

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059145.D
 Acq On : 11 Nov 2019 9:22
 Operator : JC/SP
 Sample : VN1111MBL01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111MBL01

Quant Time: Nov 12 00:38:54 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	516147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	803481	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	674423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	305503	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	7.56	113	233384	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.08	98	939790	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	292629	42.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.90%	

Target Compounds

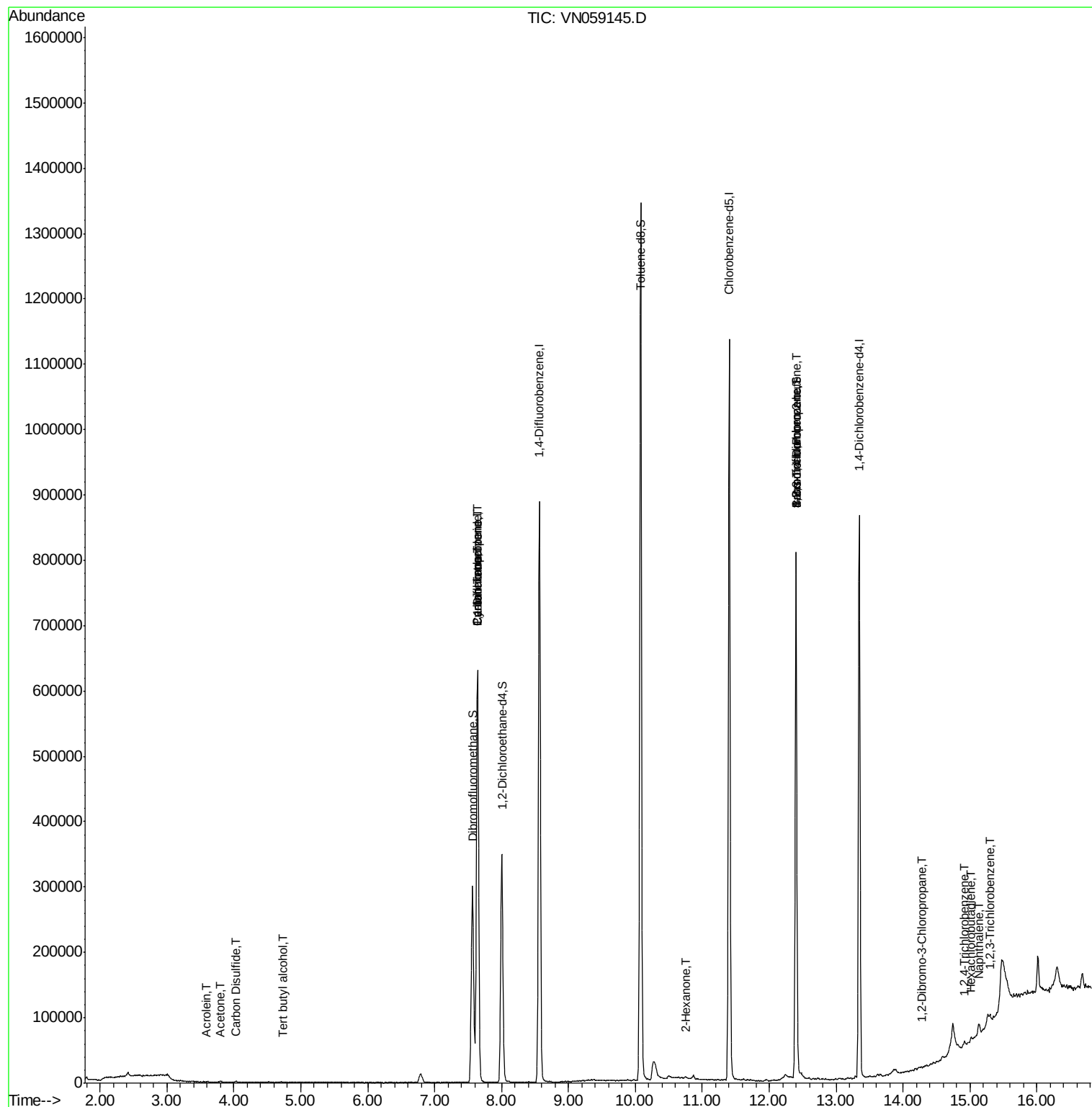
						Qvalue
11) Tert butyl alcohol	4.73	59	267	0.221	ug/l #	72
13) Acrolein	3.59	56	234	0.375	ug/l #	46
16) Acetone	3.80	43	1679	0.509	ug/l #	44
17) Carbon Disulfide	4.03	76	3252	0.218	ug/l #	83
31) Cyclohexane	7.64	56	10113	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	38409	5.114	ug/l #	50
38) Carbon Tetrachloride	7.64	117	51523	6.893	ug/l #	16
59) 2-Hexanone	10.75	43	1966	0.340	ug/l	73
71) Bromoform	12.40	173	1125	0.293	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	147143	27.223	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	147143	71.904	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	905	0.797	ug/l #	43
93) 1,2,4-Trichlorobenzene	14.92	180	2424	3.560	ug/l	89
94) Hexachlorobutadiene	15.01	225	611	0.242	ug/l	86
95) Naphthalene	15.13	128	11009	3.885	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.30	180	3724	0.909	ug/l	94

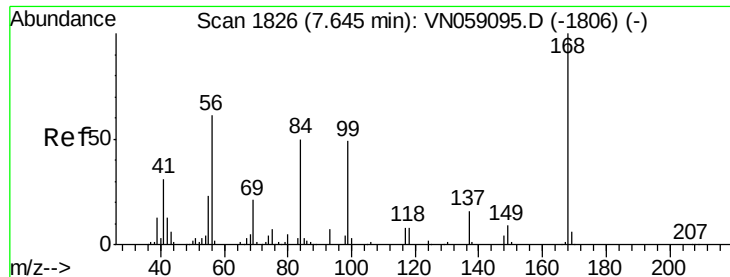
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : JC/SP
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Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 12 00:38:54 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# 1825

Delta R.T. -0.00 min

Lab File: VN059145.D

Acq: 11 Nov 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

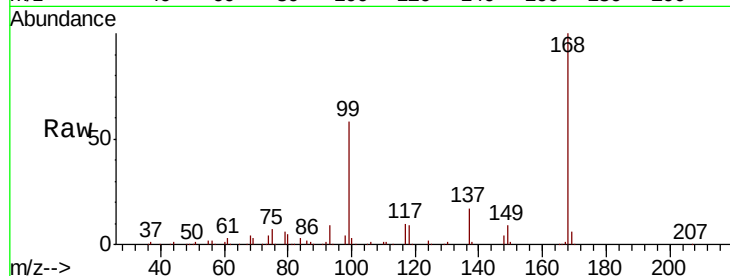
VN1111MBL01

Tot Ion:168 Resp: 516147

Ion Ratio Lower Upper

168 100

99 58.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059145.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059145.D (-1733) (-)

7.64

250000

200000

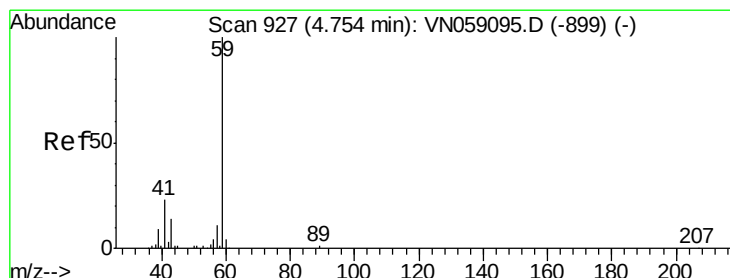
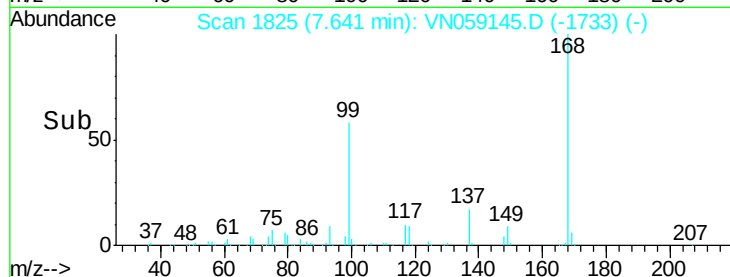
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.221 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.03 min

