

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059220.D
 Acq On : 14 Nov 2019 10:13
 Operator : JC/SP
 Sample : VN1114WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBL01

Quant Time: Nov 15 06:26:10 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	419103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	647055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	564061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	193576	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	264801	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
35) Dibromofluoromethane	7.57	113	206145	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
50) Toluene-d8	10.08	98	773556	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.40	95	239112	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	

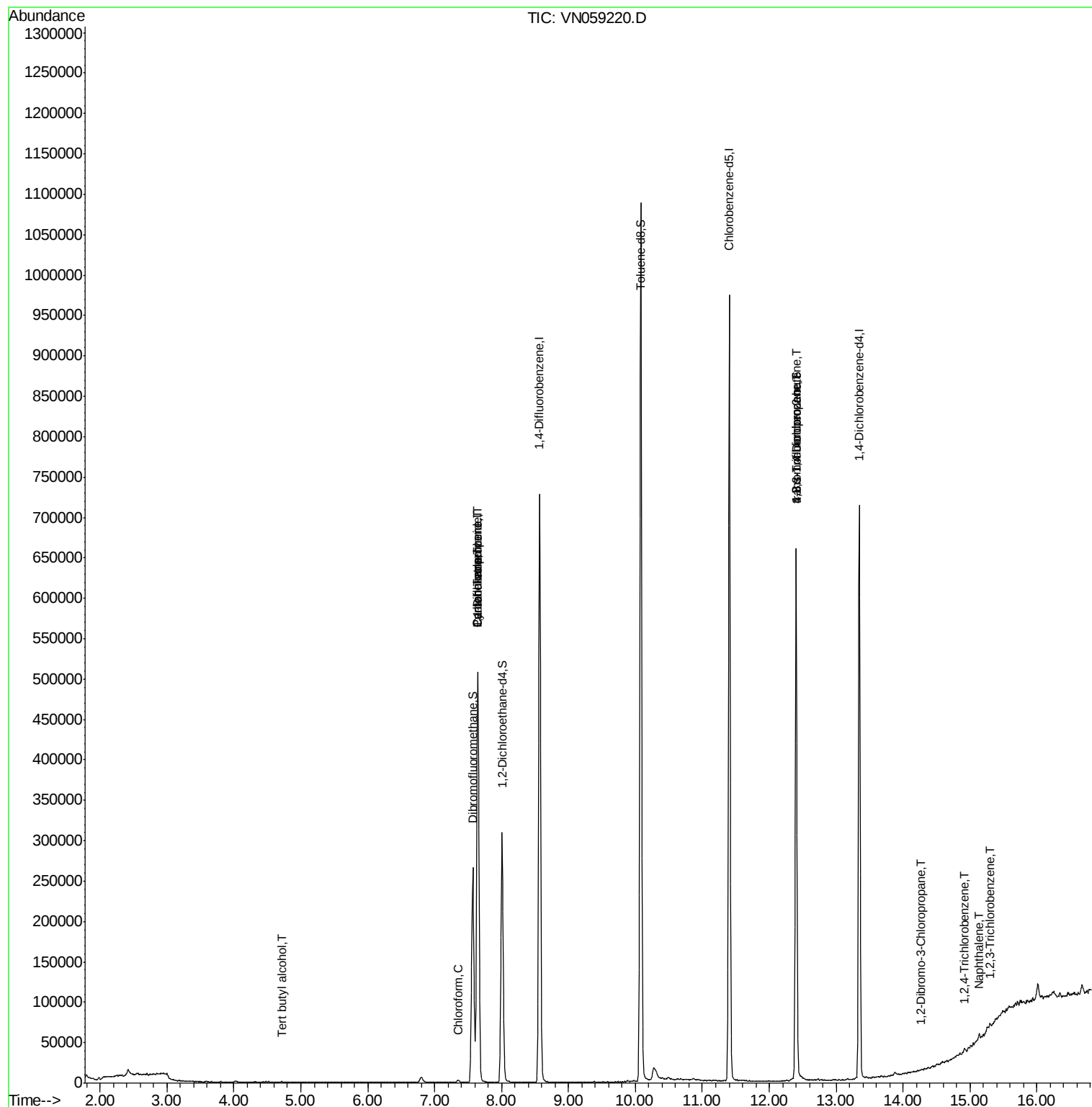
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	374	0.381	ug/l #	72
30) Chloroform	7.35	83	3294	0.405	ug/l	85
31) Cyclohexane	7.64	56	8213	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32031	5.296	ug/l #	50
38) Carbon Tetrachloride	7.64	117	39655	6.587	ug/l #	16
76) 1,2,3-Trichloropropane	12.40	75	119206	27.049	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	119206	71.443	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	207	0.243	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	881	3.275	ug/l	89
95) Naphthalene	15.13	128	3665	3.388	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.30	180	1232	0.369	ug/l	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111419\
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Sample : VN1114WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Quant Time: Nov 15 06:26:10 2019
Quant Method : Z:\V0ASRV\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: VN059220.D

Acq: 14 Nov 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

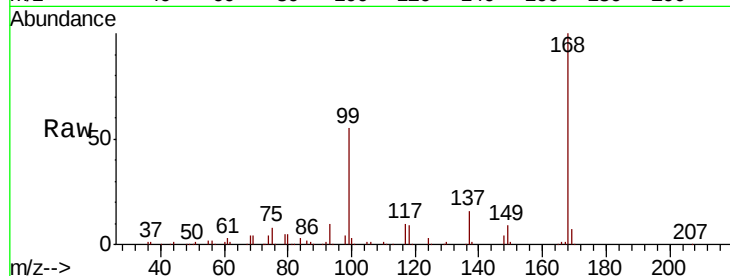
VN1114WBL01

Tot Ion:168 Resp: 419103

Ion Ratio Lower Upper

168 100

99 55.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059220.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059220.D (-1733) (-)

7.64

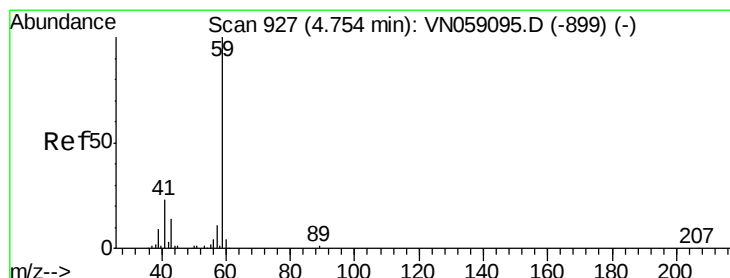
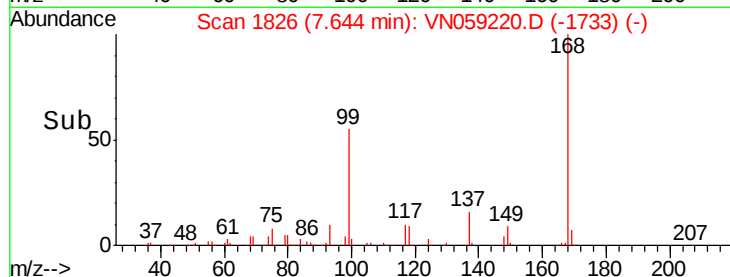
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.381 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.04 min

