

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059219.D
 Acq On : 14 Nov 2019 9:50
 Operator : JC/SP
 Sample : VN1114MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 06:25:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	450727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	700764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	602760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	202647	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	284386	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	7.57	113	222515	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	10.08	98	844971	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.40	95	253520	42.66	ug/l	0.00
Spiked Amount			Recovery	=	85.32%	

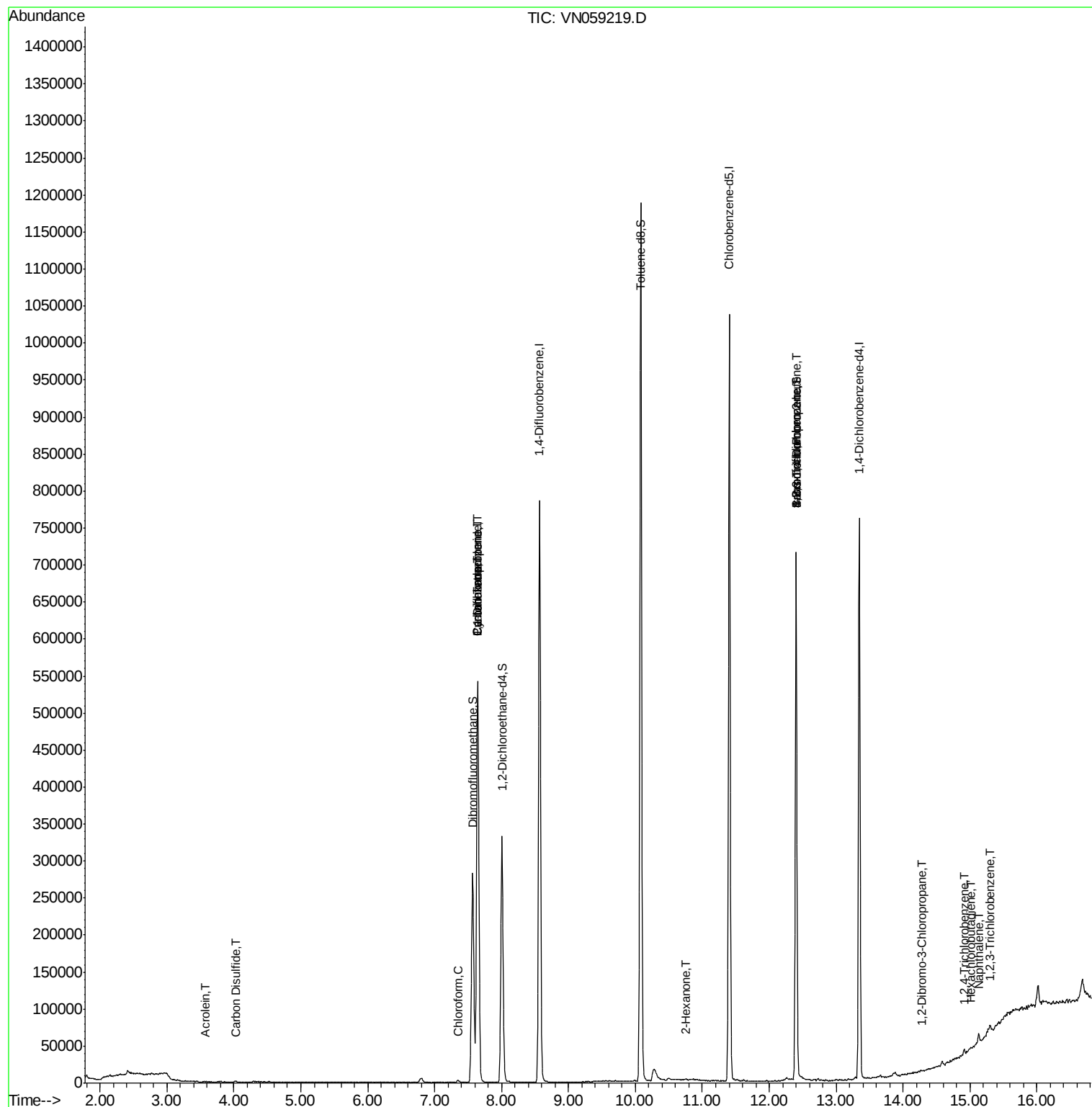
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	171	0.314	ug/l #	73
17) Carbon Disulfide	4.03	76	2889	0.221	ug/l #	75
30) Chloroform	7.36	83	3457	0.396	ug/l	98
31) Cyclohexane	7.64	56	9140	1.060	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	34122	5.209	ug/l #	50
38) Carbon Tetrachloride	7.64	117	41928	6.431	ug/l #	17
59) 2-Hexanone	10.75	43	1589	0.315	ug/l	72
71) Bromoform	12.41	173	1604	0.468	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	127764	27.693	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	127764	73.145	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.27	75	716	0.741	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	2192	3.590	ug/l	93
94) Hexachlorobutadiene	15.01	225	484	0.225	ug/l #	52
95) Naphthalene	15.13	128	9215	3.869	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.30	180	3583	1.025	ug/l	86

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

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 15 06:25:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

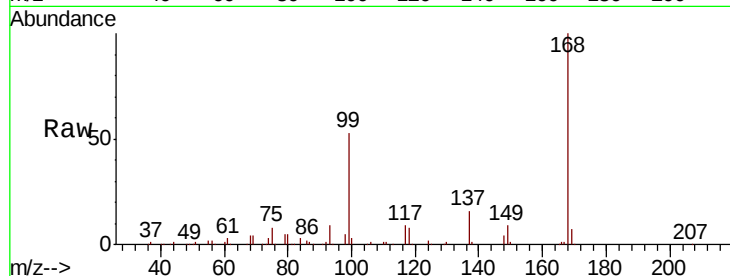
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 450727

Ion Ratio Lower Upper

168 100

99 53.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

200000

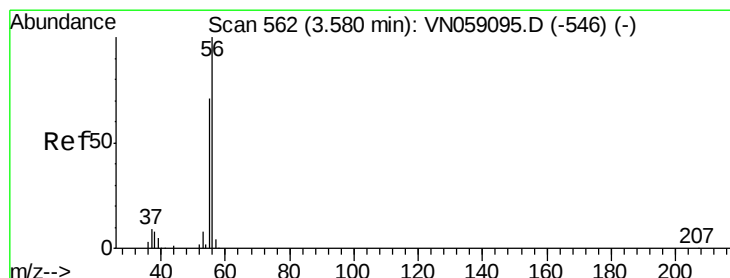
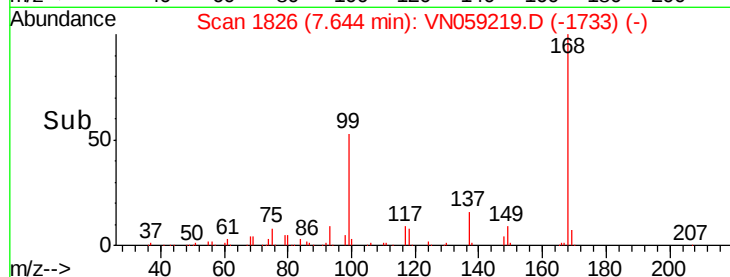
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.314 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059219.D

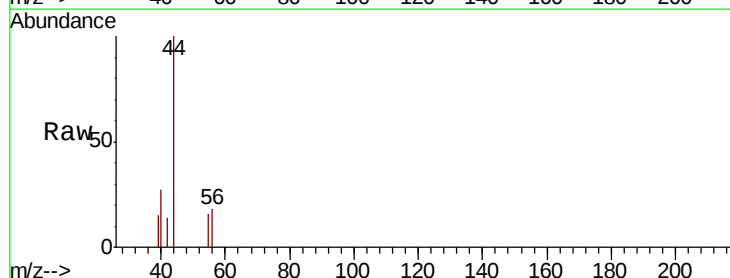
Acq: 14 Nov 2019 9:50

Tgt Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 92.4 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