Lab File: VN059145.D

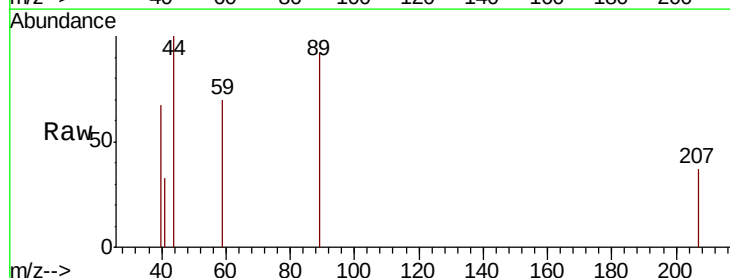
Acq: 11 Nov 2019 9:22

Tgt Ion: 59 Resp: 267

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059145.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN059145.D (-834) (-)

4.73

400

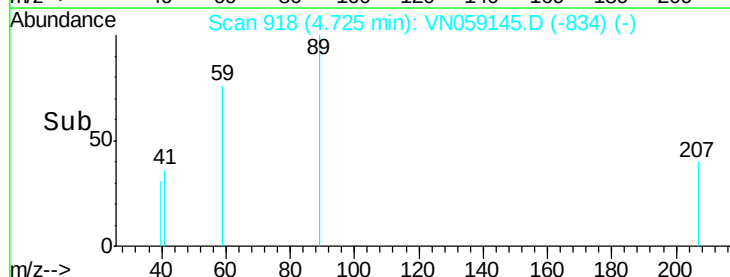
300

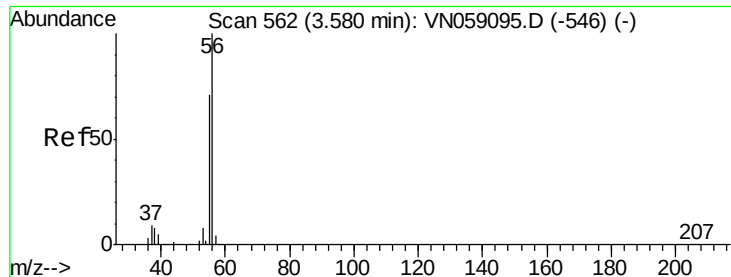
200

100

0

Time-->





#13

Acrolein

Concen: 0.375 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059145.D

Acq: 11 Nov 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

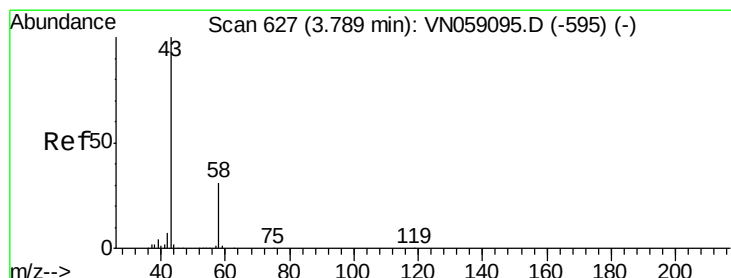
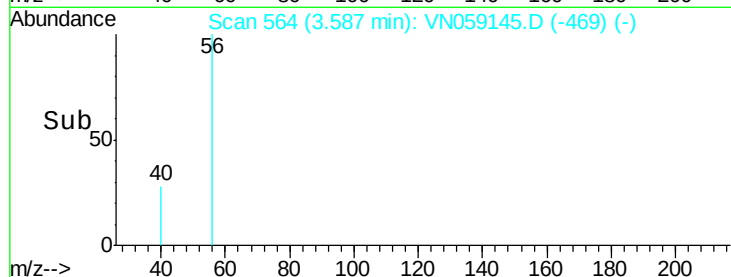
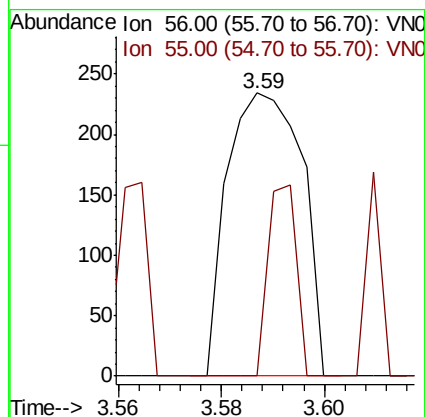
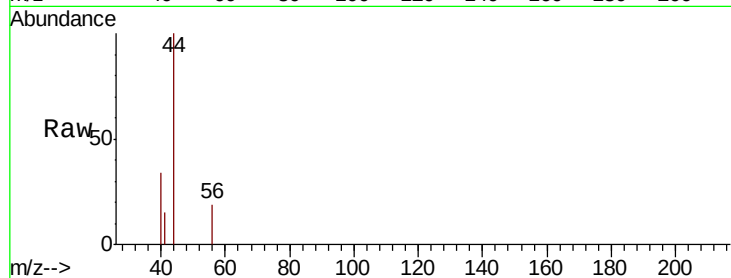
VN1111MBL01

Tot Ion: 56 Resp: 234

Ion Ratio Lower Upper

56 100

55 25.6 56.4 84.6#



#16

Acetone

Concen: 0.509 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059145.D

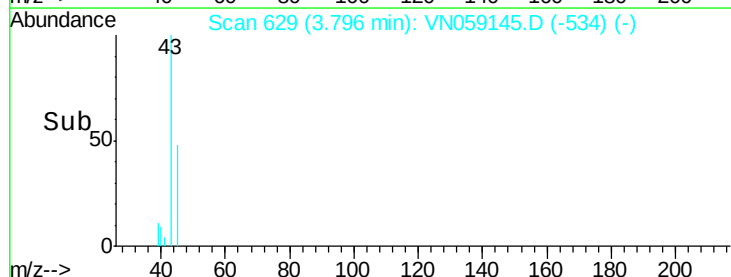
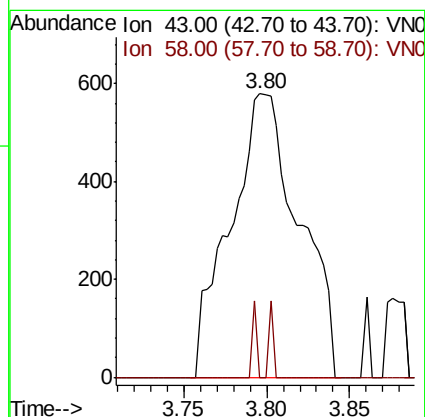
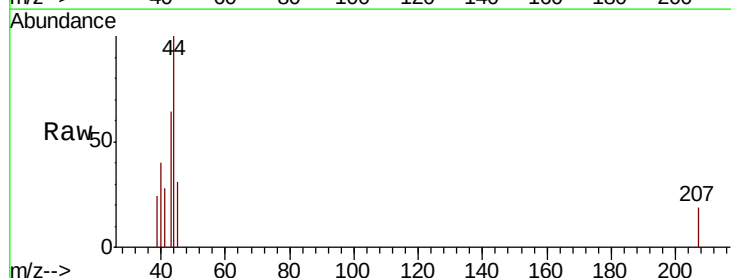
Acq: 11 Nov 2019 9:22