Lab File: VN059220.D

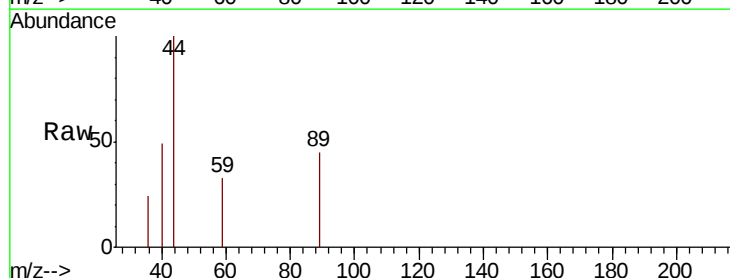
Acq: 14 Nov 2019 10:13

Tgt Ion: 59 Resp: 374

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059220.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN059220.D (-834) (-)

4.72

250

200

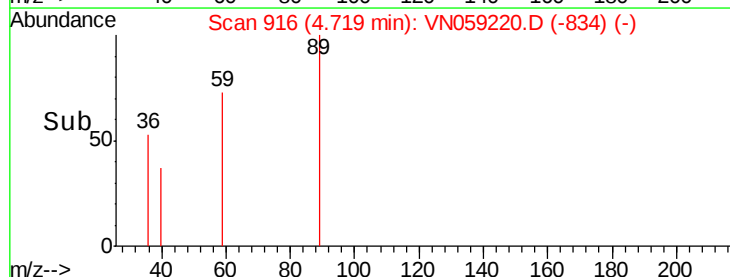
150

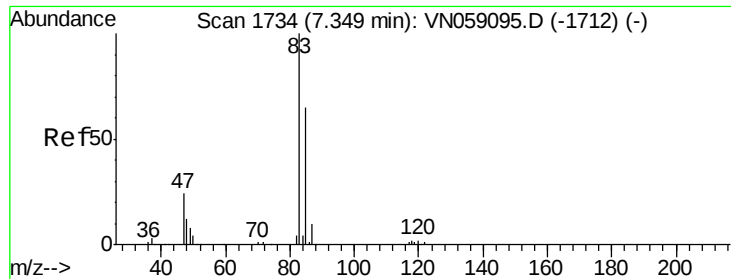
100

50

0

Time--> 4.70 4.72 4.74

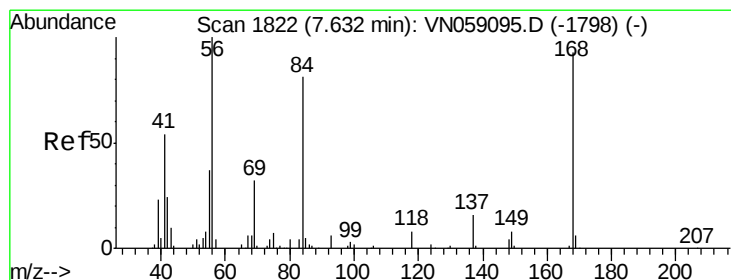
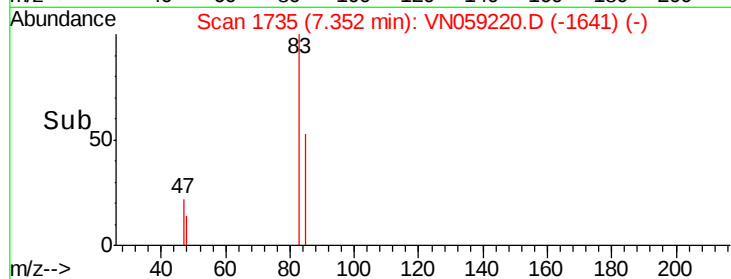
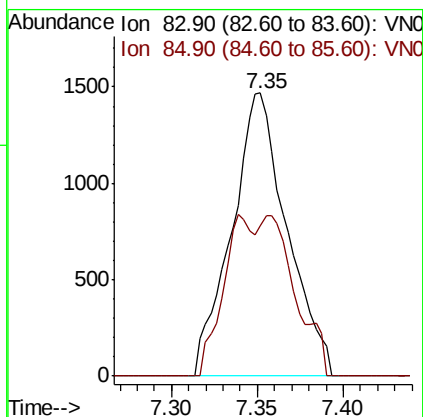
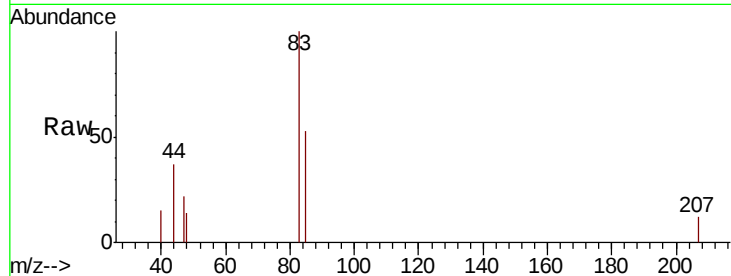




#30
Chloroform
Concen: 0.405 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059220.D
Acq: 14 Nov 2019 10:13

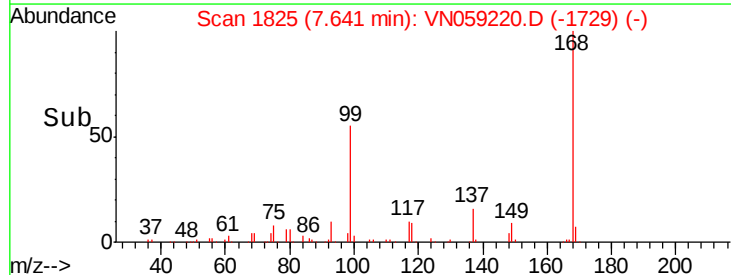
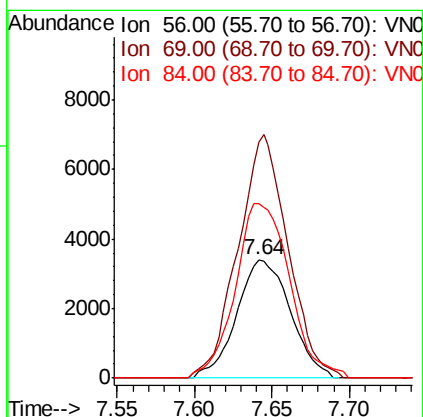
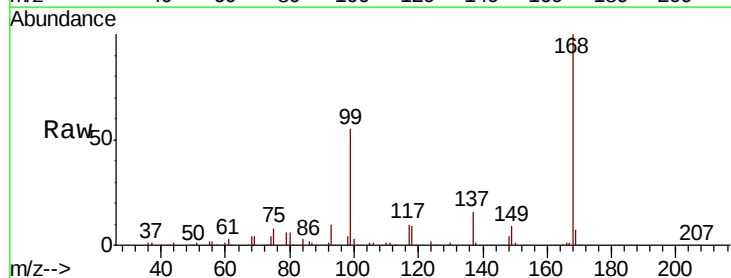
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

