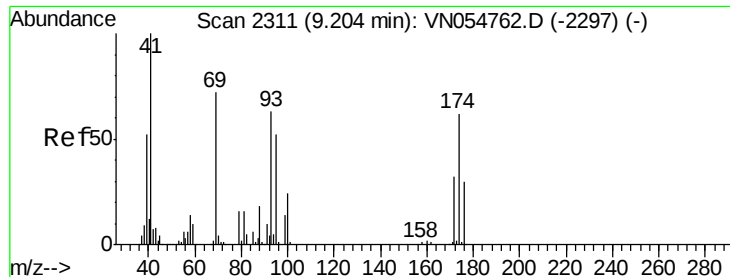


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

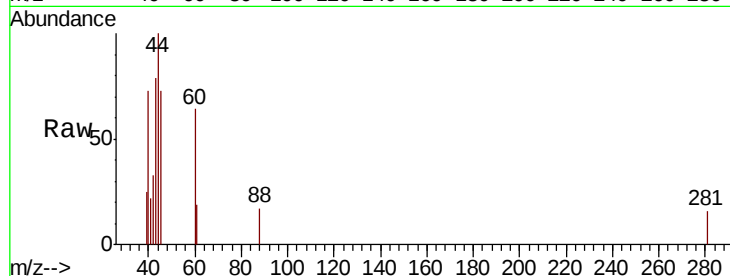




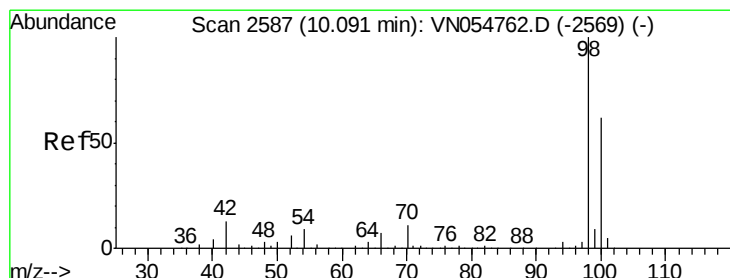
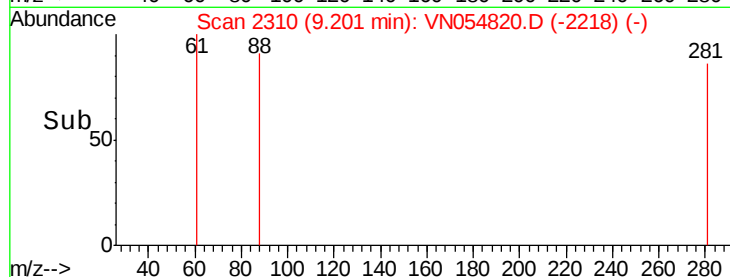
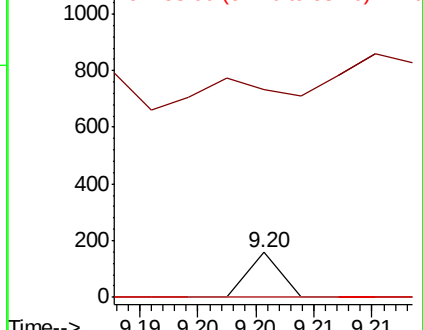
#49
1,4-Dioxane
Concen: 0.601 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054820.D
Acq: 30 Mar 2019 23:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 341.9 24.1 36.1#
58 0.0 50.8 76.2#

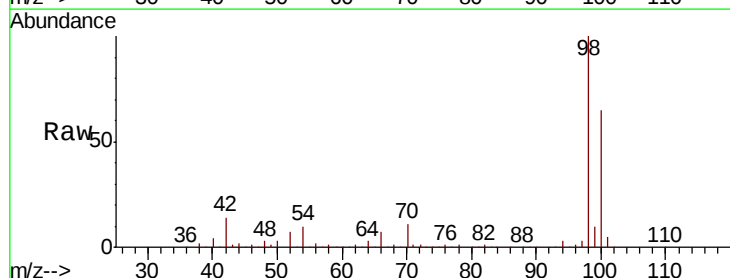


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

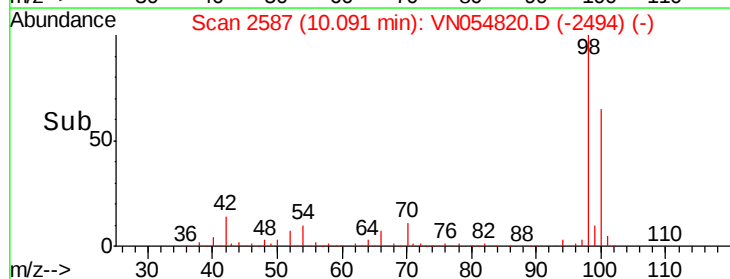
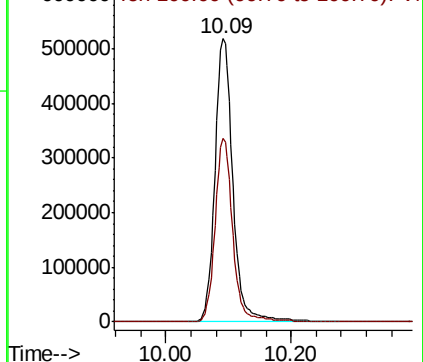


