

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010219\
 Data File : VN053241.D
 Acq On : 2 Jan 2019 11:58
 Operator : MD\SY
 Sample : J6598-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW05 122818

Quant Time: Jan 03 01:22:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1147396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1750186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1582748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	586386	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	555456	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
35) Dibromofluoromethane	7.59	113	504897	63.15	ug/l	0.00
Spiked Amount			Recovery	=	126.30%	
50) Toluene-d8	10.09	98	2157766	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.40	95	694319	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	

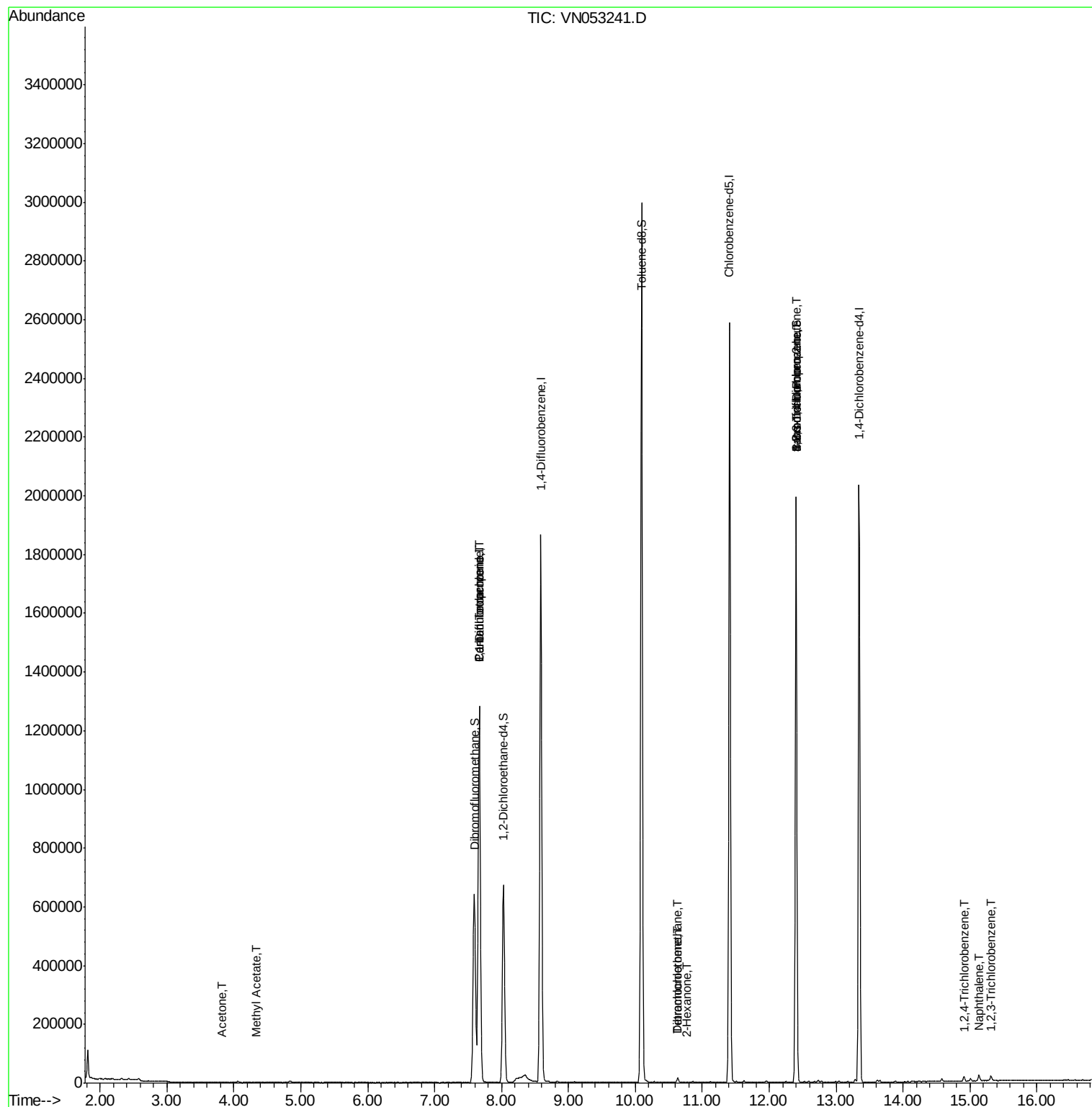
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	3724	1.631	ug/l	97
18) Methyl Acetate	4.33	43	2666	1.244	ug/l #	59
31) Cyclohexane	7.67	56	19430	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	73201	4.358	ug/l #	49
38) Carbon Tetrachloride	7.67	117	98057	6.368	ug/l #	16
43) Isopropyl Acetate	8.23	43	11005	Below Cal	#	53
59) 2-Hexanone	10.76	43	1419	0.231	ug/l	78
60) Dibromochloromethane	10.63	129	3261	0.264	ug/l #	11
64) Tetrachloroethene	10.63	164	3678	0.215	ug/l	95
71) Bromoform	12.40	173	4503	0.511	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	325242	32.949	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	325242	106.197	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	6198	1.178	ug/l	90
94) Hexachlorobutadiene	15.01	225	1979	Below Cal		93
95) Naphthalene	15.14	128	18421	1.927	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	6514	1.188	ug/l	97

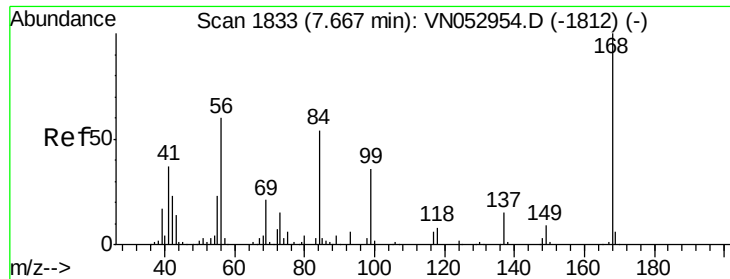
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

Instrument :

MSVOA_N

ClientSampled :

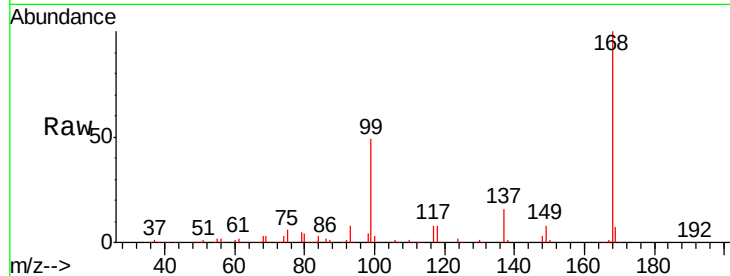
MW05 122818

Tgt Ion:168 Resp: 1147396

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053241.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053241.D (-1740) (-)

7.67

500000

400000

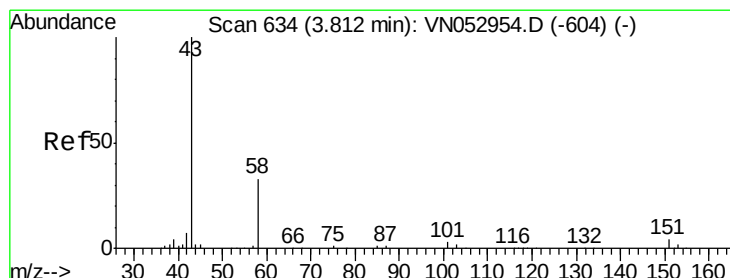
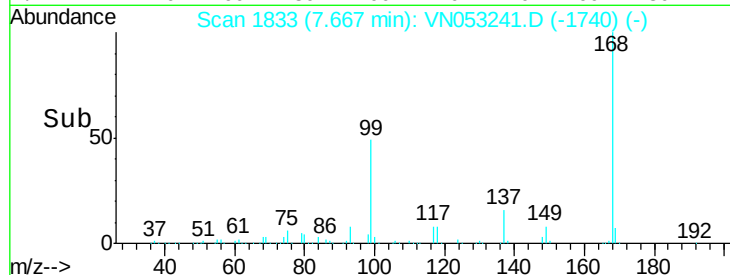
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.631 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.02 min