200

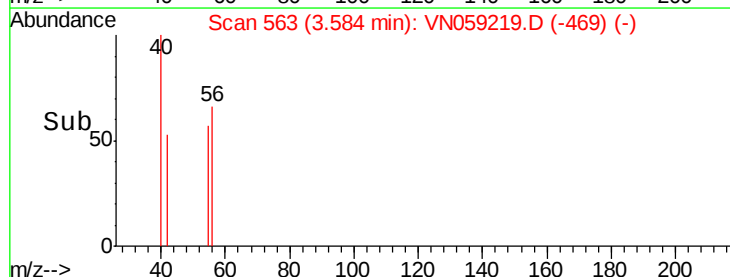
150

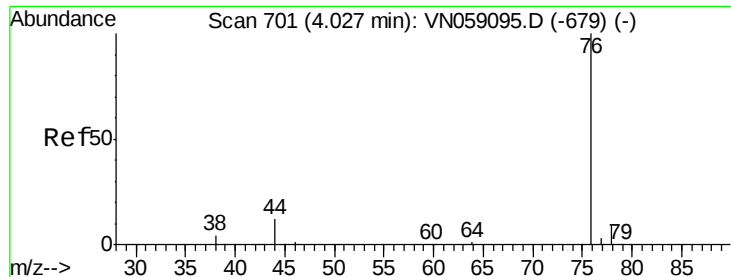
100

50

0

Time-->

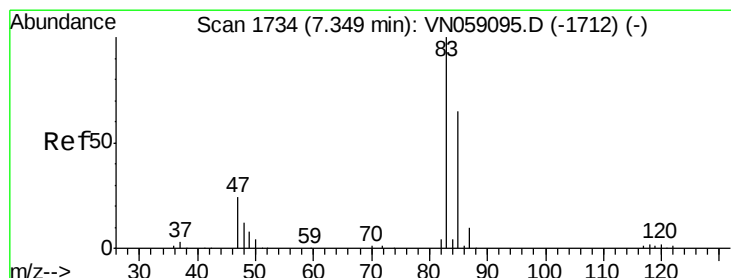
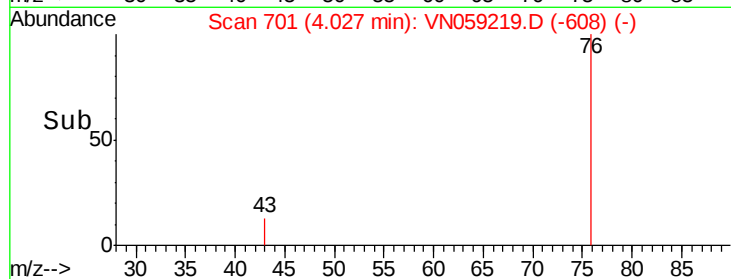
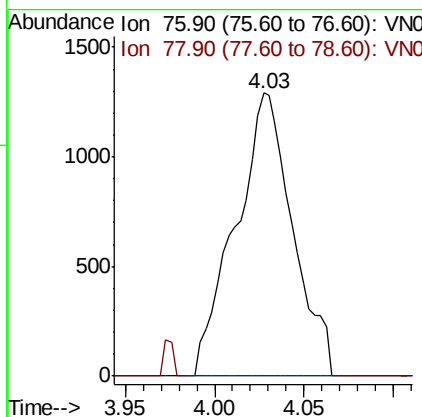
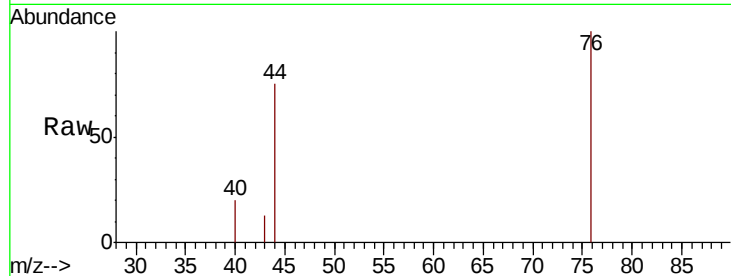




#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059219.D
Acq: 14 Nov 2019 9:50

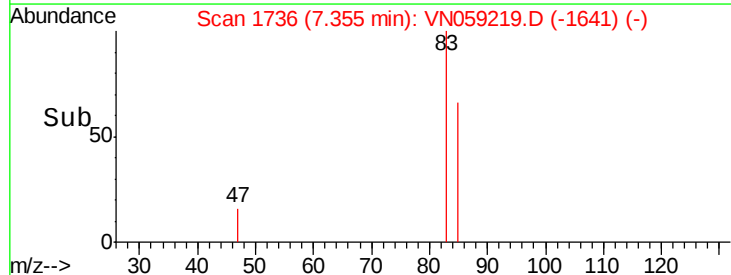
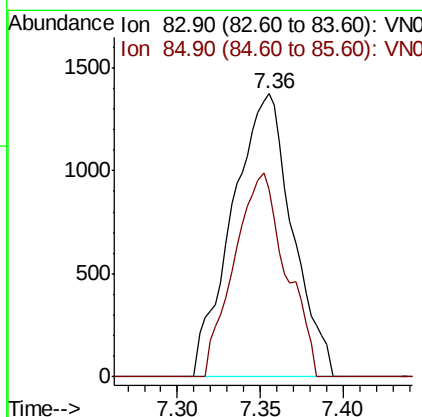
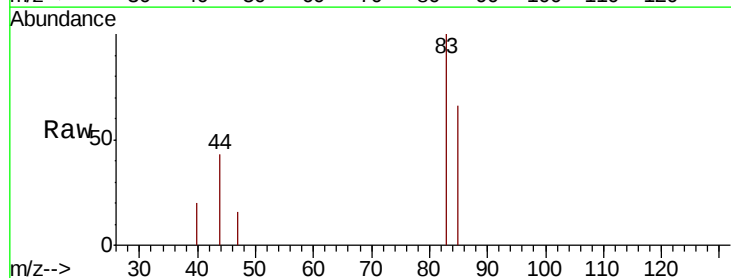
Instrument :
MSVOA_N
ClientSampleId :

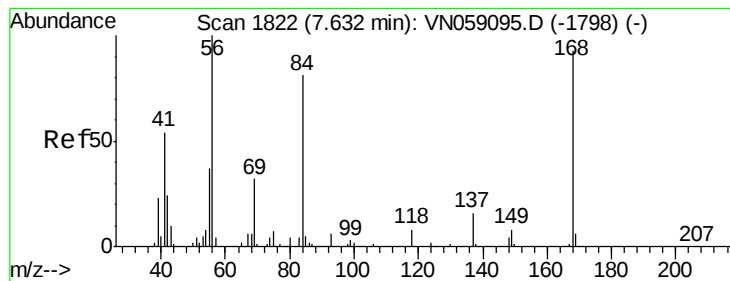
Tot Ion: 76 Resp: 2889
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#30
Chloroform
Concen: 0.396 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.01 min
Lab File: VN059219.D
Acq: 14 Nov 2019 9:50

Tgt Ion: 83 Resp: 3457
Ion Ratio Lower Upper
83 100
85 66.1 51.8 77.8





#31

Cyclohexane

Concen: 1.060 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

Instrument :
MSVOA_N
ClientSampled :

