

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059131.D
 Acq On : 8 Nov 2019 9:25
 Operator : JC/SP
 Sample : VN1108MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBL01

Quant Time: Nov 11 00:55:13 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	495508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	767508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	654691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	226857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	314316	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.56	113	244969	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
50) Toluene-d8	10.08	98	957916	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.40	95	292625	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	

Target Compounds

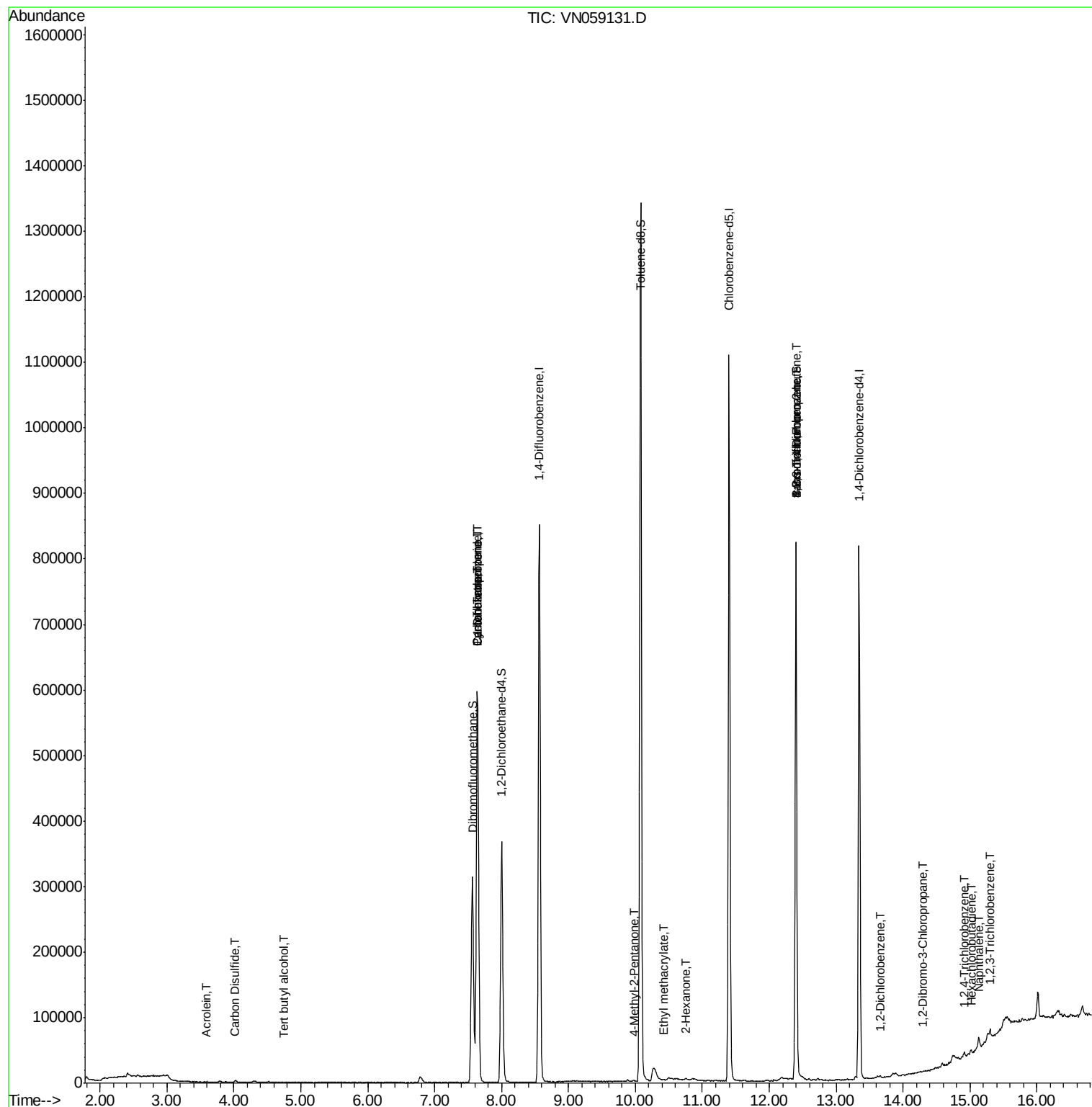
						Qvalue
11) Tert butyl alcohol	4.74	59	272	0.234	ug/l #	72
13) Acrolein	3.59	56	149	0.249	ug/l	98
17) Carbon Disulfide	4.02	76	5068	0.353	ug/l #	93
31) Cyclohexane	7.64	56	10277	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	37051	5.165	ug/l #	50
38) Carbon Tetrachloride	7.64	117	47740	6.686	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	1488	0.207	ug/l #	71
56) Ethyl methacrylate	10.43	69	61	1.880	ug/l #	1
59) 2-Hexanone	10.76	43	1955	0.354	ug/l	89
71) Bromoform	12.40	173	1567	0.421	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	146170	28.301	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	146170	74.752	ug/l #	13
91) 1,2-Dichlorobenzene	13.66	146	1398	0.200	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.28	75	518	0.488	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	2872	3.683	ug/l	96
94) Hexachlorobutadiene	15.01	225	944	0.392	ug/l	92
95) Naphthalene	15.13	128	11661	3.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	4414	1.128	ug/l	92

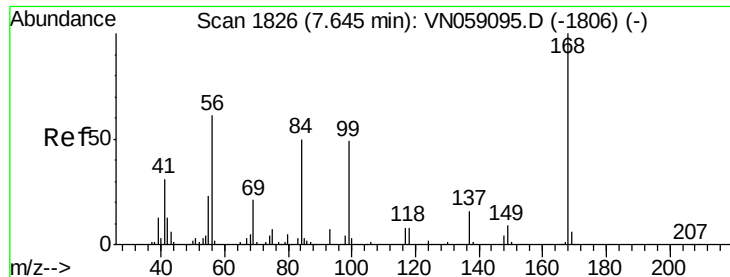
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059131.D

Acq: 8 Nov 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

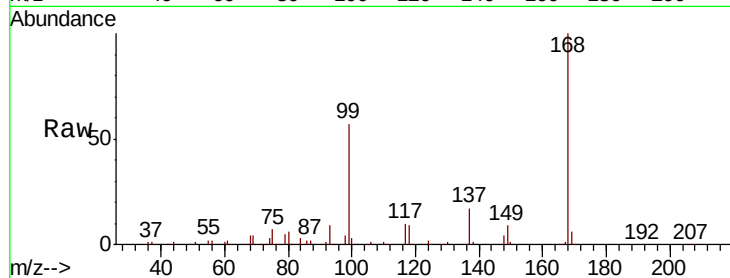
VN1108MBL01

Tot Ion:168 Resp: 495508

Ion Ratio Lower Upper

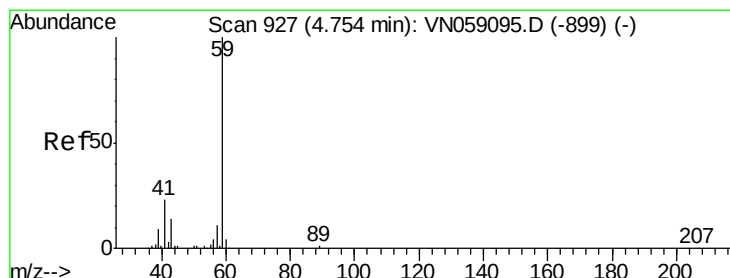
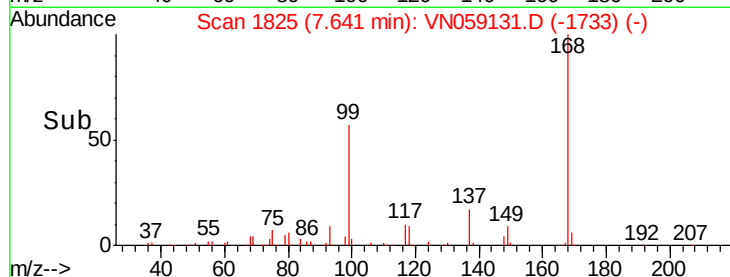
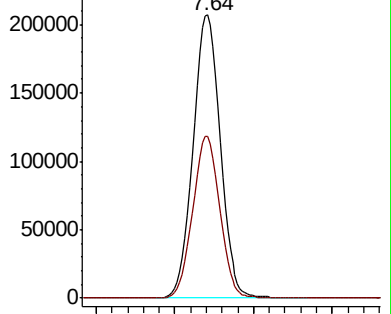
168 100

99 57.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.234 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN059131.D