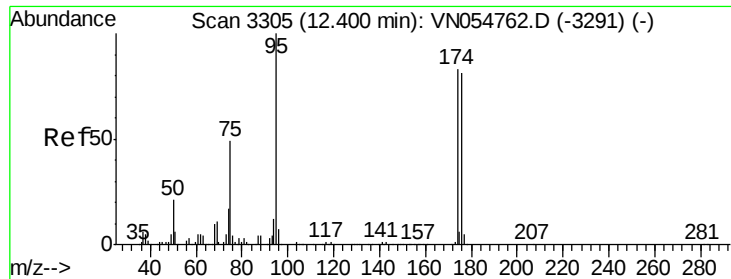
#50
Toluene-d8
Concen: 48.187 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054820.D
Acq: 30 Mar 2019 23:58

Tgt Ion: 98 Resp: 1031229
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 43.320 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054820.D

Acq: 30 Mar 2019 23:58

Instrument :

MSVOA_N

ClientSampled :

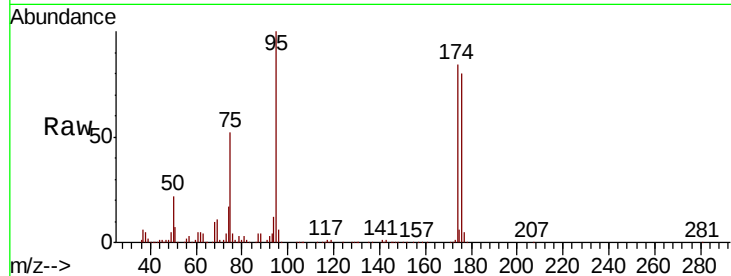
Tot Ion: 95 Resp: 308320

Ion Ratio Lower Upper

95 100

174 84.5 0.0 191.0

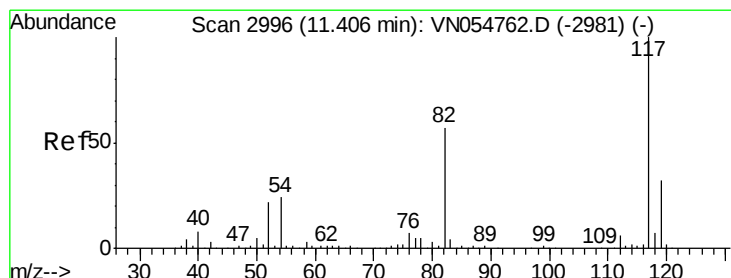
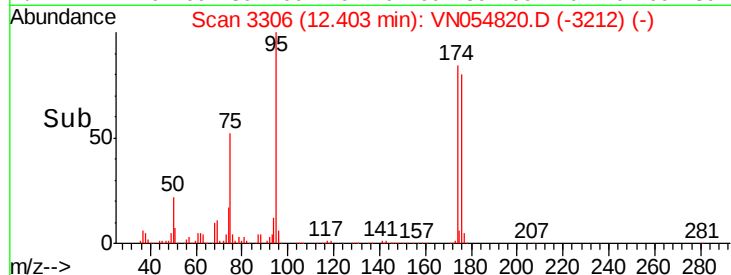
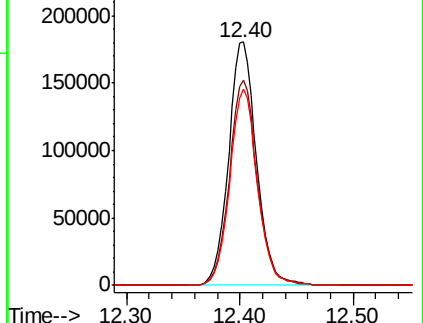
176 80.2 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054820.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054820.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054820.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054820.D