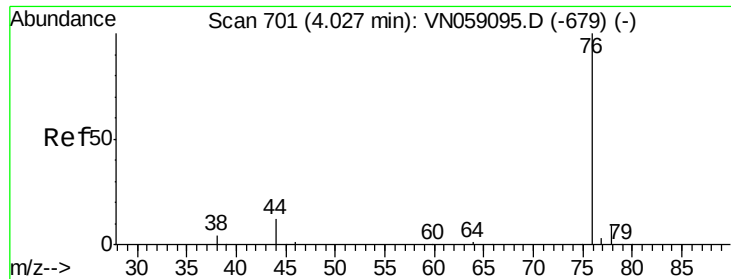
Tgt Ion: 43 Resp: 1679

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#

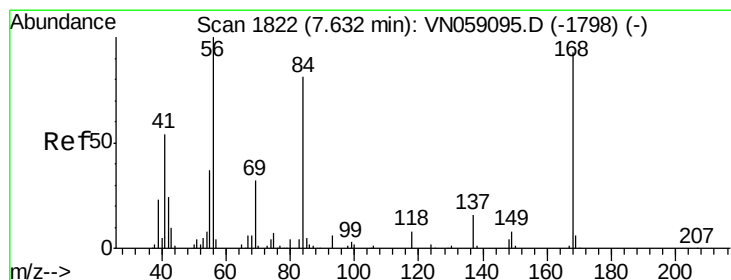
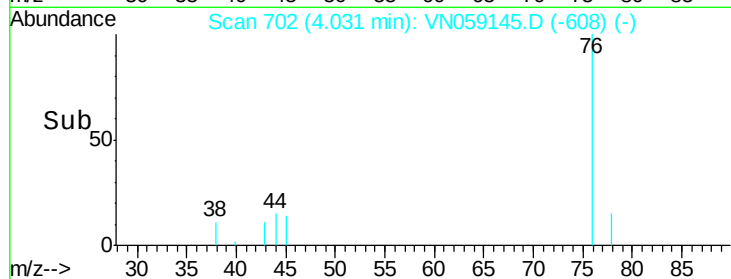
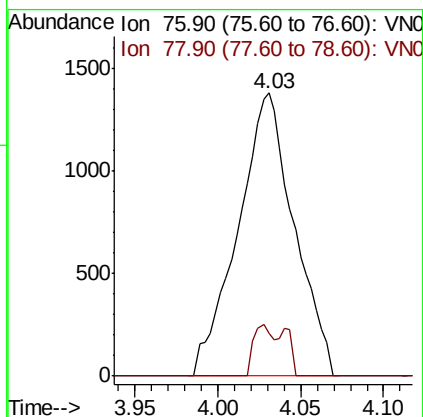
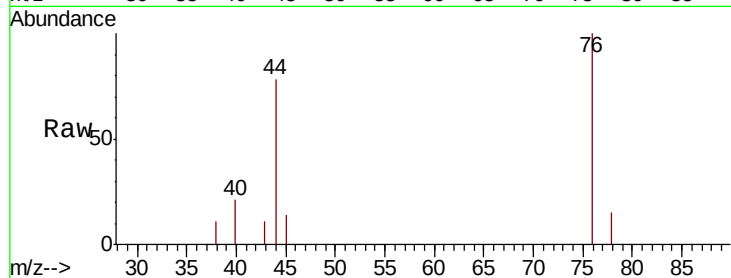




#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059145.D
Acq: 11 Nov 2019 9:22

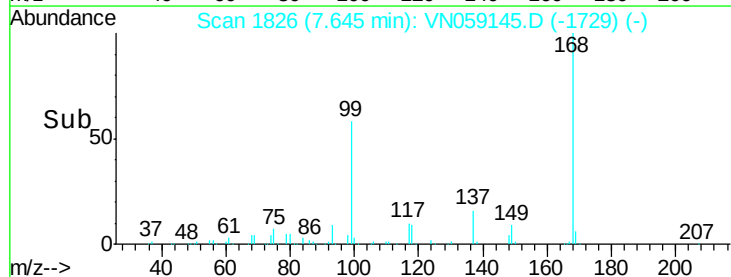
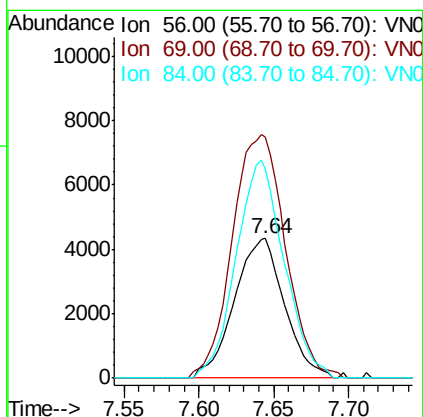
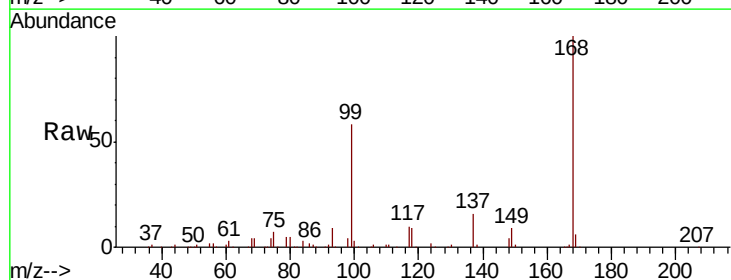
Instrument :
MSVOA_N
ClientSampleId :
VN1111MBL01

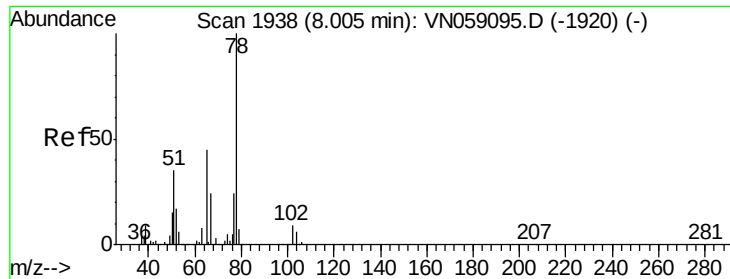
Tot Ion: 76 Resp: 3252
Ion Ratio Lower Upper
76 100
78 15.2 7.4 11.0#



#31
Cyclohexane
Concen: 1.024 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059145.D
Acq: 11 Nov 2019 9:22

Tgt Ion: 56 Resp: 10113
Ion Ratio Lower Upper
56 100
69 172.3 25.8 38.8#
84 149.4 65.0 97.4#

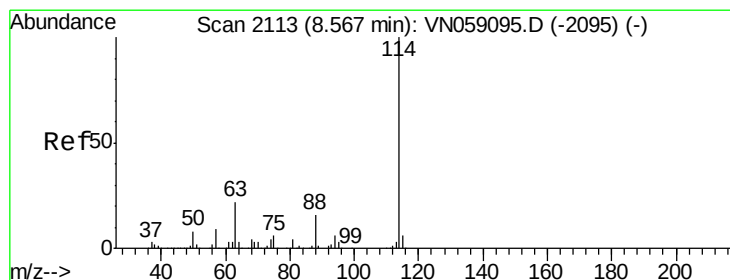
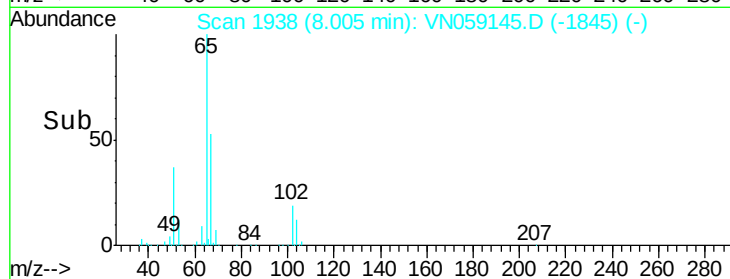
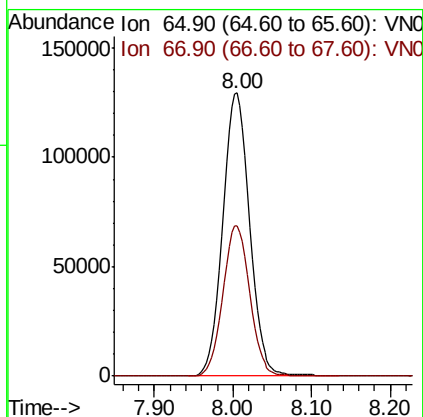
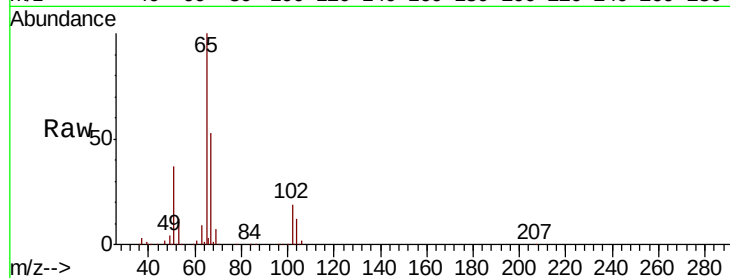




#33
 1,2-Dichloroethane-d4
 Concen: 48.150 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

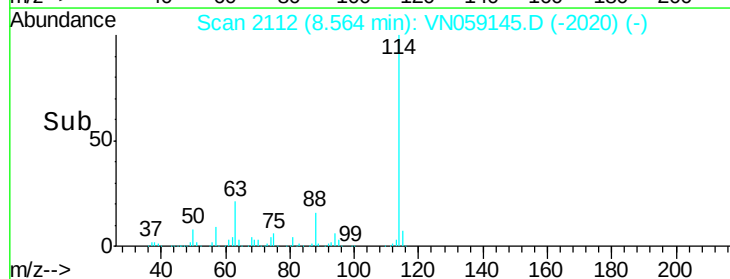
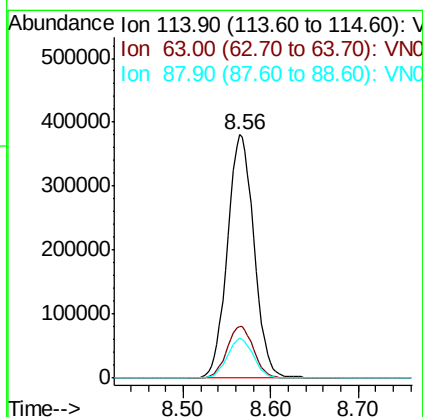
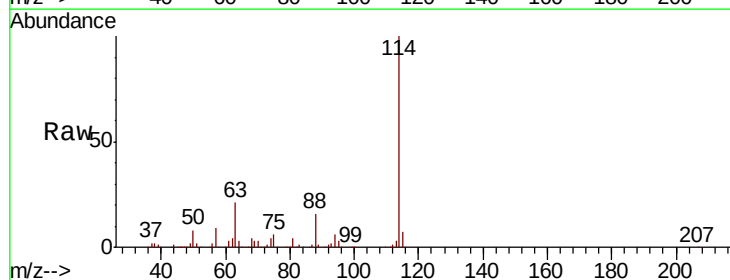
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111MBL01