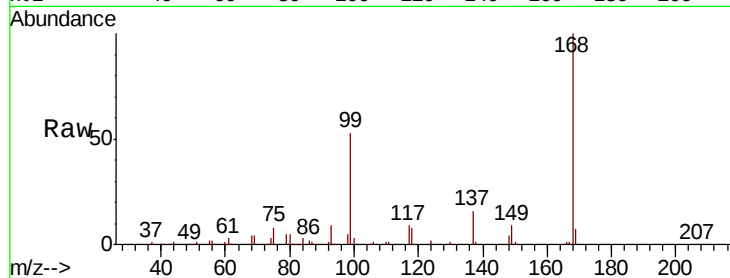
Tot Ion: 56 Resp: 9140

Ion Ratio Lower Upper

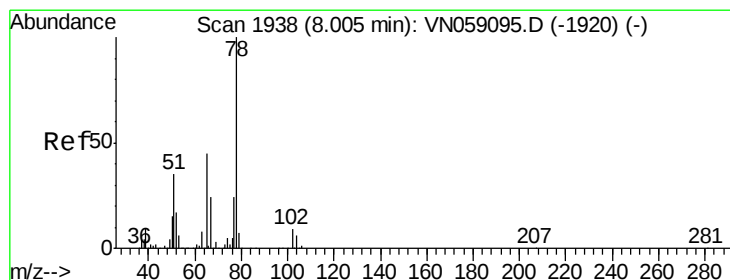
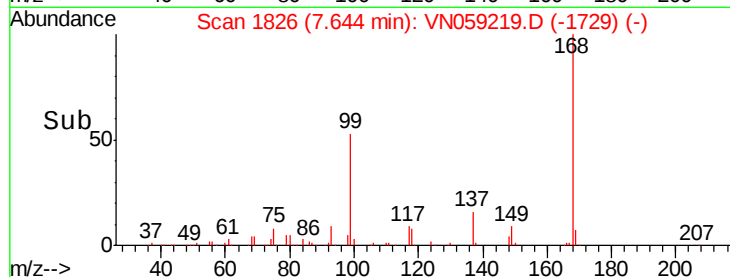
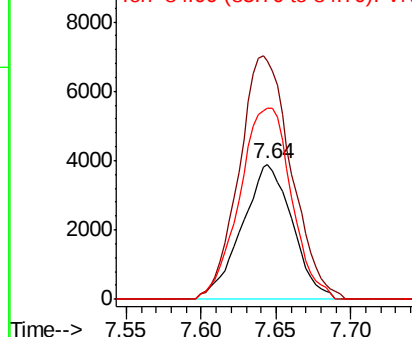
56 100

69 176.1 25.8 38.8#

84 141.0 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 51.328 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059219.D

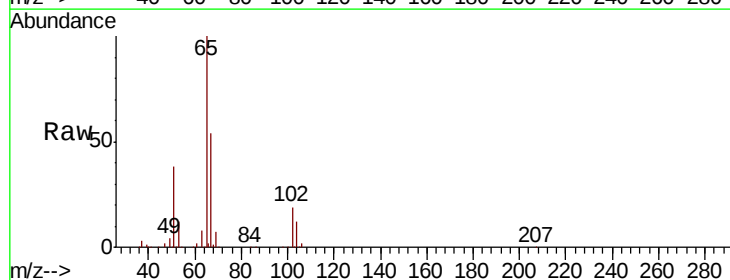
Acq: 14 Nov 2019 9:50

Tgt Ion: 65 Resp: 284386

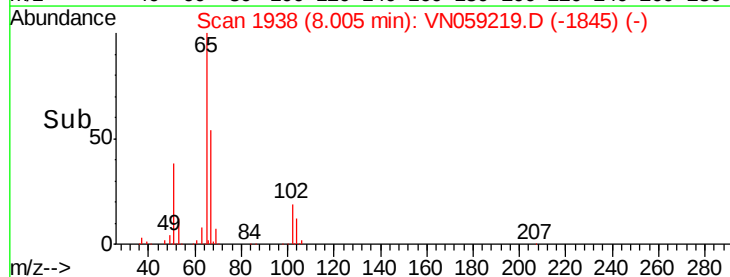
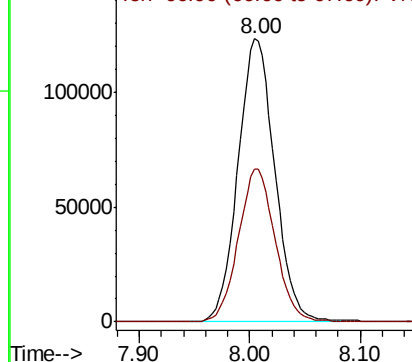
Ion Ratio Lower Upper

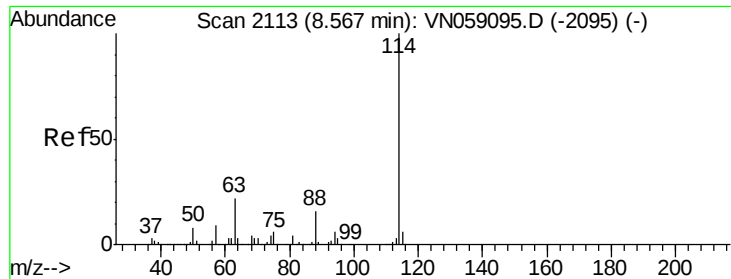
65 100

67 54.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

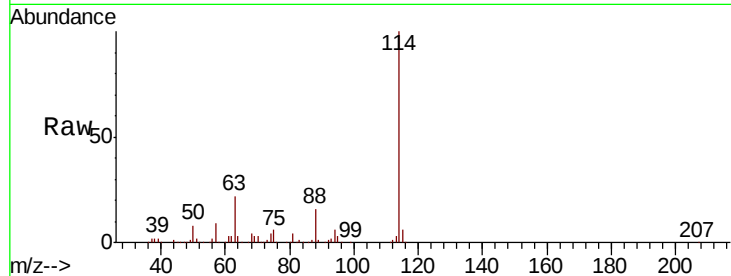




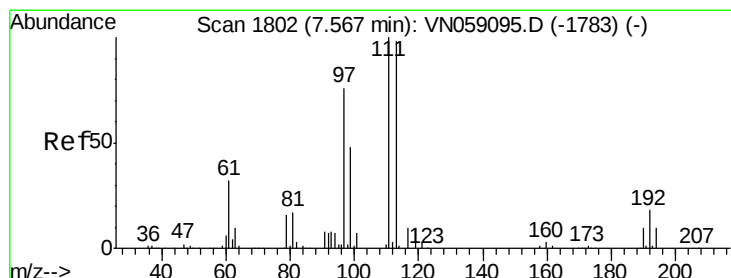
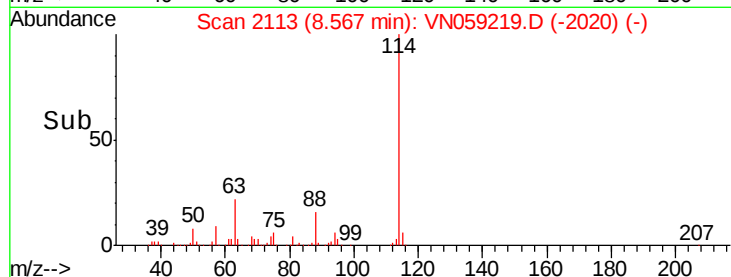
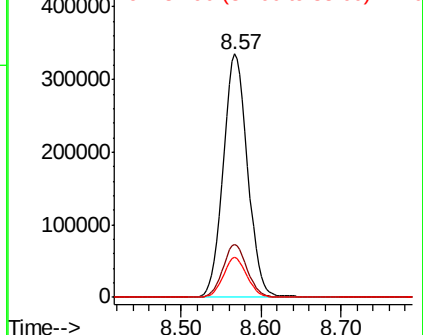
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059219.D
 Acq: 14 Nov 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	16.3	0.0	32.2

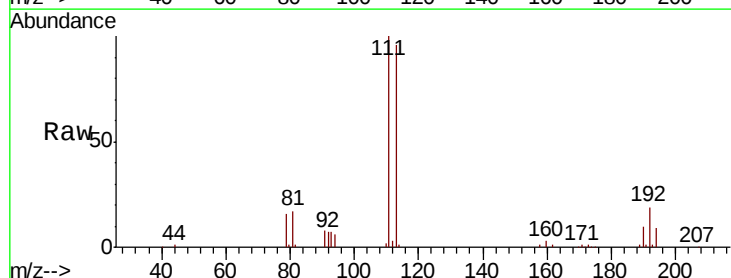


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

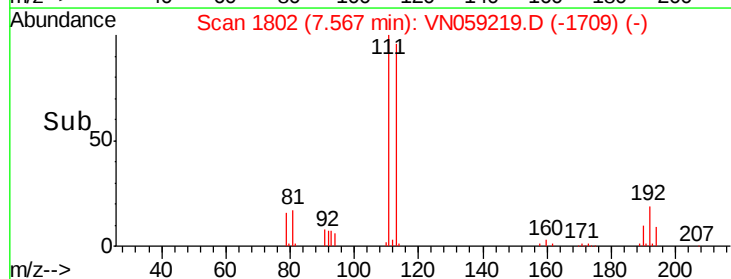
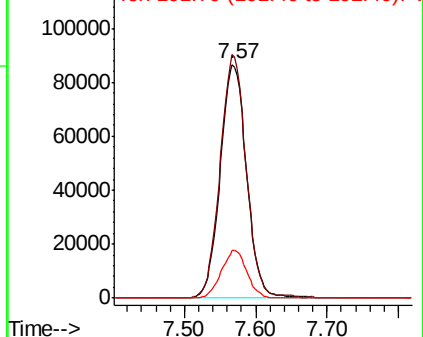