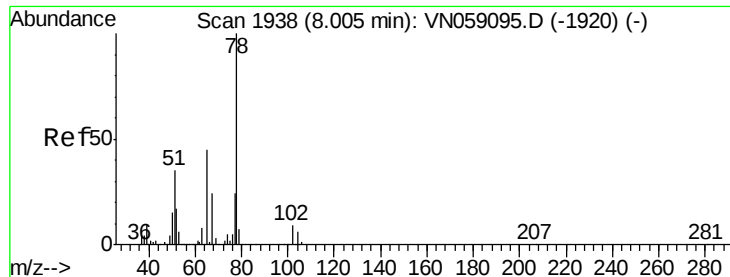
Tot Ion: 83 Resp: 3294
Ion Ratio Lower Upper
83 100
85 53.2 51.8 77.8



#31
Cyclohexane
Concen: 1.024 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059220.D
Acq: 14 Nov 2019 10:13

Tgt Ion: 56 Resp: 8213
Ion Ratio Lower Upper
56 100
69 199.0 25.8 38.8#
84 146.8 65.0 97.4#

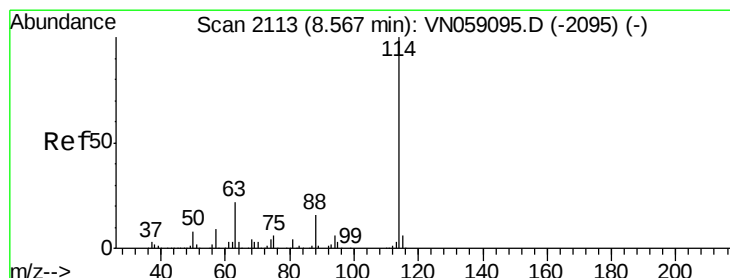
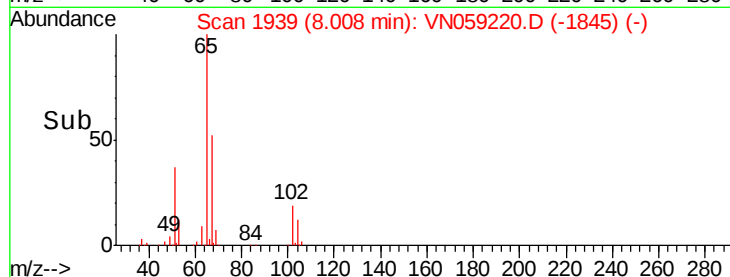
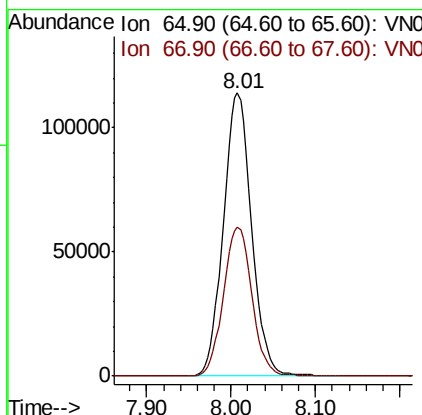
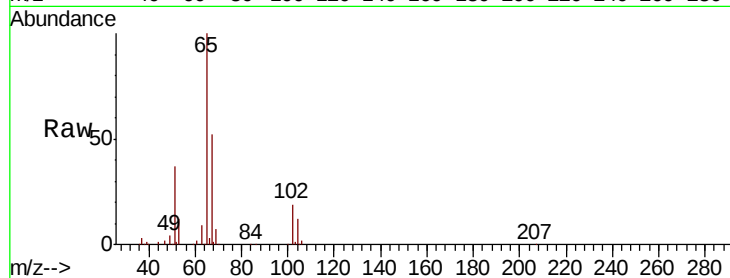




#33
 1,2-Dichloroethane-d4
 Concen: 51.399 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059220.D
 Acq: 14 Nov 2019 10:13

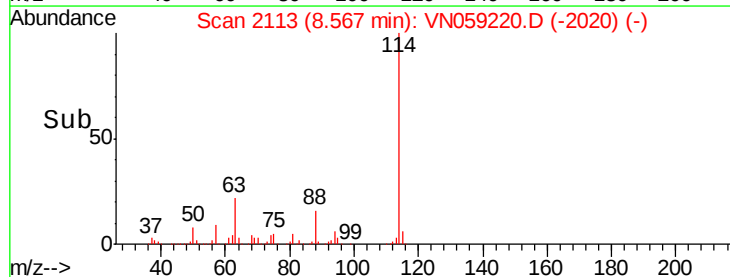
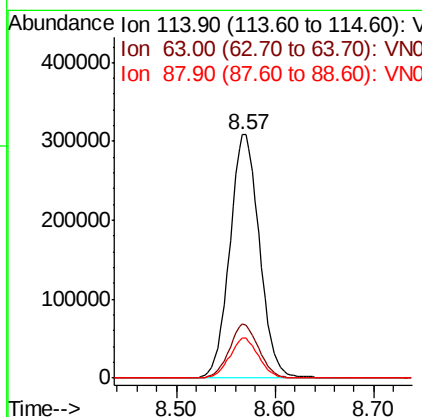
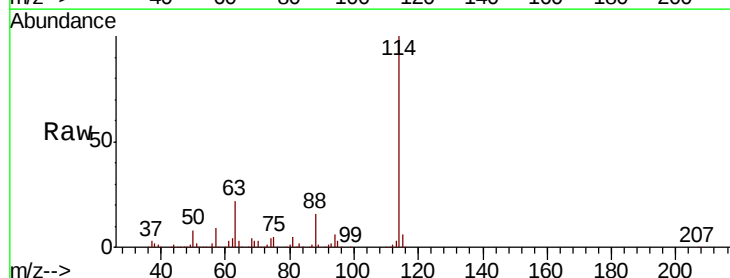
Instrument :
 MSVOA_N
 ClientSampled :
 VN1114WBL01

