

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059598.D
 Acq On : 16 Dec 2019 13:01
 Operator : JC/SP
 Sample : VN1216WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBL01

Quant Time: Dec 17 04:46:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	259158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	412086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	365292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143459	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	180647	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
35) Dibromofluoromethane	7.57	113	126977	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	10.08	98	505777	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	168640	45.27	ug/l	0.00
Spiked Amount			Recovery	=	90.54%	

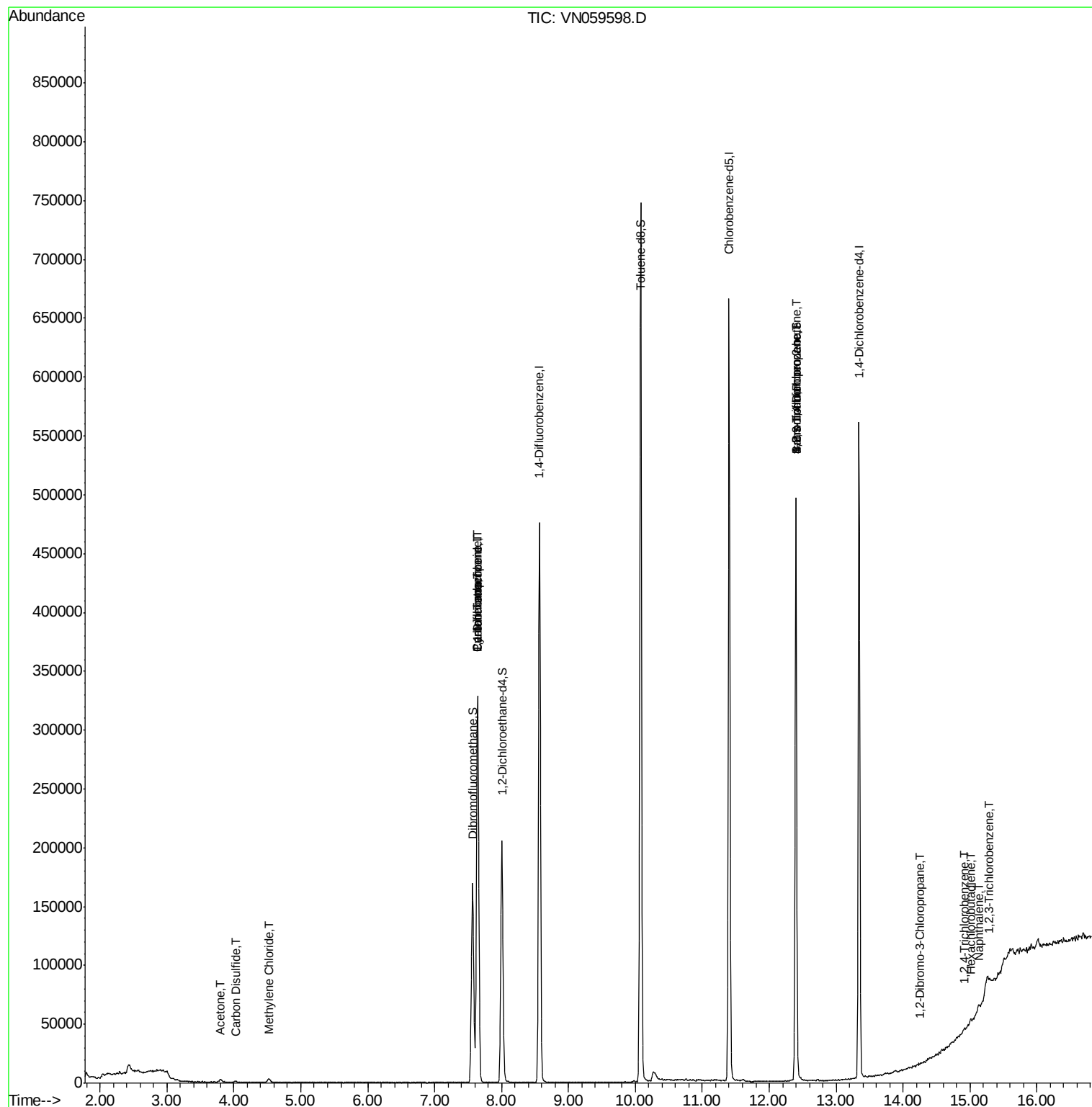
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	3590	1.603	ug/l	98
17) Carbon Disulfide	4.02	76	1859	2.067	ug/l #	75
20) Methylene Chloride	4.52	84	2126	0.657	ug/l #	88
31) Cyclohexane	7.64	56	5985	1.087	ug/l #	6
36) 1,1-Dichloropropene	7.64	75	21759	5.063	ug/l #	50
38) Carbon Tetrachloride	7.64	117	26190	5.873	ug/l #	16
71) Bromoform	12.40	173	1122	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	89866	25.304	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	89866	62.499	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	182	1.801	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	710	0.219	ug/l	91
94) Hexachlorobutadiene	15.00	225	240	1.803	ug/l #	34
95) Naphthalene	15.13	128	3081	0.318	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.29	180	1043	0.318	ug/l #	75

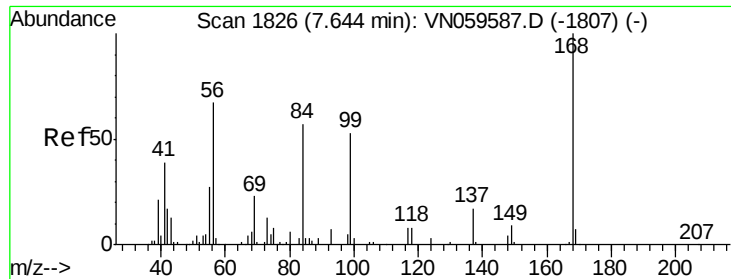
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 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: VN059598.D

Acq: 16 Dec 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

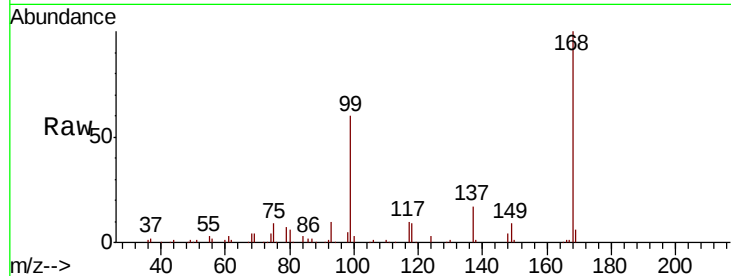
VN1216WBL01

Tgt Ion:168 Resp: 259158

Ion Ratio Lower Upper

168 100

99 59.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059598.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059598.D (-1733) (-)

7.64

120000

100000

80000

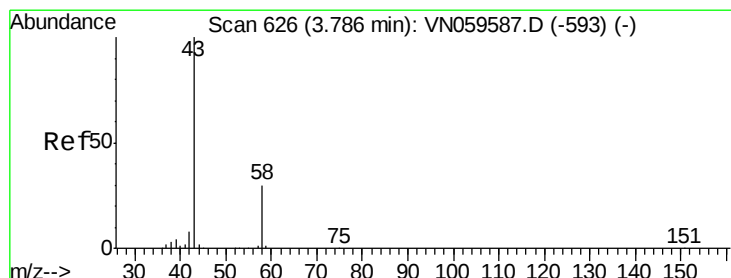
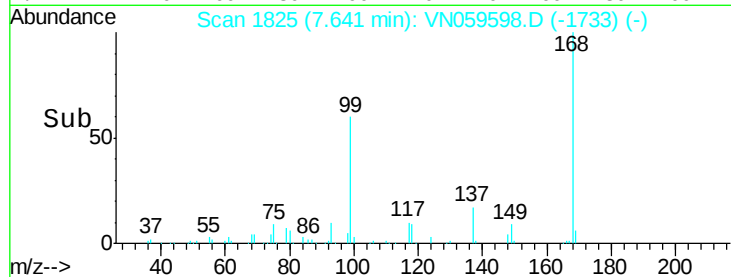
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 1.603 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059598.D

