

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN058998.D
 Acq On : 29 Oct 2019 10:36
 Operator : JC/SP
 Sample : VN1029WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 03:53:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	448624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	708364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	620697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	231140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	309876	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
35) Dibromofluoromethane	7.57	113	228852	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.08	98	880884	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	287689	43.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.66%	

Target Compounds

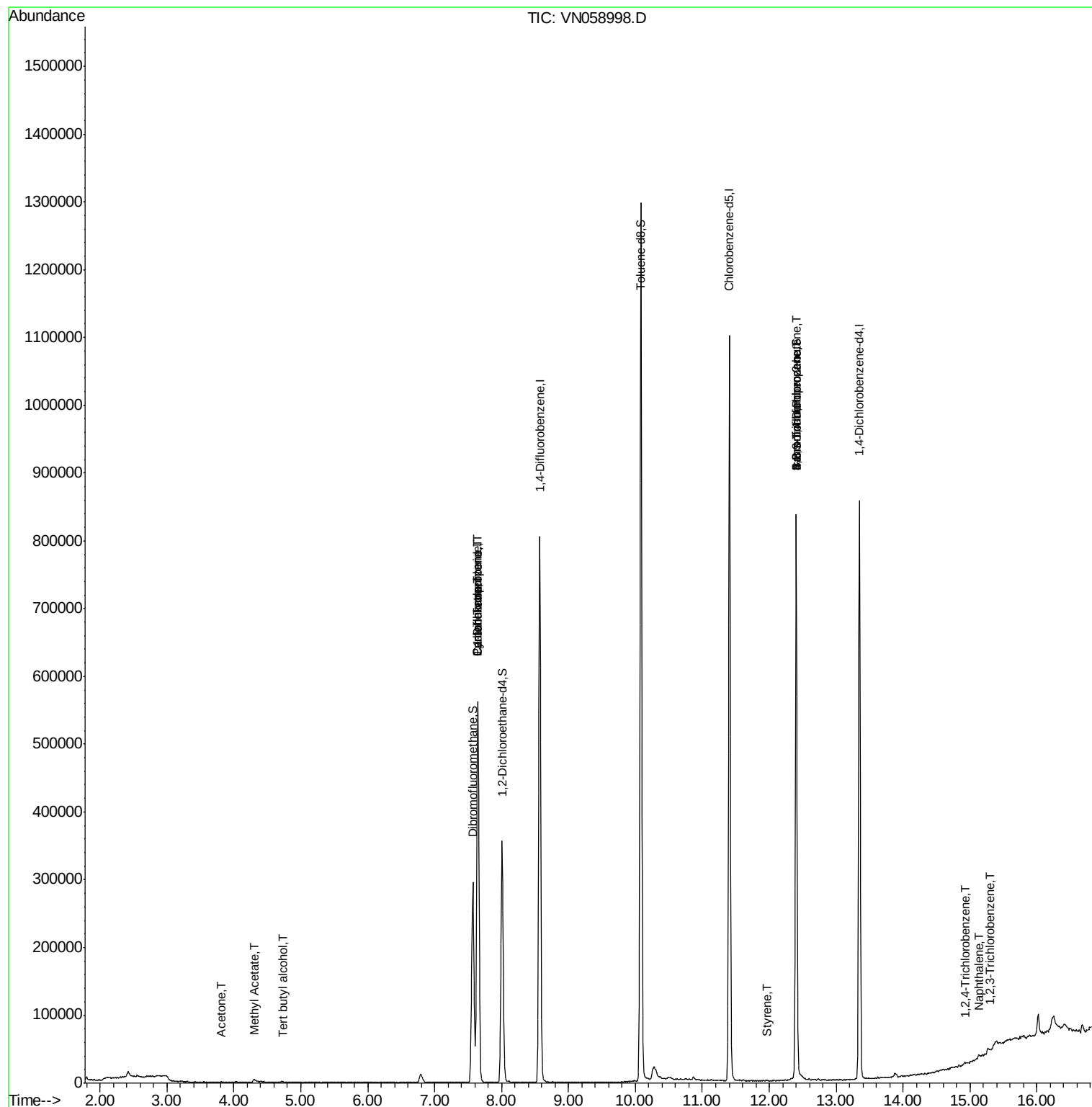
					Qvalue
11) Tert butyl alcohol	4.75	59	370	0.339 ug/l #	72
16) Acetone	3.81	43	819	0.252 ug/l #	46
18) Methyl Acetate	4.30	43	8567	1.159 ug/l #	90
31) Cyclohexane	7.64	56	9913	1.048 ug/l #	1
36) 1,1-Dichloropropene	7.64	75	36551	5.040 ug/l #	51
38) Carbon Tetrachloride	7.64	117	44169	5.912 ug/l #	17
70) Styrene	11.97	104	136	1.723 ug/l #	39
71) Bromoform	12.40	173	1834	0.496 ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	148631	27.746 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	148631	72.279 ug/l #	10
93) 1,2,4-Trichlorobenzene	14.92	180	579	2.640 ug/l #	77
95) Naphthalene	15.14	128	2660	2.417 ug/l #	91
96) 1,2,3-Trichlorobenzene	15.30	180	1033	2.614 ug/l	86