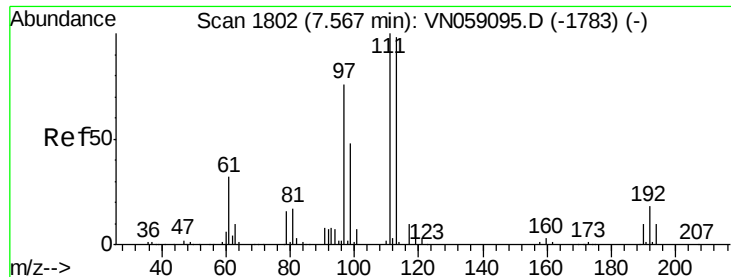
Tot Ion: 65 Resp: 264801
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059220.D
 Acq: 14 Nov 2019 10:13

Tgt Ion: 114 Resp: 647055
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.4
 88 16.3 0.0 32.2

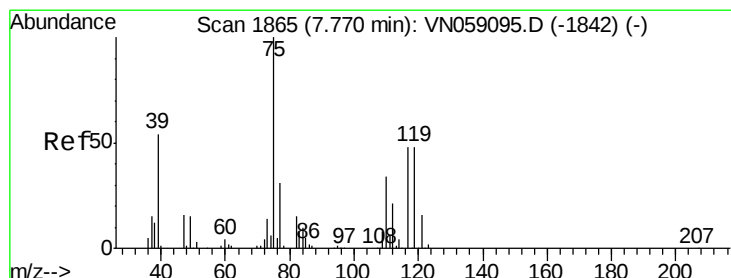
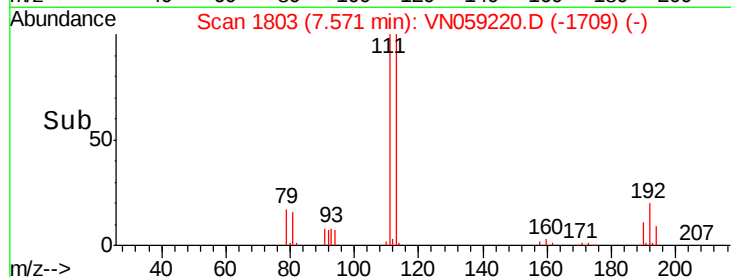
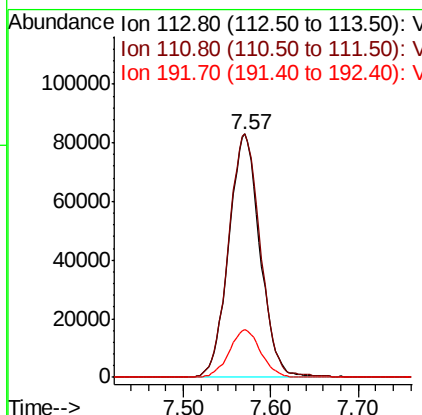
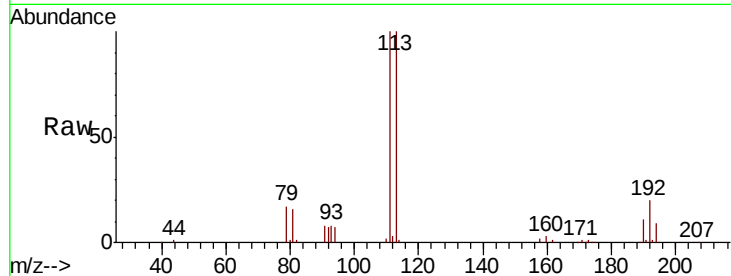




#35
 Dibromofluoromethane
 Concen: 53.356 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059220.D
 Acq: 14 Nov 2019 10:13

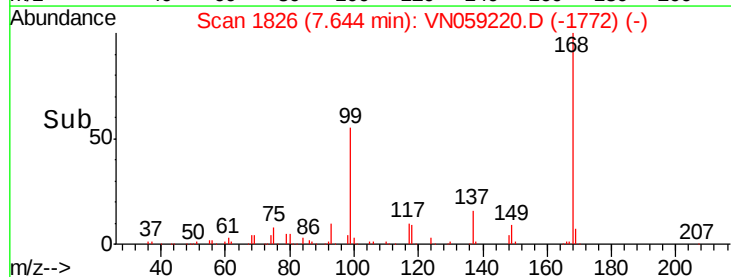
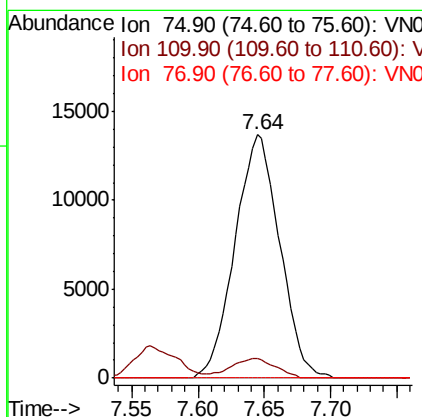
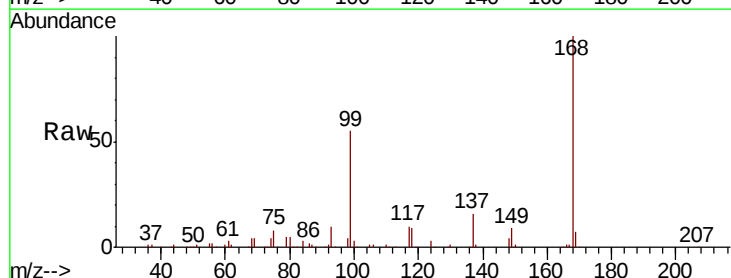
Instrument :
 MSVOA_N
 ClientSampled :
 VN1114WBL01

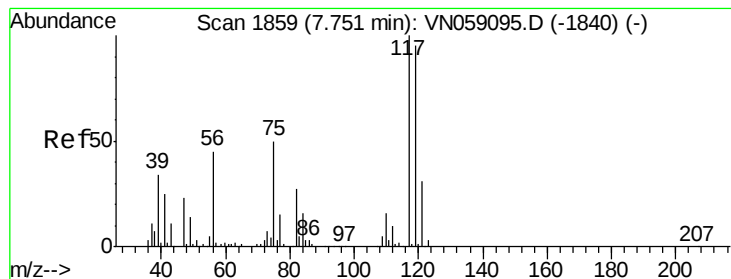
Tot Ion:113 Resp: 206145
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.8 124.2
 192 19.7 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.296 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059220.D
 Acq: 14 Nov 2019 10:13

Tgt Ion: 75 Resp: 32031
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.1 51.2#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.587 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059220.D