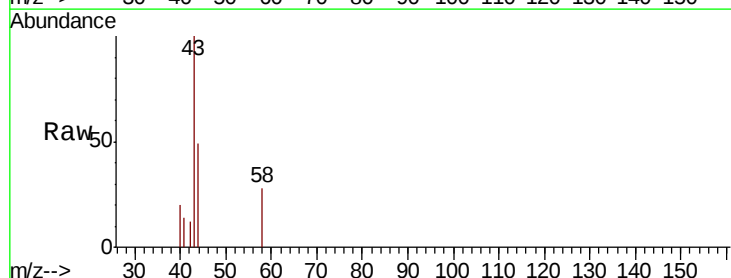
Acq: 16 Dec 2019 13:01

Tgt Ion: 43 Resp: 3590

Ion Ratio Lower Upper

43 100

58 28.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059598.D (-533) (-)

Ion 58.00 (57.70 to 58.70): VN059598.D (-533) (-)

3.80

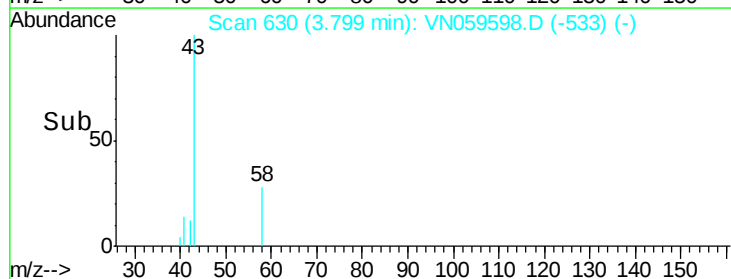
1500

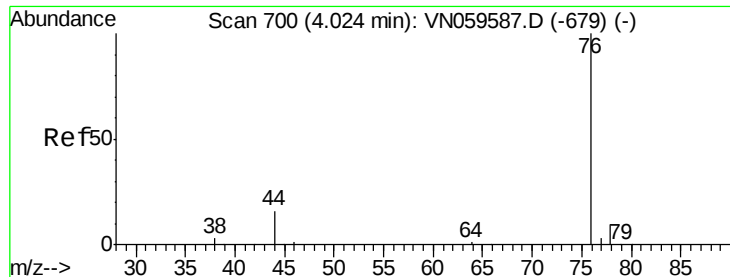
1000

500

0

Time-->





#17

Carbon Disulfide

Concen: 2.067 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059598.D

Acq: 16 Dec 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

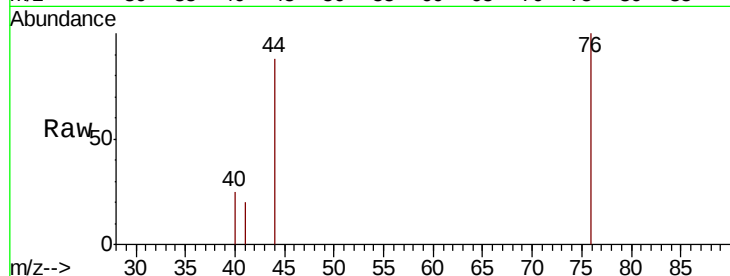
VN1216WBL01

Tgt Ion: 76 Resp: 1859

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.02

800

600

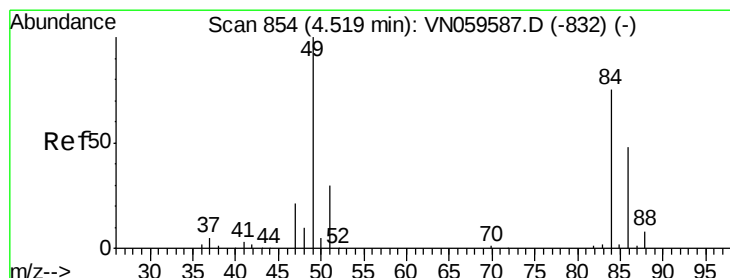
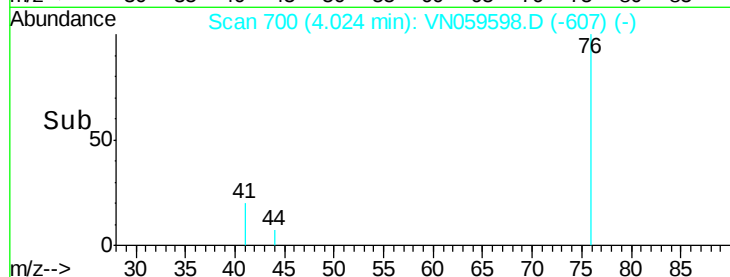
400

200

0

4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 0.657 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059598.D

Acq: 16 Dec 2019 13:01

Tgt Ion: 84 Resp: 2126

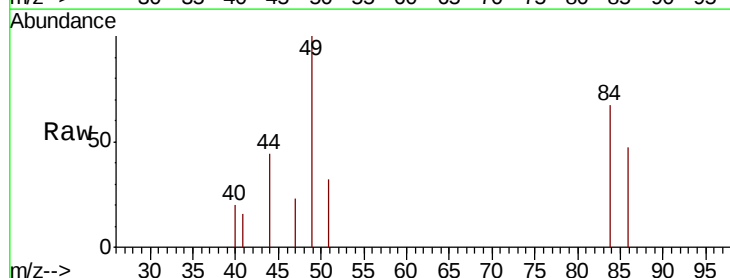
Ion Ratio Lower Upper

84 100

49 149.1 106.6 160.0

51 48.4 31.9 47.9#

86 69.7 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

1500

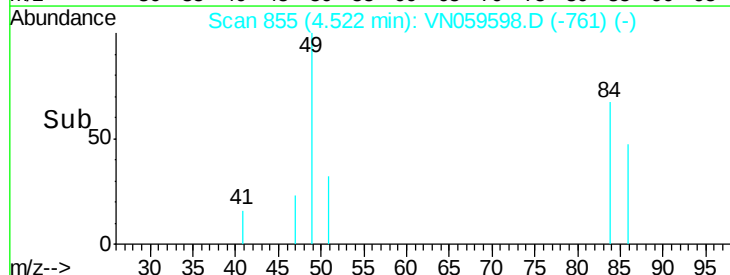
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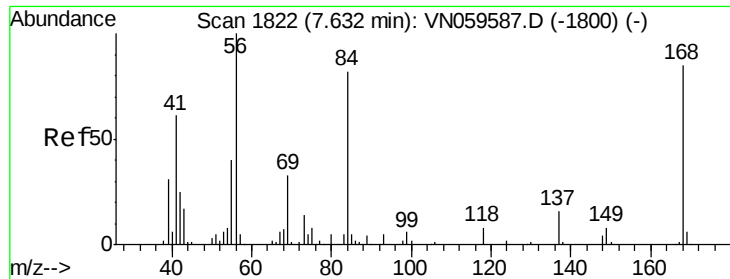
500