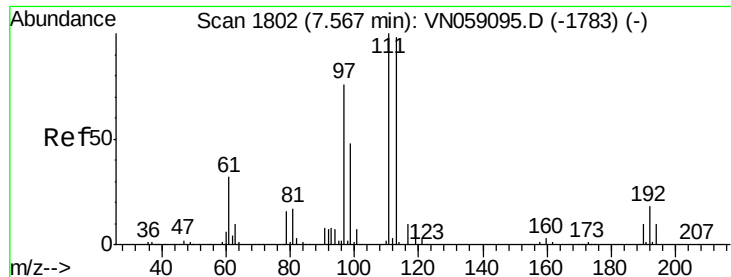
Tot Ion: 65 Resp: 305503
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

Tgt Ion: 114 Resp: 803481
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.4
 88 16.2 0.0 32.2

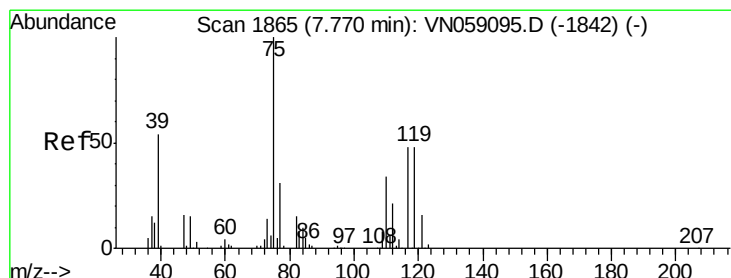
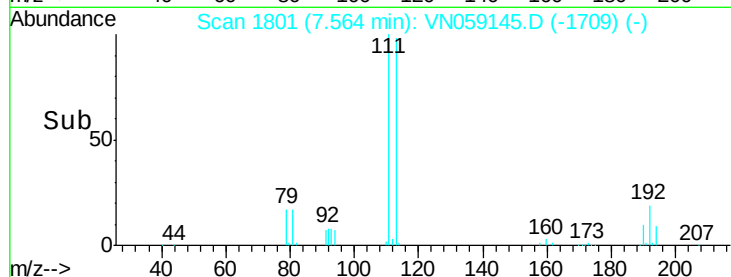
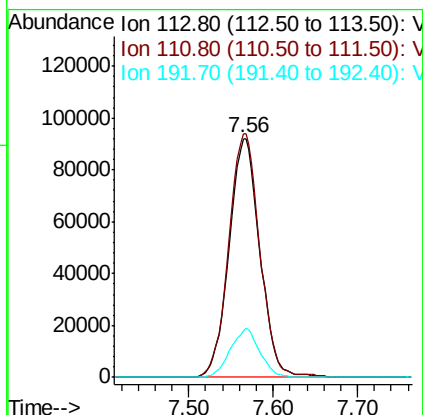
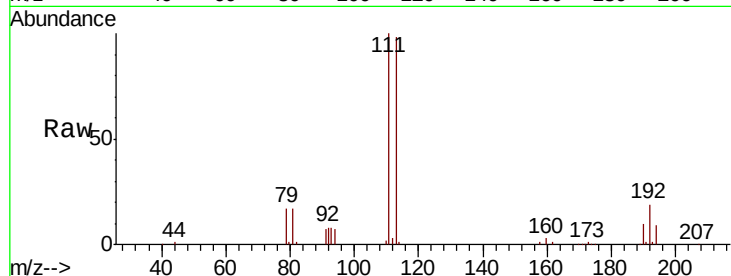




#35
 Dibromofluoromethane
 Concen: 48.646 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

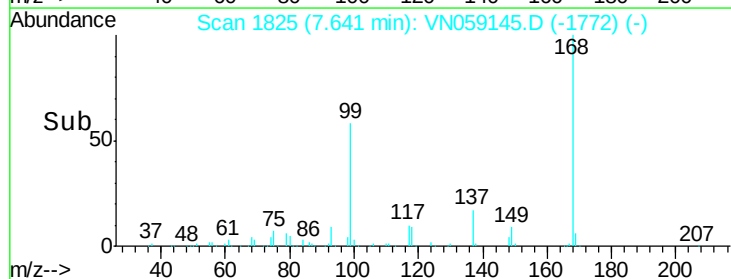
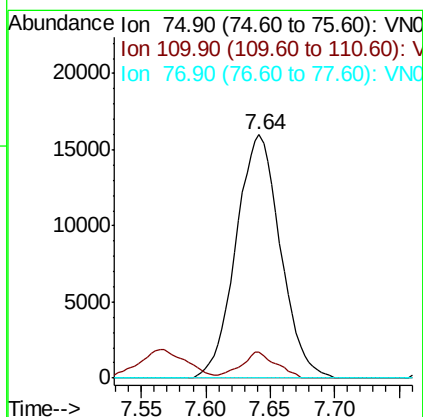
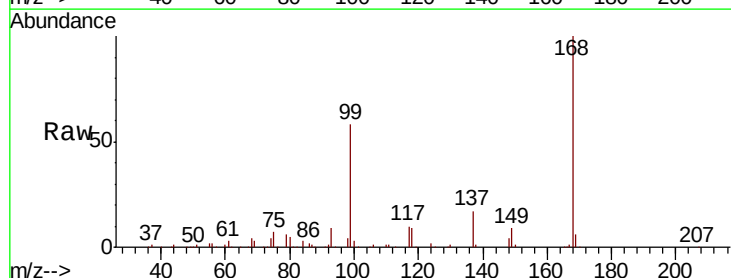
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111MBL01

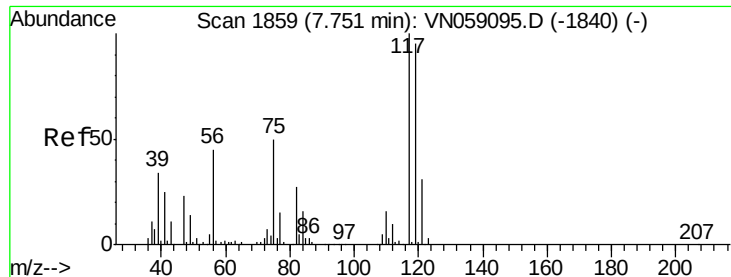
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	19.6	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.114 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.1	51.2#
77	0.0	24.8	37.2#

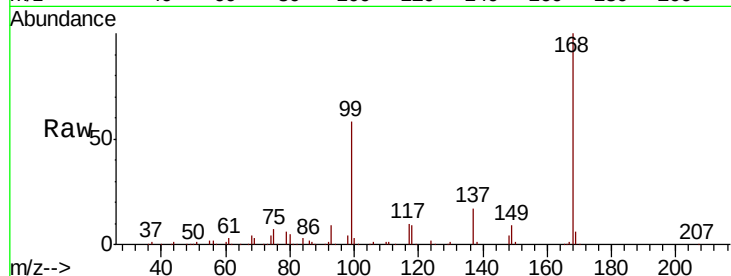




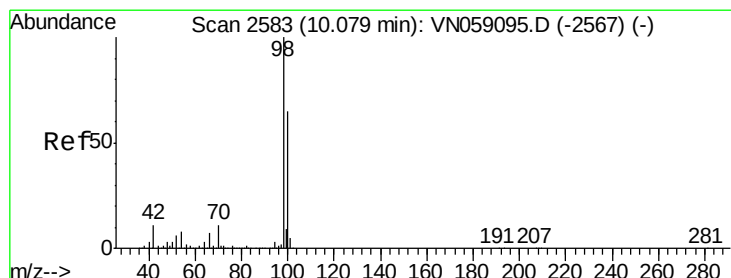
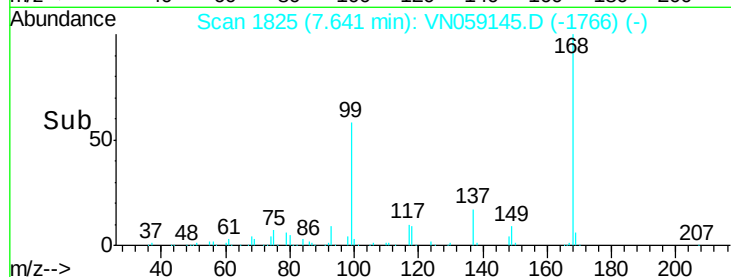
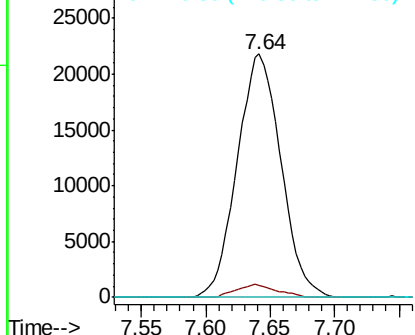
#38
Carbon Tetrachloride
Concen: 6.893 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059145.D
Acq: 11 Nov 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VN1111MBL01