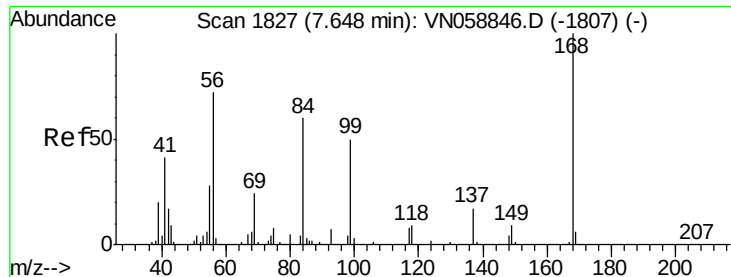
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102919\
Data File : VN058998.D
Acq On : 29 Oct 2019 10:36
Operator : JC/SP
Sample : VN1029WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 30 03:53:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 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: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA_N

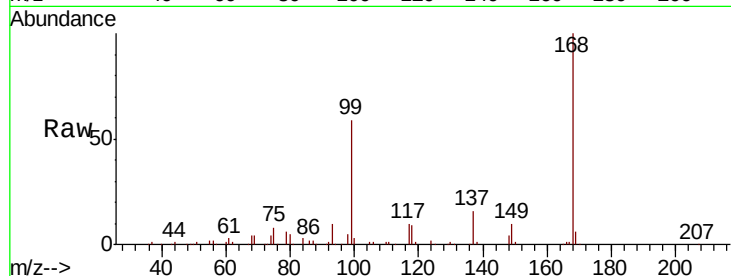
ClientSampleId :

Tot Ion:168 Resp: 448624

Ion Ratio Lower Upper

168 100

99 58.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

200000

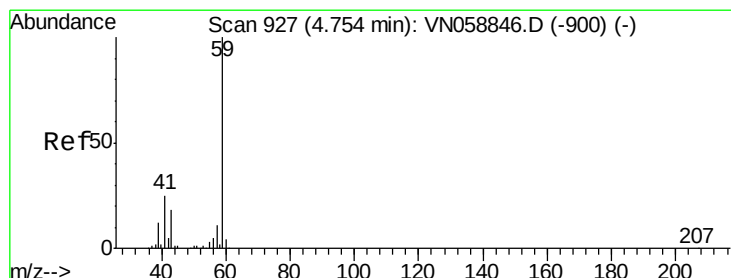
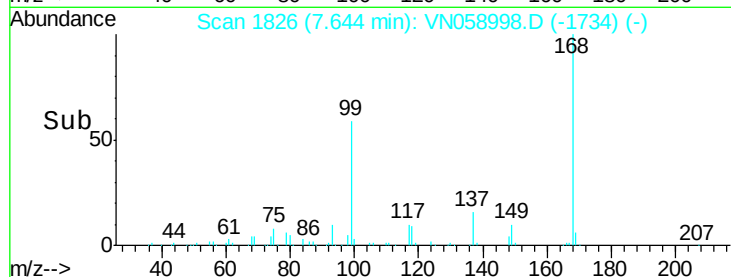
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.339 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN058998.D