Acq: 14 Nov 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBL01

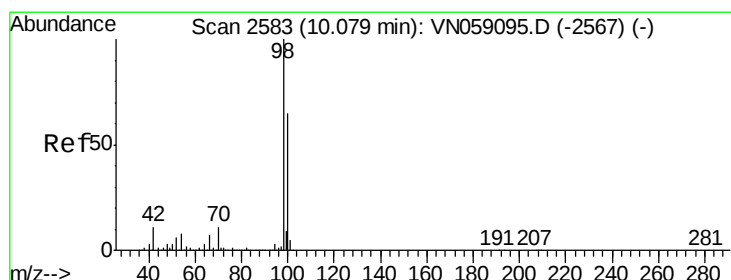
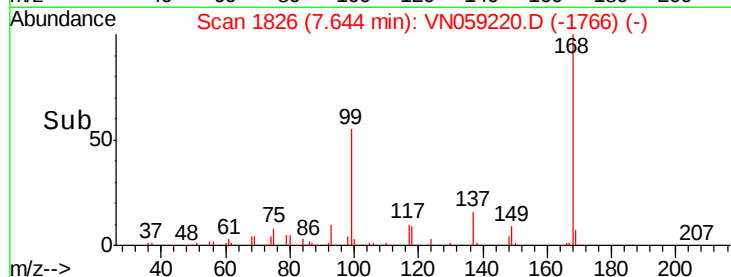
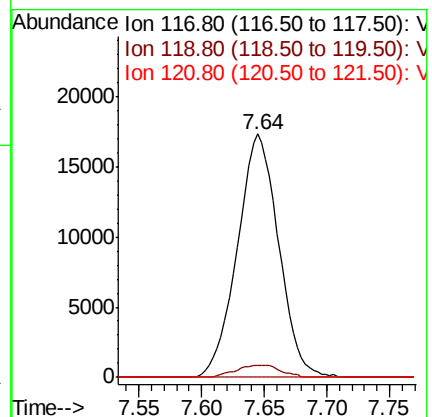
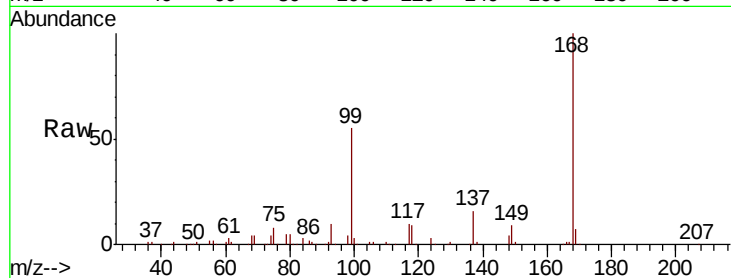
Tot Ion:117 Resp: 39655

Ion Ratio Lower Upper

117 100

119 5.0 75.6 113.4#

121 0.0 24.6 36.8#



#50

Toluene-d8

Concen: 50.831 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059220.D

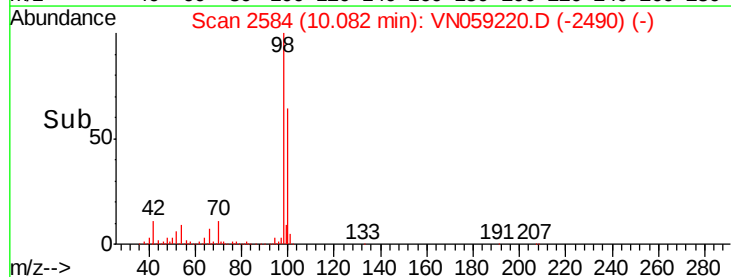
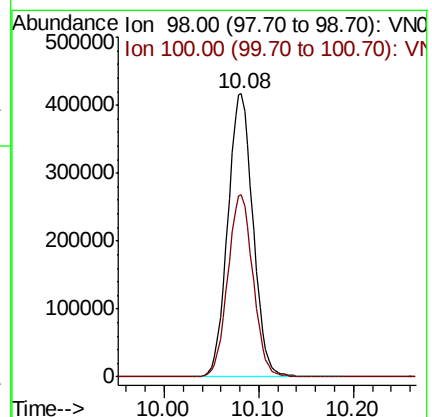
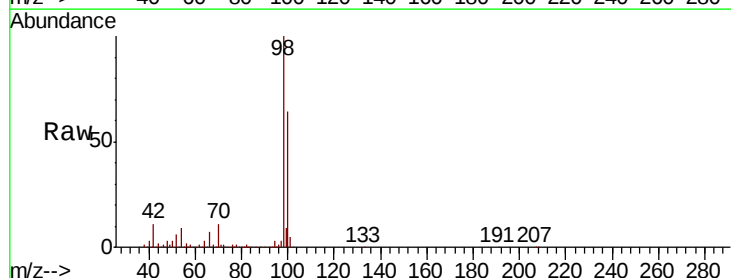
Acq: 14 Nov 2019 10:13

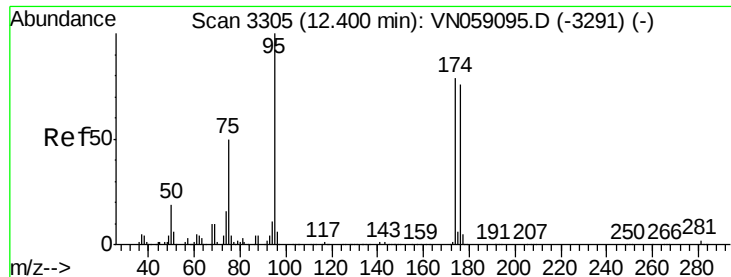
Tgt Ion: 98 Resp: 773556

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 43.577 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059220.D