Acq: 30 Mar 2019 23:58

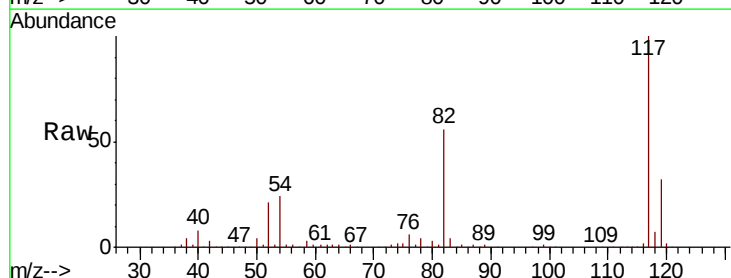
Tgt Ion: 117 Resp: 713039

Ion Ratio Lower Upper

117 100

82 55.5 40.0 60.0

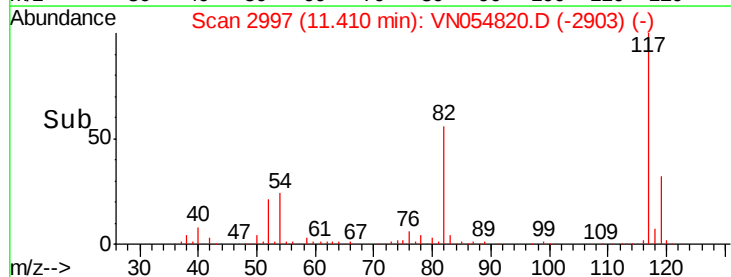
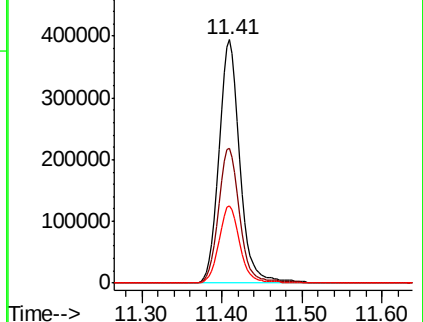
119 31.9 25.8 38.6

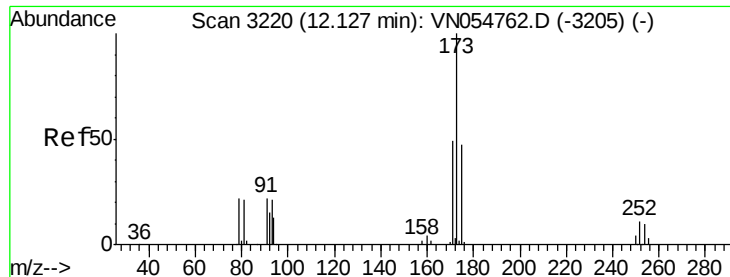


Abundance Ion 116.90 (116.60 to 117.60): VN054820.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054820.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054820.D (-2903) (-)

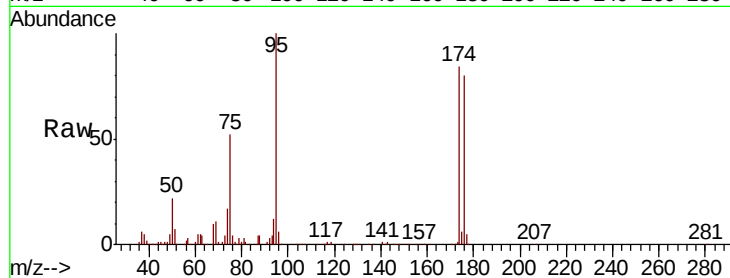




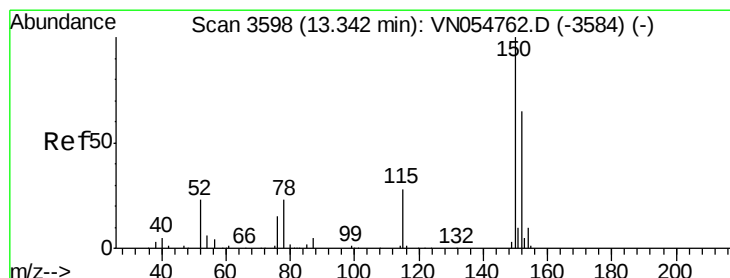
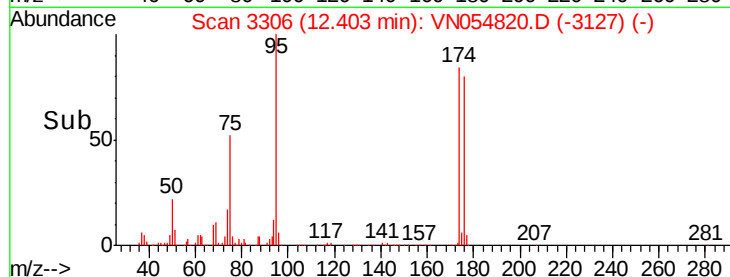
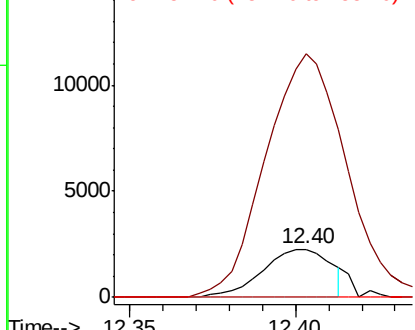
#71
Bromoform
Concen: 1.068 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054820.D
Acq: 30 Mar 2019 23:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 3268
Ion Ratio Lower Upper
173 100
175 496.9 24.4 73.2#
254 0.0 0.1 0.1#