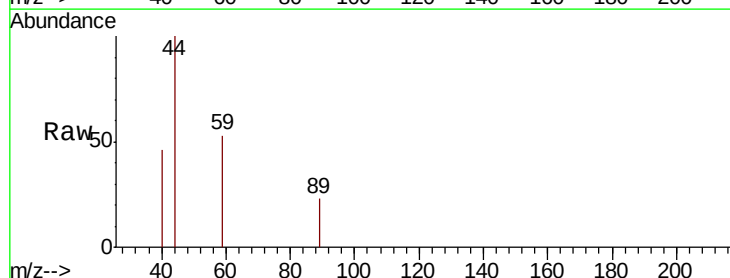
Acq: 8 Nov 2019 9:25

Tgt Ion: 59 Resp: 272

Ion Ratio Lower Upper

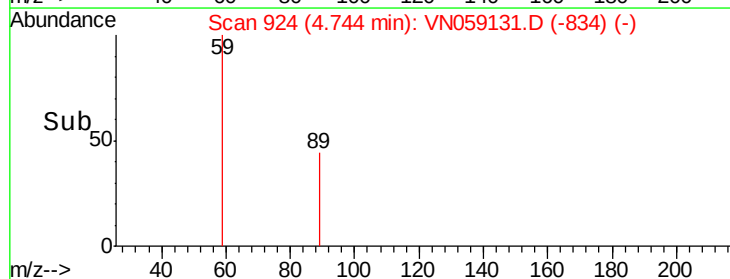
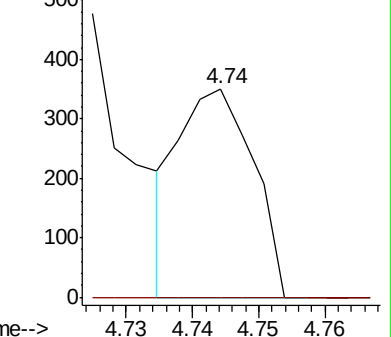
59 100

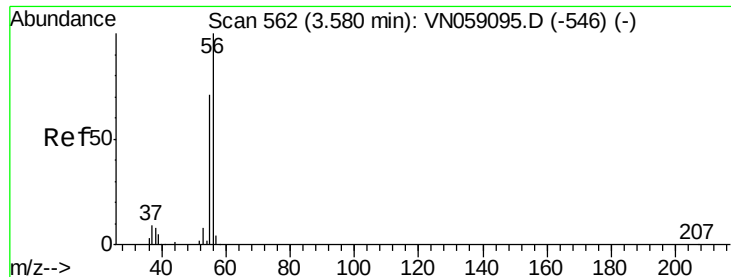
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.249 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

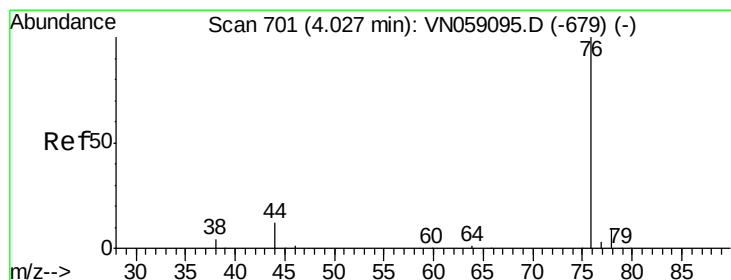
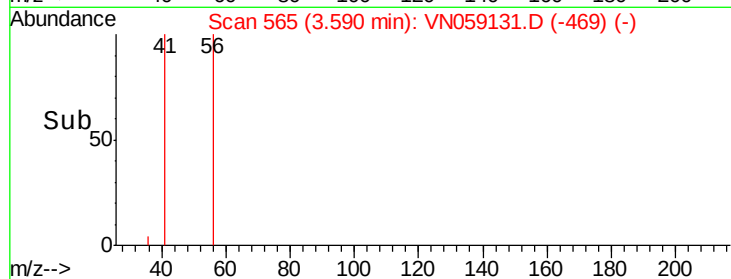
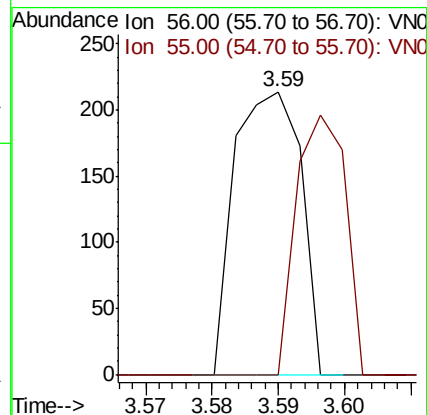
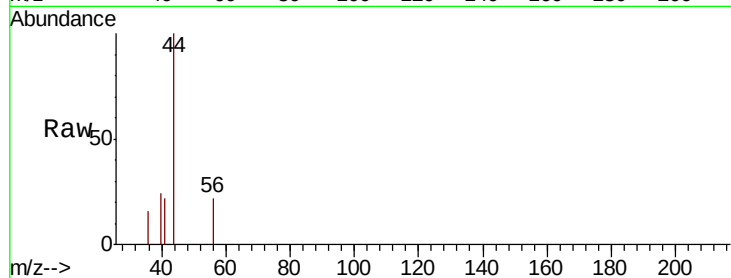
VN1108MBL01

Tot Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 68.5 56.4 84.6



#17

Carbon Disulfide

Concen: 0.353 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059131.D

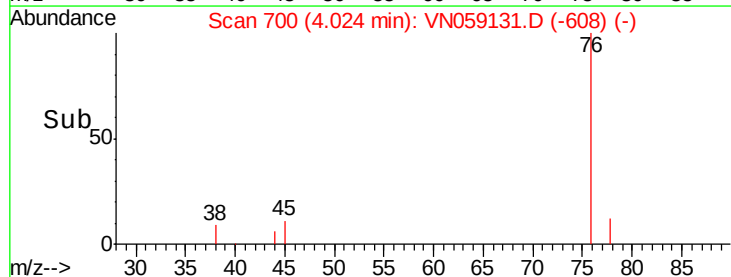
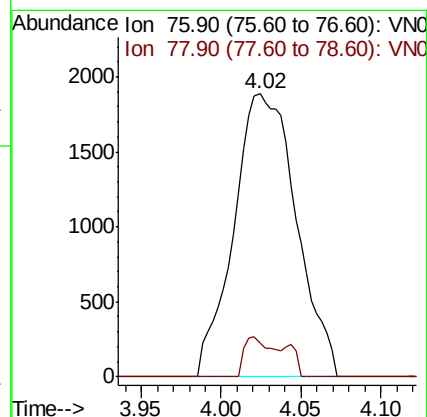
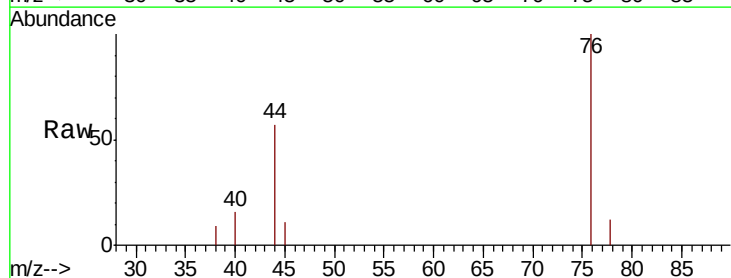
Acq: 8 Nov 2019 9:25

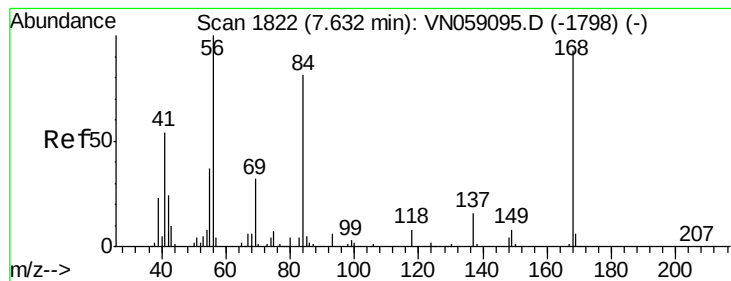
Tgt Ion: 76 Resp: 5068

Ion Ratio Lower Upper

76 100

78 11.8 7.4 11.0#





#31

Cyclohexane

Concen: 1.084 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VN1108MBL01

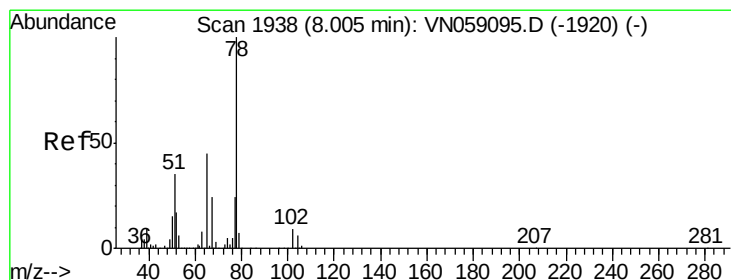
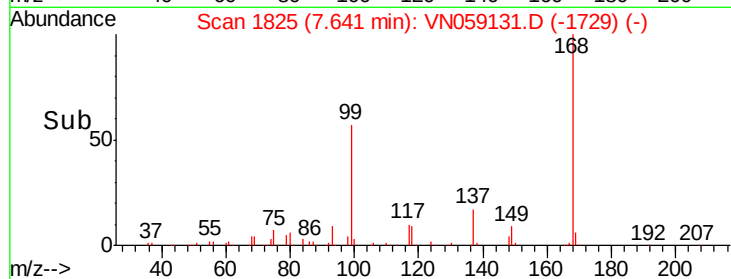
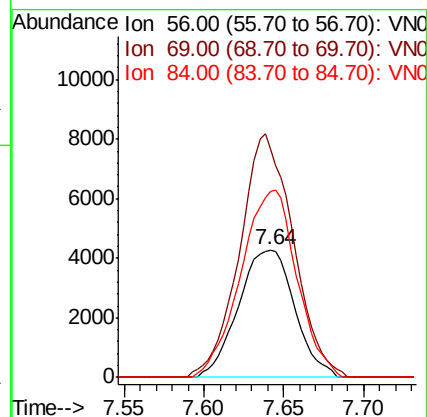
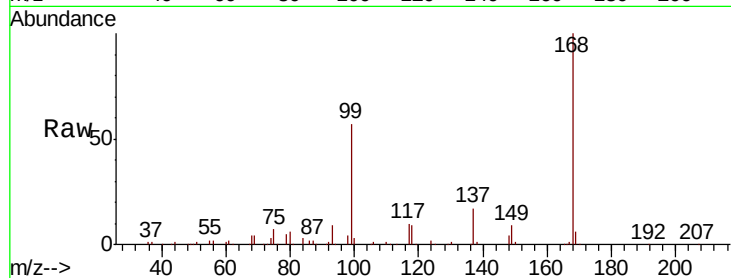
Tot Ion: 56 Resp: 10277