Lab File: VN053241.D

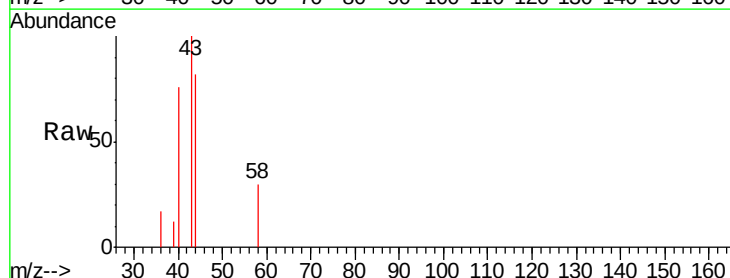
Acq: 2 Jan 2019 11:58

Tgt Ion: 43 Resp: 3724

Ion Ratio Lower Upper

43 100

58 30.1 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053241.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053241.D (-541) (-)

3.83

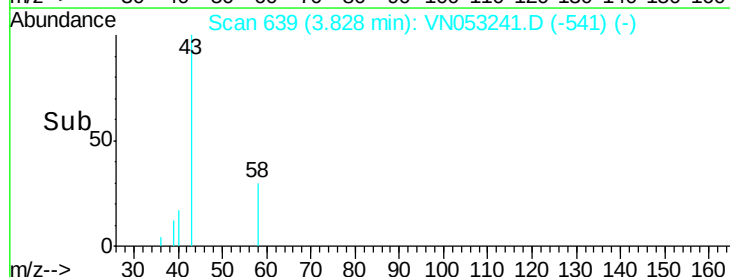
1500

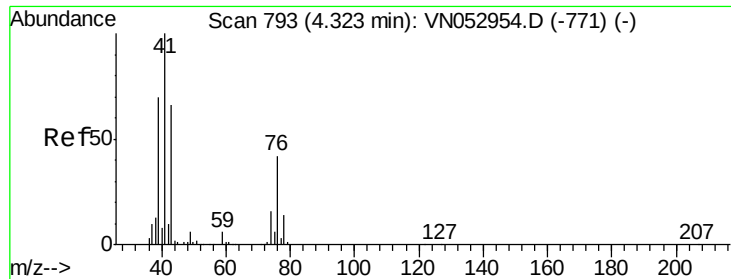
1000

500

0

Time-->

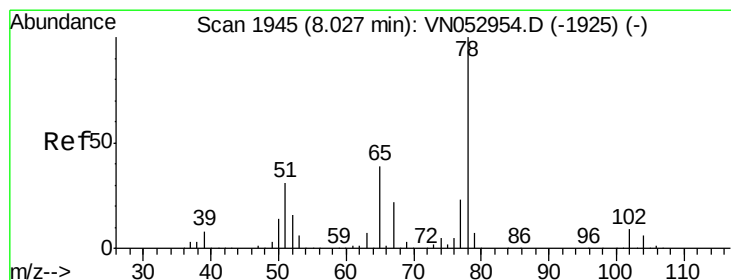
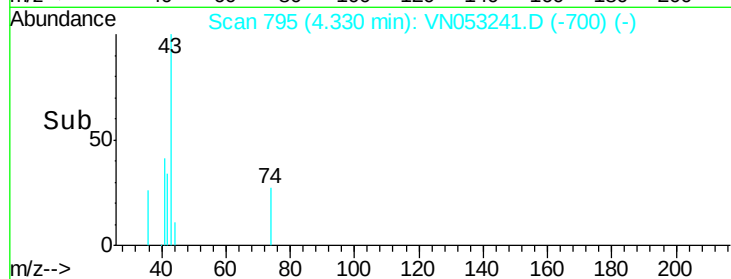
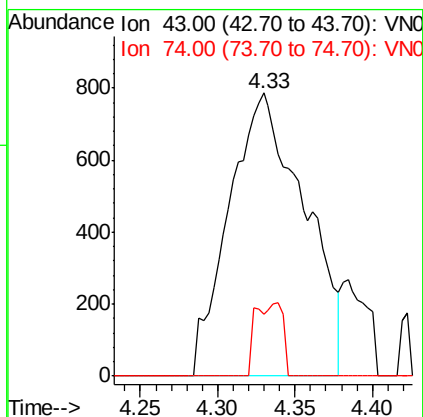
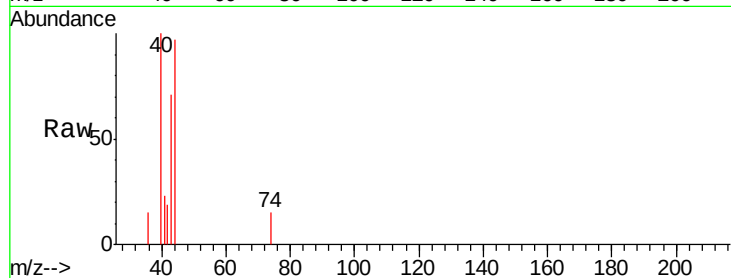




#18
Methyl Acetate
Concen: 1.244 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053241.D
Acq: 2 Jan 2019 11:58

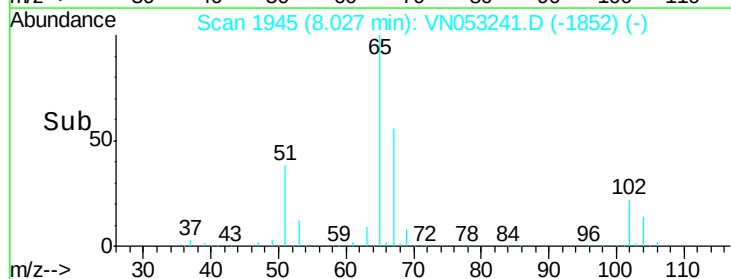
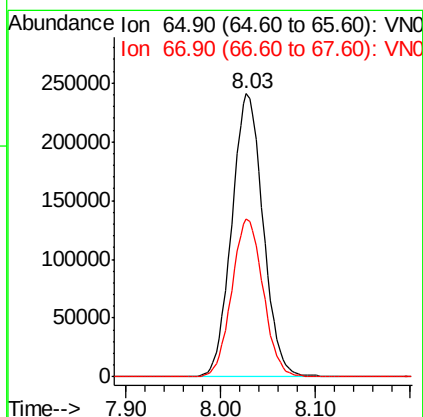
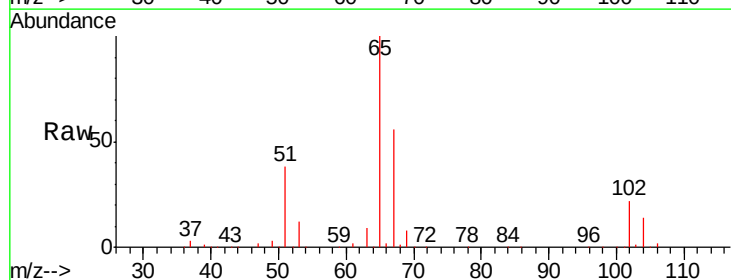
Instrument :
MSVOA_N
ClientSampleId :
MW05_122818

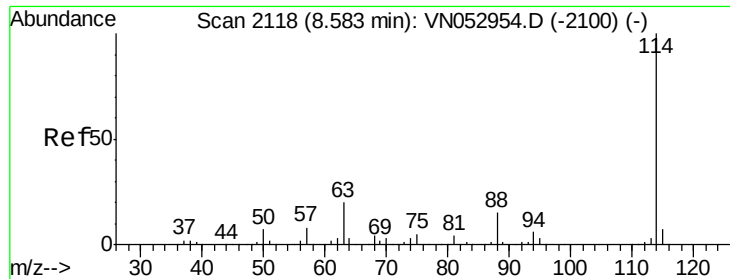
Tgt Ion: 43 Resp: 2666
Ion Ratio Lower Upper
43 100
74 3.9 19.2 28.8#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053241.D
Acq: 2 Jan 2019 11:58

Tgt Ion: 65 Resp: 555456
Ion Ratio Lower Upper
65 100
67 55.9 0.0 110.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

Instrument :

MSVOA_N

ClientSampled :