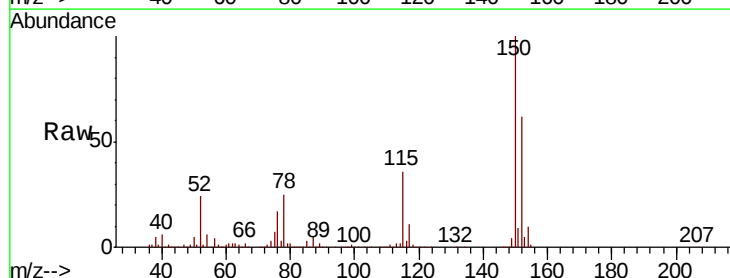


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

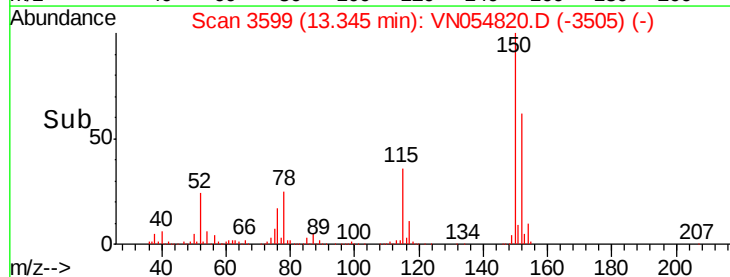
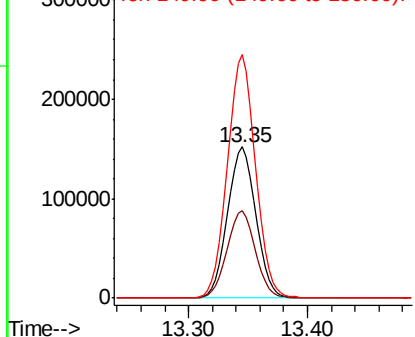


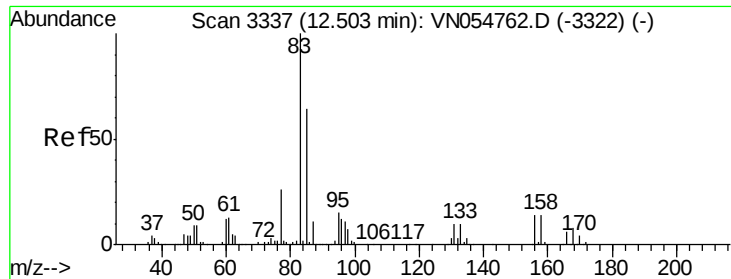
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054820.D
Acq: 30 Mar 2019 23:58

Tgt Ion:152 Resp: 252270
Ion Ratio Lower Upper
152 100
115 57.7 27.2 81.6
150 159.0 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: VN054820.D

Acq: 30 Mar 2019 23:58

Instrument :

MSVOA_N

ClientSampled :