Ion Ratio Lower Upper

56 100

69 174.9 25.8 38.8#

84 145.7 65.0 97.4#



#33

1,2-Dichloroethane-d4

Concen: 51.603 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059131.D

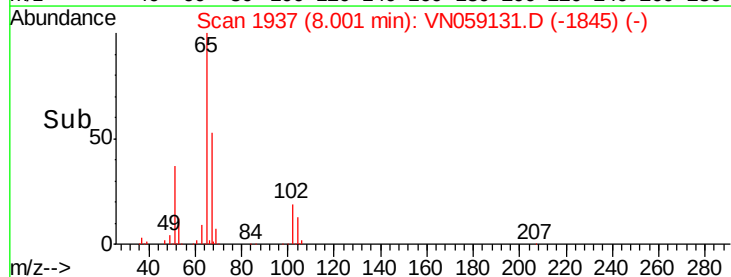
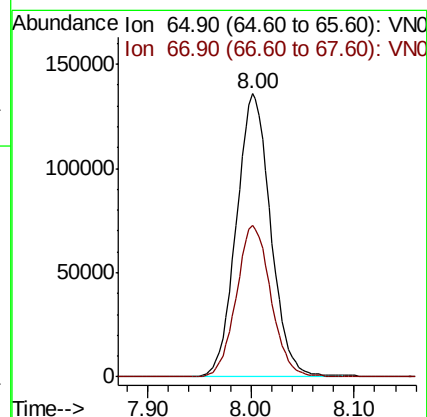
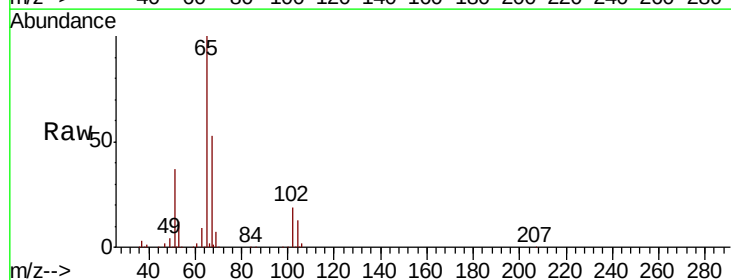
Acq: 8 Nov 2019 9:25

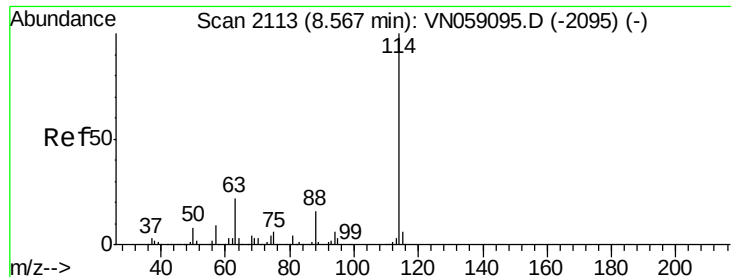
Tgt Ion: 65 Resp: 314316

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.4

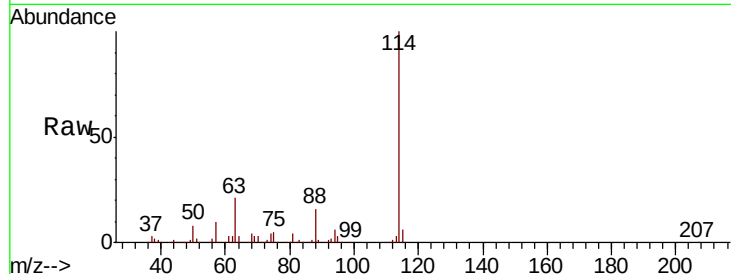




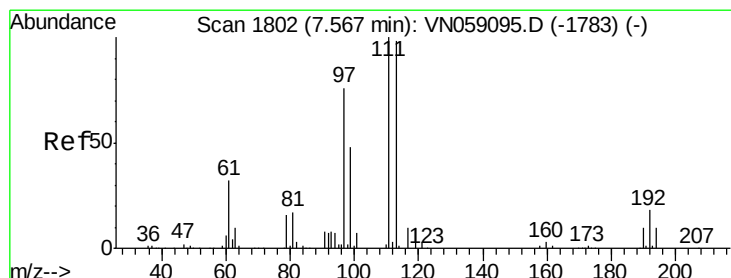
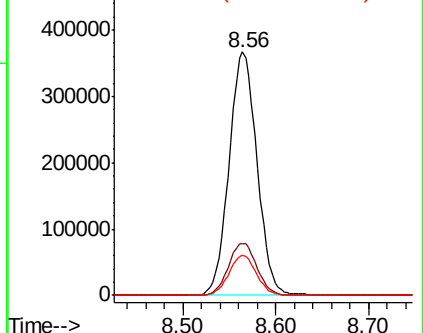
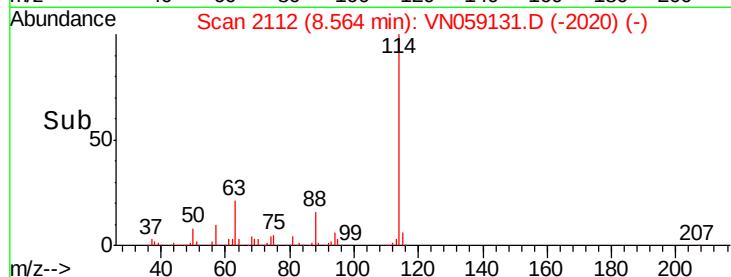
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059131.D
 Acq: 8 Nov 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.4
88	16.2	0.0	32.2

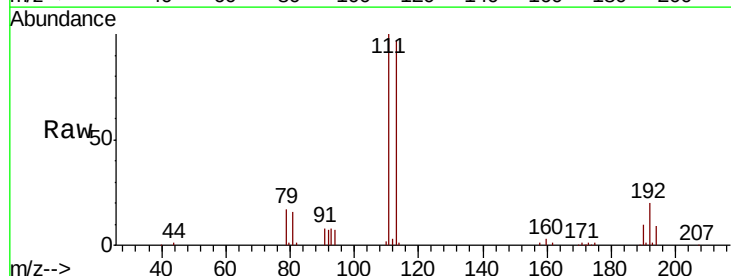


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

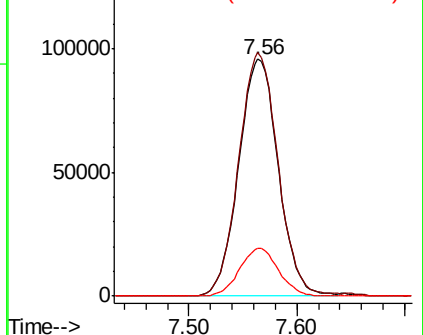
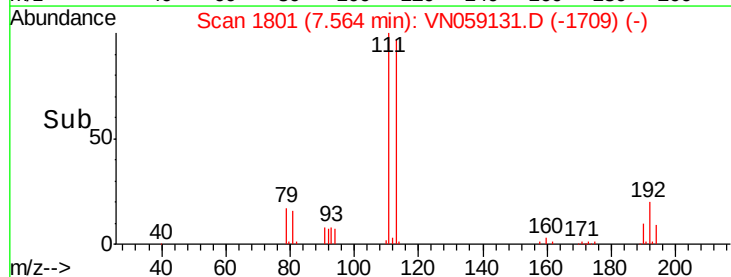


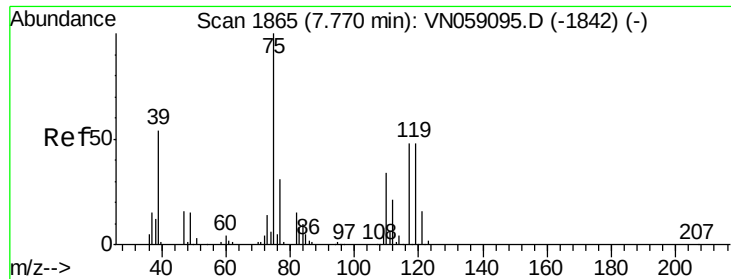
#35
 Dibromofluoromethane
 Concen: 53.454 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059131.D
 Acq: 8 Nov 2019 9:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	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