MW05 122818

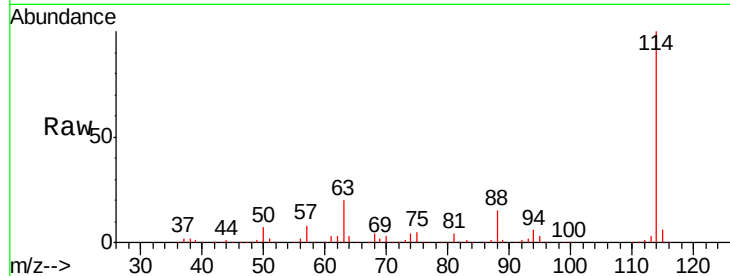
Tgt Ion:114 Resp: 1750186

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

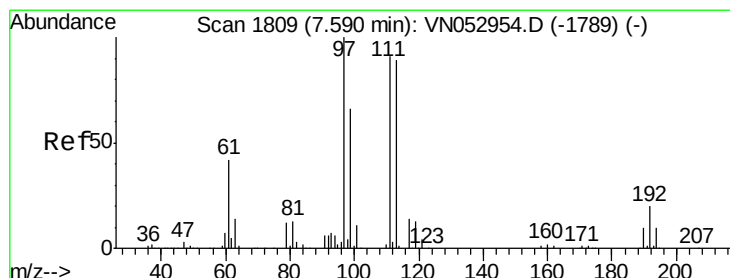
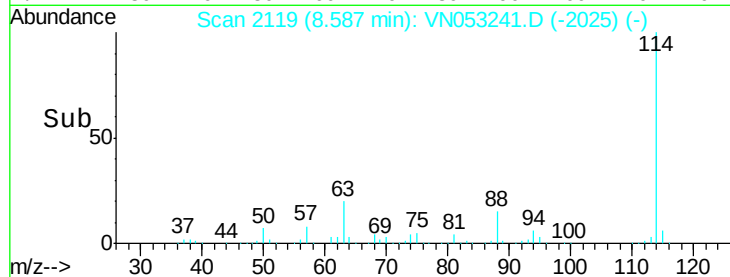
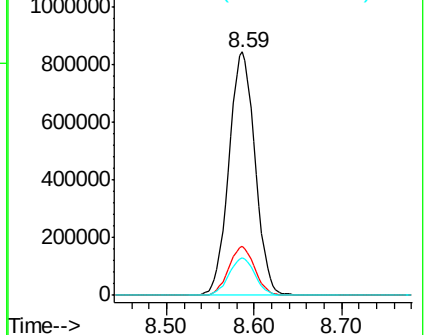
88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

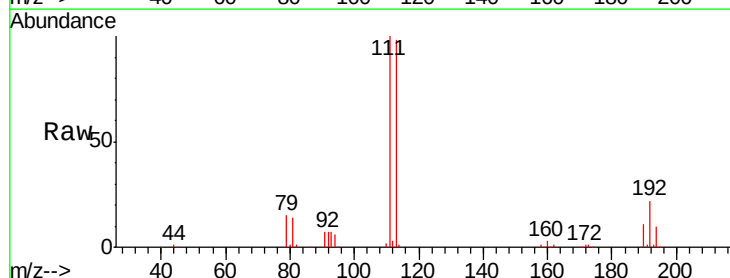
Tgt Ion:113 Resp: 504897

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.4

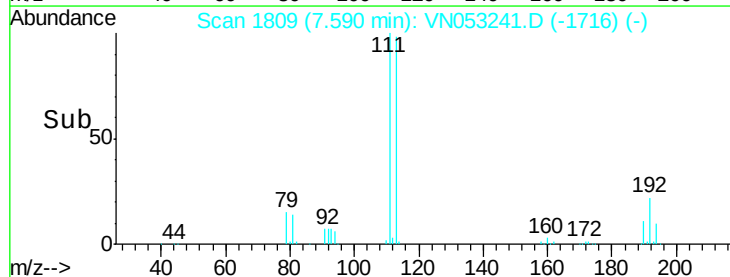
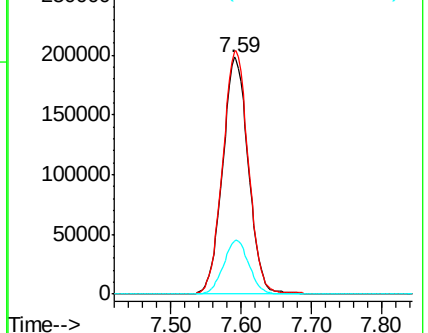
192 22.5 17.5 26.3

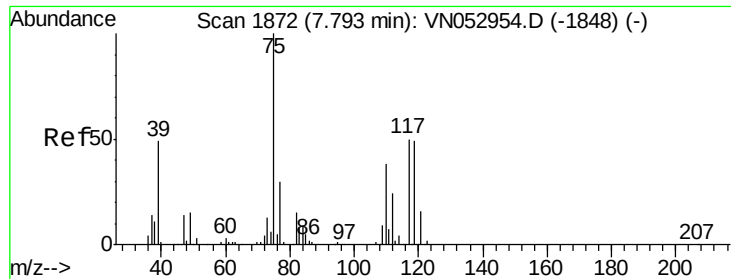


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

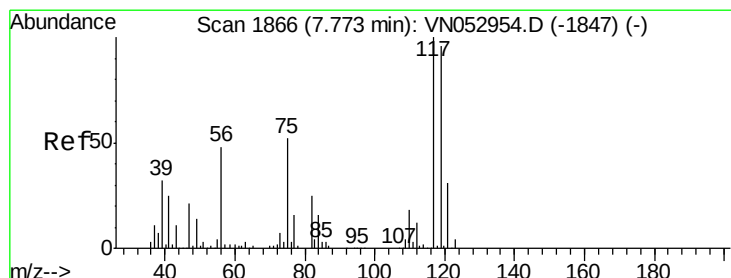
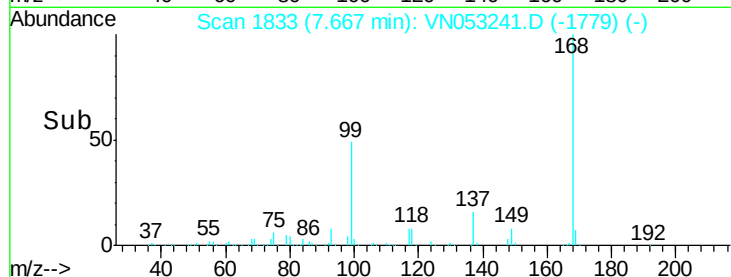
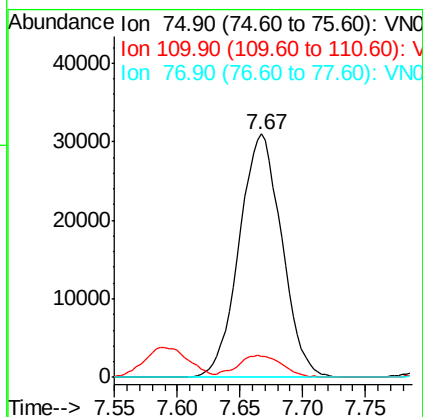
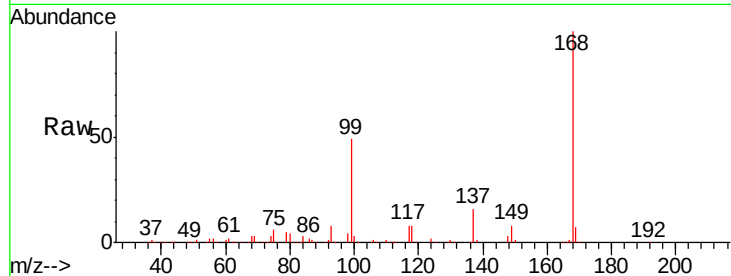




#36
 1,1-Dichloropropene
 Concen: 4.358 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053241.D
 Acq: 2 Jan 2019 11:58