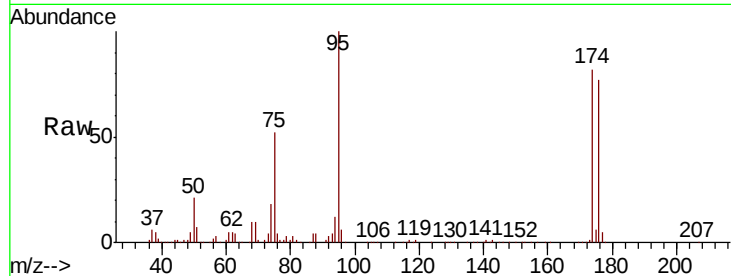
Tot Ion: 83 Resp: 106

Ion Ratio Lower Upper

83 100

131 97.2 5.8 17.4#

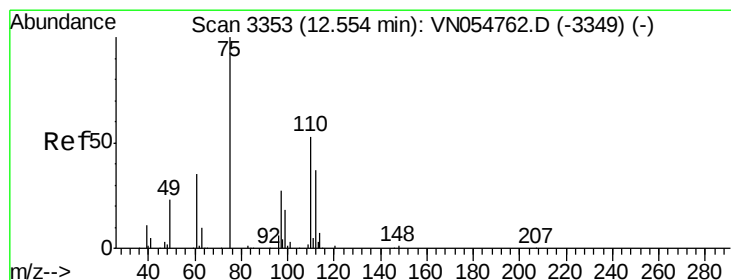
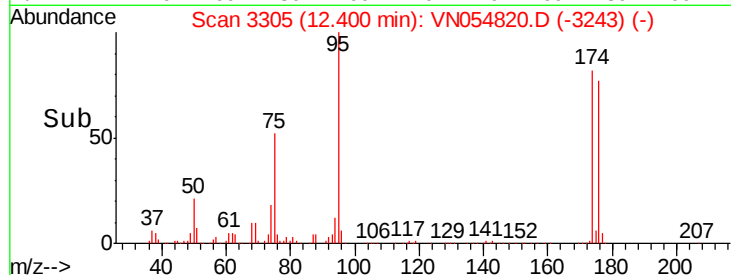
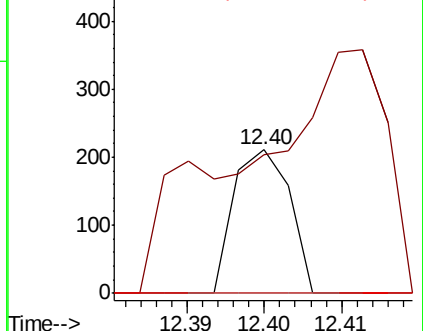
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 37.119 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054820.D

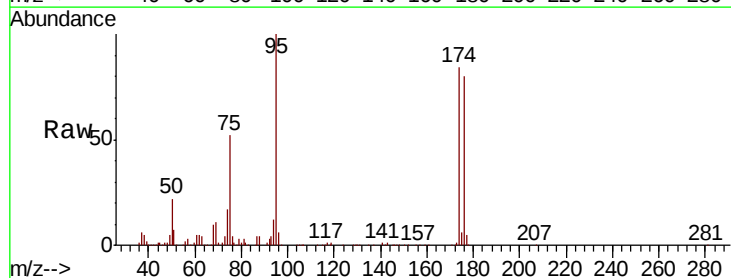
Acq: 30 Mar 2019 23:58

Tgt Ion: 75 Resp: 162676

Ion Ratio Lower Upper

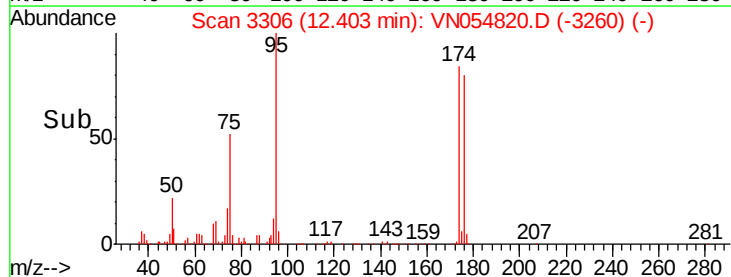
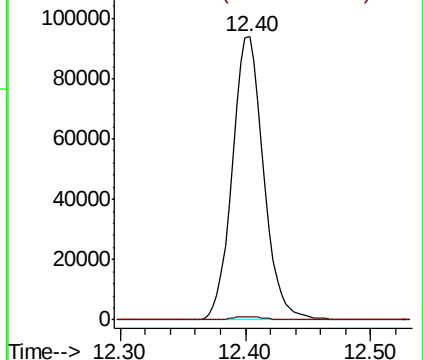
75 100

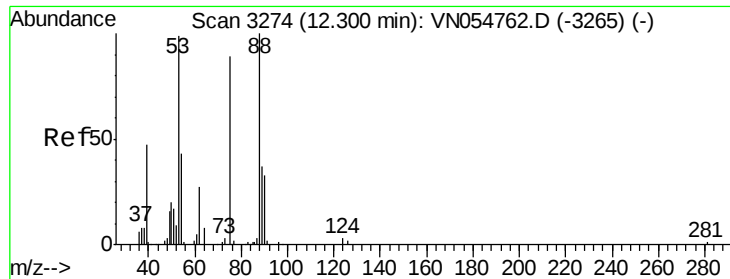
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