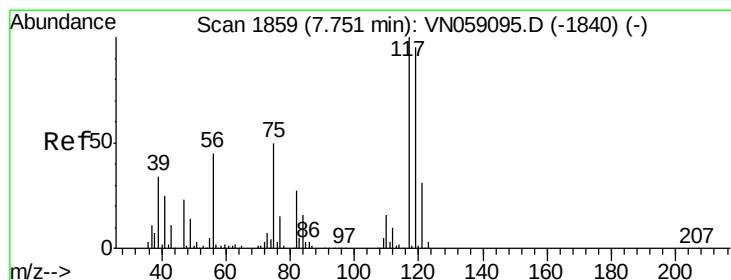
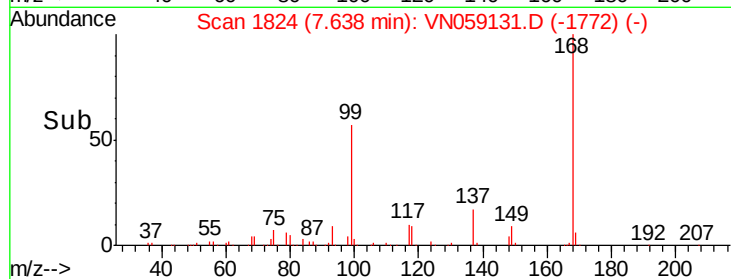
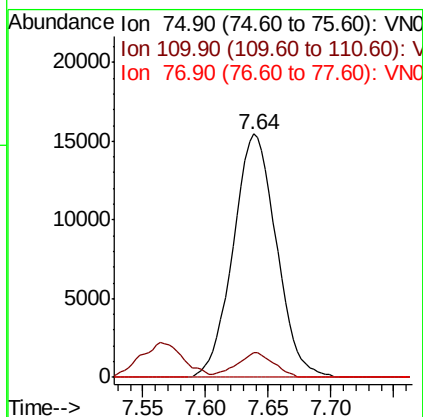
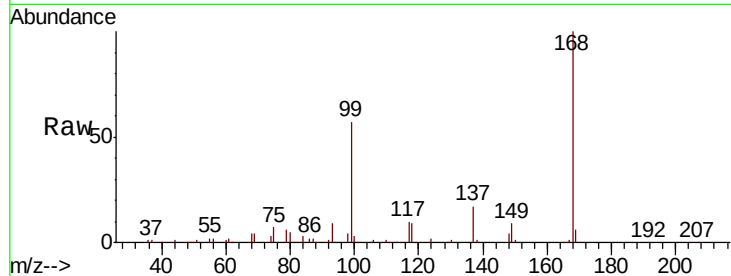




#36
 1,1-Dichloropropene
 Concen: 5.165 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059131.D
 Acq: 8 Nov 2019 9:25

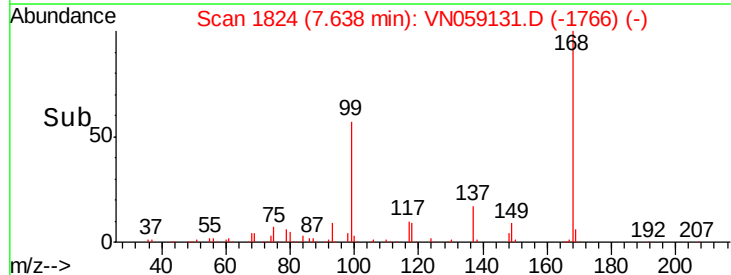
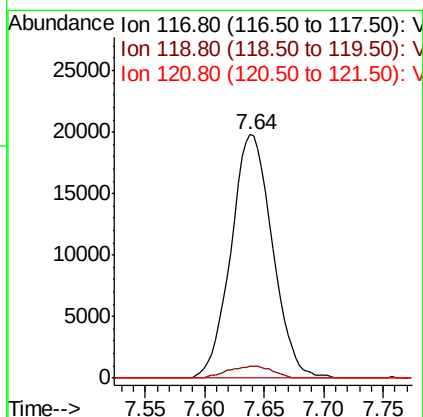
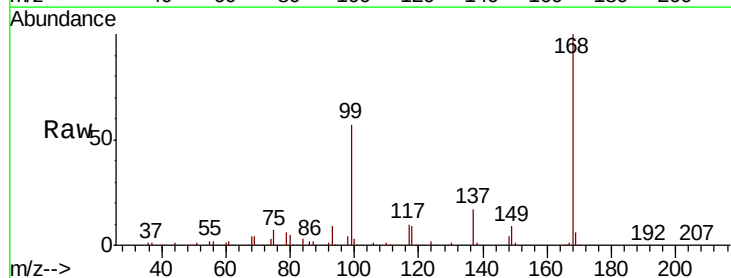
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBL01

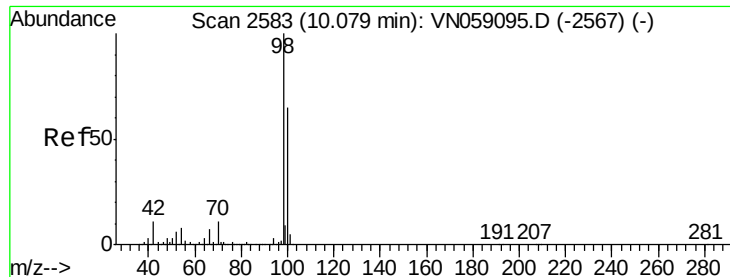
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.686 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN059131.D
 Acq: 8 Nov 2019 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 53.067 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

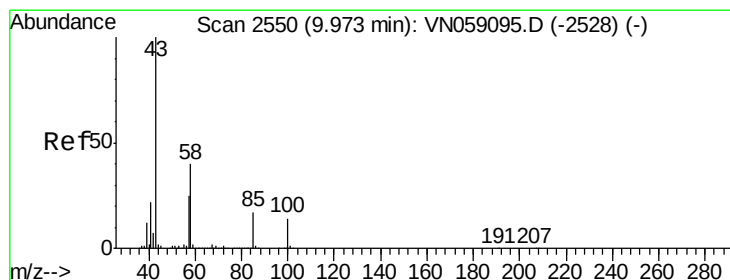
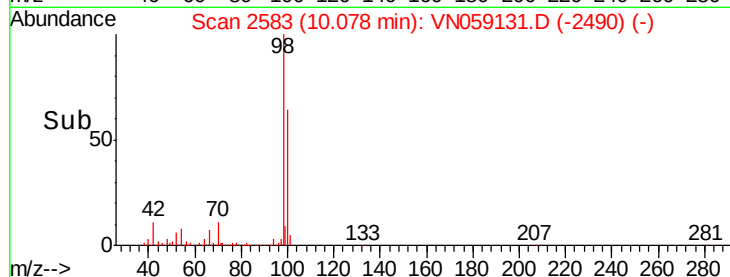
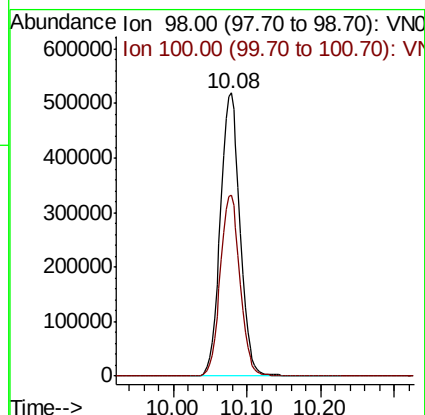
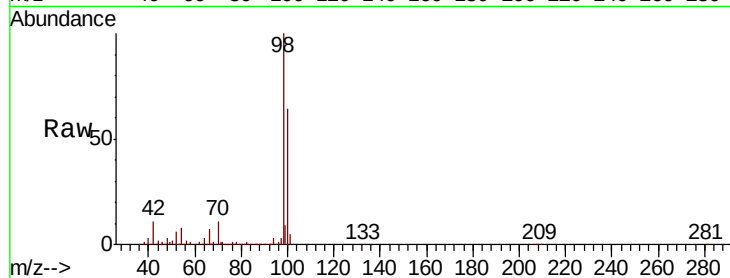
VN1108MBL01

Tot Ion: 98 Resp: 957916

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VN059131.D

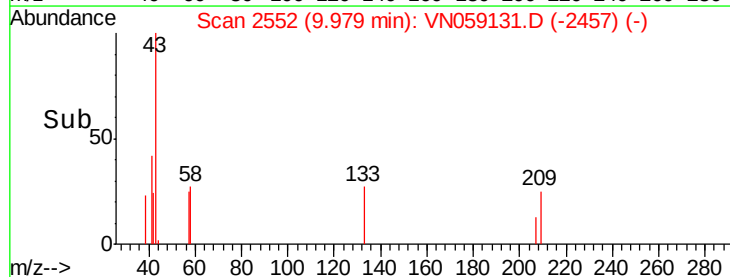
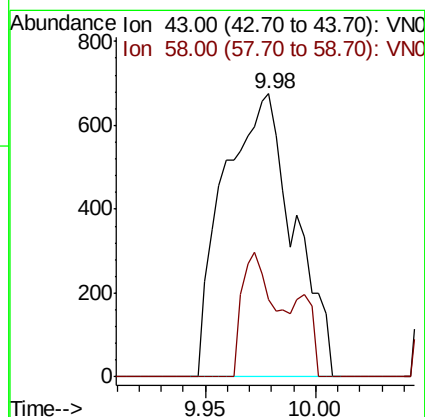
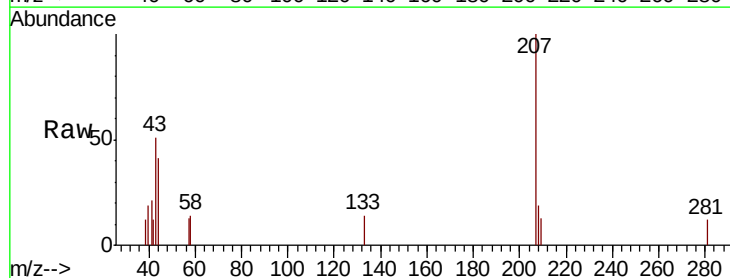
Acq: 8 Nov 2019 9:25