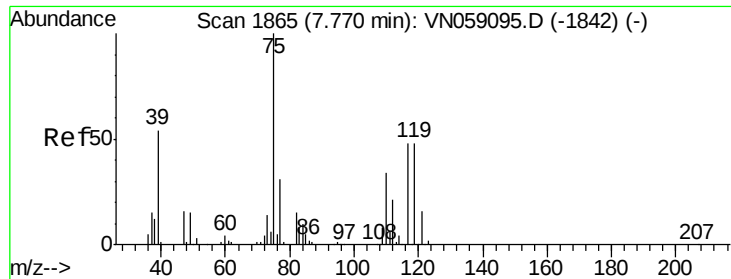
#35
 Dibromofluoromethane
 Concen: 53.179 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059219.D
 Acq: 14 Nov 2019 9:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.8	124.2
192	19.8	16.1	24.1



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

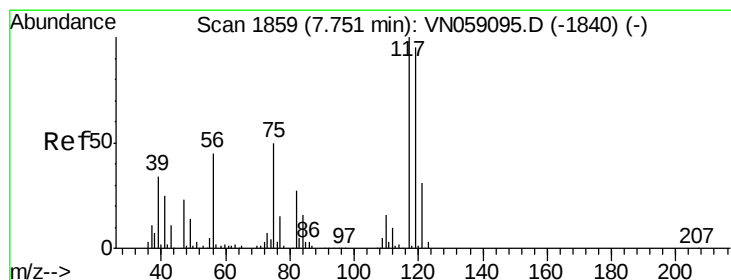
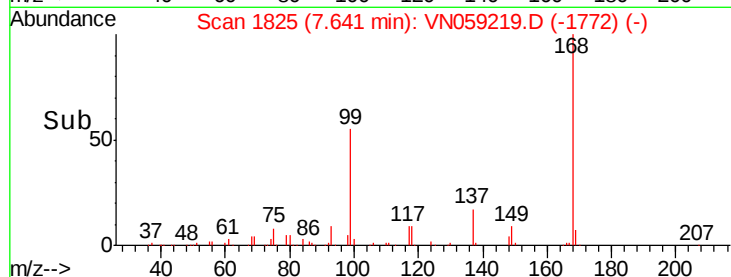
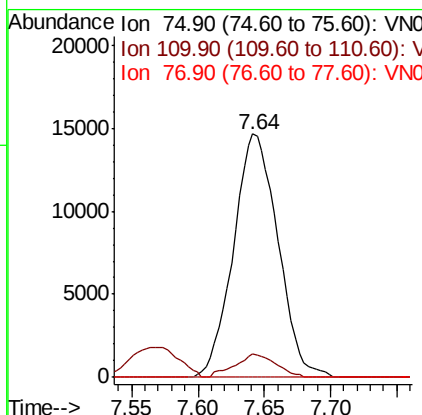
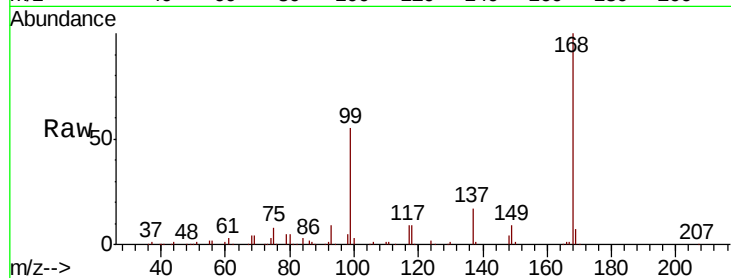




#36
 1,1-Dichloropropene
 Concen: 5.209 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059219.D
 Acq: 14 Nov 2019 9:50

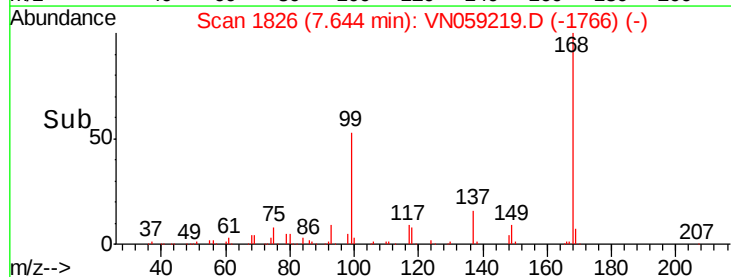
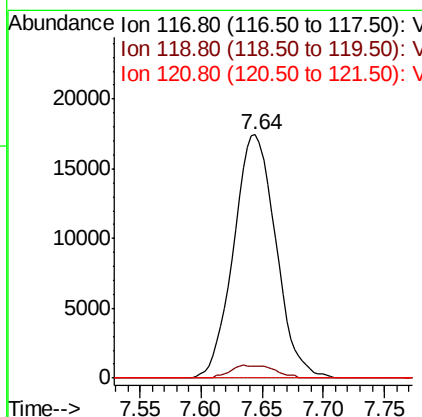
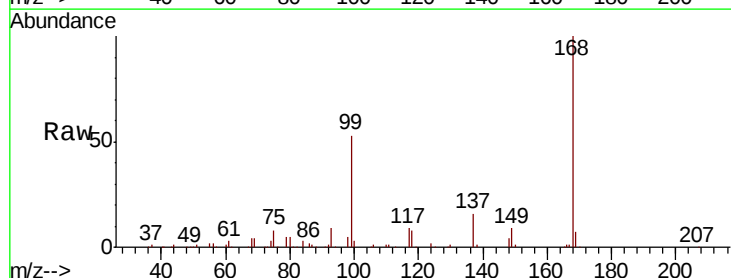
Instrument :
 MSVOA_N
 ClientSampleId :

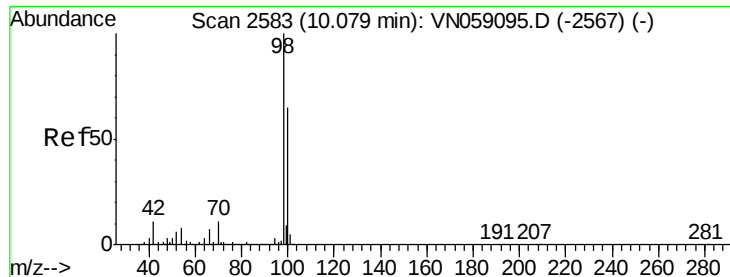
Tot Ion	75	Resp	34122
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.431 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059219.D
 Acq: 14 Nov 2019 9:50

Tgt Ion	117	Resp	41928
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.1	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 51.268 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

Instrument :