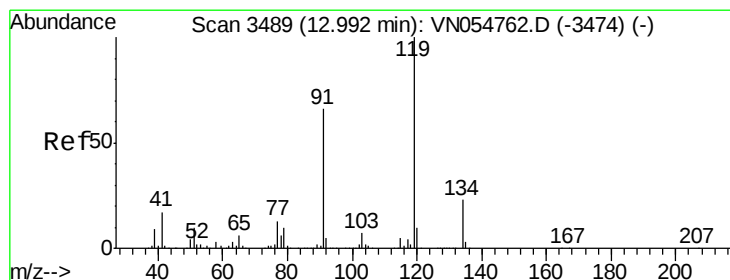
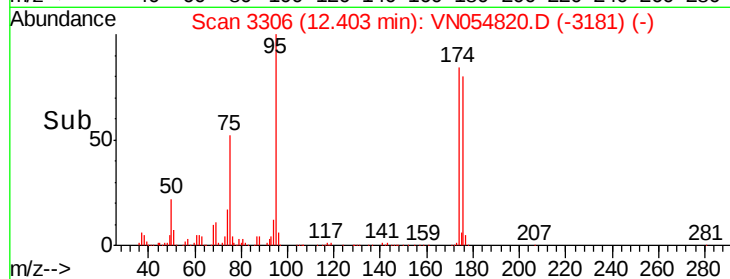
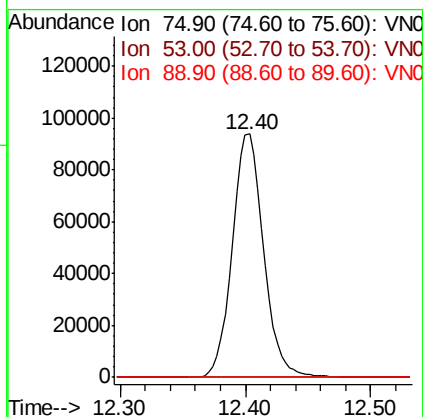
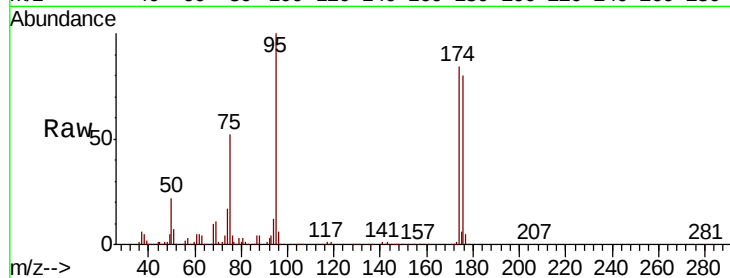




#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.385 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN054820.D
 Acq: 30 Mar 2019 23:58

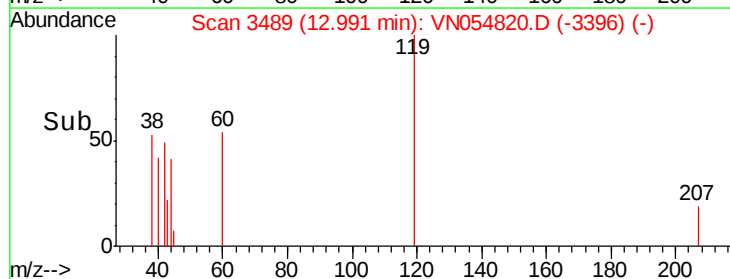
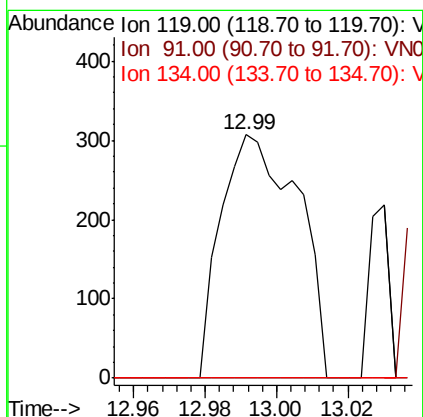
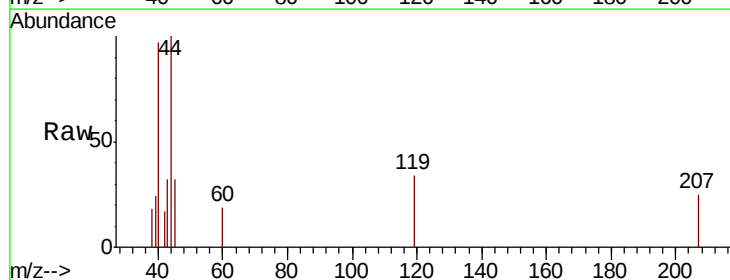
Instrument :
 MSVOA_N
 ClientSampleId :

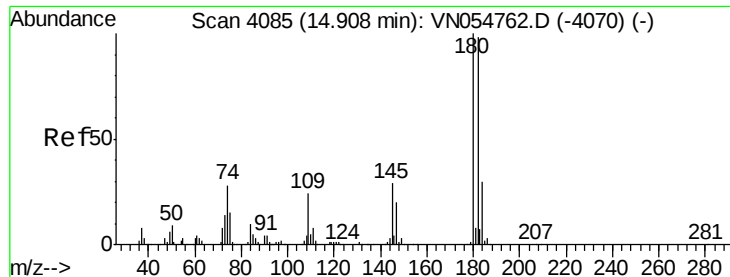
Tot Ion: 75 Resp: 162676
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.2 114.2#
 89 0.0 39.2 58.8#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054820.D
 Acq: 30 Mar 2019 23:58