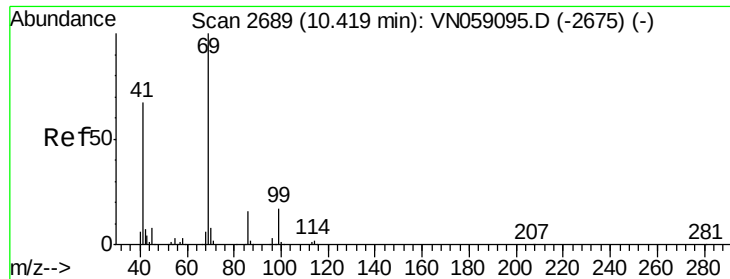
Tgt Ion: 43 Resp: 1488

Ion Ratio Lower Upper

43 100

58 21.5 31.5 47.3#





#56

Ethyl methacrylate

Concen: 1.880 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.01 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBL01

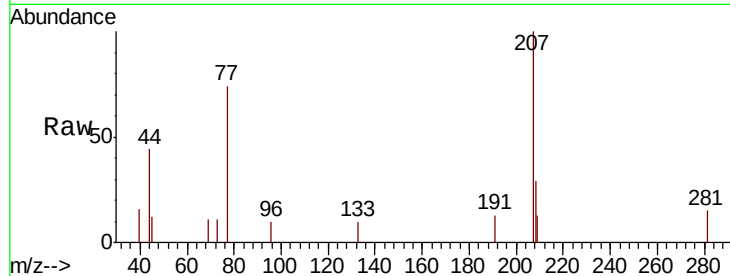
Tot Ion: 69 Resp: 61

Ion Ratio Lower Upper

69 100

41 345.9 53.6 80.4#

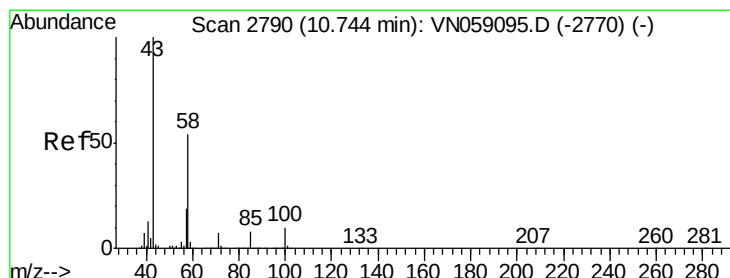
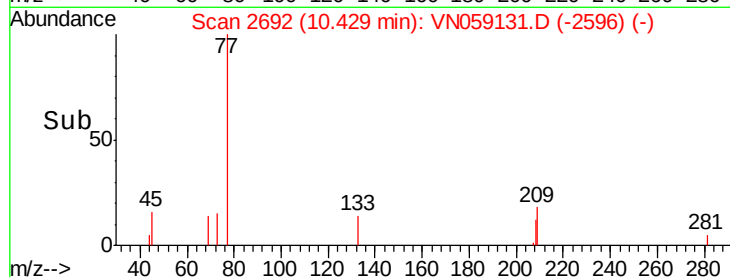
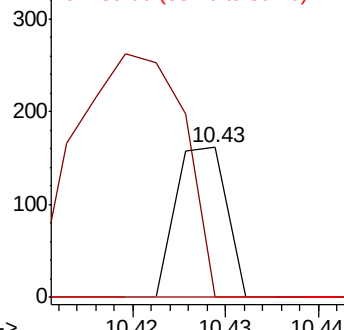
39 0.0 26.2 39.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 0.354 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN059131.D

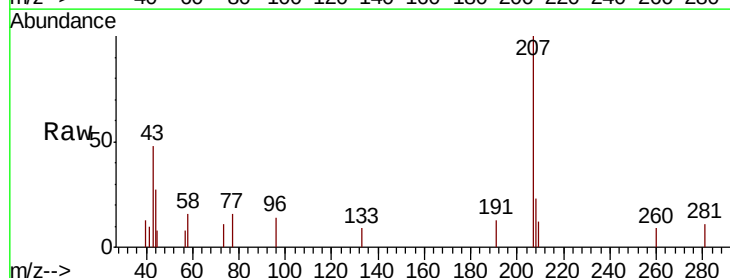
Acq: 8 Nov 2019 9:25

Tgt Ion: 43 Resp: 1955

Ion Ratio Lower Upper

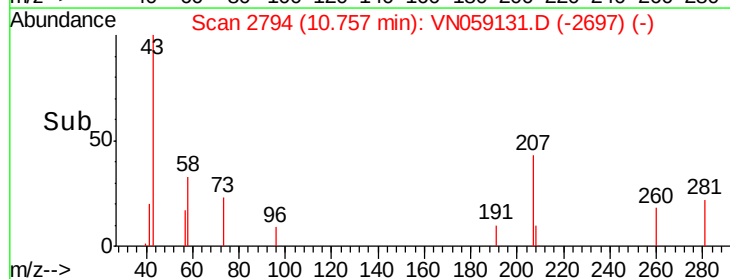
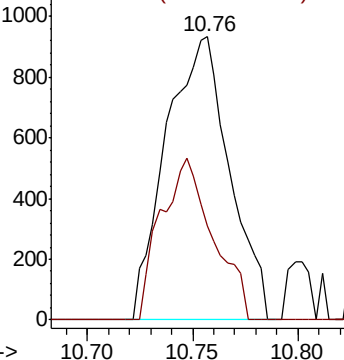
43 100

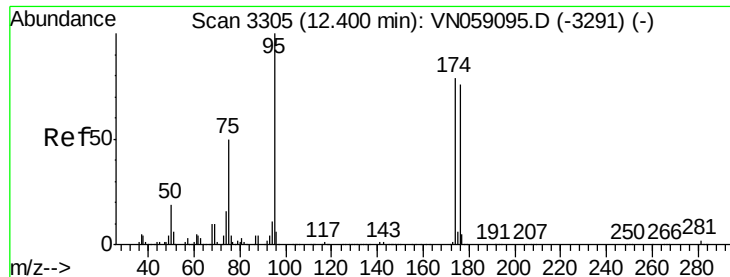
58 46.8 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

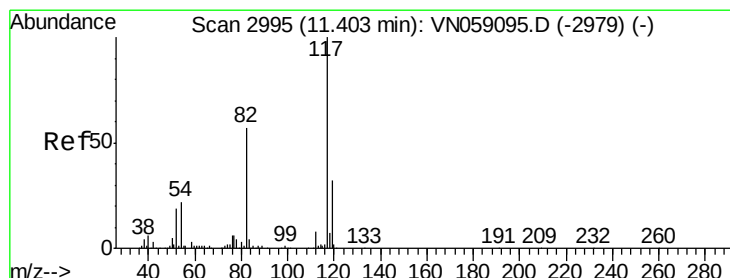
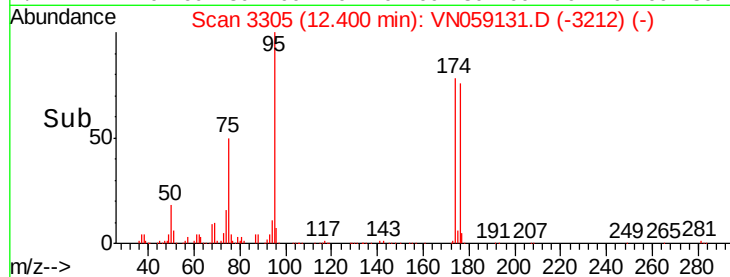
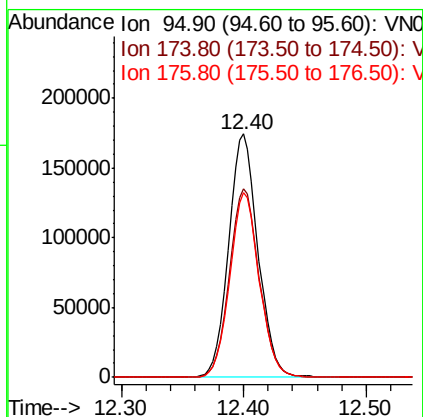
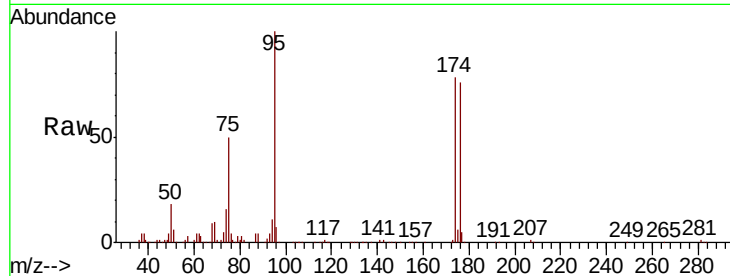




#62
4-Bromofluorobenzene
Concen: 44.960 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059131.D
Acq: 8 Nov 2019 9:25