Acq: 14 Nov 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBL01

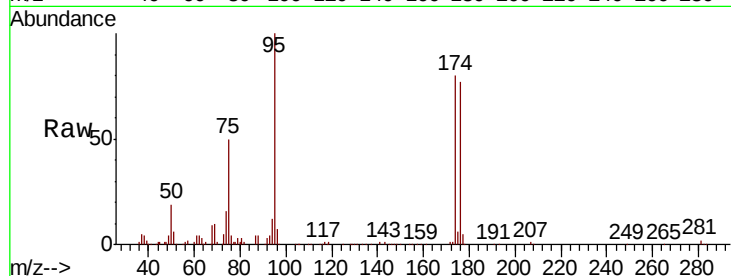
Tot Ion: 95 Resp: 239112

Ion Ratio Lower Upper

95 100

174 79.4 0.0 158.2

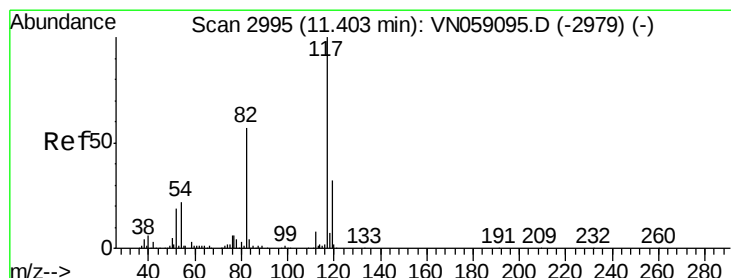
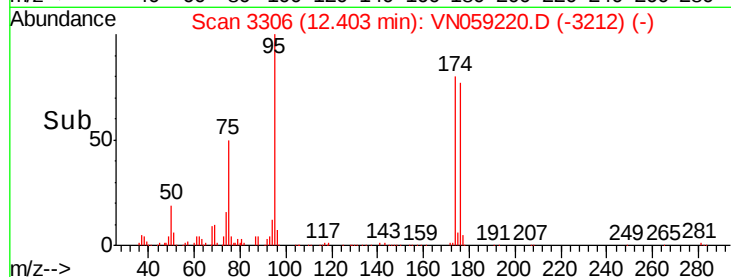
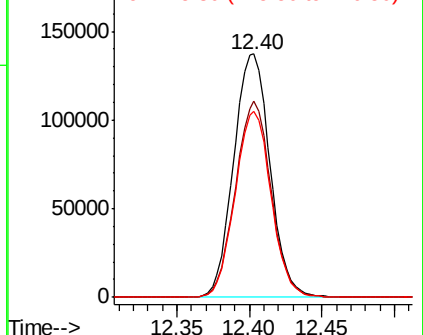
176 76.0 0.0 151.8



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: VN059220.D

Acq: 14 Nov 2019 10:13

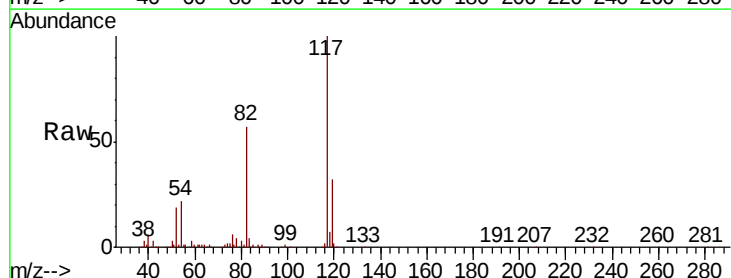
Tgt Ion: 117 Resp: 564061

Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.8

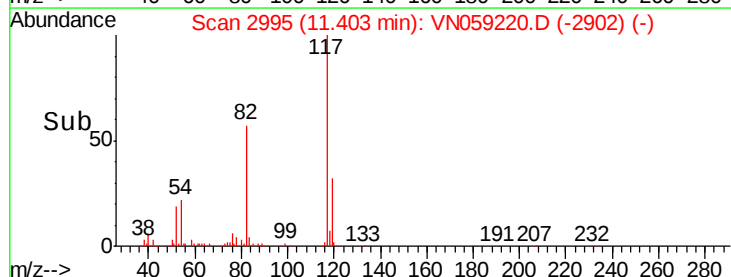
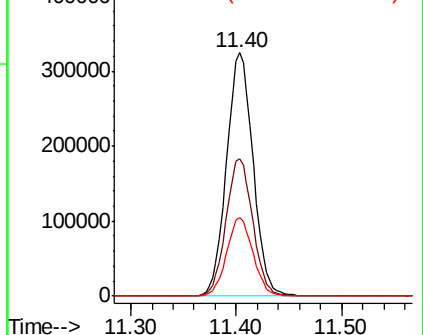
119 32.4 25.8 38.6

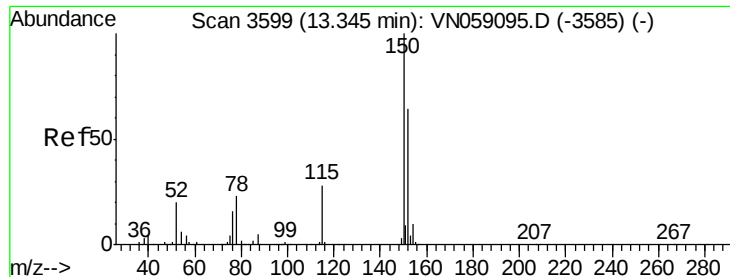


Abundance Ion 116.90 (116.60 to 117.60): VN059095.D (-2979) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059220.D

Acq: 14 Nov 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBL01

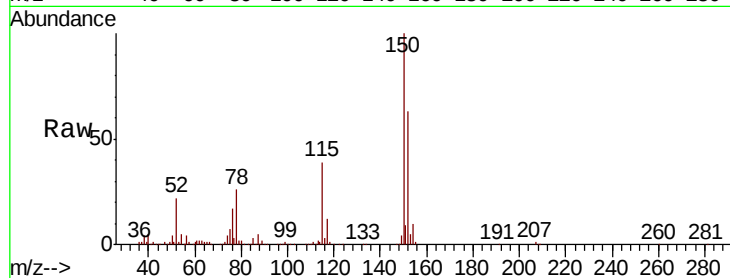
Tot Ion:152 Resp: 193576

Ion Ratio Lower Upper

152 100

115 61.1 29.4 88.2

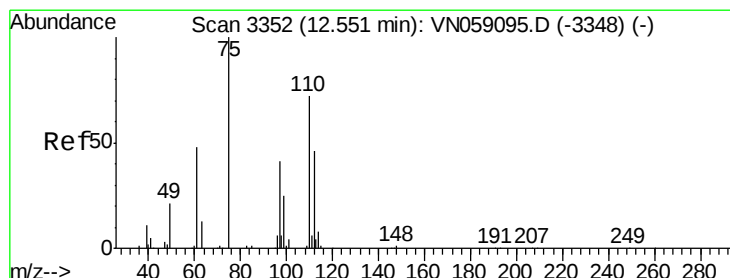
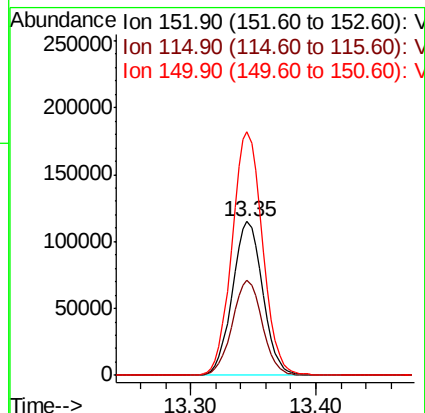
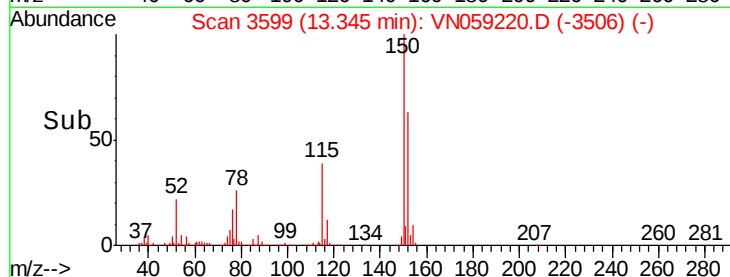
150 158.2 0.0 345.8



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: 27.049 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059220.D