0

4.45 4.50 4.55 4.60

Time-->

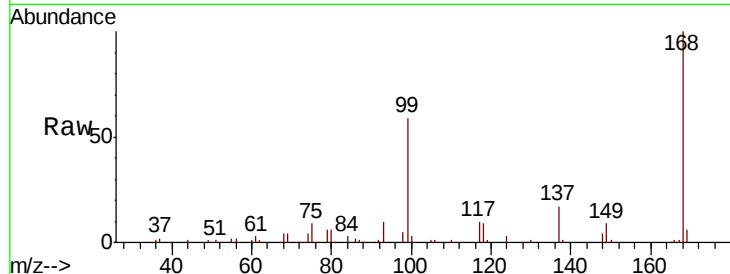




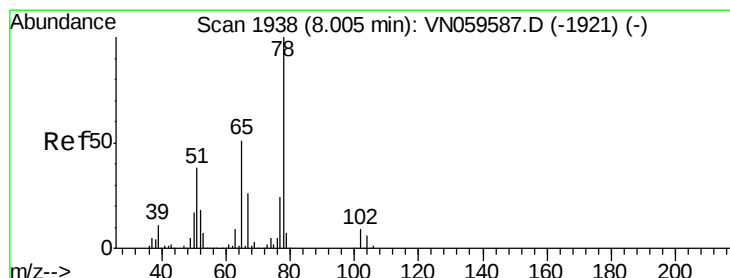
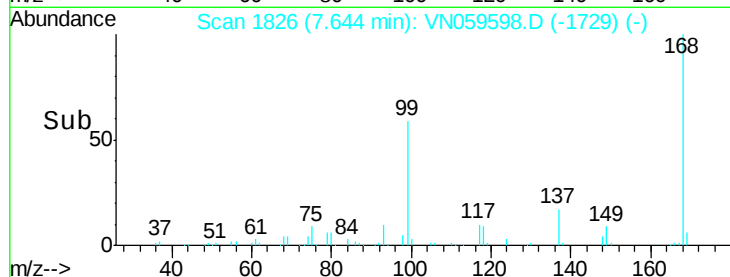
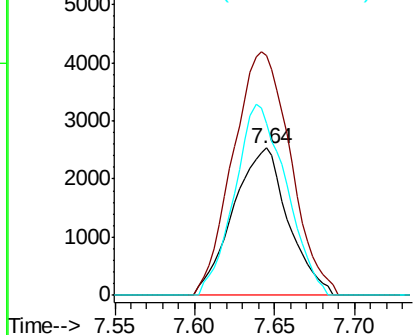
#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059598.D
Acq: 16 Dec 2019 13:01

Instrument :
MSVOA_N
ClientSampled :
VN1216WBL01

Tgt Ion: 56 Resp: 5985
Ion Ratio Lower Upper
56 100
69 162.7 26.5 39.7#
84 116.9 65.3 97.9#

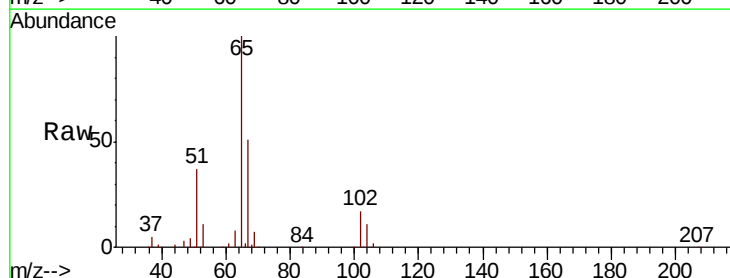


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

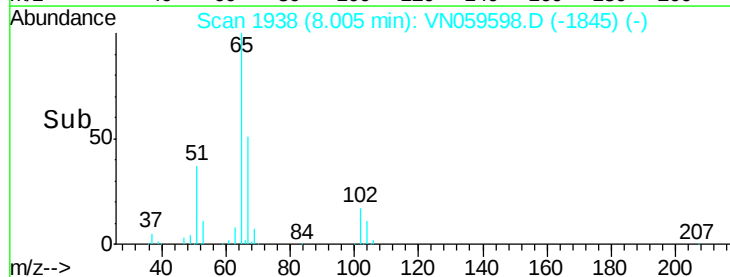
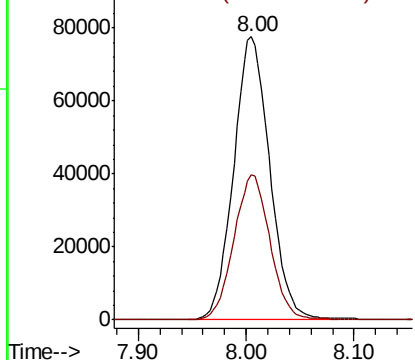


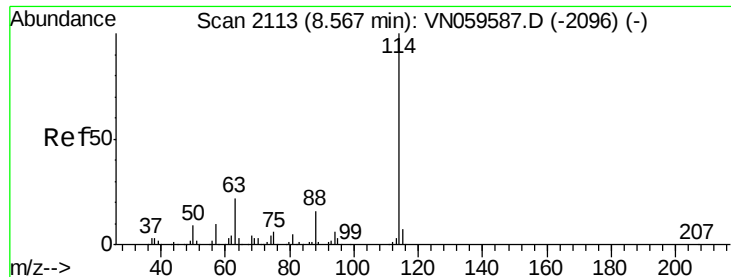
#33
1,2-Dichloroethane-d4
Concen: 47.903 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN059598.D
Acq: 16 Dec 2019 13:01

Tgt Ion: 65 Resp: 180647
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0



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

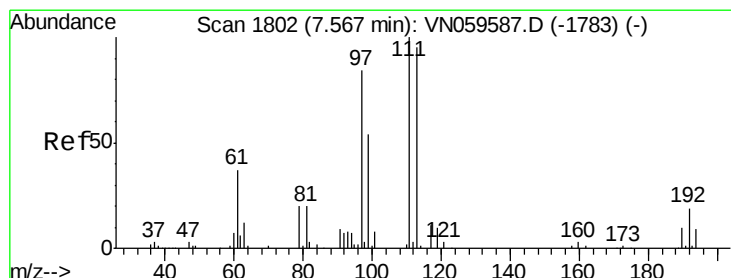
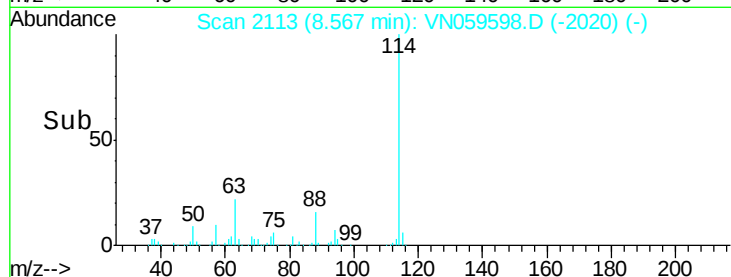
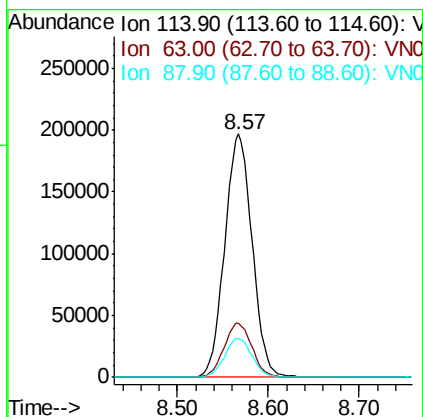
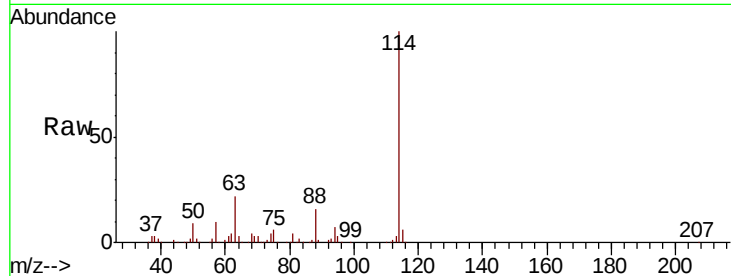




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059598.D
 Acq: 16 Dec 2019 13:01