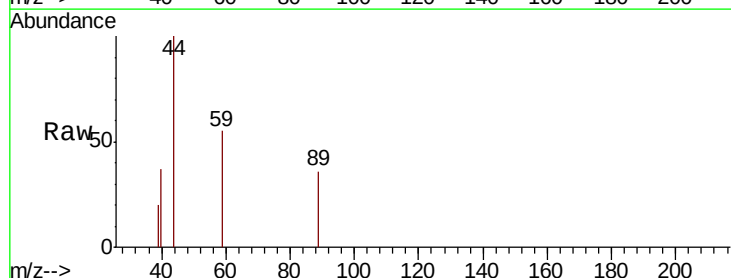
Acq: 29 Oct 2019 10:36

Tgt Ion: 59 Resp: 370

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

400

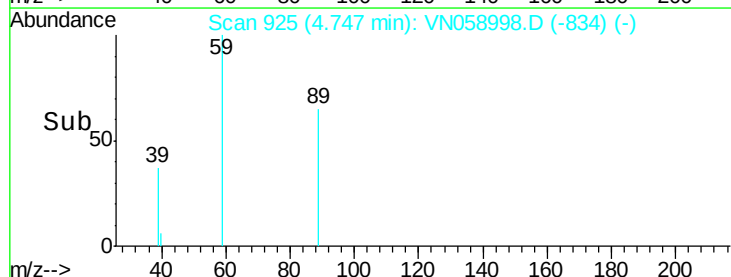
300

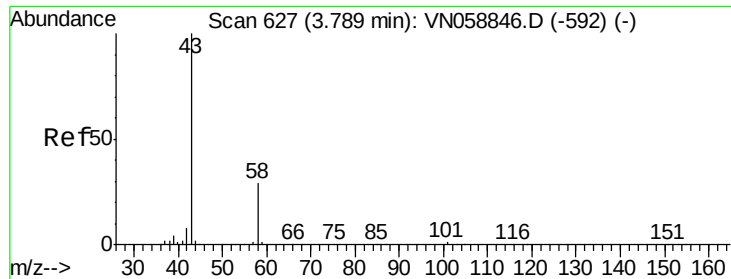
200

100

0

Time-->





#16

Acetone

Concen: 0.252 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA_N

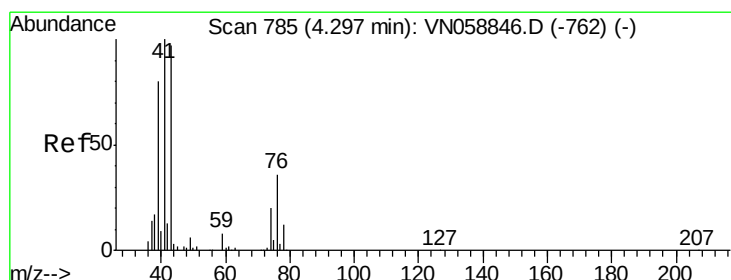
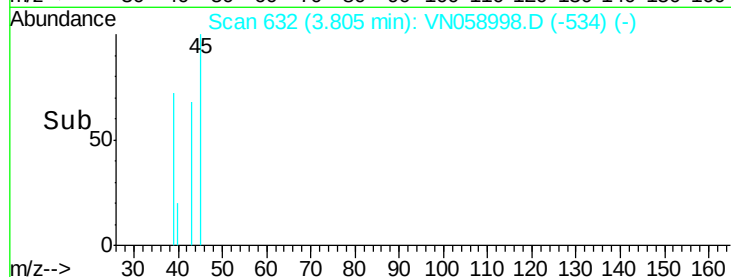
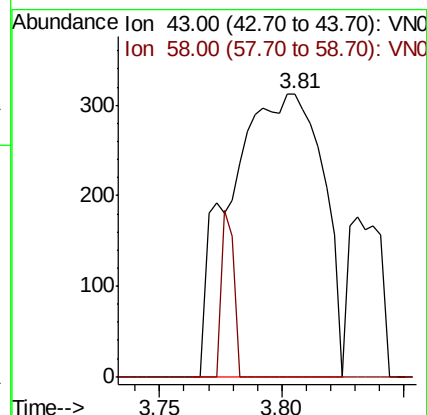
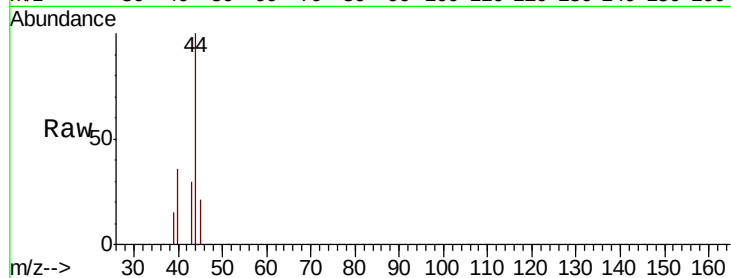
ClientSampleId :