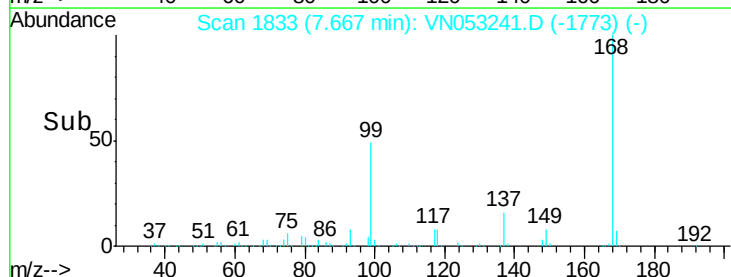
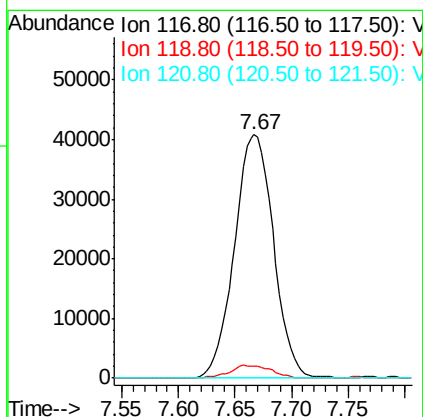
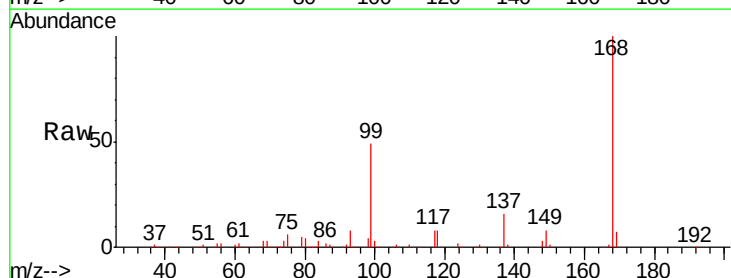
Instrument :
 MSVOA_N
 ClientSampleId :
 MW05_122818

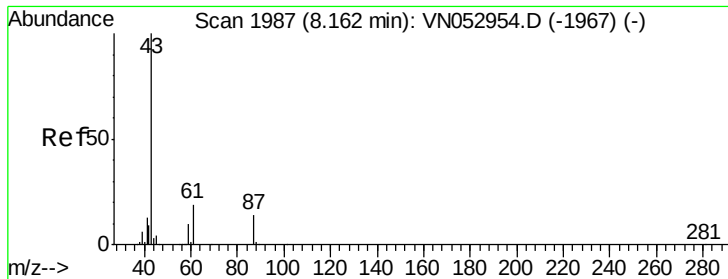
Tgt Ion: 75 Resp: 73201
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.2 54.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.368 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053241.D
 Acq: 2 Jan 2019 11:58

Tgt Ion: 117 Resp: 98057
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.1 115.7#
 121 0.0 24.9 37.3#



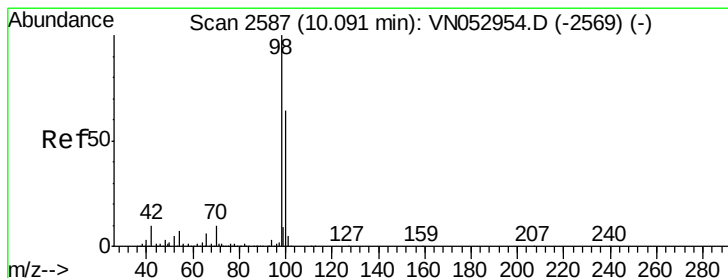
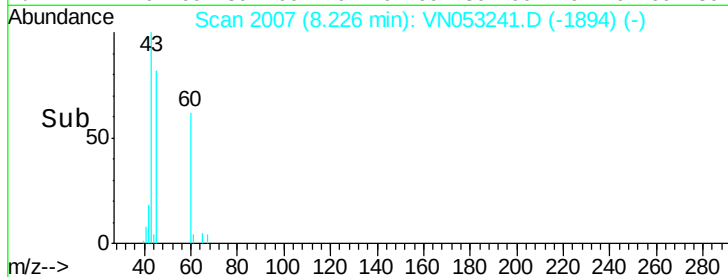
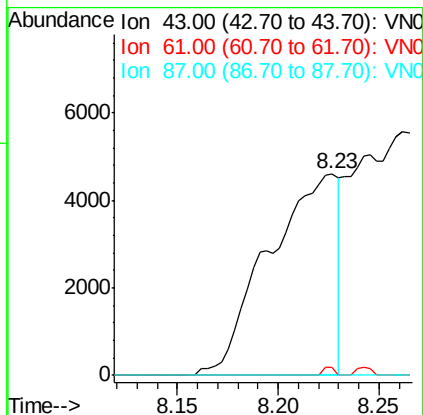
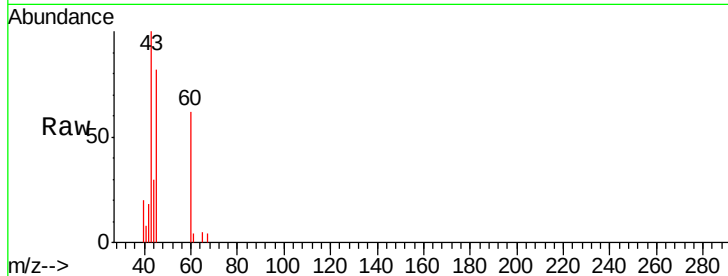


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 8.23 min Scan# 2007
 Delta R.T. 0.06 min
 Lab File: VN053241.D
 Acq: 2 Jan 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 MW05_122818

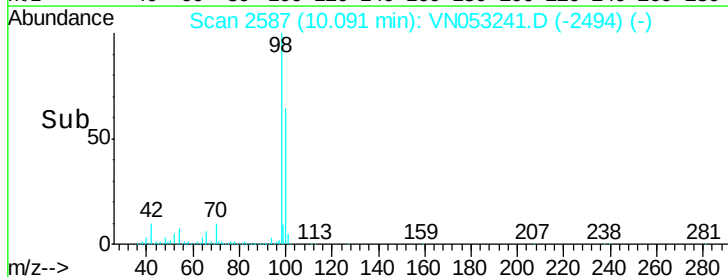
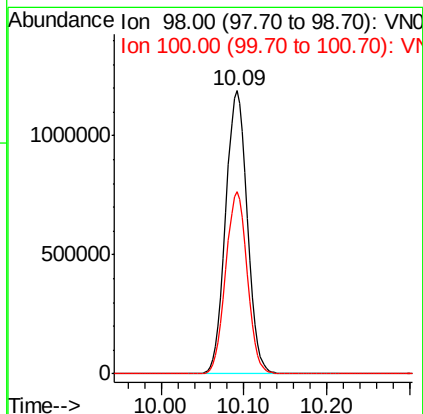
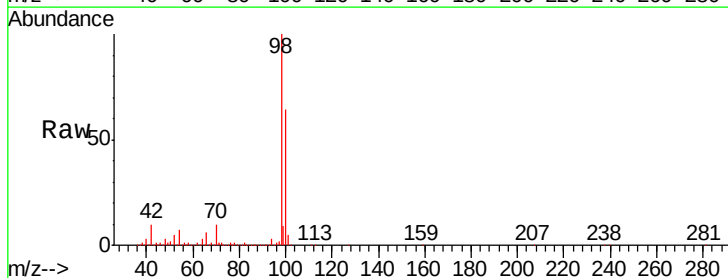
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.9	34.3#
87	0.0	10.6	15.8#

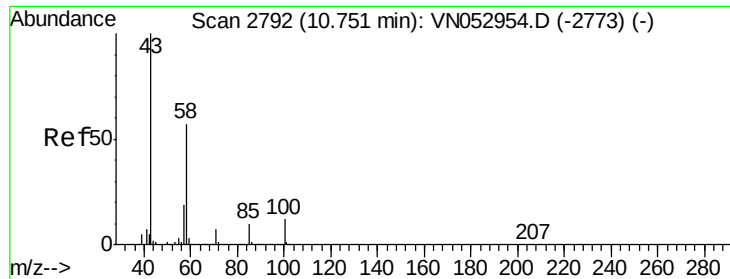


#50

Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053241.D
 Acq: 2 Jan 2019 11:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4