Tgt Ion: 119 Resp: 458
 Ion Ratio Lower Upper
 119 100
 91 0.0 30.9 92.8#
 134 0.0 13.2 39.6#

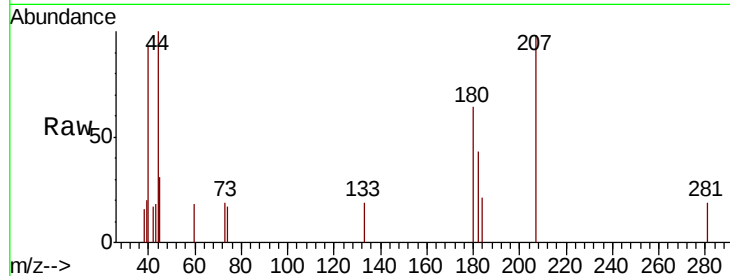




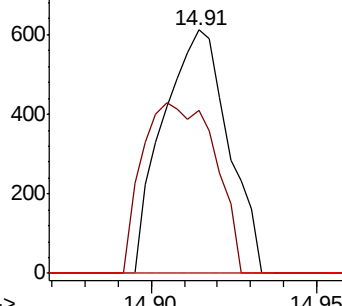
#93
 1,2,4-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN054820.D
 Acq: 30 Mar 2019 23:58

Instrument :
 MSVOA_N
 ClientSampleId :

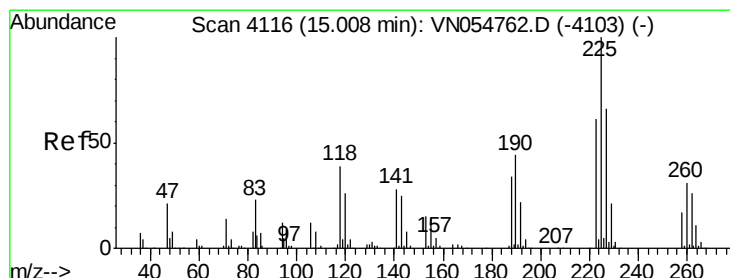
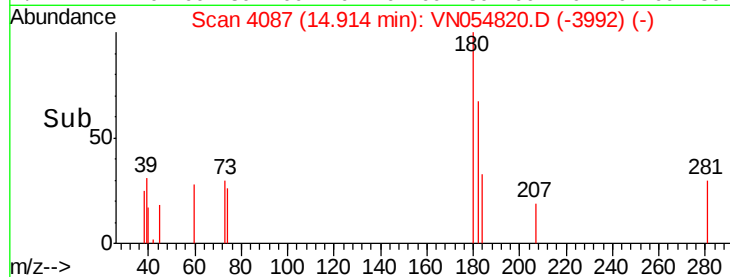
Tot Ion:180 Resp: 838
 Ion Ratio Lower Upper
 180 100
 182 77.8 48.0 144.2
 145 0.0 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

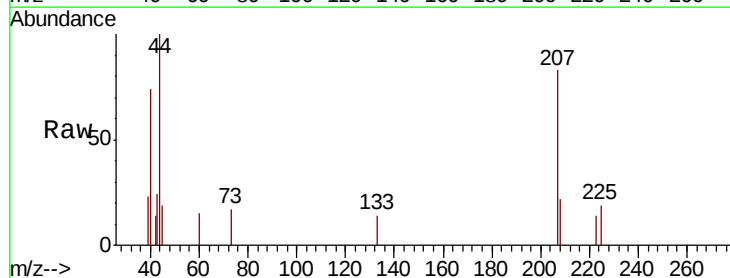


Time-->

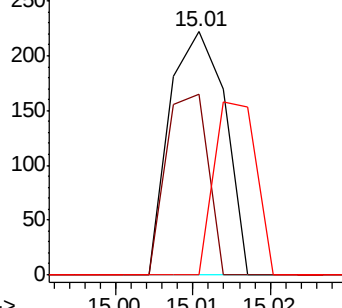


#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054820.D
 Acq: 30 Mar 2019 23:58

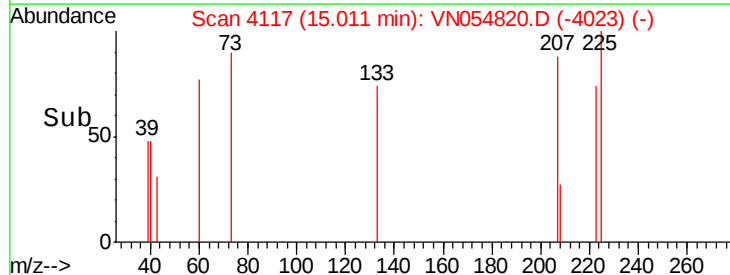
Tgt Ion:225 Resp: 111
 Ion Ratio Lower Upper
 225 100
 223 55.9 31.1 93.5
 227 54.1 31.9 95.9