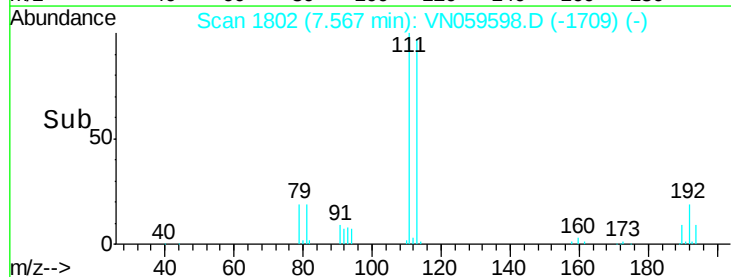
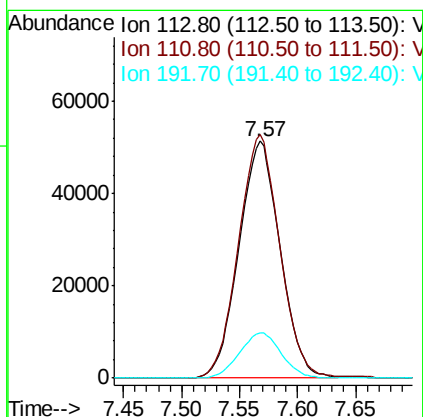
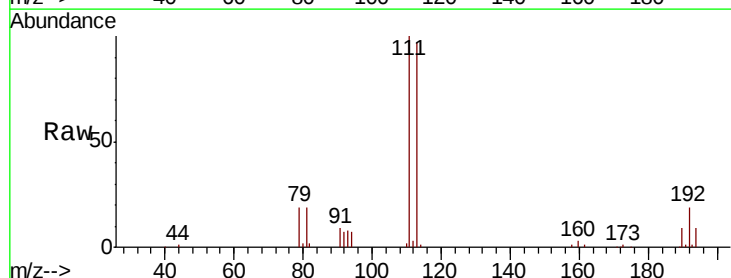
Instrument :
 MSVOA_N
 ClientSampled :
 VN1216WBL01

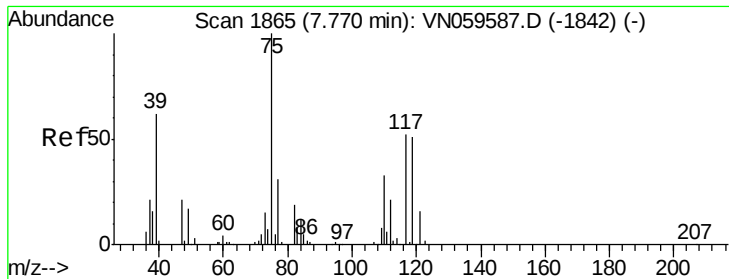
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.6
88	16.1	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 49.247 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059598.D
 Acq: 16 Dec 2019 13:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.5	125.3
192	19.4	15.4	23.2

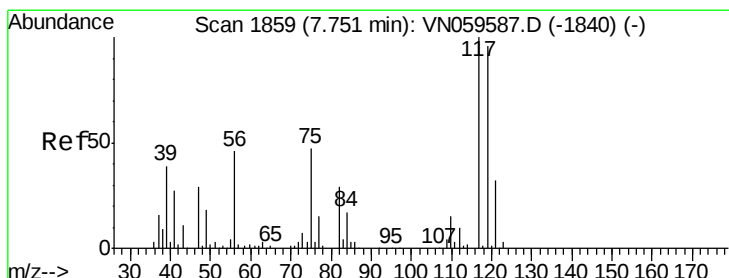
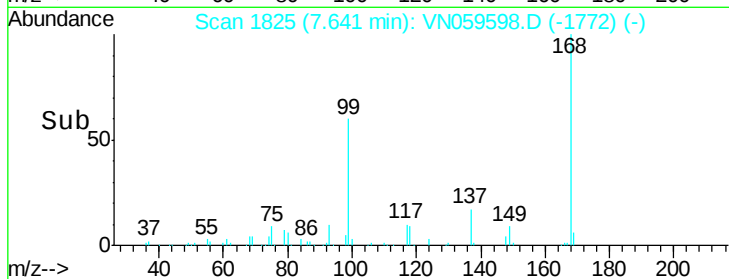
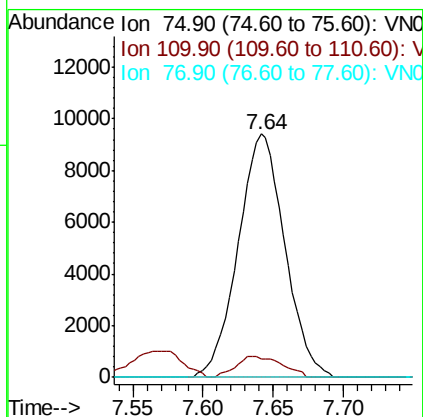
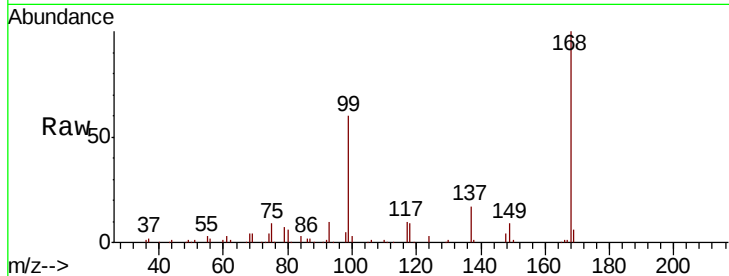




#36
 1,1-Dichloropropene
 Concen: 5.063 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059598.D
 Acq: 16 Dec 2019 13:01

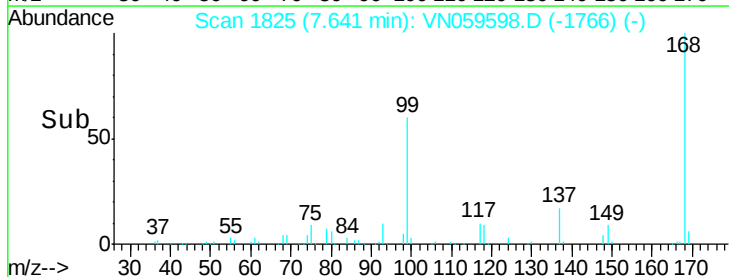
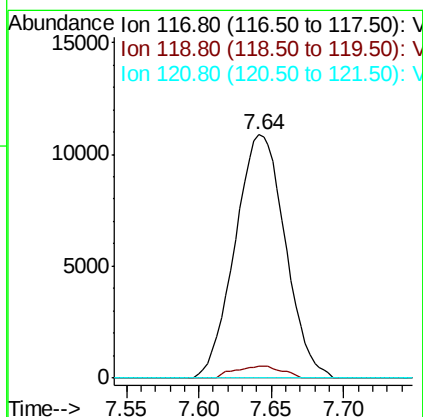
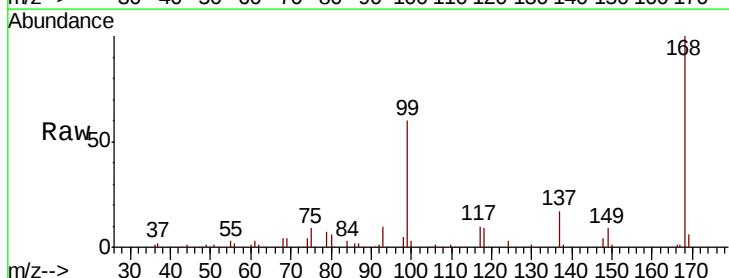
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBL01

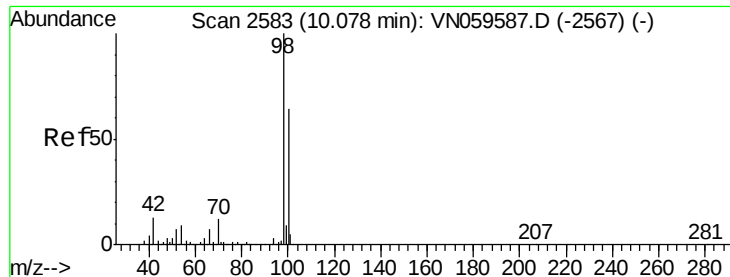
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.873 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059598.D
 Acq: 16 Dec 2019 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.5	114.7#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 49.546 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059598.D