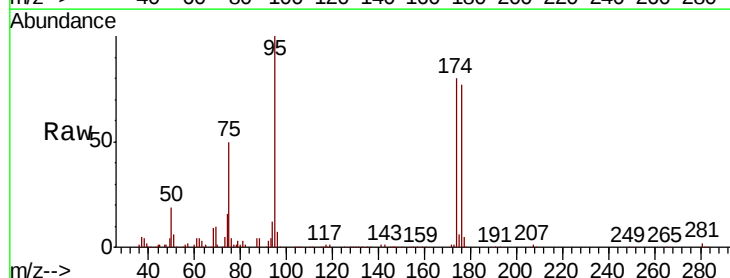
Acq: 14 Nov 2019 10:13

Tgt Ion: 75 Resp: 119206

Ion Ratio Lower Upper

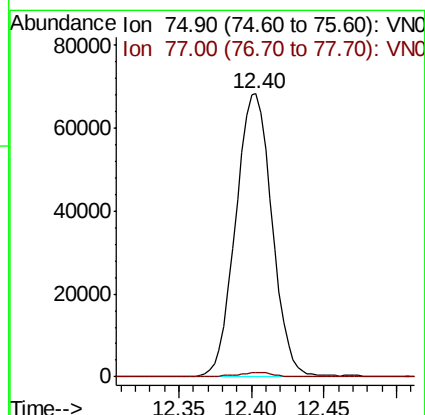
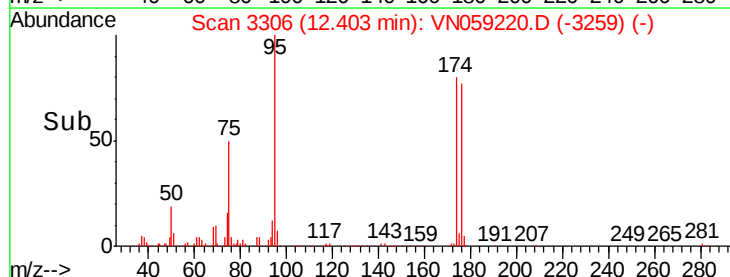
75 100

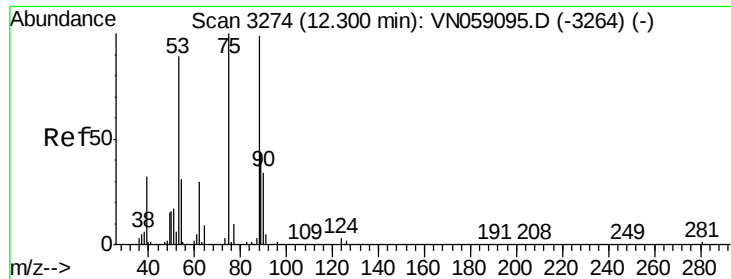
77 1.6 0.0 0.0#



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: 71.443 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059220.D

Acq: 14 Nov 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBL01

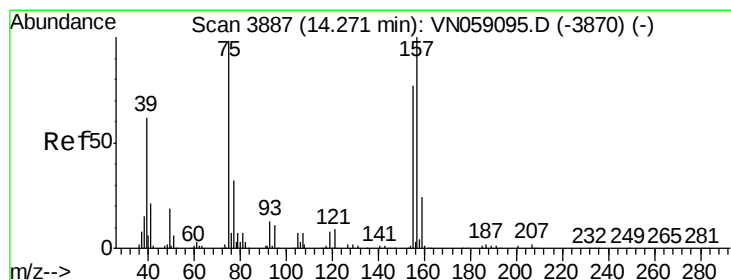
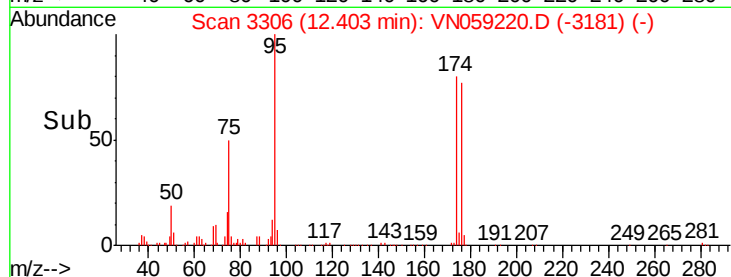
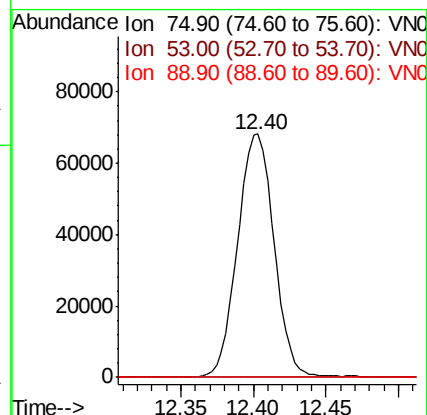
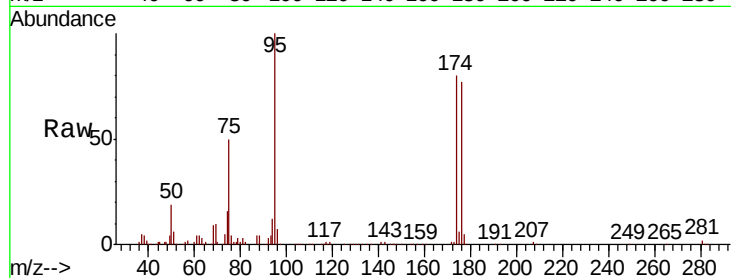
Tot Ion: 75 Resp: 119206

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.243 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.01 min

Lab File: VN059220.D

Acq: 14 Nov 2019 10:13

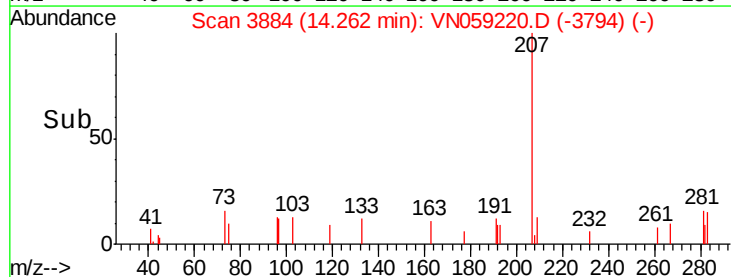
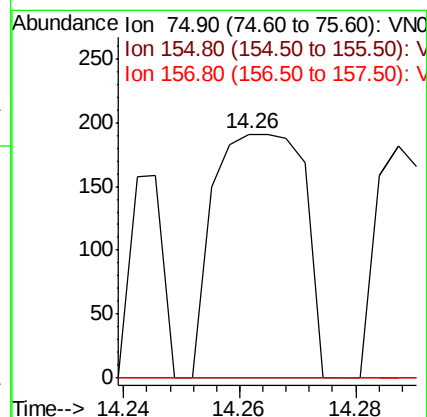
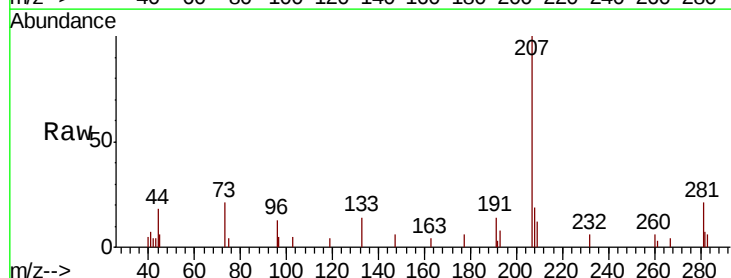
Tgt Ion: 75 Resp: 207