Tot Ion: 43 Resp: 819

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#



#18

Methyl Acetate

Concen: 1.159 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058998.D

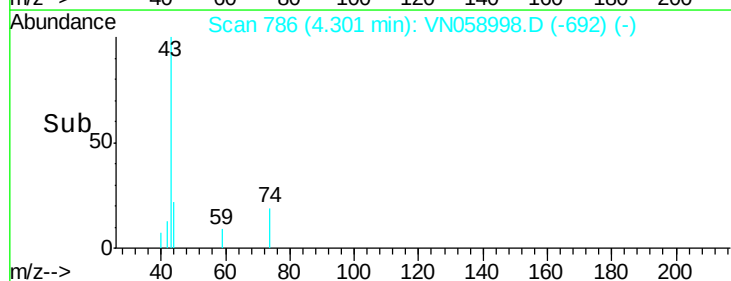
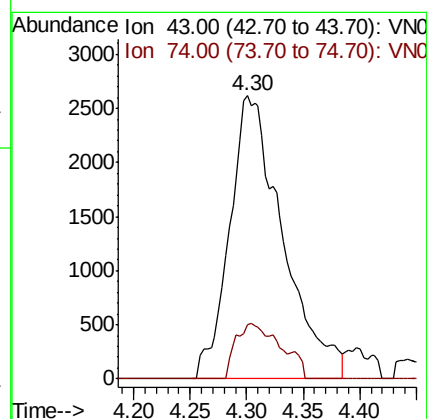
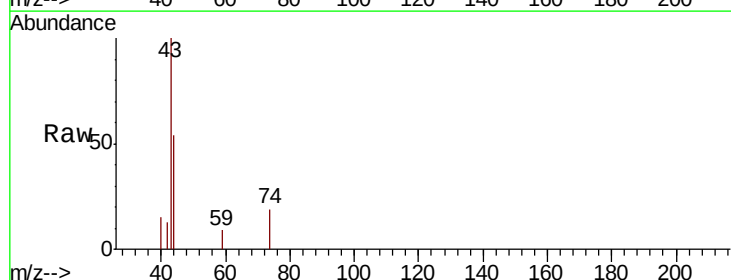
Acq: 29 Oct 2019 10:36

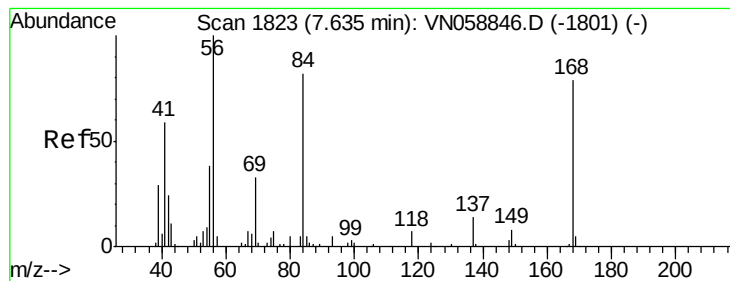
Tgt Ion: 43 Resp: 8567

Ion Ratio Lower Upper

43 100

74 16.6 17.1 25.7#





#31

Cyclohexane

Concen: 1.048 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

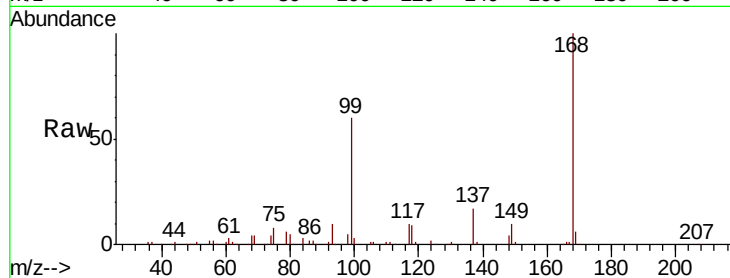
Tot Ion: 56 Resp: 9913

Ion Ratio Lower Upper

56 100

69 183.3 26.2 39.4#

84 126.7 65.6 98.4#

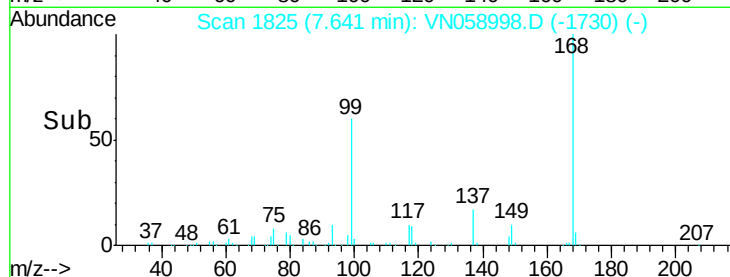


Abundance Ion 56.00 (55.70 to 56.70): VN058998.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058998.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058998.D (-1730) (-)