Acq: 16 Dec 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

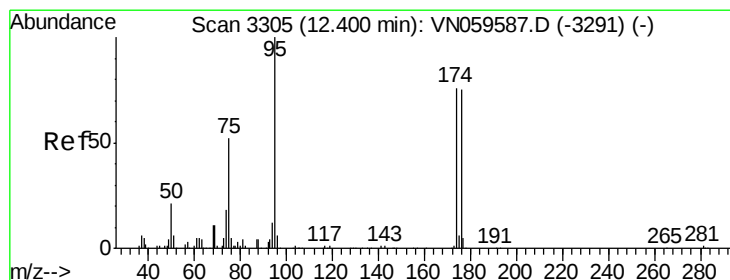
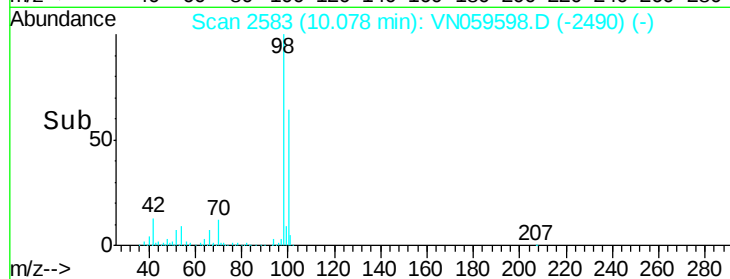
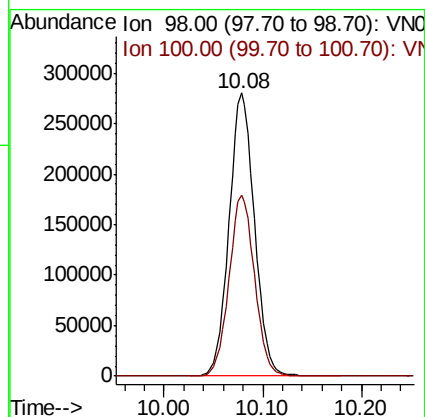
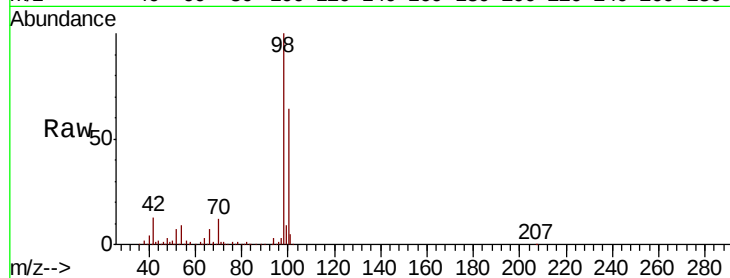
VN1216WBL01

Tgt Ion: 98 Resp: 505777

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 45.274 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059598.D

Acq: 16 Dec 2019 13:01

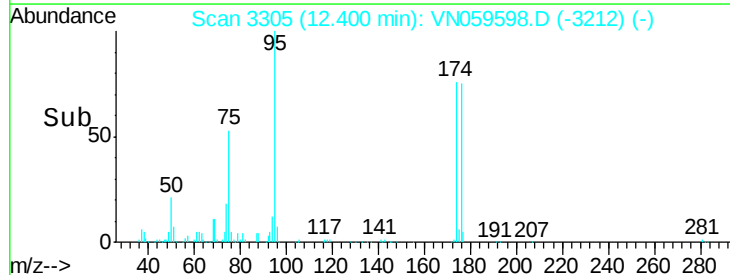
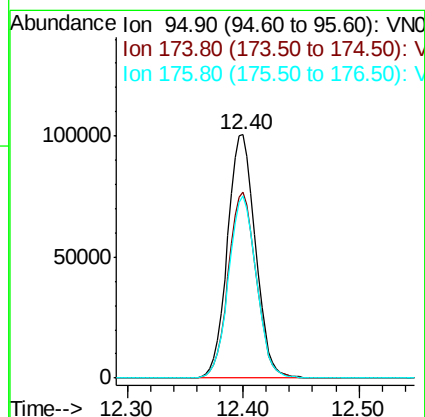
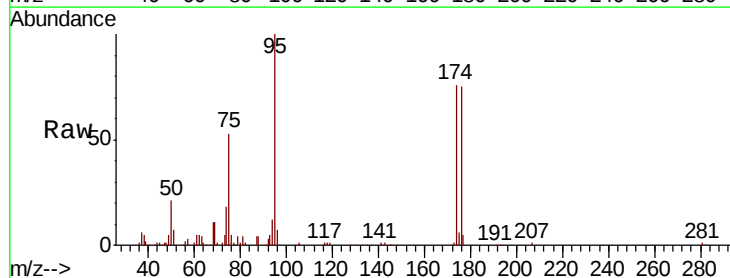
Tgt Ion: 95 Resp: 168640

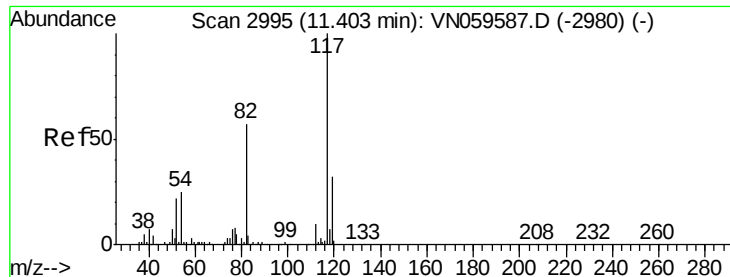
Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.4

176 73.9 0.0 146.0

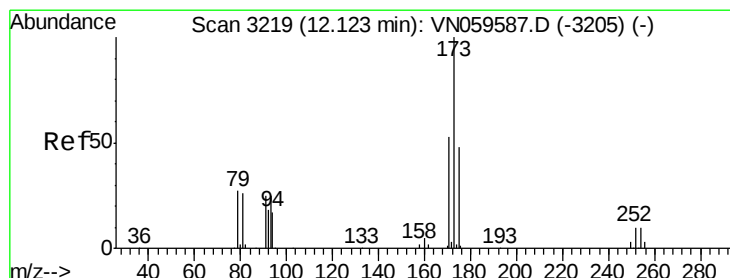
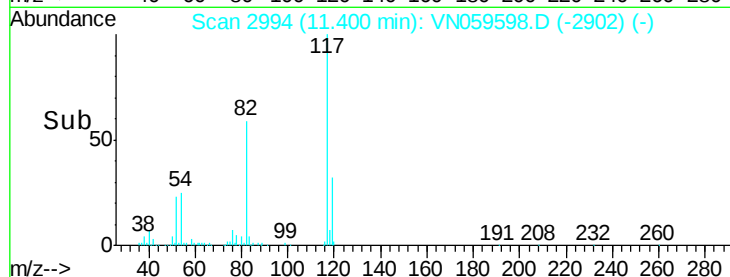
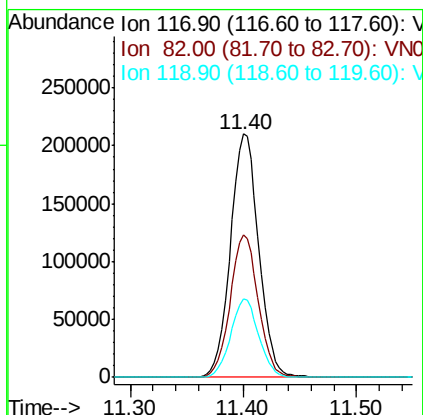
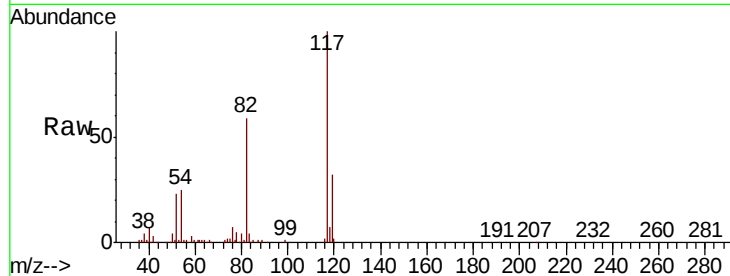