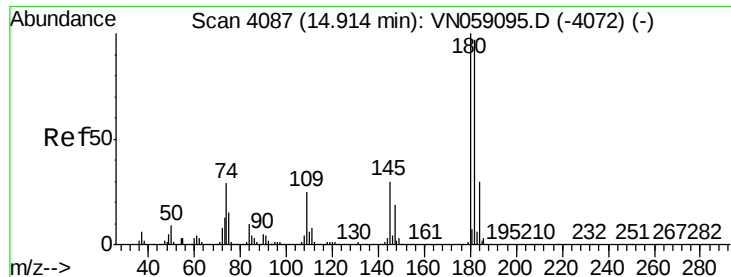
Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 51.8 155.5#

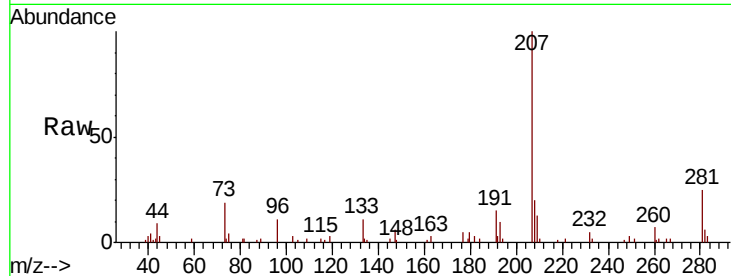




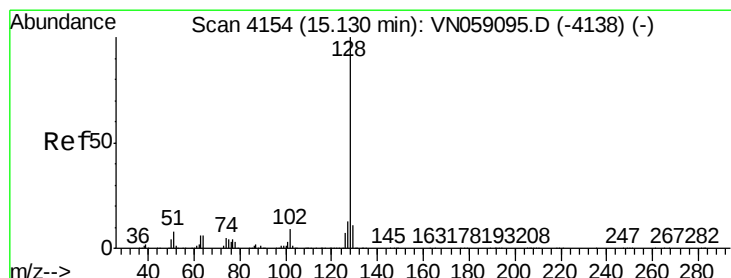
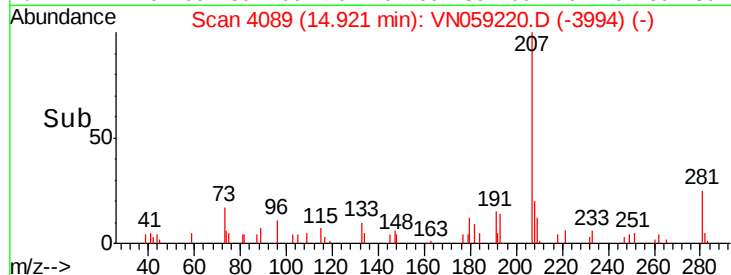
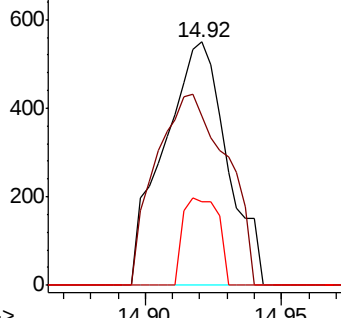
#93
 1,2,4-Trichlorobenzene
 Concen: 3.275 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN059220.D
 Acq: 14 Nov 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.2	48.1	144.3
145	19.8	15.1	45.3

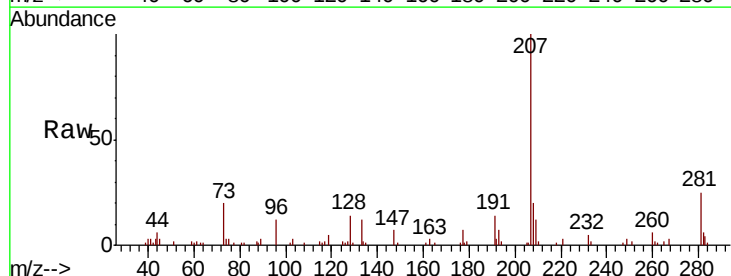


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

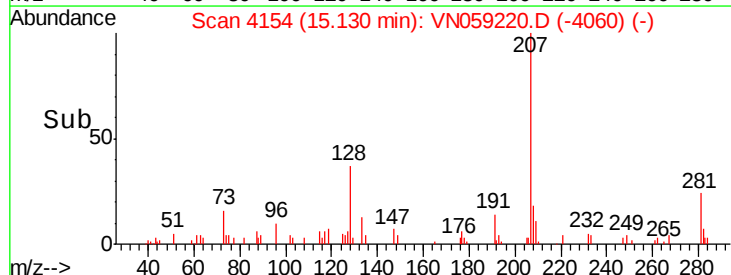
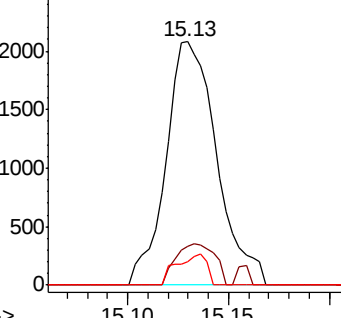


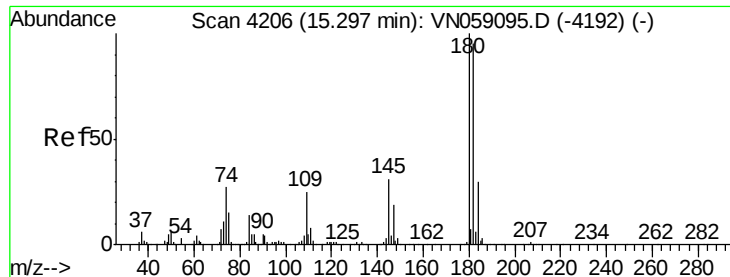
#95
 Naphthalene
 Concen: 3.388 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059220.D
 Acq: 14 Nov 2019 10:13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	7.6	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: 0.369 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN059220.D
 Acq: 14 Nov 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.8
145	25.5	15.8	47.3