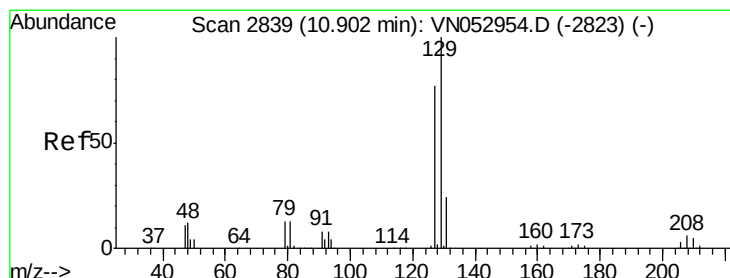
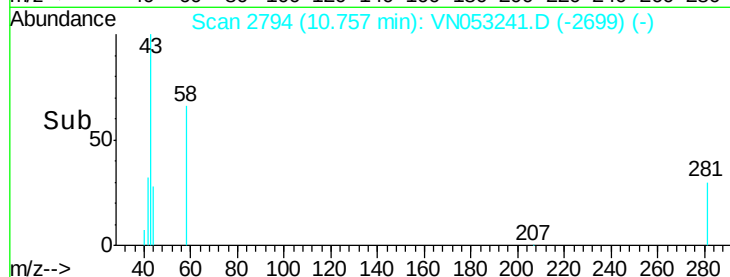
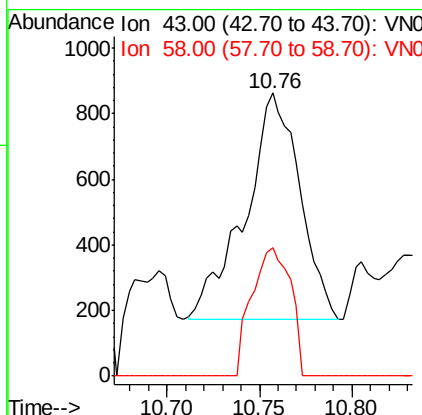
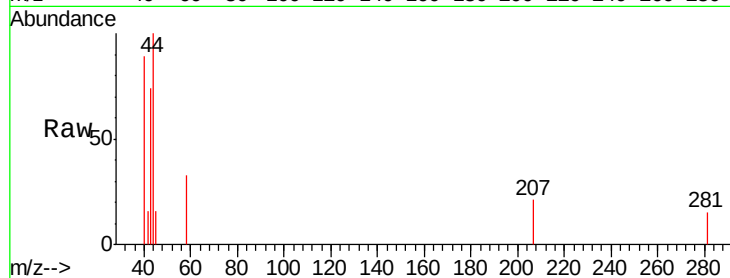




#59
2-Hexanone
Concen: 0.231 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN053241.D
Acq: 2 Jan 2019 11:58

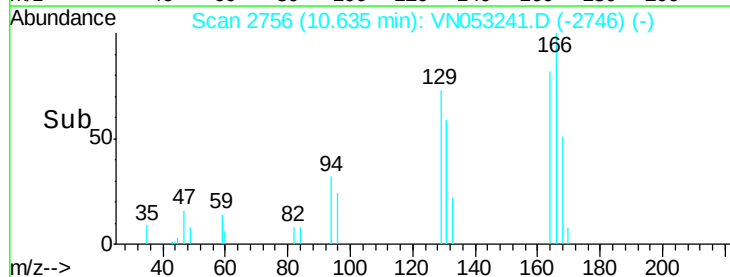
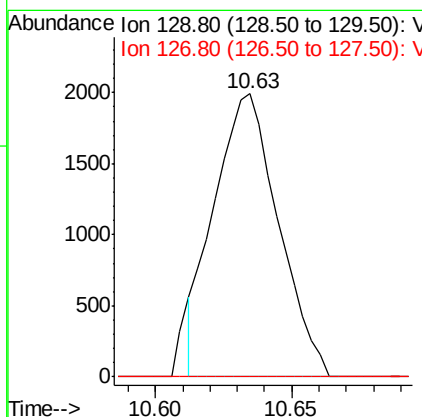
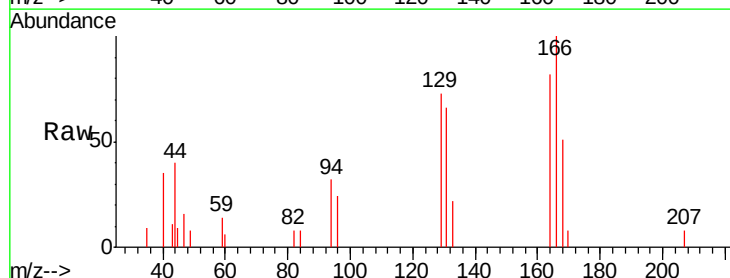
Instrument :
MSVOA_N
ClientSampled :
MW05 122818

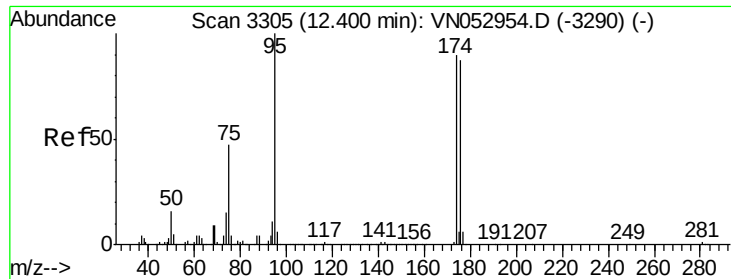
Tgt Ion: 43 Resp: 1419
Ion Ratio Lower Upper
43 100
58 40.0 28.1 84.3



#60
Dibromochloromethane
Concen: 0.264 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN053241.D
Acq: 2 Jan 2019 11:58

Tgt Ion: 129 Resp: 3261
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

Instrument :

MSVOA_N

ClientSampled :

MW05 122818

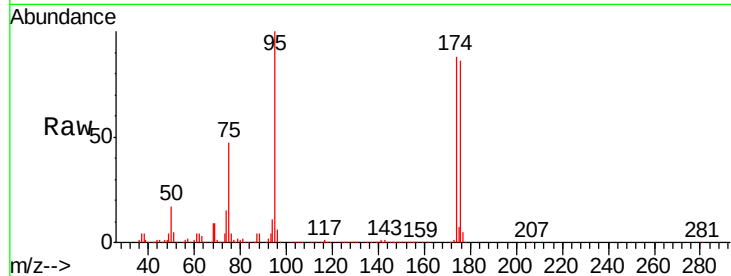
Tgt Ion: 95 Resp: 694319

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

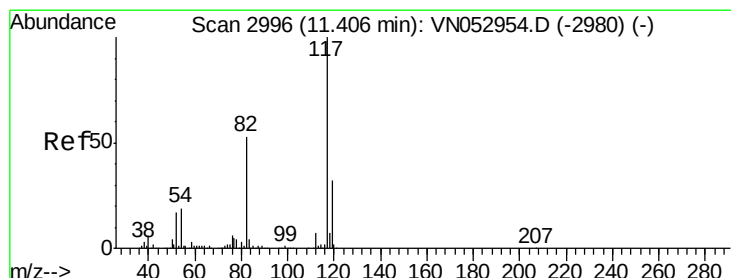
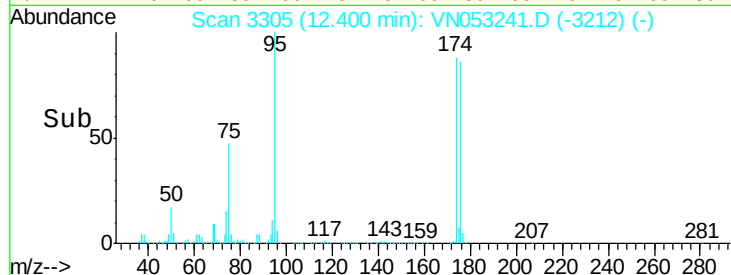
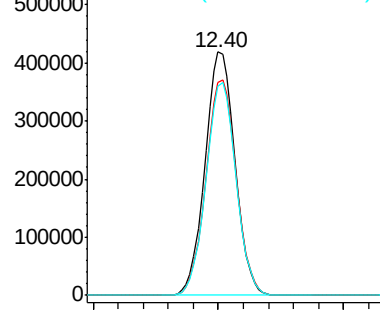
176 87.4 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