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059598.D
Acq: 16 Dec 2019 13:01

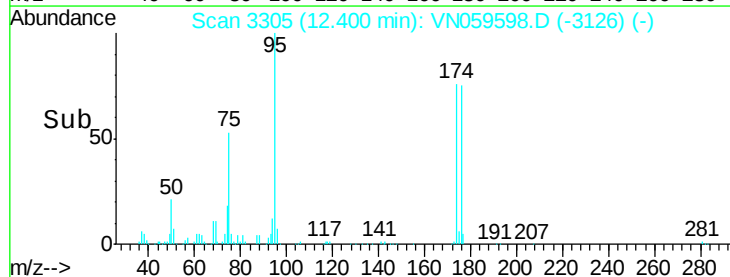
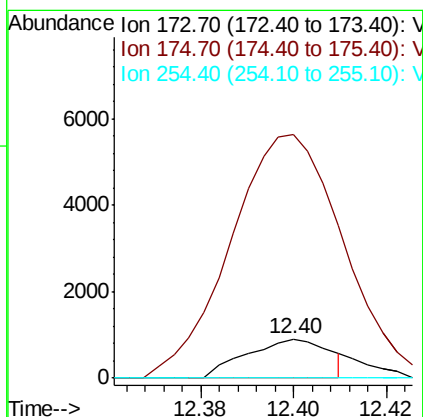
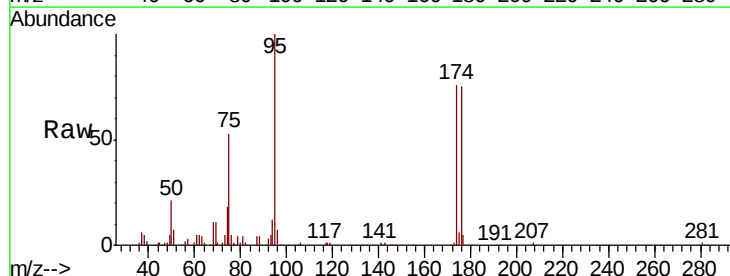
Instrument :
MSVOA_N
ClientSampled :
VN1216WBL01

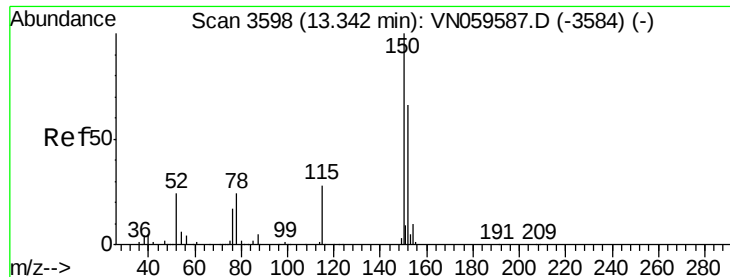
Tgt Ion:117 Resp: 365292
Ion Ratio Lower Upper
117 100
82 58.5 45.9 68.9
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.497 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN059598.D
Acq: 16 Dec 2019 13:01

Tgt Ion:173 Resp: 1122
Ion Ratio Lower Upper
173 100
175 738.7 23.8 71.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059598.D

Acq: 16 Dec 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBL01

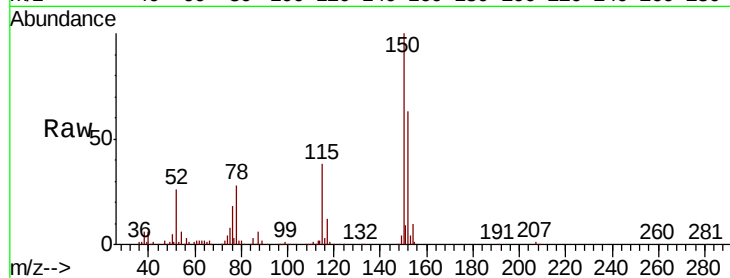
Tgt Ion:152 Resp: 143459

Ion Ratio Lower Upper

152 100

115 61.9 30.3 90.9

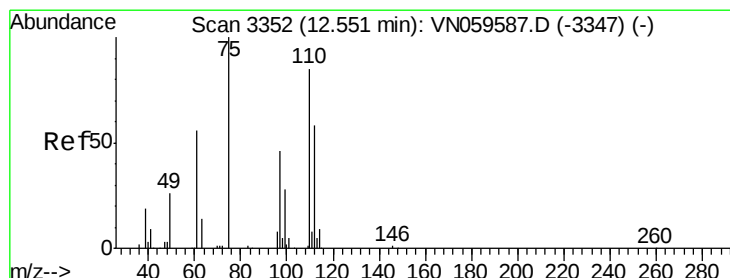
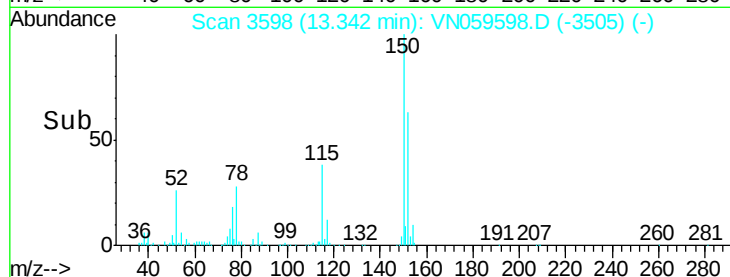
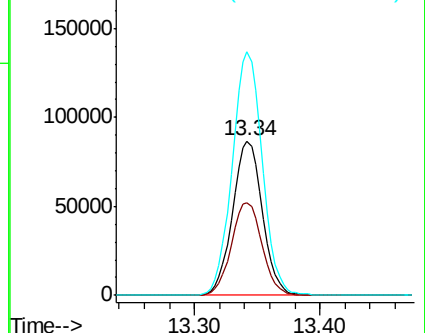
150 158.7 0.0 345.2



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: 25.304 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059598.D

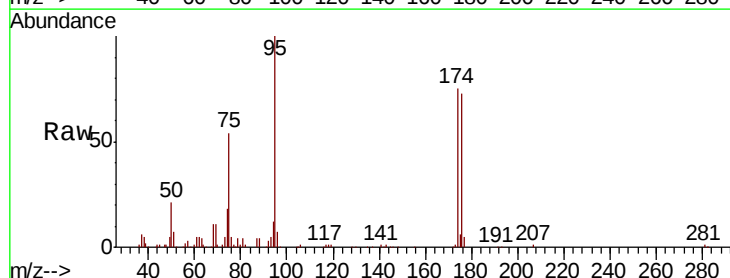
Acq: 16 Dec 2019 13:01

Tgt Ion: 75 Resp: 89866

Ion Ratio Lower Upper

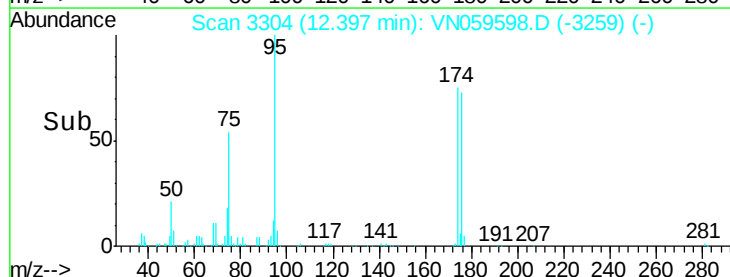
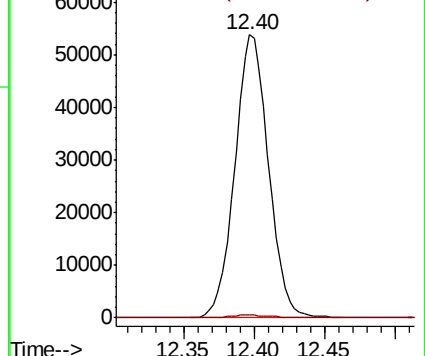
75 100