Tot Ion:117 Resp: 51523
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 24.6 36.8#

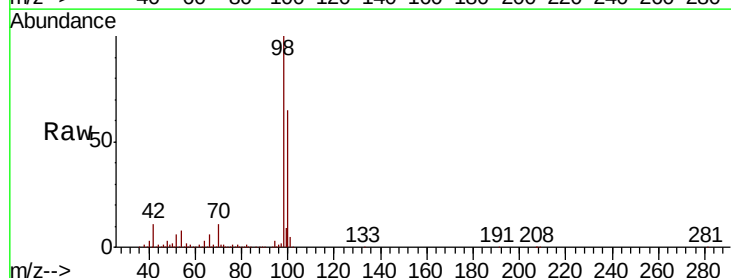


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

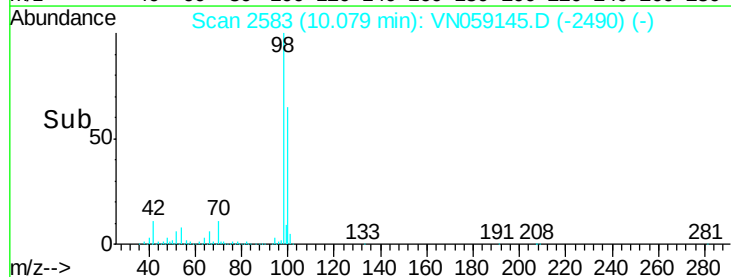
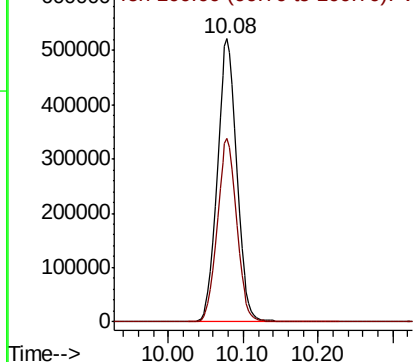


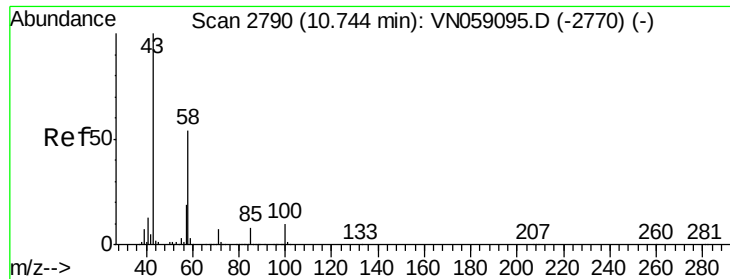
#50
Toluene-d8
Concen: 49.732 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059145.D
Acq: 11 Nov 2019 9:22

Tgt Ion: 98 Resp: 939790
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



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





#59

2-Hexanone

Concen: 0.340 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN059145.D

Acq: 11 Nov 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

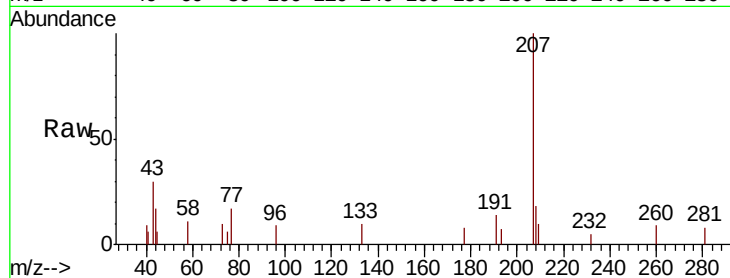
VN1111MBL01

Tot Ion: 43 Resp: 1966

Ion Ratio Lower Upper

43 100

58 34.8 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

800

600

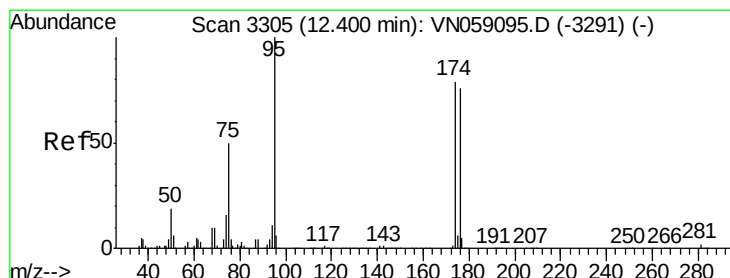
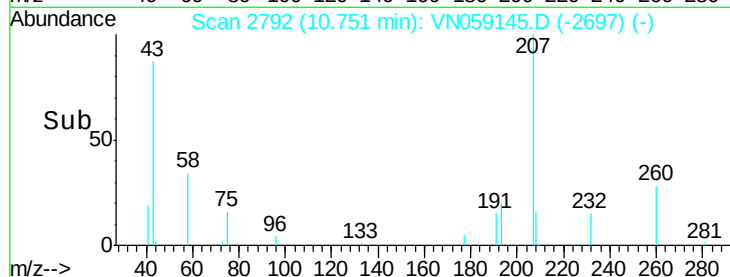
400

200

0

10.70 10.75 10.80

Time-->



#62

4-Bromofluorobenzene

Concen: 42.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059145.D

Acq: 11 Nov 2019 9:22

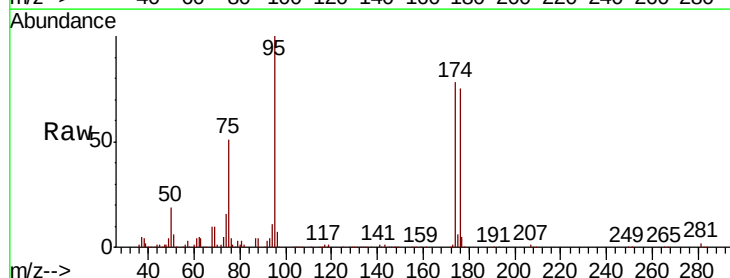
Tgt Ion: 95 Resp: 292629

Ion Ratio Lower Upper

95 100

174 77.5 0.0 158.2

176 74.8 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

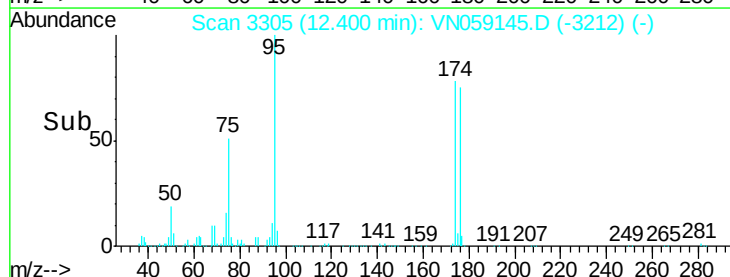
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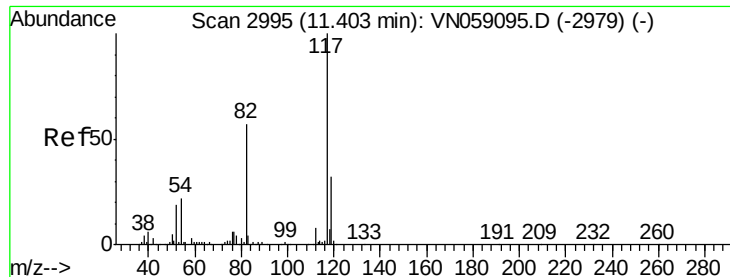
50000