MSVOA_N

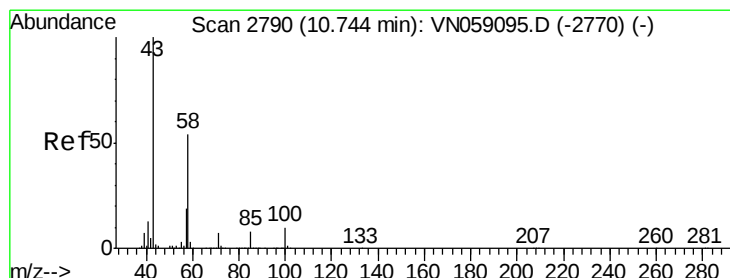
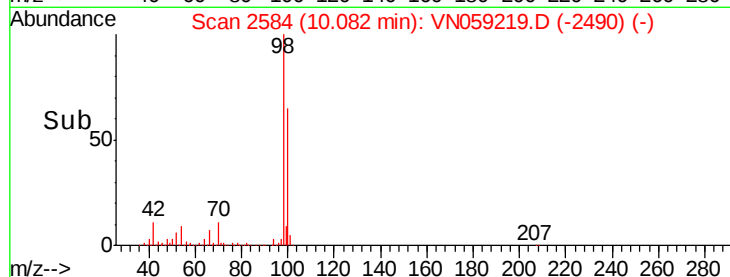
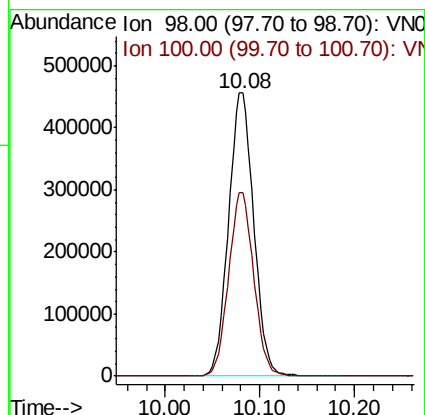
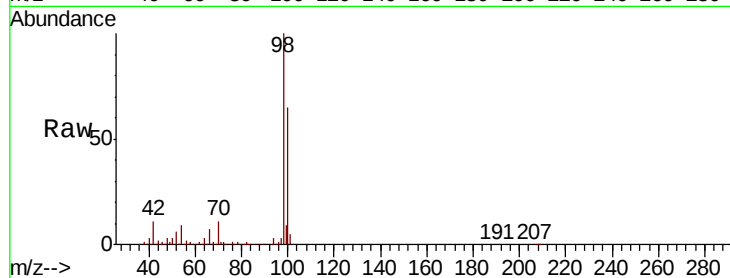
ClientSampled :

Tot Ion: 98 Resp: 844971

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2



#59

2-Hexanone

Concen: 0.315 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN059219.D

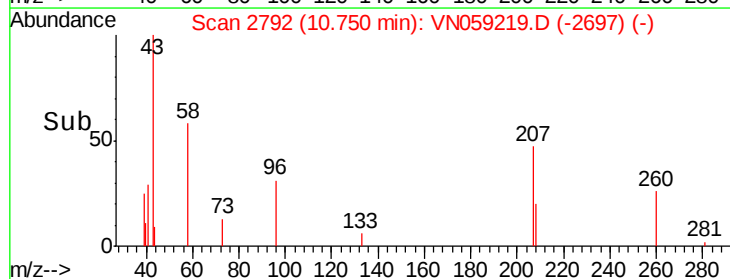
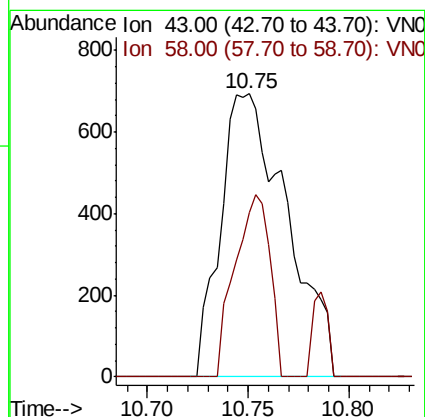
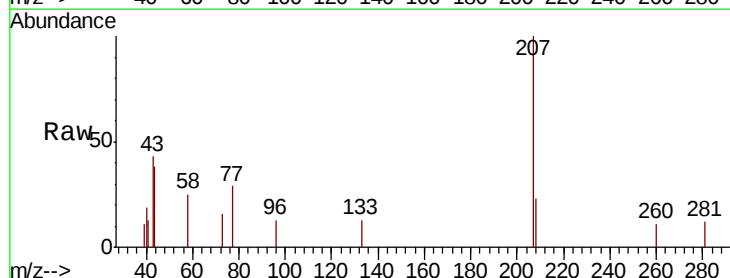
Acq: 14 Nov 2019 9:50

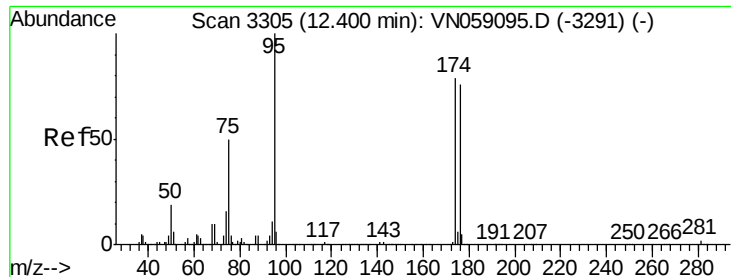
Tgt Ion: 43 Resp: 1589

Ion Ratio Lower Upper

43 100

58 34.3 27.3 81.8





#62

4-Bromofluorobenzene

Concen: 42.662 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

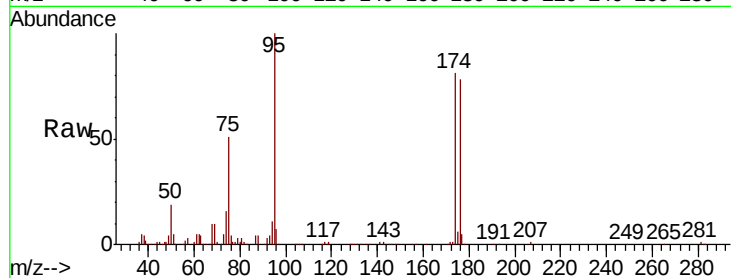
Tot Ion: 95 Resp: 253520

Ion Ratio Lower Upper

95 100

174 80.1 0.0 158.2

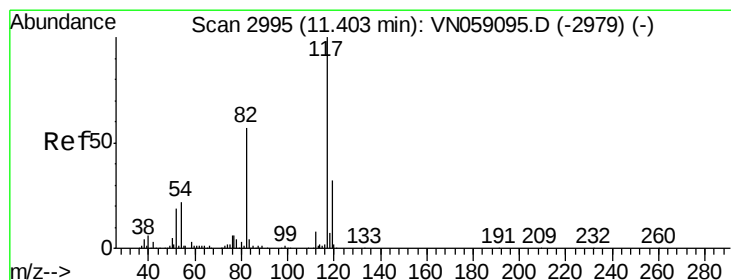
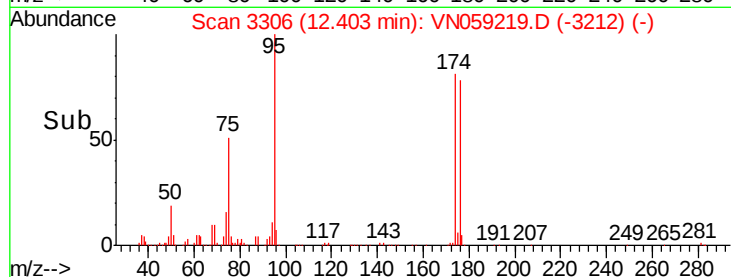
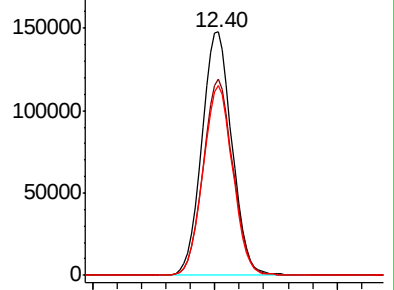
176 76.9 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059095.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059095.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059095.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