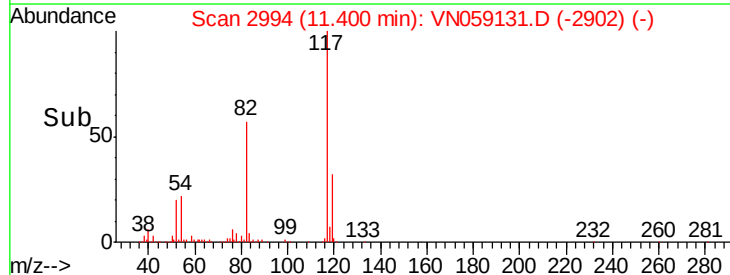
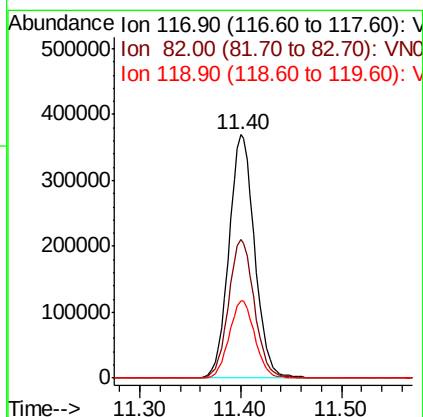
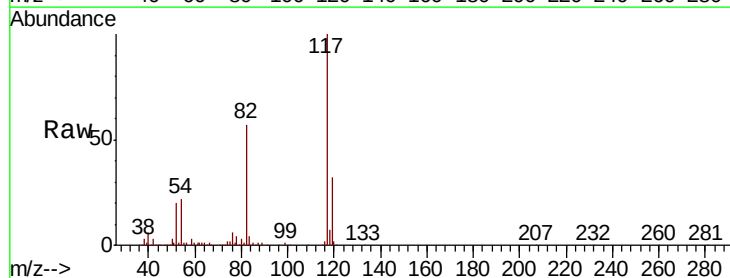
Instrument :
MSVOA_N
ClientSampleId :
VN1108MBL01

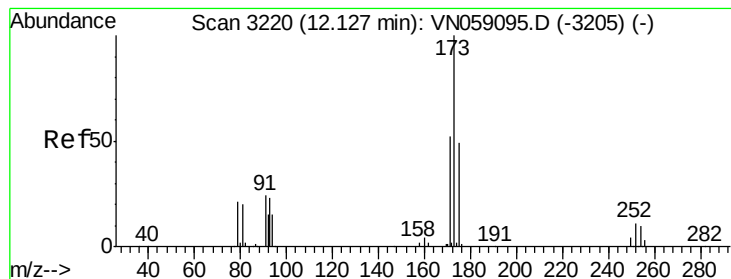
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	158.2
176	76.4	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059131.D
Acq: 8 Nov 2019 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.8
119	31.8	25.8	38.6





#71

Bromoform

Concen: 0.421 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VN1108MBL01

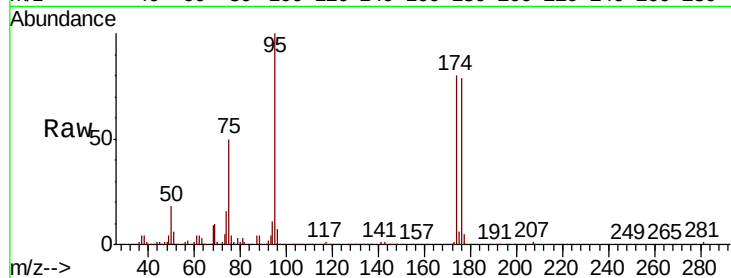
Tot Ion:173 Resp: 1567

Ion Ratio Lower Upper

173 100

175 933.0 24.2 72.6#

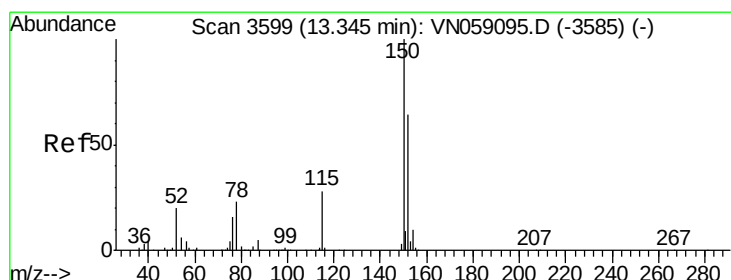
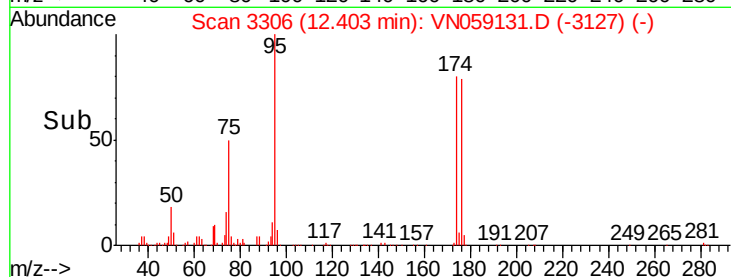
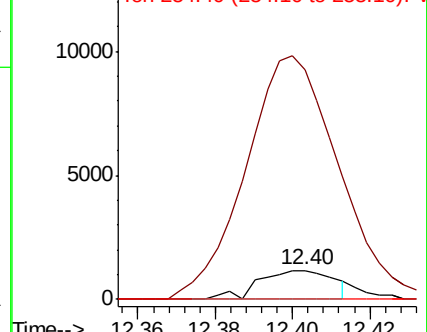
254 0.0 0.1 0.1#



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: VN059131.D

Acq: 8 Nov 2019 9:25

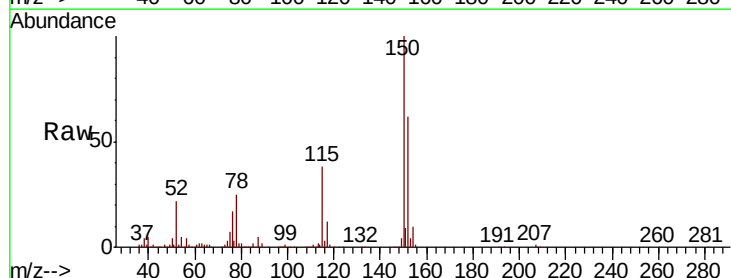
Tgt Ion:152 Resp: 226857

Ion Ratio Lower Upper

152 100

115 60.2 29.4 88.2

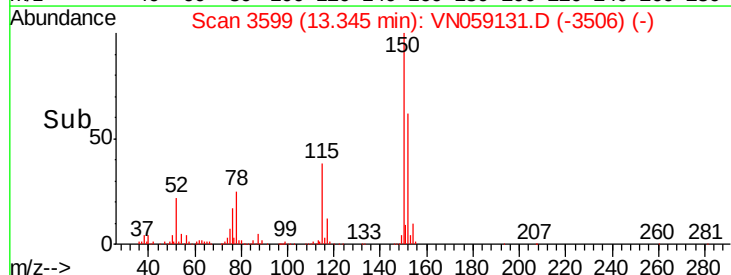
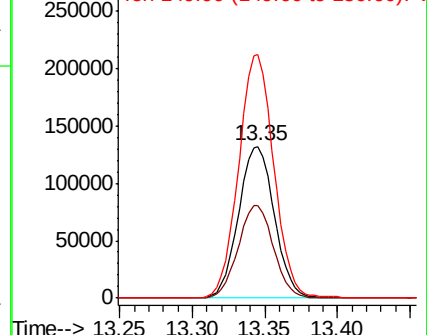
150 158.3 0.0 345.8

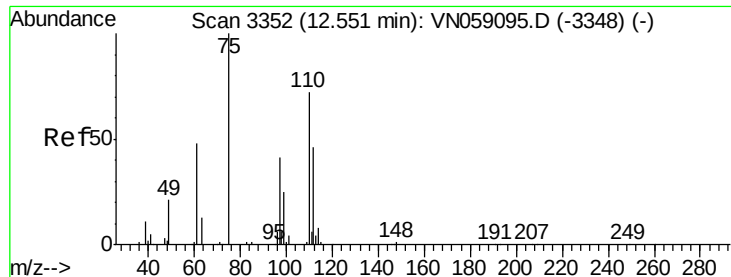


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.301 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