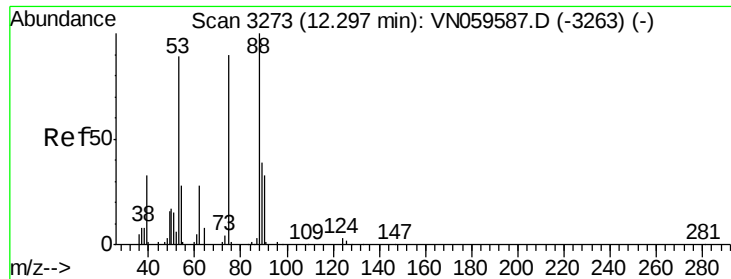
77 1.1 0.0 0.0#



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: 62.499 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059598.D

Acq: 16 Dec 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBL01

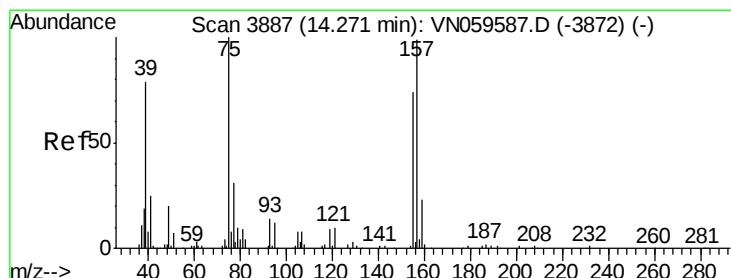
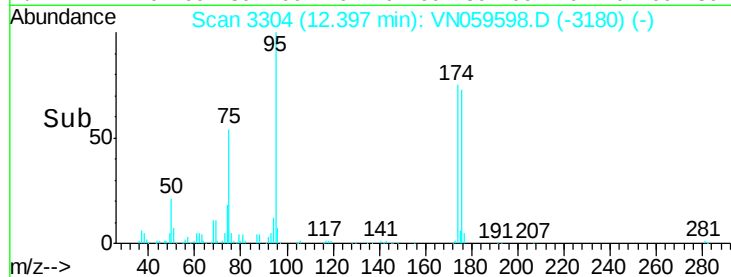
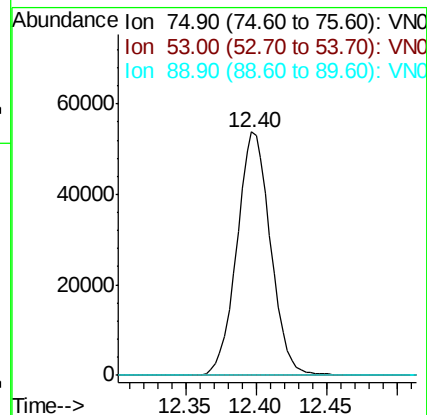
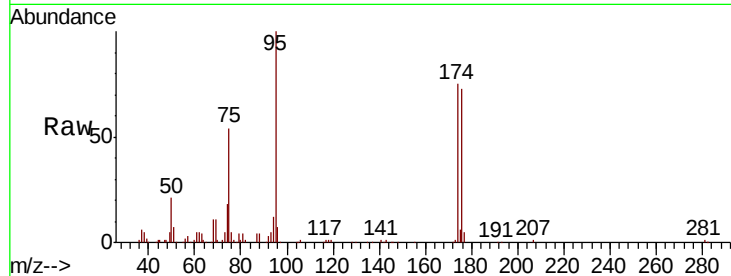
Tgt Ion: 75 Resp: 89866

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.801 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN059598.D

Acq: 16 Dec 2019 13:01

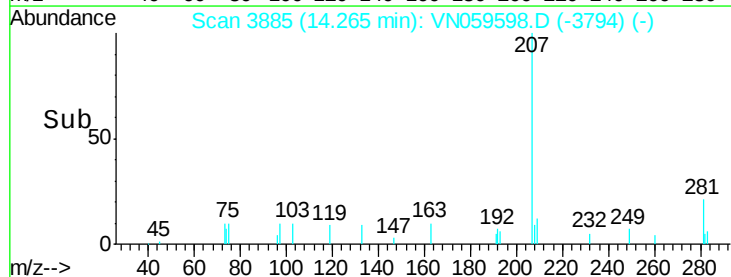
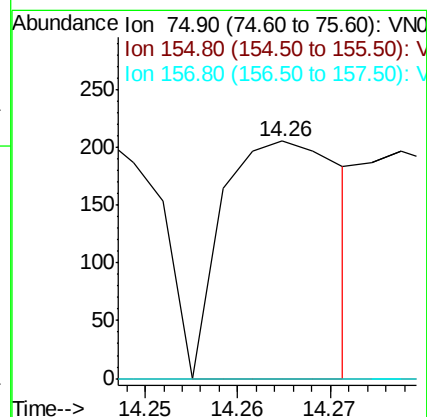
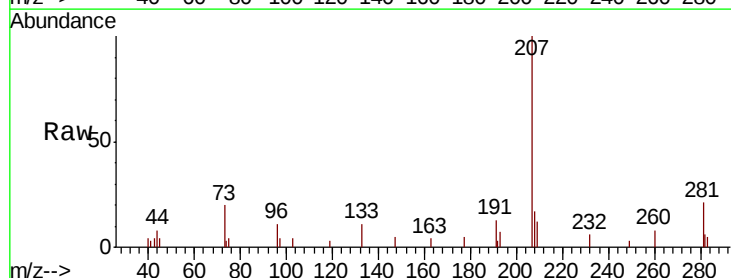
Tgt Ion: 75 Resp: 182

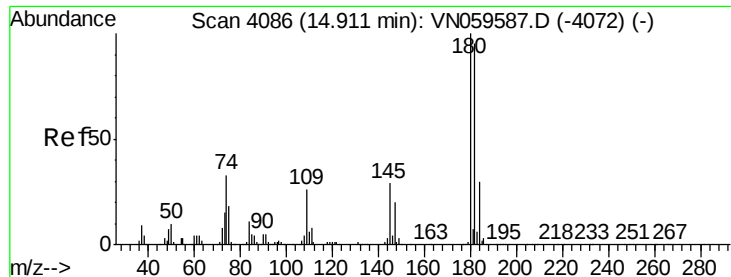
Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