0

12.30 12.40 12.50

Time-->

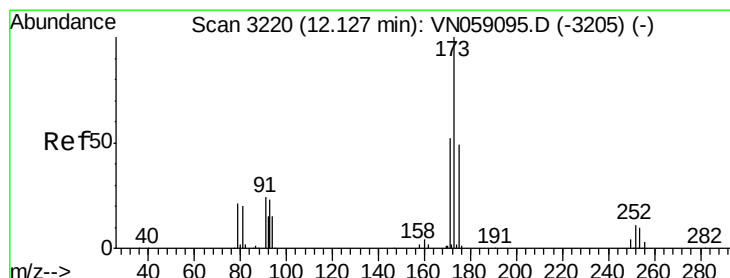
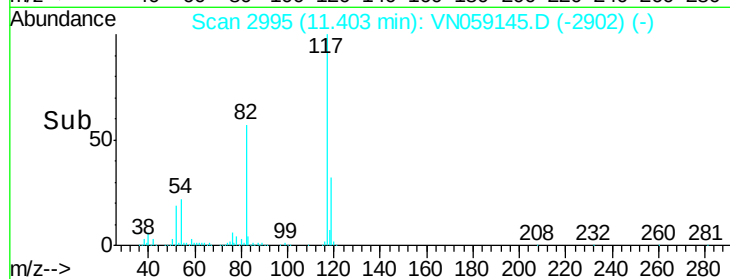
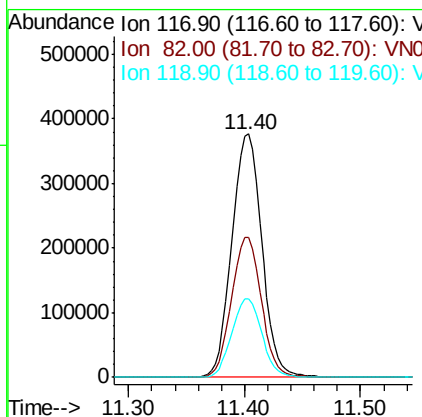
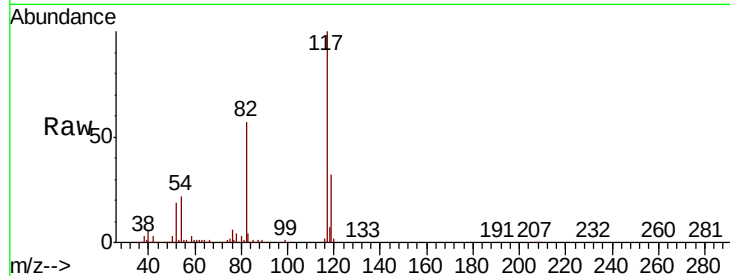




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2995
 Delta R.T. 0.00 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

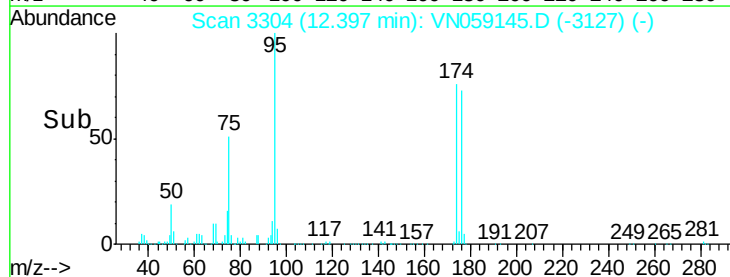
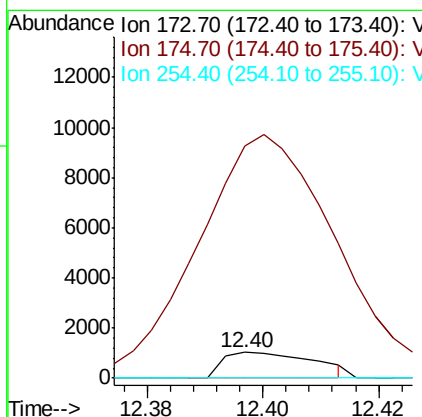
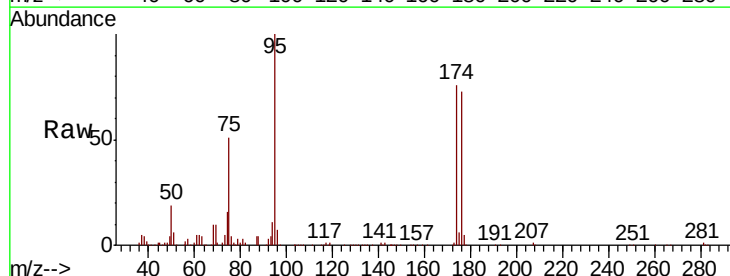
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111MBL01

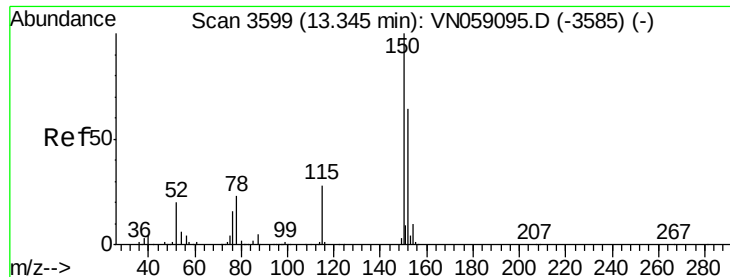
Tot Ion:117 Resp: 674423
 Ion Ratio Lower Upper
 117 100
 82 57.5 45.8 68.8
 119 32.3 25.8 38.6



#71
 Bromoform
 Concen: 0.293 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.27 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

Tgt Ion:173 Resp: 1125
 Ion Ratio Lower Upper
 173 100
 175 1271.0 24.2 72.6#
 254 0.0 0.1 0.1#

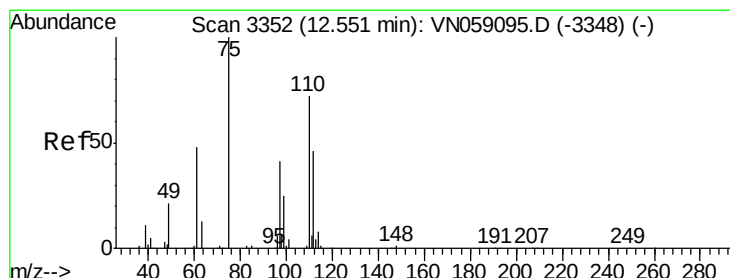
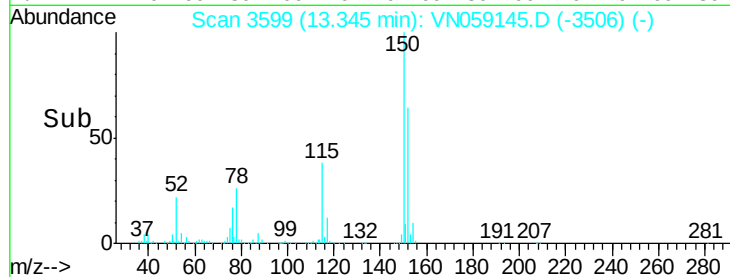
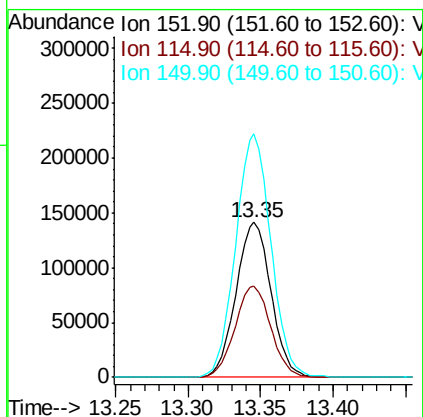
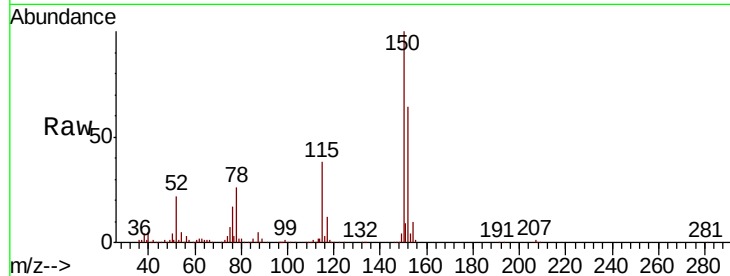