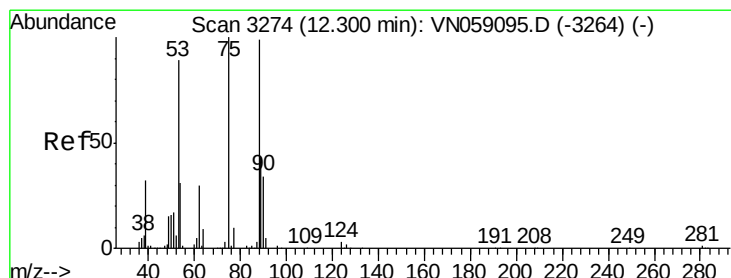
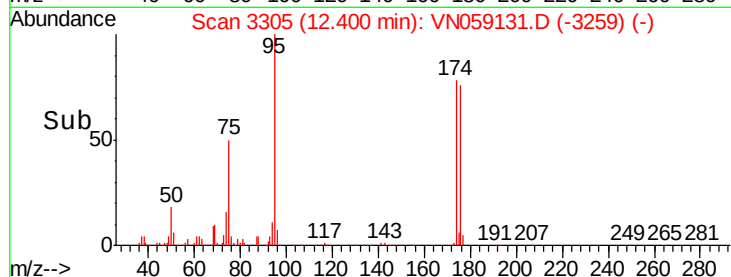
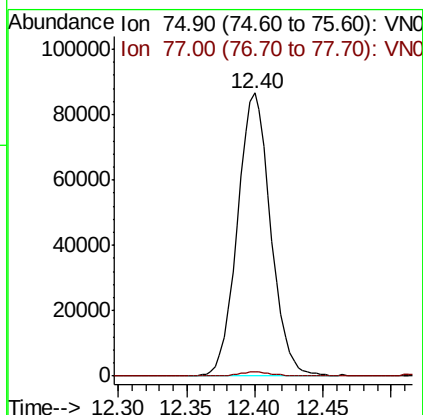
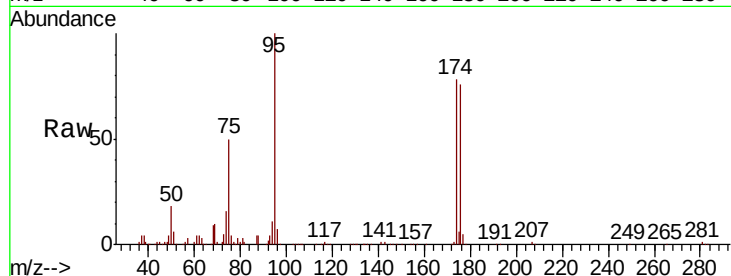
VN1108MBL01

Tot Ion: 75 Resp: 146170

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.752 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

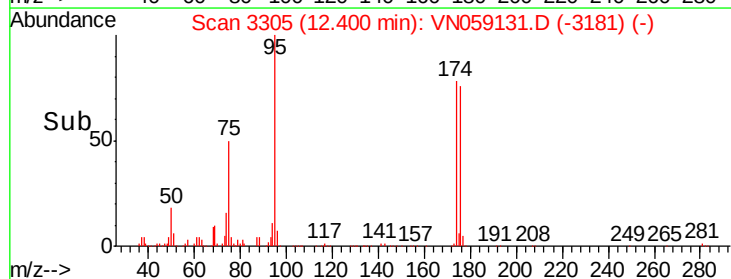
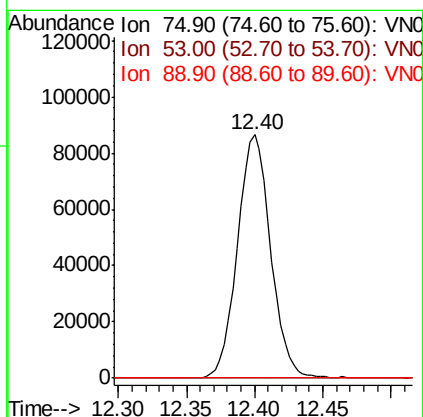
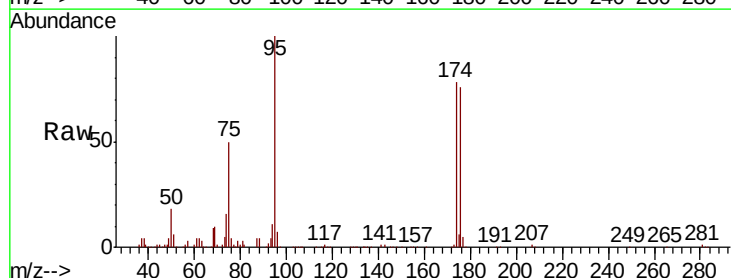
Tgt Ion: 75 Resp: 146170

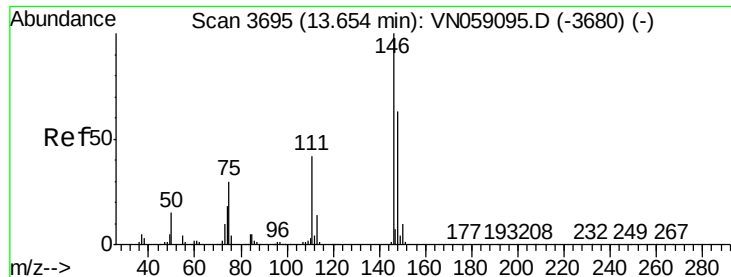
Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#





#91

1,2-Dichlorobenzene

Concen: 0.200 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VN1108MBL01

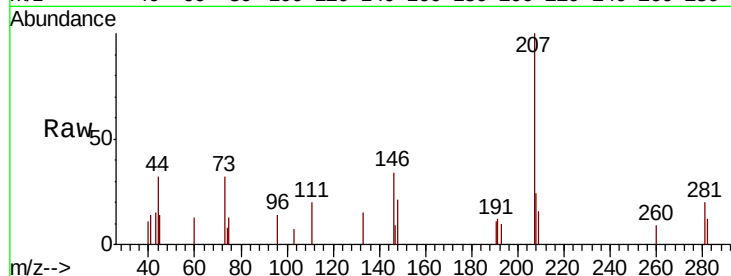
Tot Ion:146 Resp: 1398

Ion Ratio Lower Upper

146 100

111 54.3 21.2 63.6

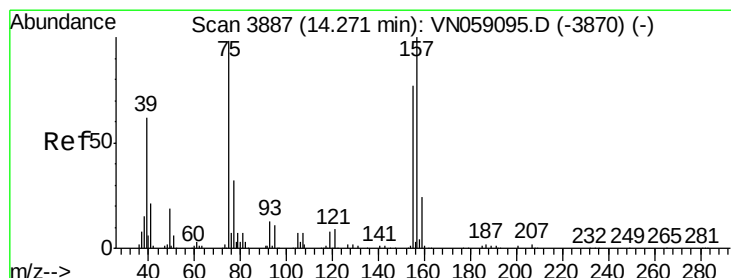
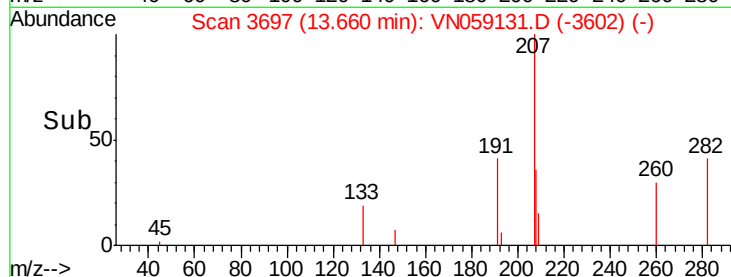
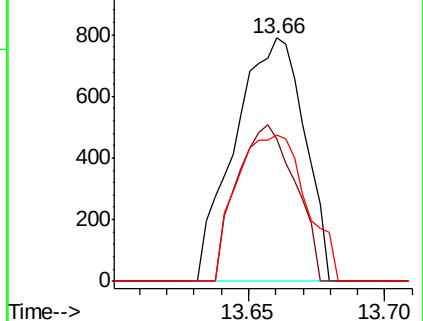
148 60.2 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.488 ug/l

RT: 14.28 min Scan# 3891

Delta R.T. 0.01 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

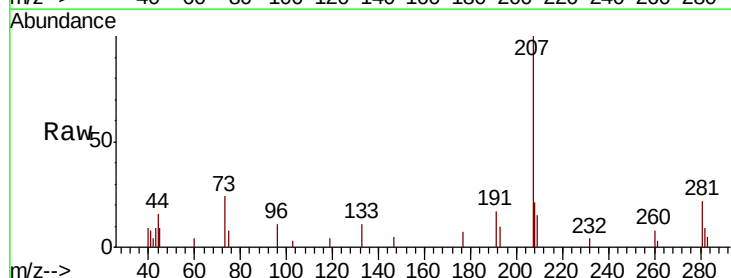
Tgt Ion: 75 Resp: 518

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

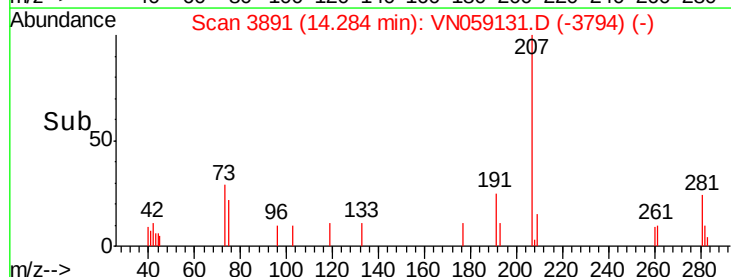
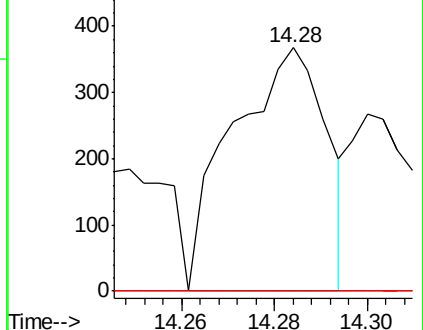
157 0.0 51.8 155.5#