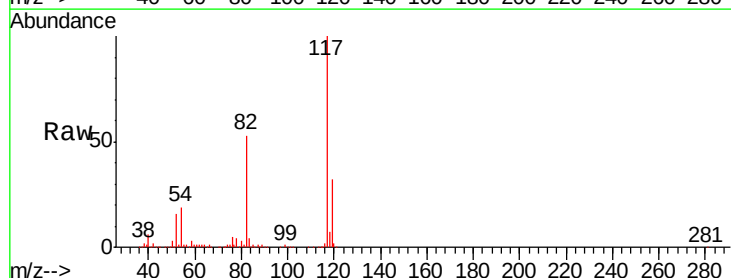
Tgt Ion: 117 Resp: 1582748

Ion Ratio Lower Upper

117 100

82 53.3 42.8 64.2

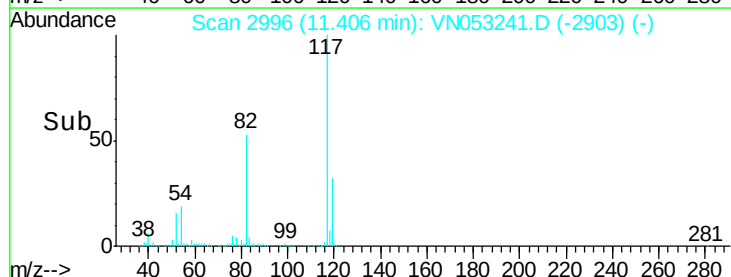
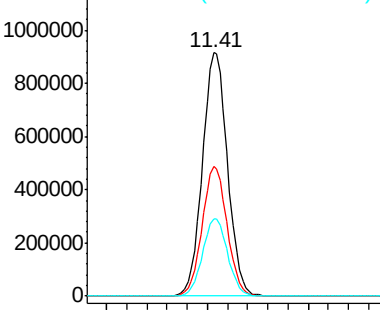
119 31.8 25.5 38.3

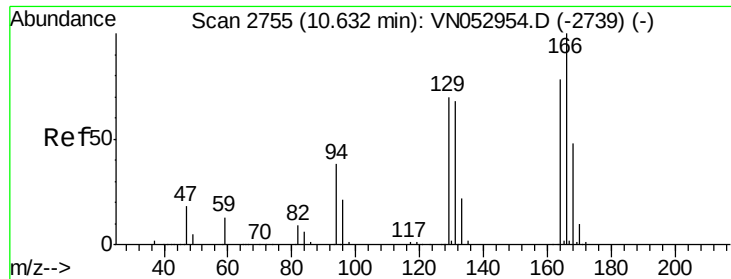


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)





#64

Tetrachloroethene

Concen: 0.215 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

MW05_122818

Tgt Ion:164 Resp: 3678

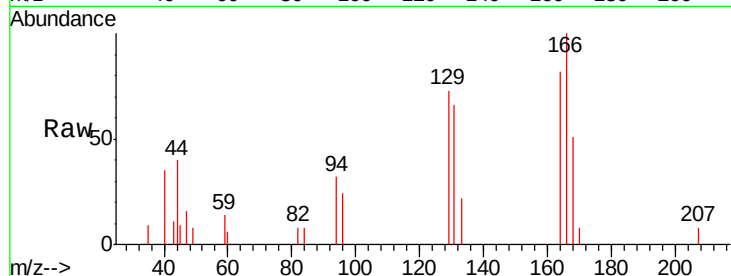
Ion Ratio Lower Upper

164 100

166 122.2 102.9 154.3

129 89.5 73.7 110.5

131 81.0 70.7 106.1

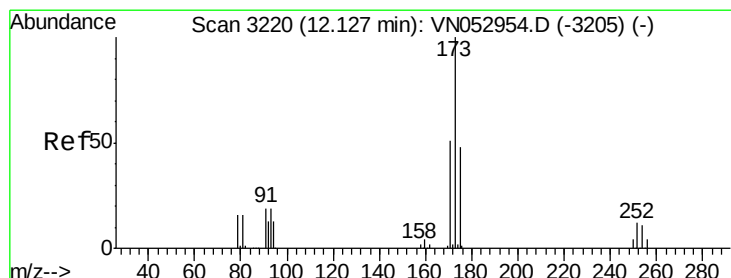
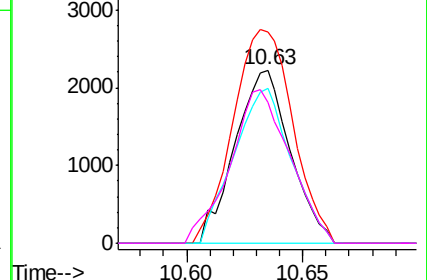
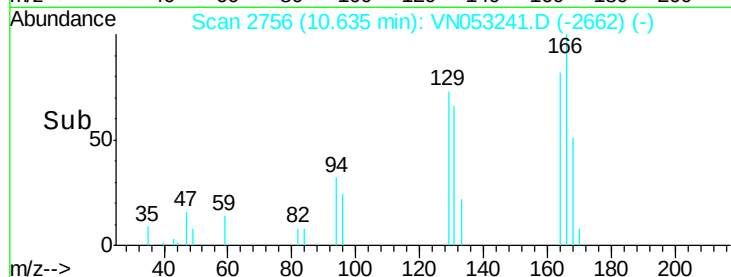


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.511 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

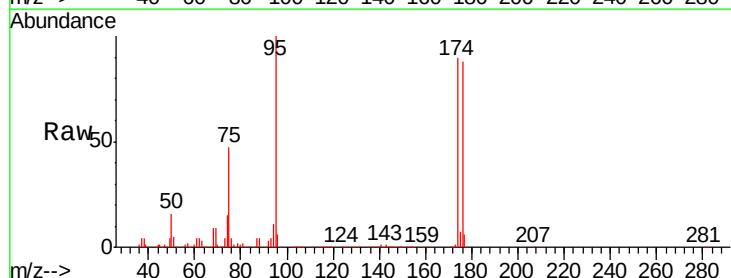
Tgt Ion:173 Resp: 4503

Ion Ratio Lower Upper

173 100

175 891.5 24.3 72.9#

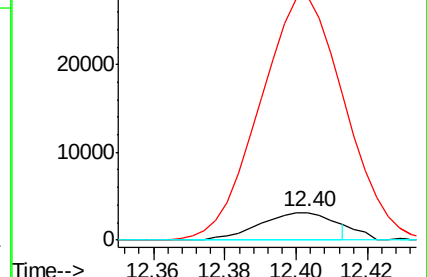
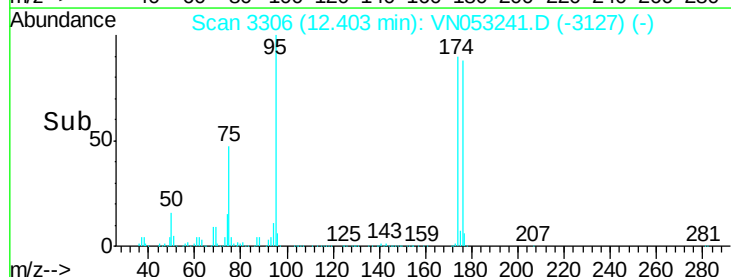
254 0.0 0.1 0.1#