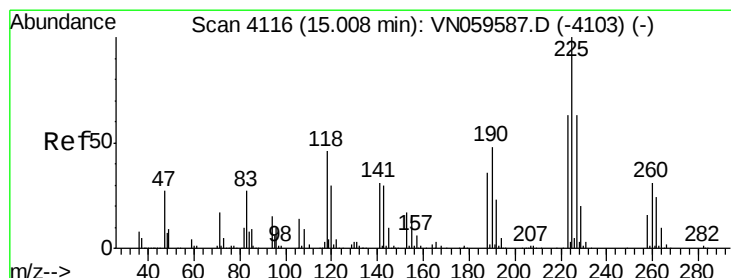
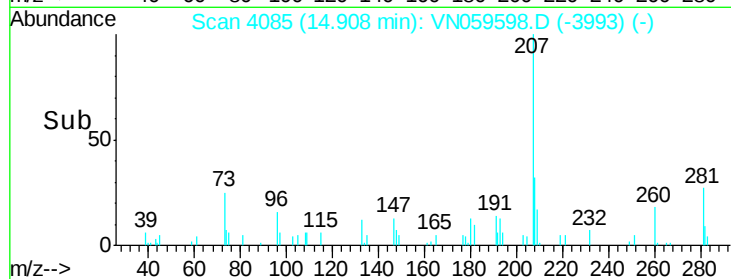
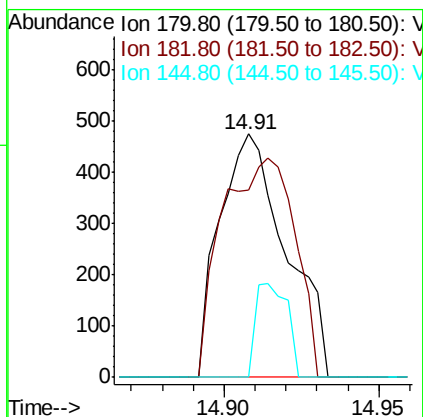
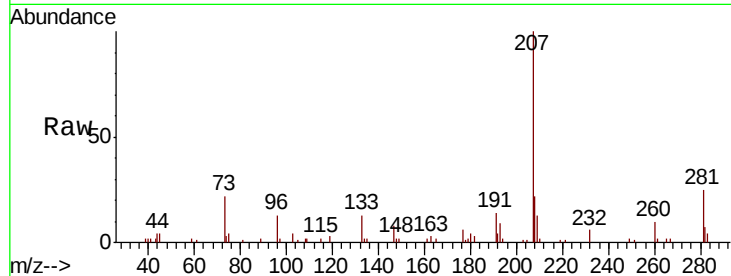




#93
 1,2,4-Trichlorobenzene
 Concen: 0.219 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059598.D
 Acq: 16 Dec 2019 13:01

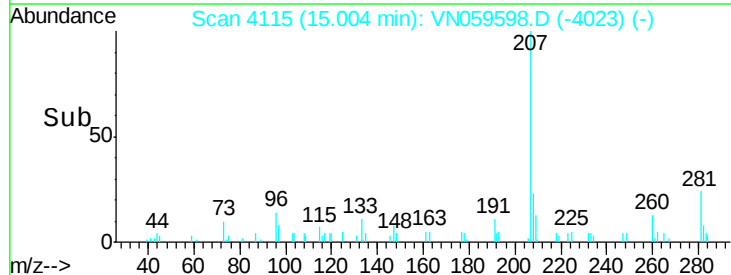
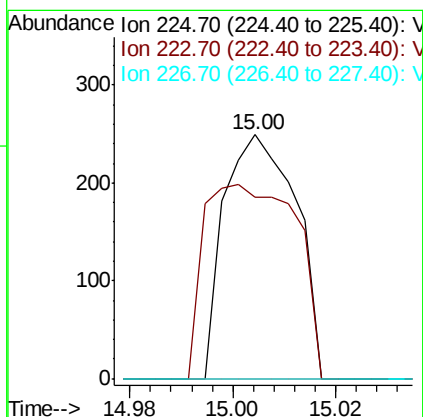
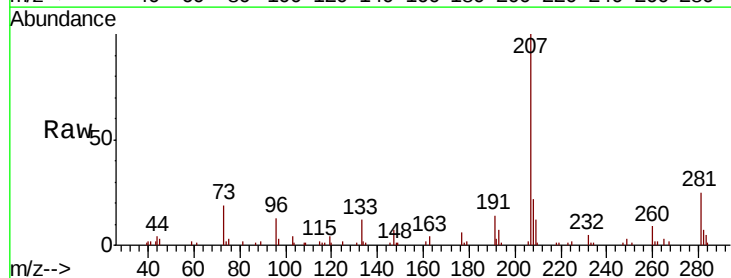
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBL01

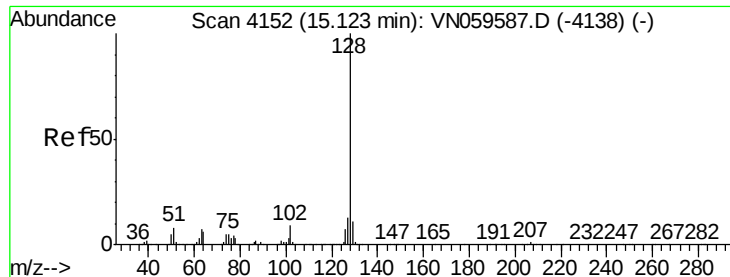
Tgt Ion:180 Resp: 710
 Ion Ratio Lower Upper
 180 100
 182 98.3 46.9 140.7
 145 18.3 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 1.803 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059598.D
 Acq: 16 Dec 2019 13:01

Tgt Ion:225 Resp: 240
 Ion Ratio Lower Upper
 225 100
 223 102.5 31.8 95.3#
 227 0.0 32.1 96.5#

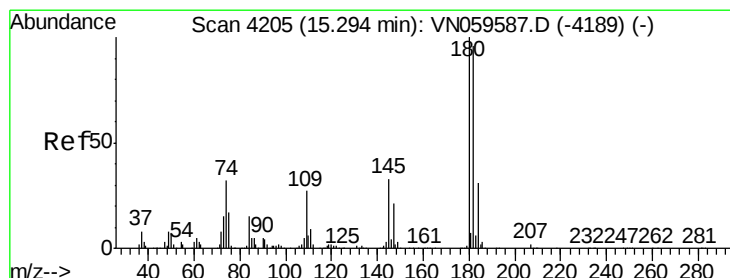
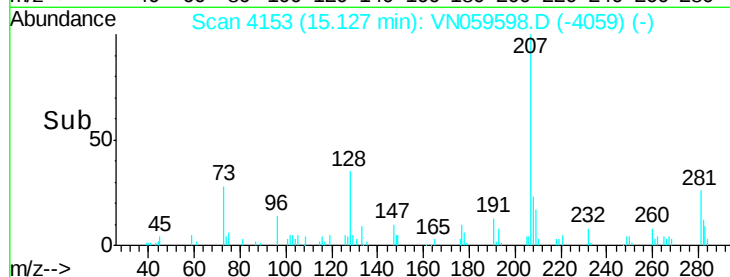
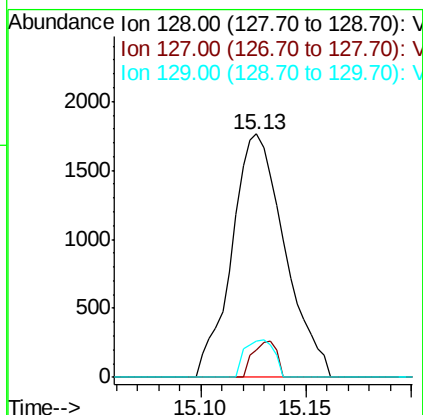
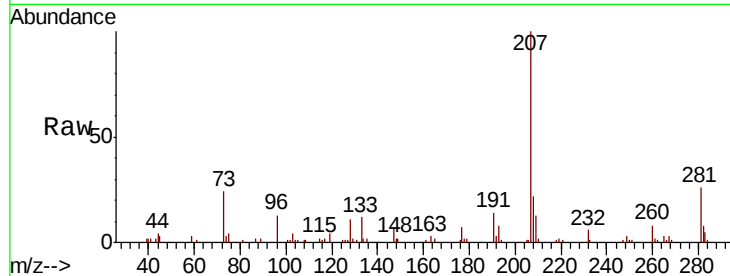




#95
Naphthalene
Concen: 0.318 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059598.D
Acq: 16 Dec 2019 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBL01

Tgt Ion:128 Resp: 3081
Ion Ratio Lower Upper
128 100
127 6.7 10.4 15.6#
129 8.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.318 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059598.D
Acq: 16 Dec 2019 13:01

Tgt Ion:180 Resp: 1043
Ion Ratio Lower Upper
180 100
182 78.7 47.4 142.3
145 5.0 16.3 48.9#