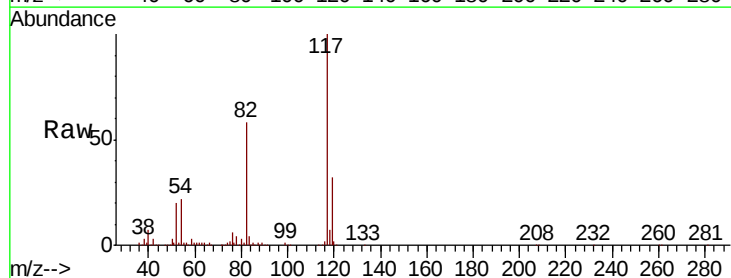
Tgt Ion: 117 Resp: 602760

Ion Ratio Lower Upper

117 100

82 57.5 45.8 68.8

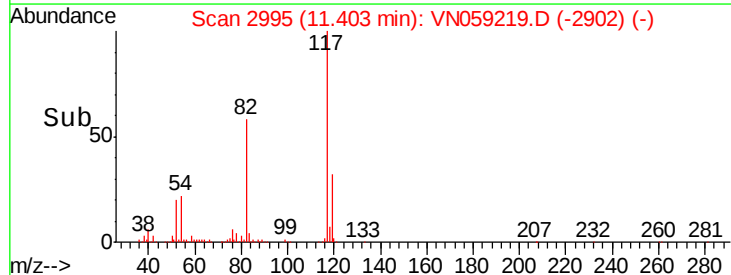
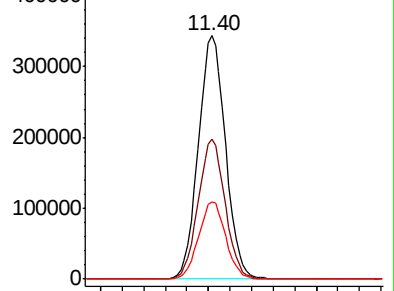
119 32.0 25.8 38.6

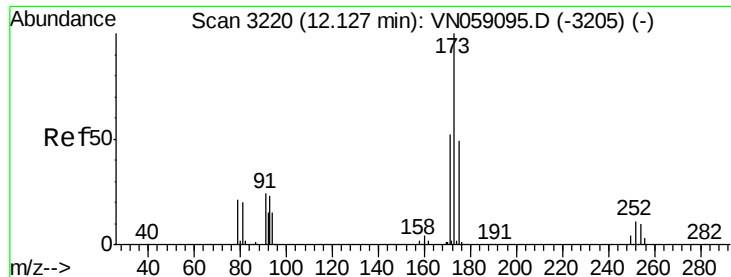


Abundance Ion 116.90 (116.60 to 117.60): VN059095.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059095.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059095.D (-2979) (-)





#71

Bromoform

Concen: 0.468 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

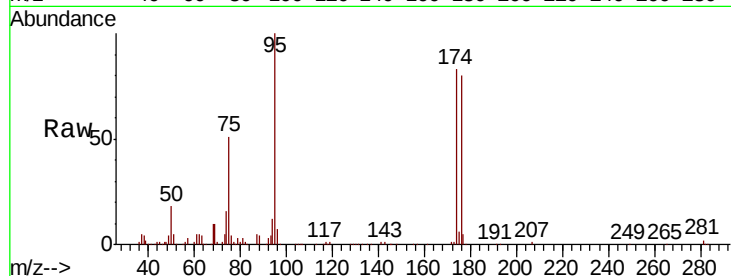
Tot Ion:173 Resp: 1604

Ion Ratio Lower Upper

173 100

175 761.9 24.2 72.6#

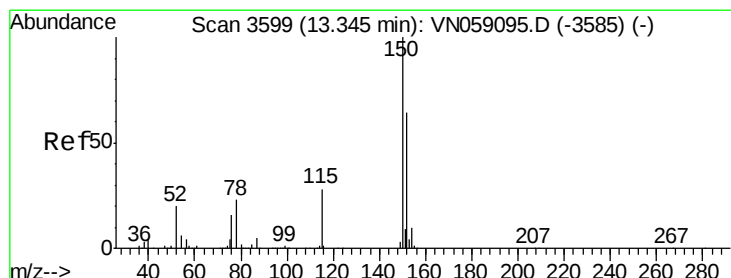
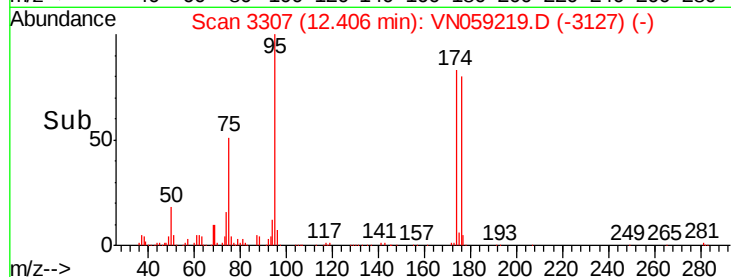
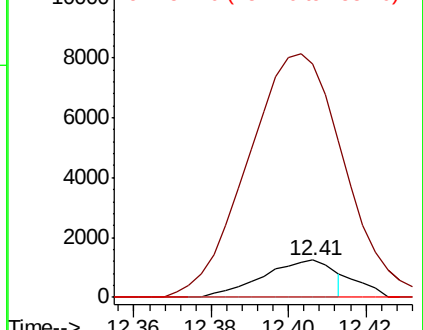
254 0.0 0.1 0.1#



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: VN059219.D

Acq: 14 Nov 2019 9:50

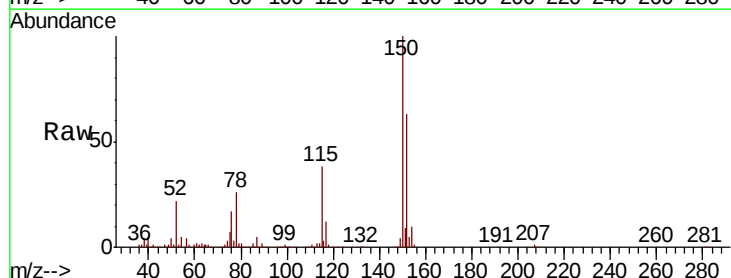
Tgt Ion:152 Resp: 202647

Ion Ratio Lower Upper

152 100

115 60.5 29.4 88.2

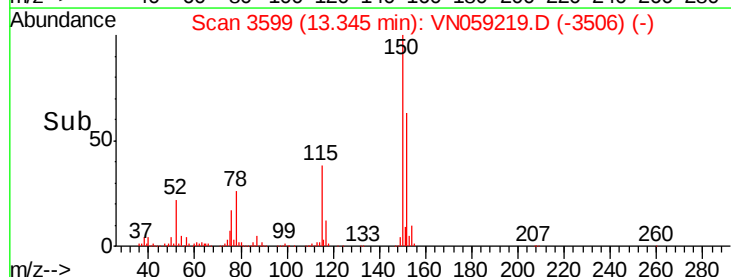
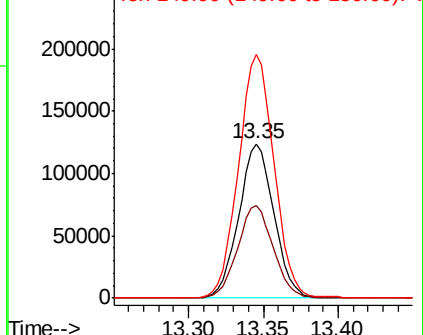
150 159.8 0.0 345.8

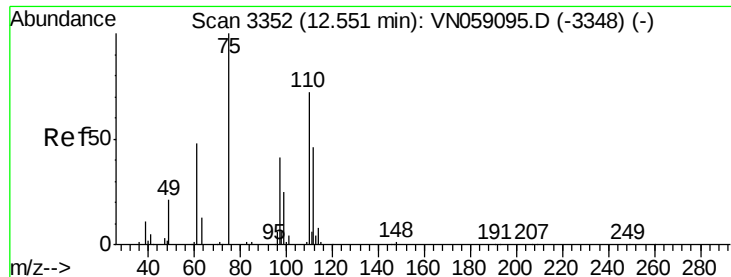


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.693 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

Instrument :

MSVOA_N

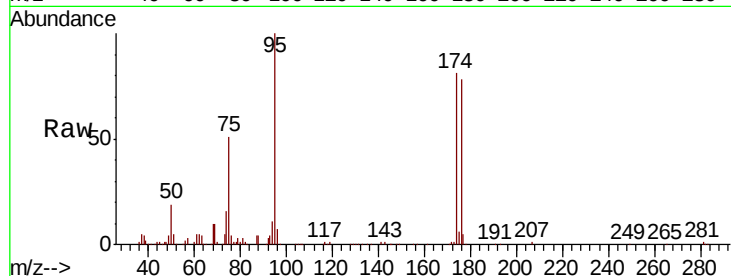
ClientSampleId :