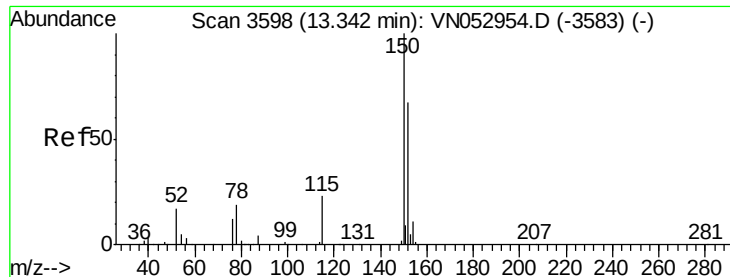


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

MW05_122818

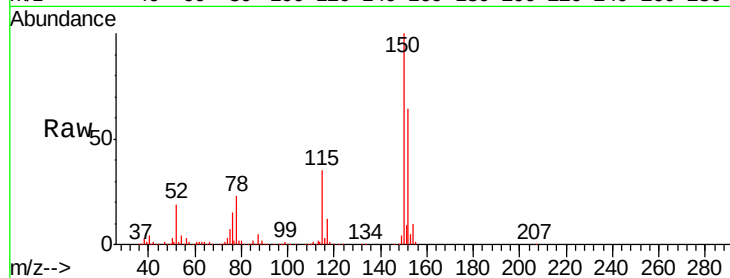
Tgt Ion:152 Resp: 586386

Ion Ratio Lower Upper

152 100

115 55.3 28.3 85.0

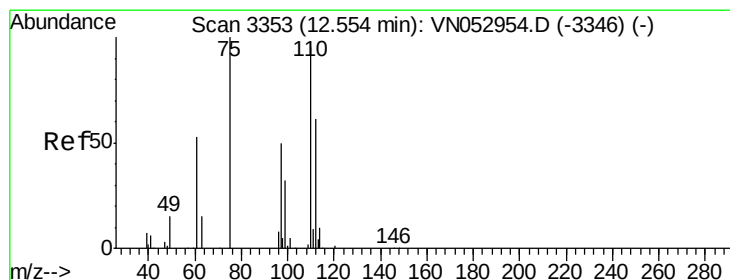
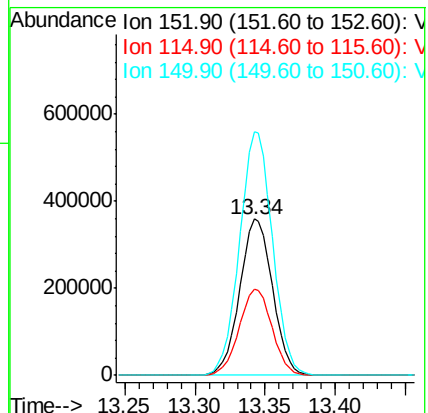
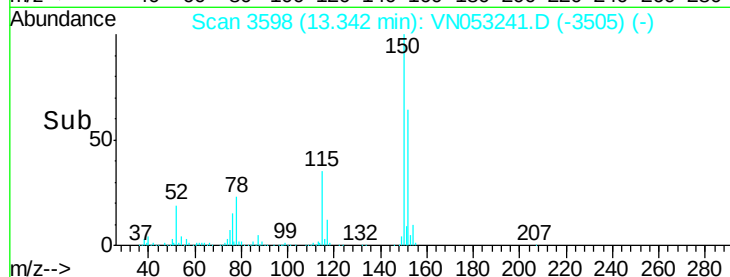
150 155.9 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 32.949 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053241.D

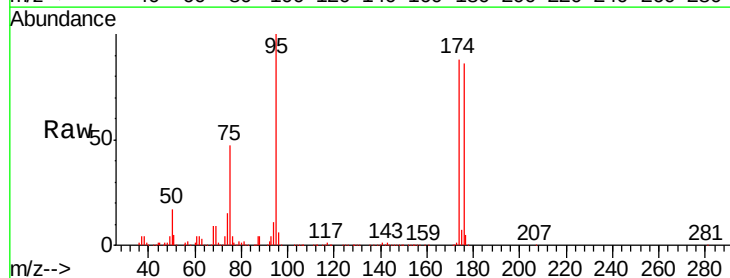
Acq: 2 Jan 2019 11:58

Tgt Ion: 75 Resp: 325242

Ion Ratio Lower Upper

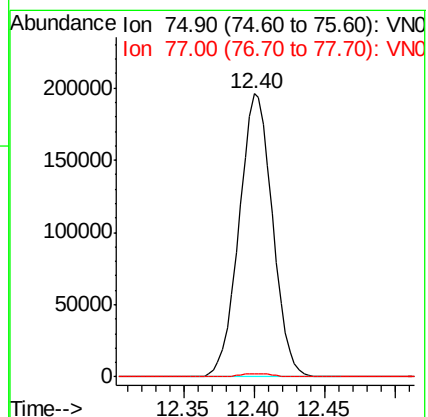
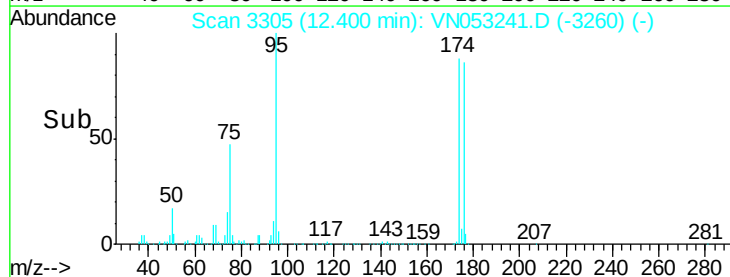
75 100

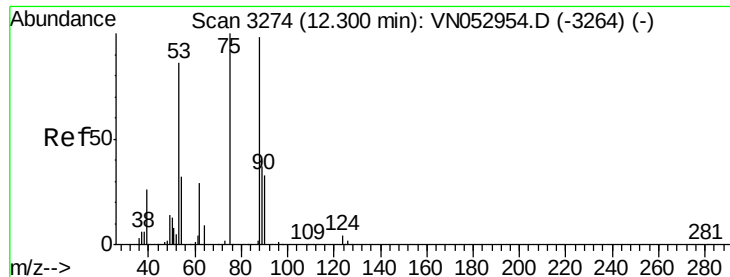
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

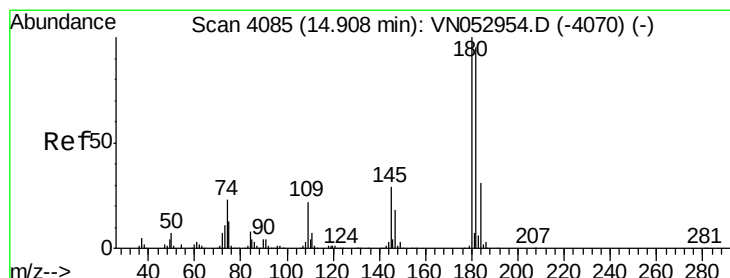
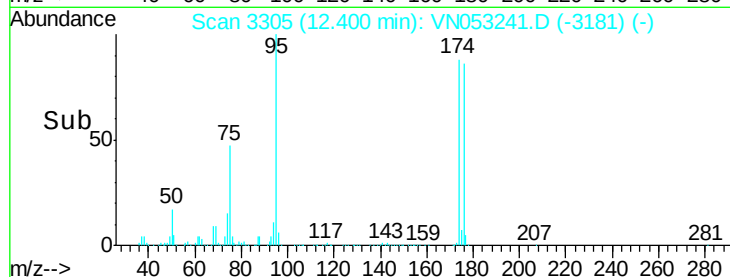
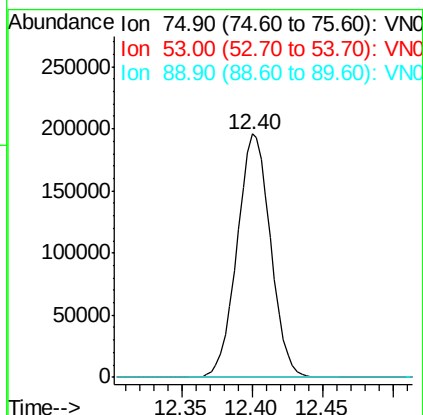
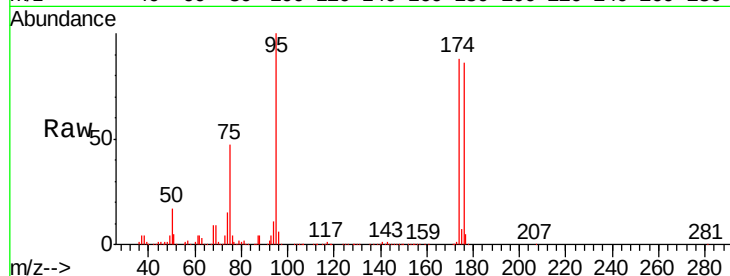




#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.197 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053241.D
 Acq: 2 Jan 2019 11:58

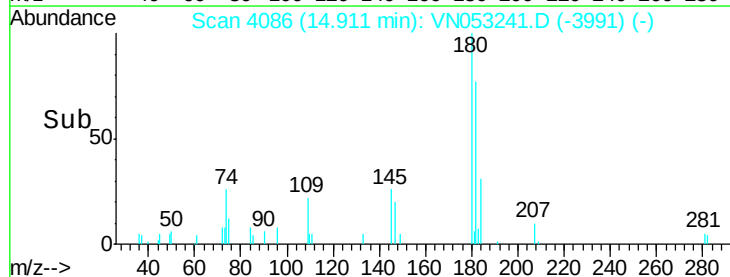
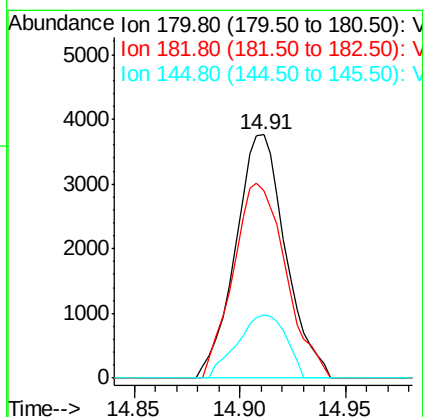
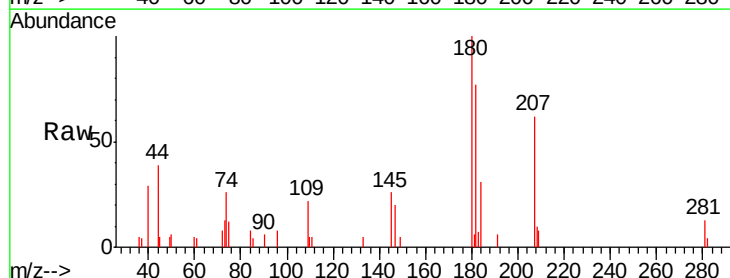
Instrument :
 MSVOA_N
 ClientSampleId :
 MW05_122818