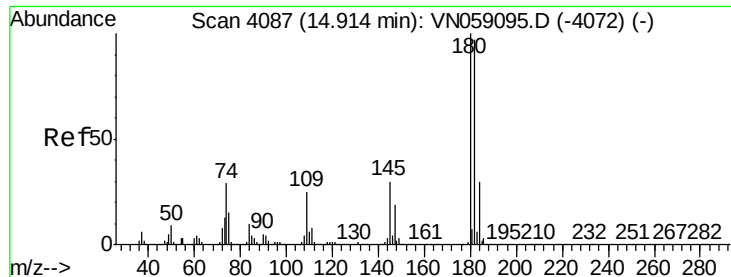


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

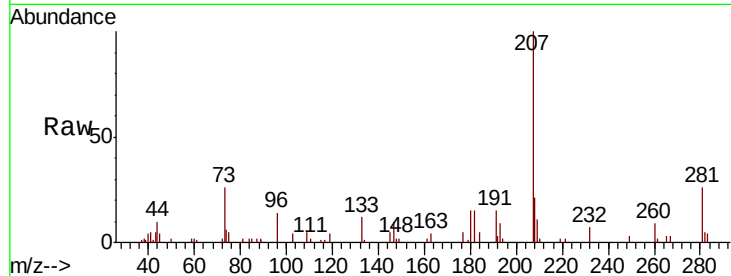




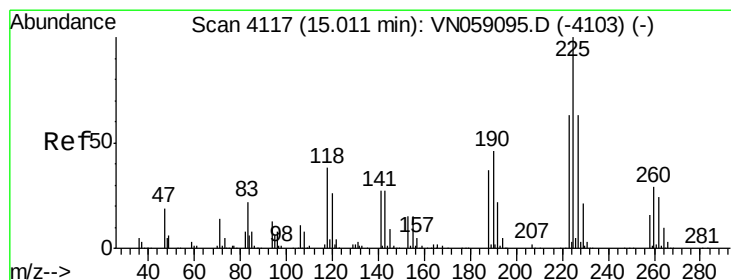
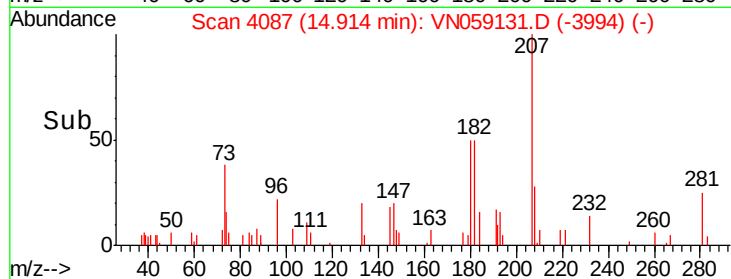
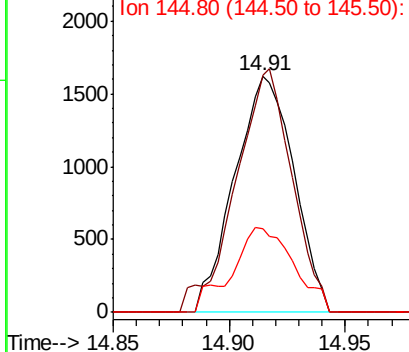
#93
 1,2,4-Trichlorobenzene
 Concen: 3.683 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059131.D
 Acq: 8 Nov 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBL01

Tot Ion:180 Resp: 2872
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.1 144.3
 145 37.5 15.1 45.3

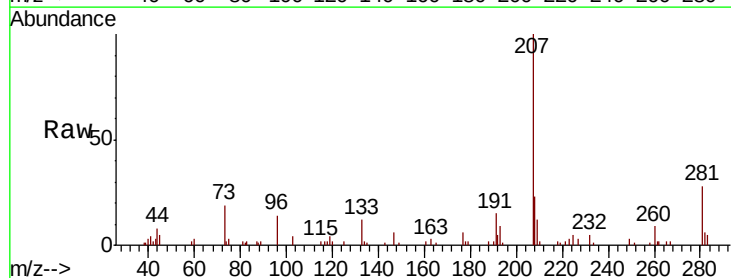


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

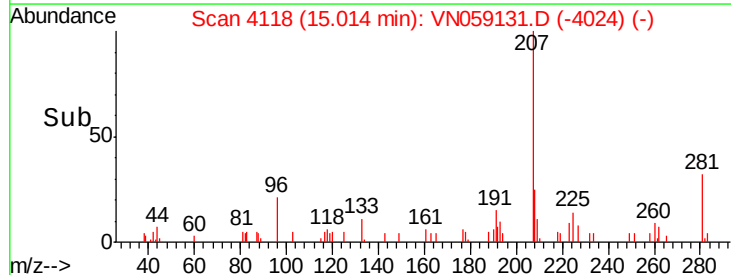
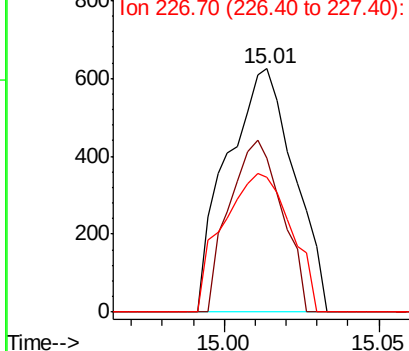


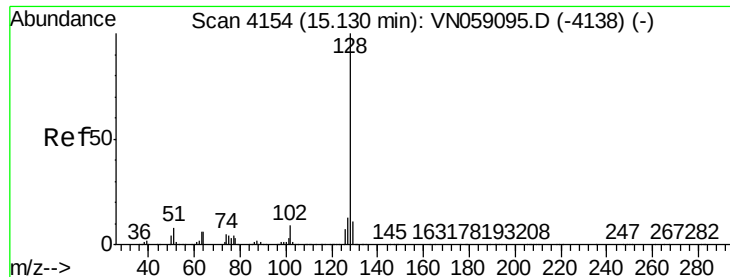
#94
 Hexachlorobutadiene
 Concen: 0.392 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059131.D
 Acq: 8 Nov 2019 9:25

Tgt Ion:225 Resp: 944
 Ion Ratio Lower Upper
 225 100
 223 55.5 31.3 93.9
 227 57.5 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: 3.976 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBL01

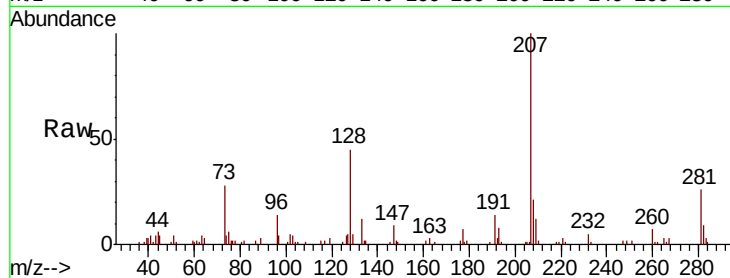
Tot Ion:128 Resp: 11661

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

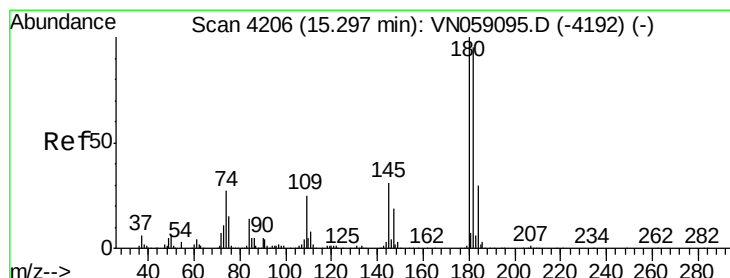
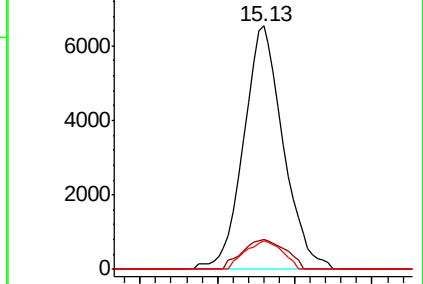
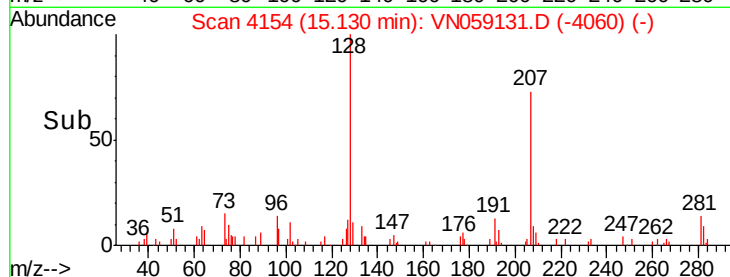
129 10.9 8.6 12.8



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: 1.128 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059131.D

Acq: 8 Nov 2019 9:25

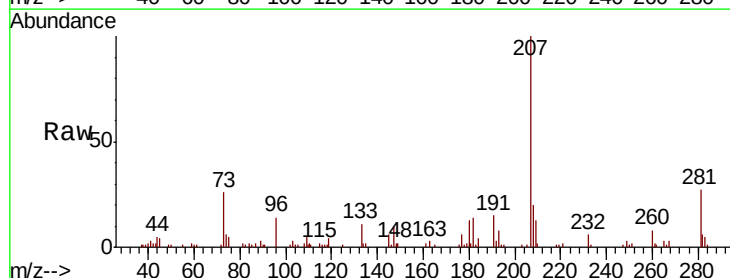
Tgt Ion:180 Resp: 4414

Ion Ratio Lower Upper

180 100

182 98.9 47.3 141.8

145 41.0 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