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

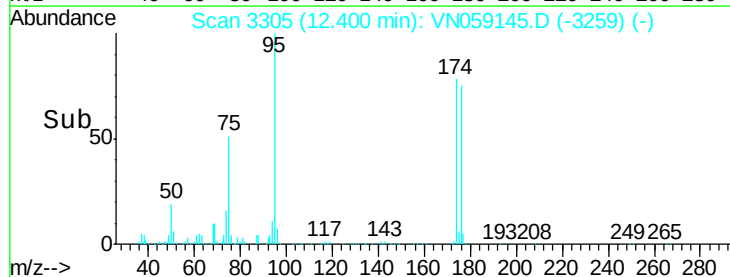
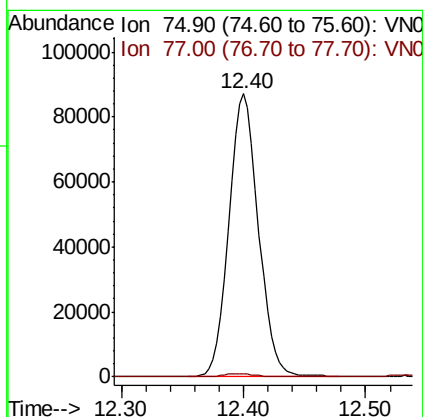
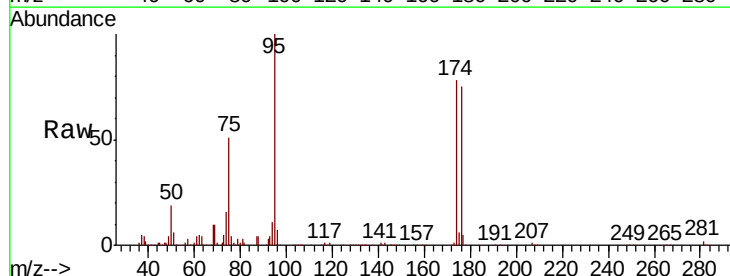
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111MBL01

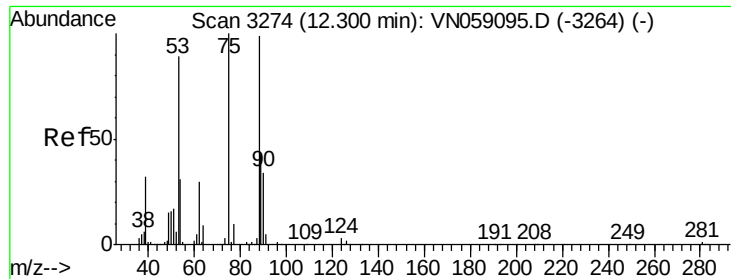
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.4	29.4	88.2
150	158.4	0.0	345.8



#76
 1,2,3-Trichloropropane
 Concen: 27.223 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.904 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059145.D

Acq: 11 Nov 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VN1111MBL01

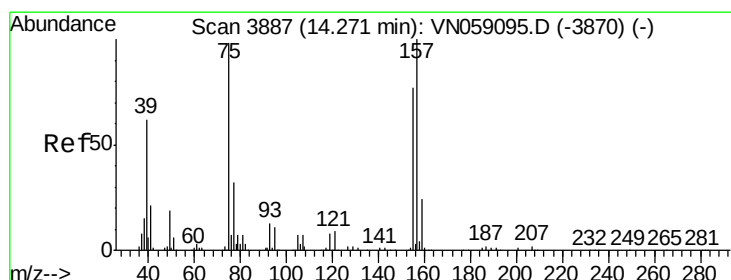
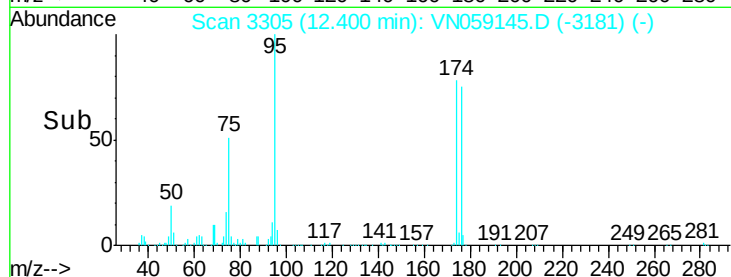
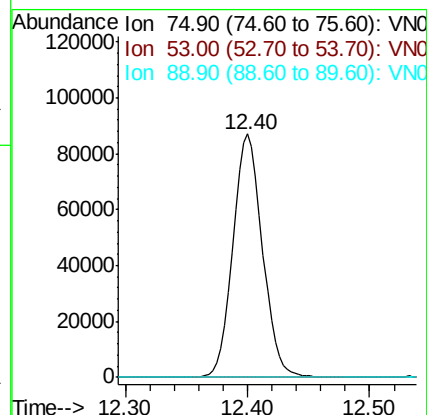
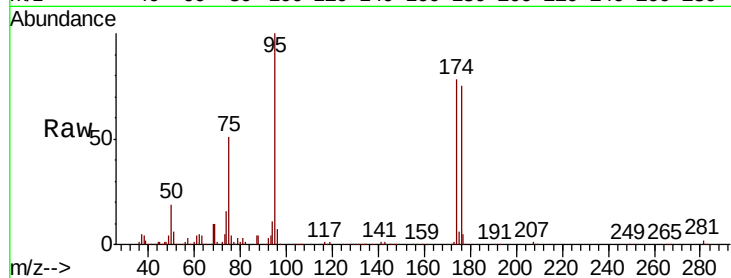
Tot Ion: 75 Resp: 147143

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: 0.797 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN059145.D

Acq: 11 Nov 2019 9:22

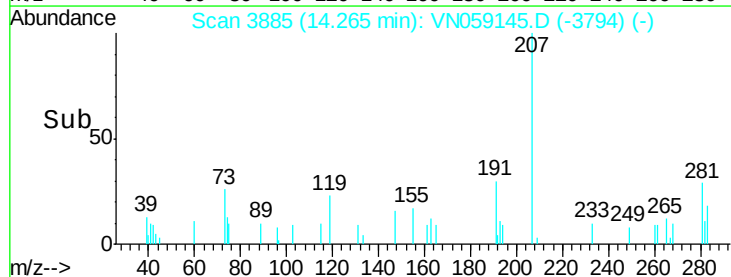
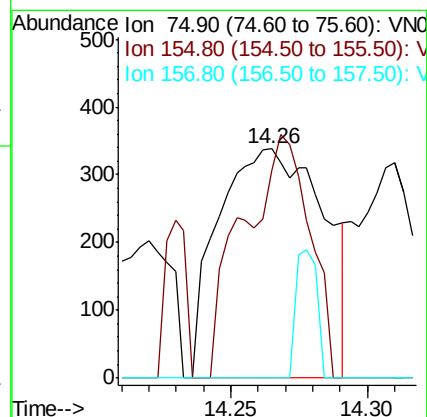
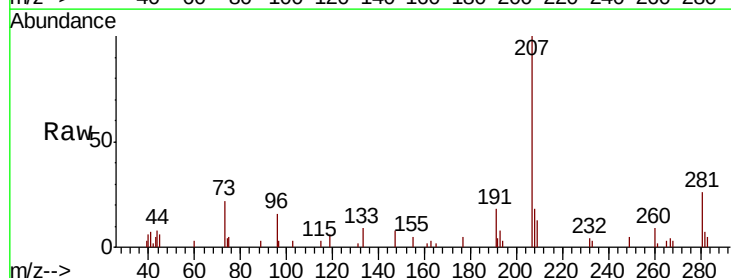
Tgt Ion: 75 Resp: 905