Tot Ion: 75 Resp: 127764

Ion Ratio Lower Upper

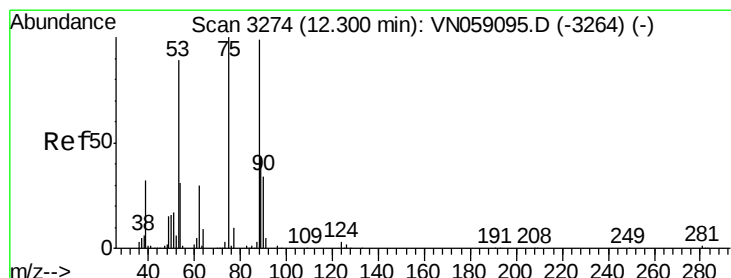
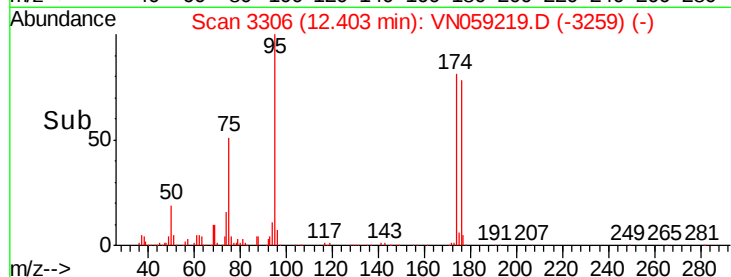
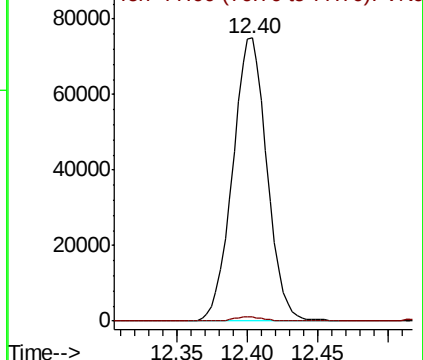
75 100

77 1.4 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: 73.145 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

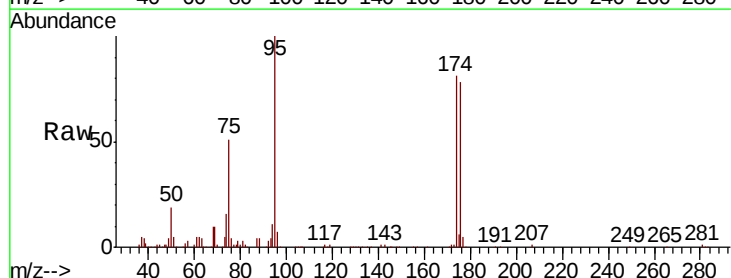
Tgt Ion: 75 Resp: 127764

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

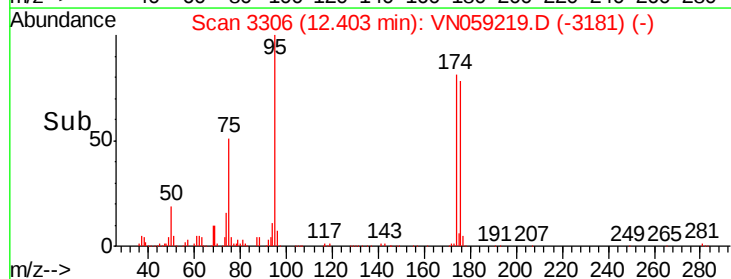
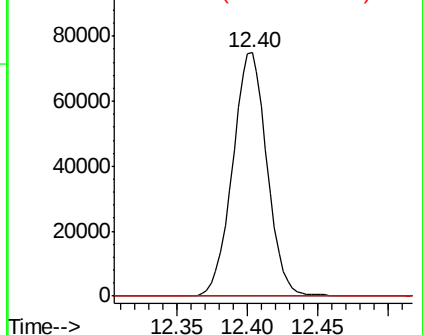
89 0.0 35.8 53.8#

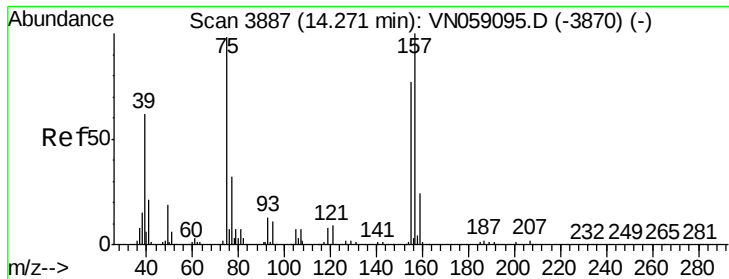


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.741 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

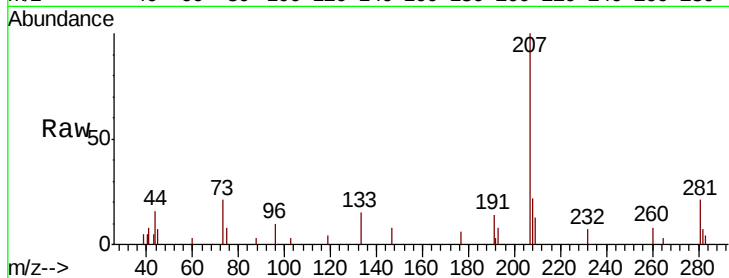
Tot Ion: 75 Resp: 716

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 51.8 155.5#

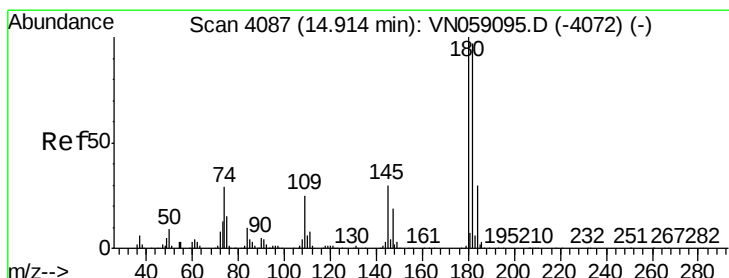
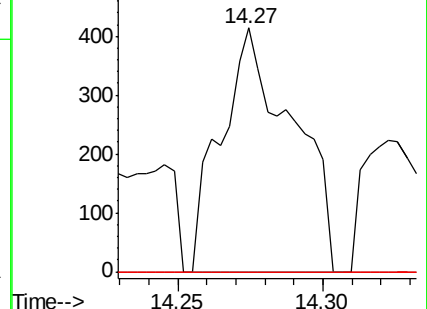
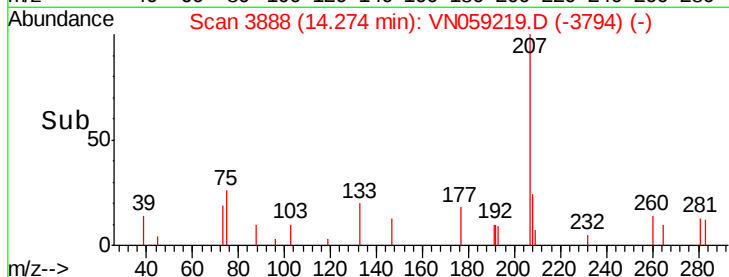


Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059095.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059095.D (-3870) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.590 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