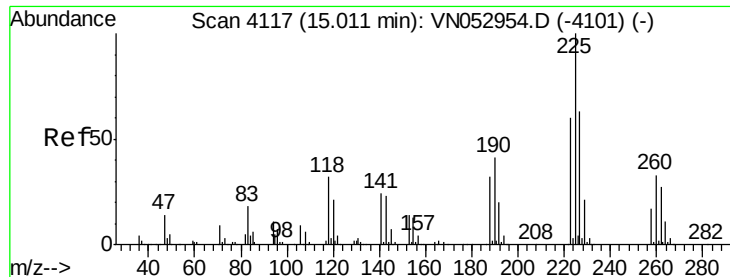
Tgt Ion: 75 Resp: 325242
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.178 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053241.D
 Acq: 2 Jan 2019 11:58

Tgt Ion: 180 Resp: 6198
 Ion Ratio Lower Upper
 180 100
 182 84.2 47.8 143.3
 145 25.3 14.2 42.6





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

MW05 122818

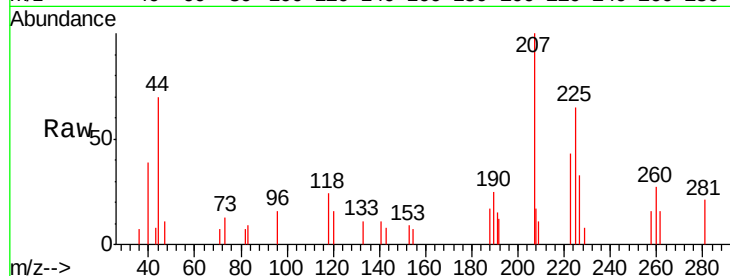
Tgt Ion: 225 Resp: 1979

Ion Ratio Lower Upper

225 100

223 73.4 31.5 94.5

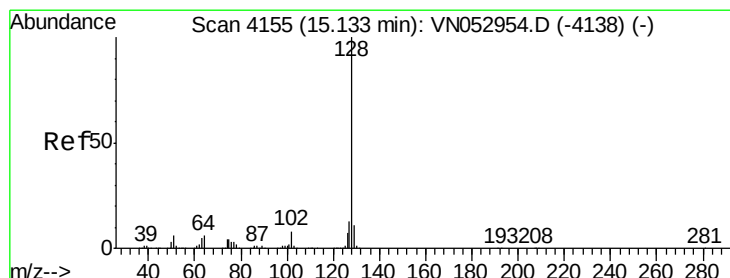
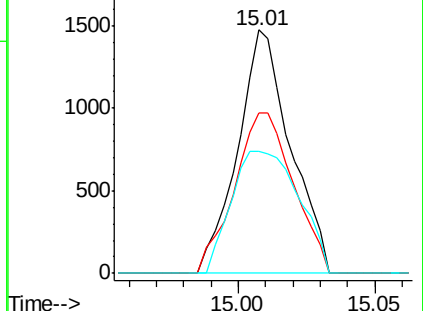
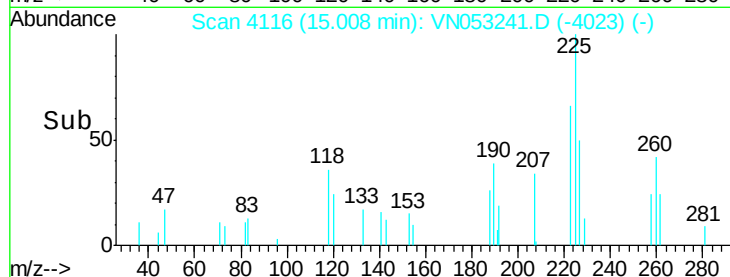
227 64.3 31.9 95.7



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



#95

Naphthalene

Concen: 1.927 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053241.D

Acq: 2 Jan 2019 11:58

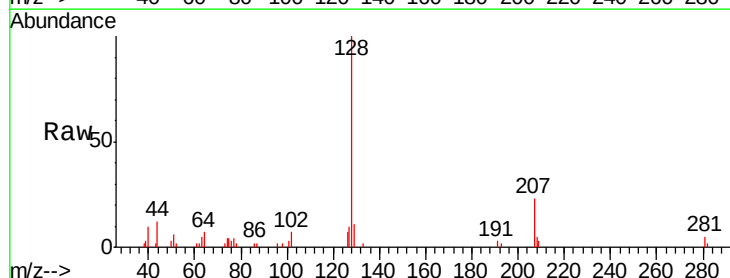
Tgt Ion: 128 Resp: 18421

Ion Ratio Lower Upper

128 100

127 11.2 10.2 15.4

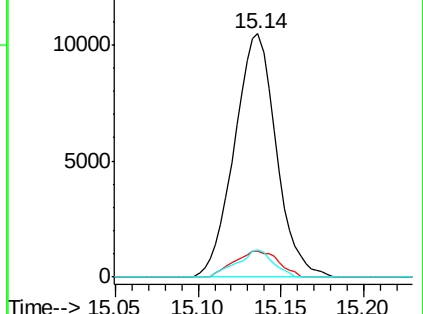
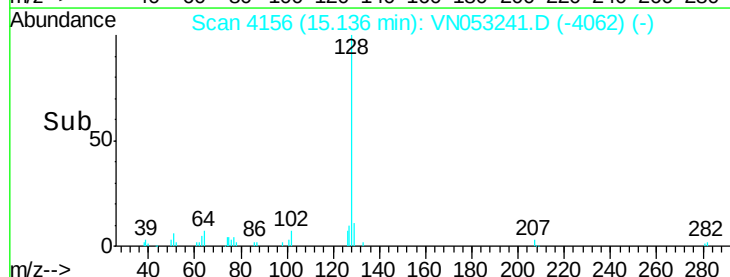
129 9.5 8.6 13.0

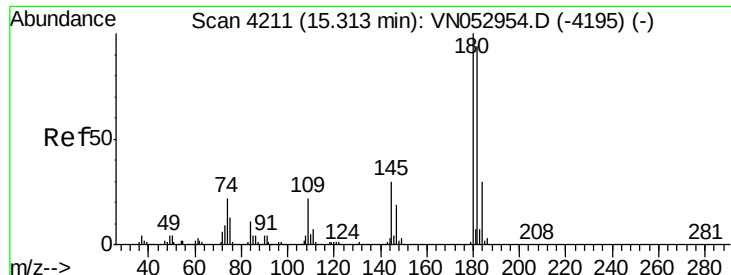


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

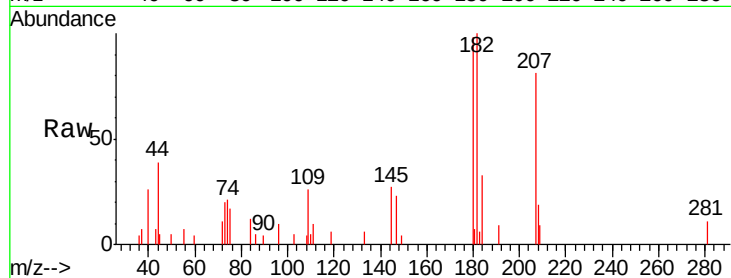




#96
 1,2,3-Trichlorobenzene
 Concen: 1.188 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053241.D
 Acq: 2 Jan 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 MW05_122818

Tgt Ion:180 Resp: 6514
 Ion Ratio Lower Upper
 180 100
 182 99.0 47.9 143.7
 145 30.7 15.0 45.0



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