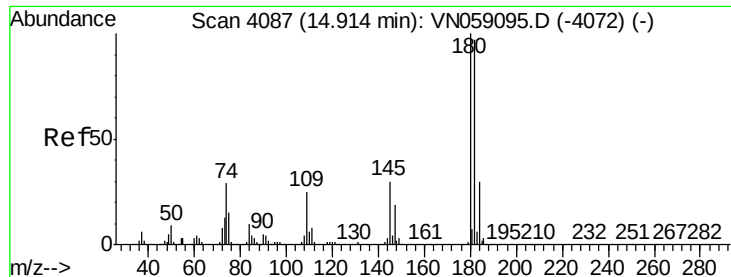
Ion Ratio Lower Upper

75 100

155 67.7 40.2 120.6

157 11.5 51.8 155.5#

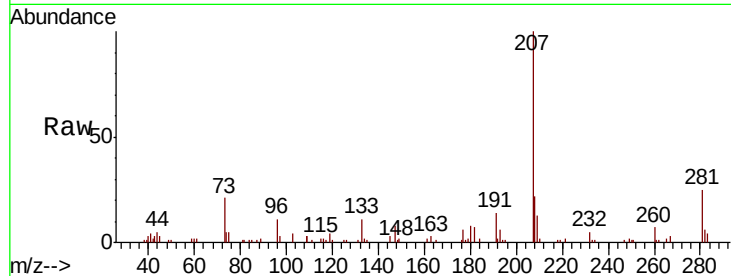




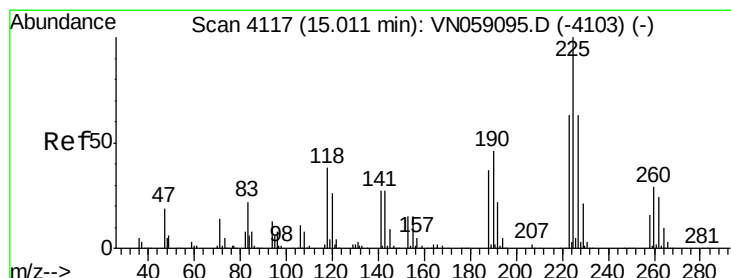
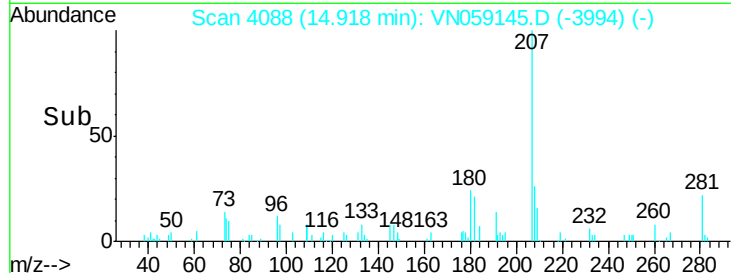
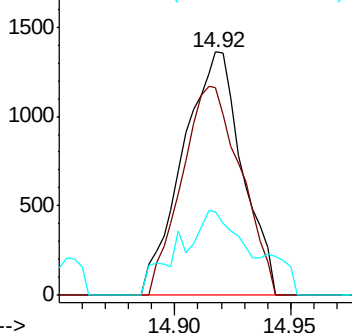
#93
 1,2,4-Trichlorobenzene
 Concen: 3.560 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111MBL01

Tot Ion:180 Resp: 2424
 Ion Ratio Lower Upper
 180 100
 182 85.7 48.1 144.3
 145 37.1 15.1 45.3

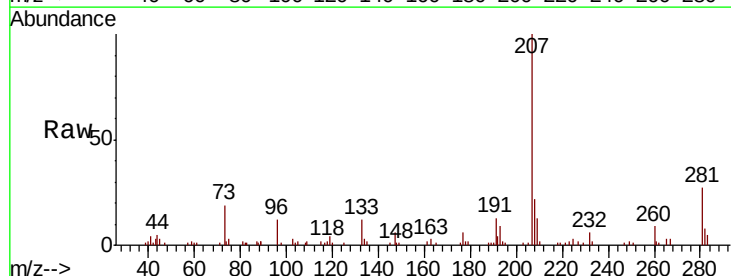


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

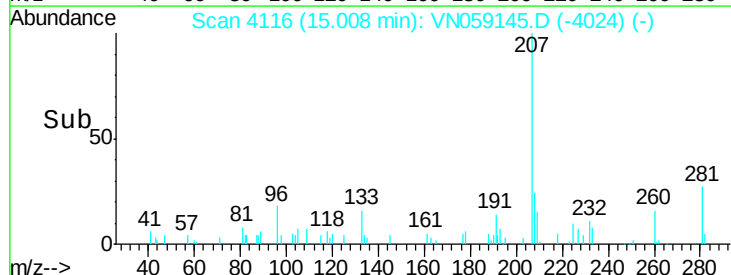
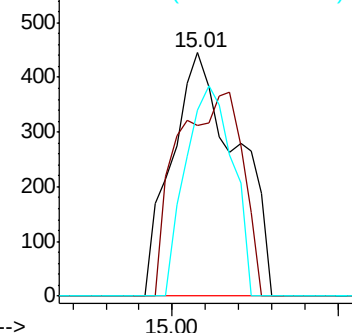


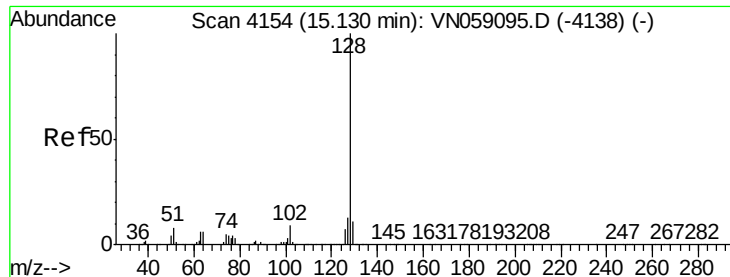
#94
 Hexachlorobutadiene
 Concen: 0.242 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059145.D
 Acq: 11 Nov 2019 9:22

Tgt Ion:225 Resp: 611
 Ion Ratio Lower Upper
 225 100
 223 83.0 31.3 93.9
 227 61.9 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: 3.885 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059145.D

Acq: 11 Nov 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VN1111MBL01

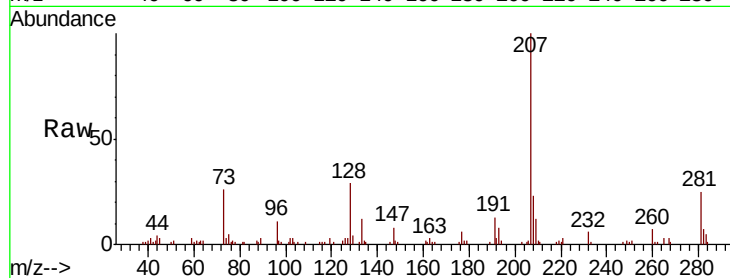
Tot Ion:128 Resp: 11009

Ion Ratio Lower Upper

128 100

127 10.8 10.2 15.2

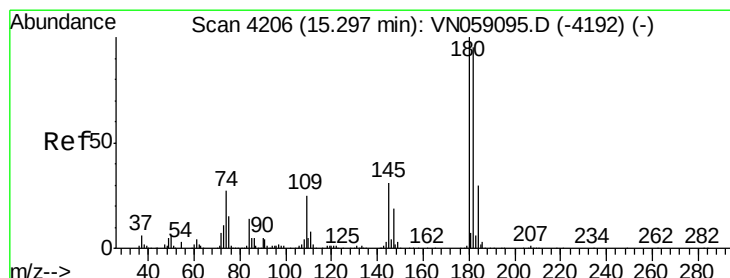
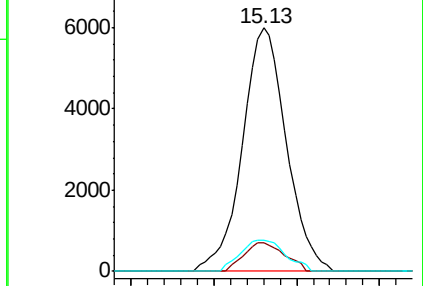
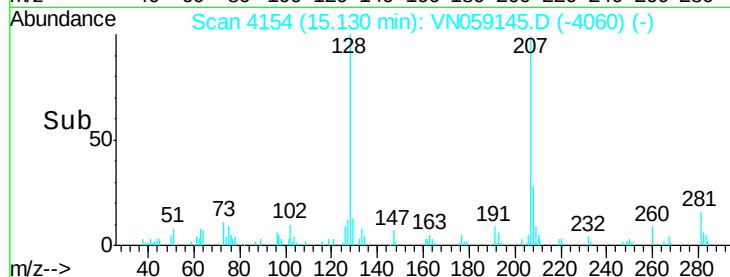
129 13.1 8.6 12.8#



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: 0.909 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059145.D

Acq: 11 Nov 2019 9:22

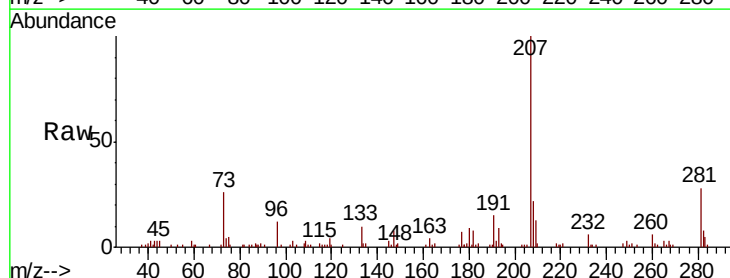
Tgt Ion:180 Resp: 3724

Ion Ratio Lower Upper

180 100

182 88.6 47.3 141.8

145 28.2 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