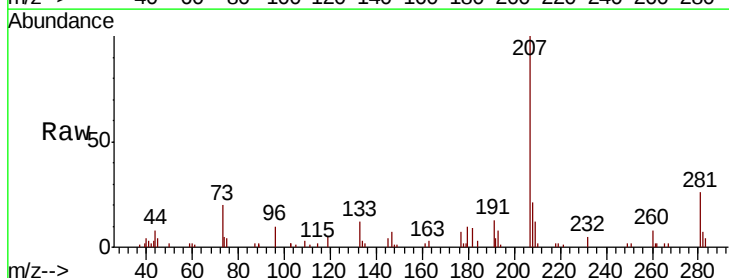
Tgt Ion: 180 Resp: 2192

Ion Ratio Lower Upper

180 100

182 88.0 48.1 144.3

145 30.5 15.1 45.3

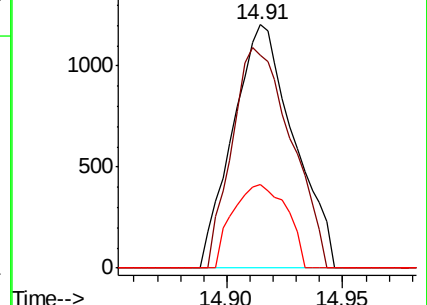
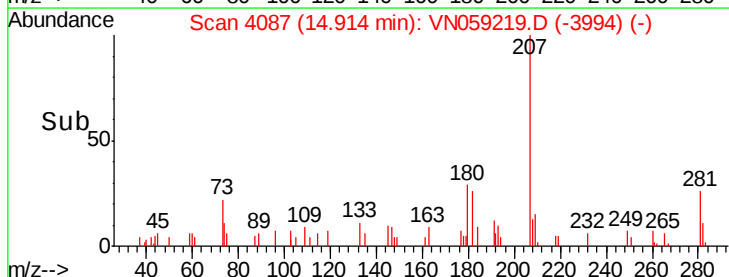


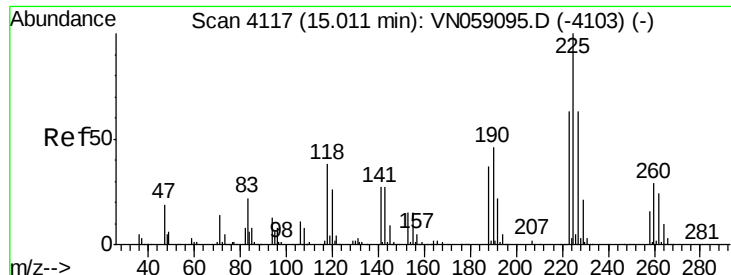
Abundance Ion 179.80 (179.50 to 180.50): VN059095.D (-4072) (-)

Ion 181.80 (181.50 to 182.50): VN059095.D (-4072) (-)

Ion 144.80 (144.50 to 145.50): VN059095.D (-4072) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.225 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

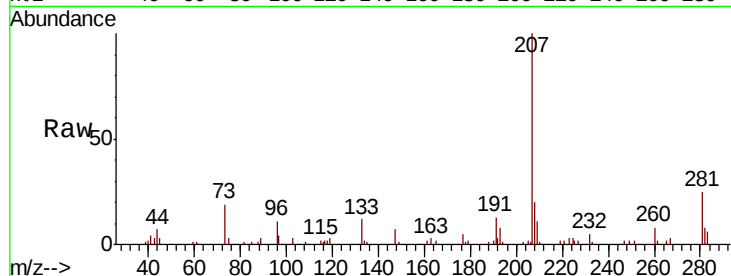
Tot Ion:225 Resp: 484

Ion Ratio Lower Upper

225 100

223 112.0 31.3 93.9#

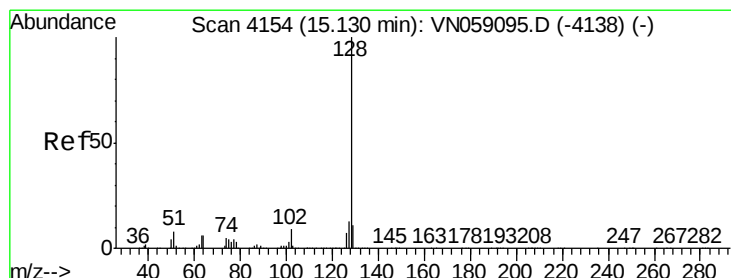
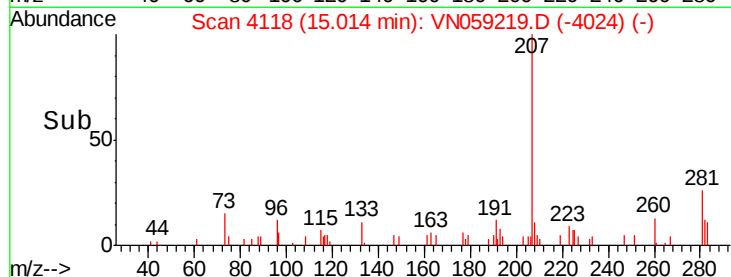
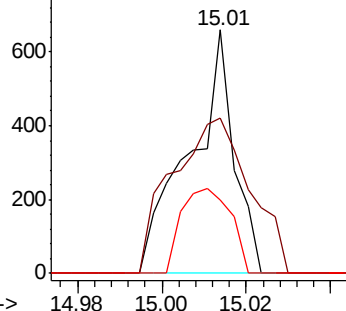
227 38.6 31.5 94.5



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: 3.869 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059219.D

Acq: 14 Nov 2019 9:50

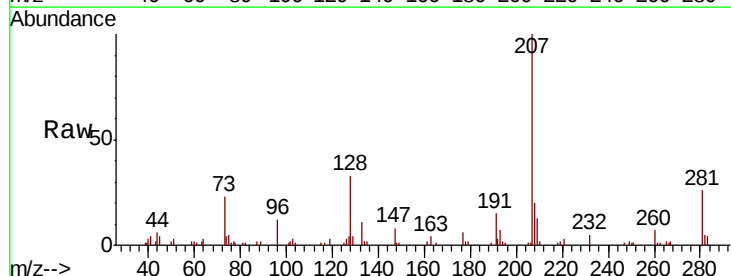
Tgt Ion:128 Resp: 9215

Ion Ratio Lower Upper

128 100

127 5.3 10.2 15.2#

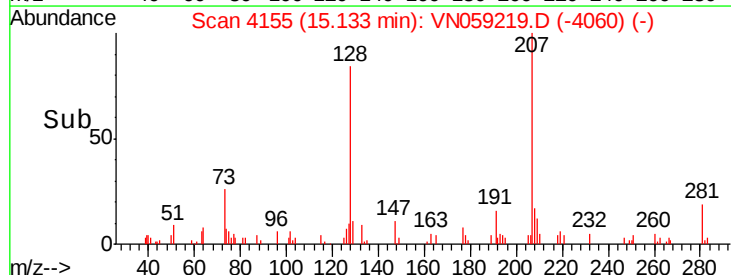
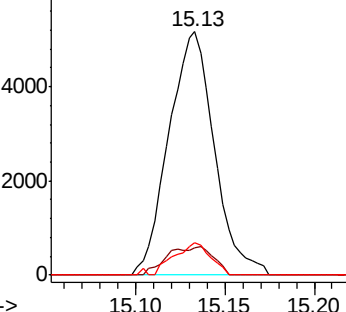
129 10.5 8.6 12.8

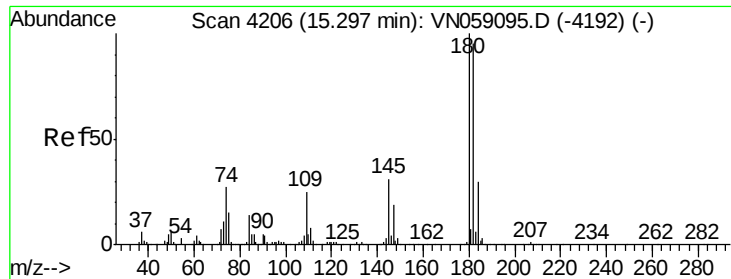


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

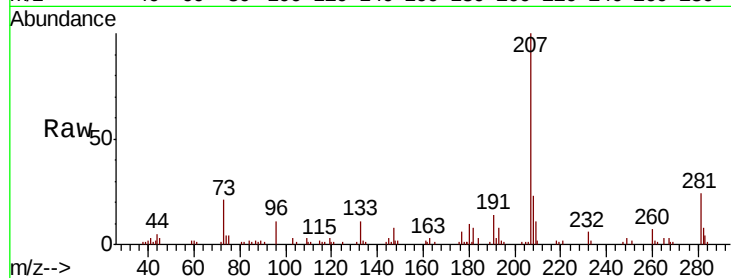




#96
 1,2,3-Trichlorobenzene
 Concen: 1.025 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN059219.D
 Acq: 14 Nov 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.9	47.3	141.8
145	38.4	15.8	47.3



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