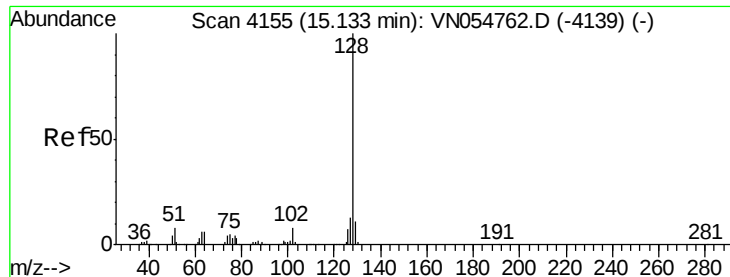


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 0.413 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN054820.D

Acq: 30 Mar 2019 23:58

Instrument :

MSVOA_N

ClientSampleId :

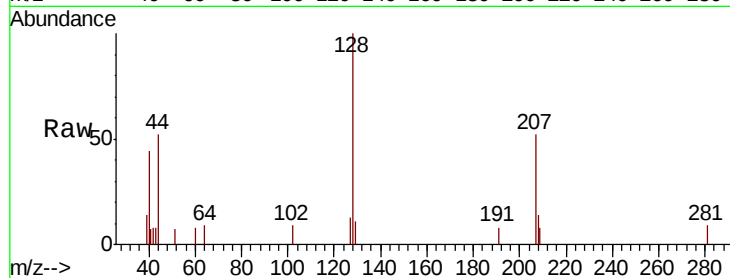
Tot Ion:128 Resp: 3752

Ion Ratio Lower Upper

128 100

127 6.9 10.1 15.1#

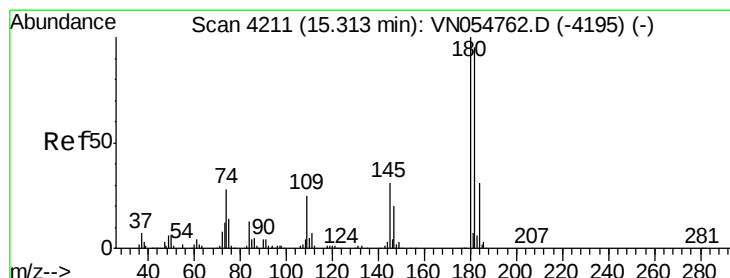
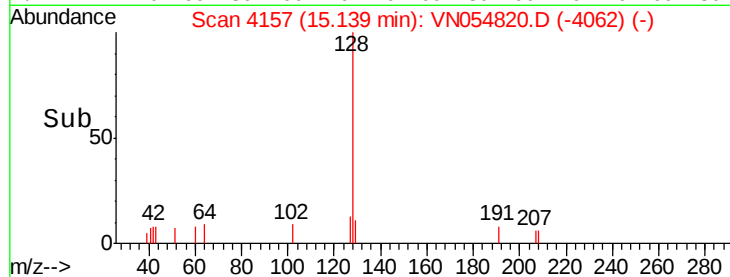
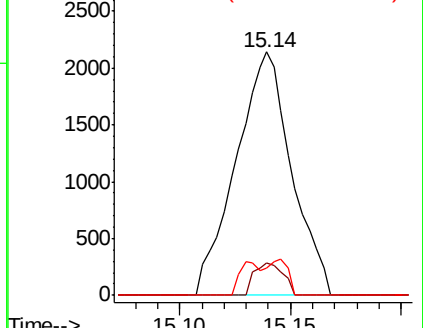
129 4.4 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.244 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054820.D

Acq: 30 Mar 2019 23:58

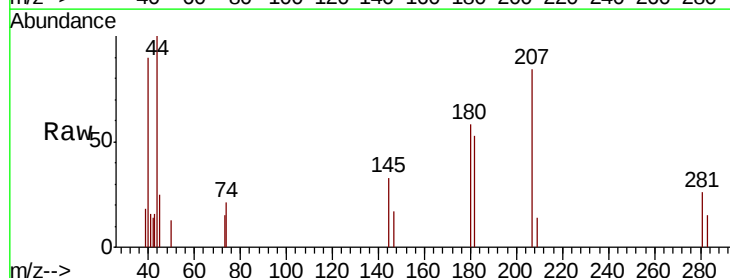
Tgt Ion:180 Resp: 998

Ion Ratio Lower Upper

180 100

182 110.1 47.5 142.6

145 49.2 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