Time-->

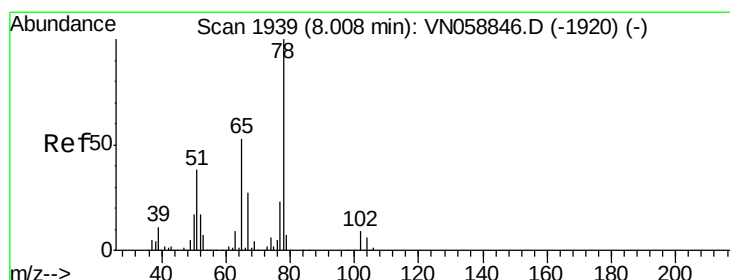


Abundance Ion 56.00 (55.70 to 56.70): VN058998.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058998.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058998.D (-1730) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.095 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058998.D

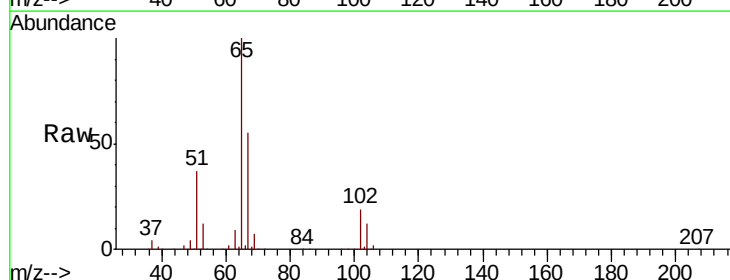
Acq: 29 Oct 2019 10:36

Tgt Ion: 65 Resp: 309876

Ion Ratio Lower Upper

65 100

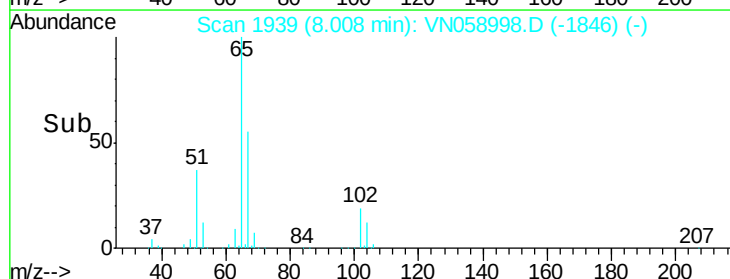
67 54.2 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VN058998.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN058998.D (-1846) (-)

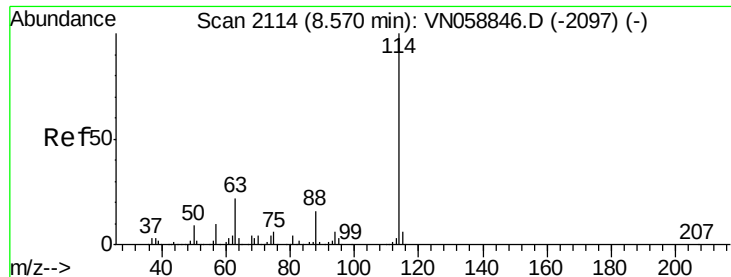
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN058998.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN058998.D (-1846) (-)

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

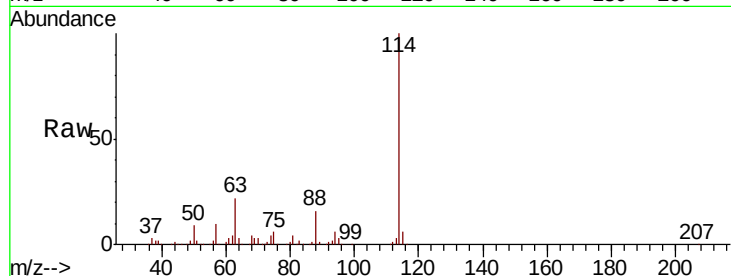
Tot Ion:114 Resp: 708364

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.4

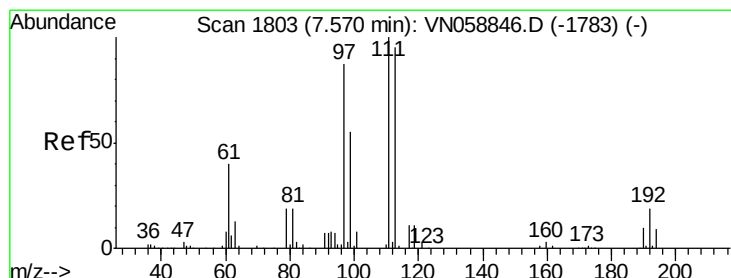
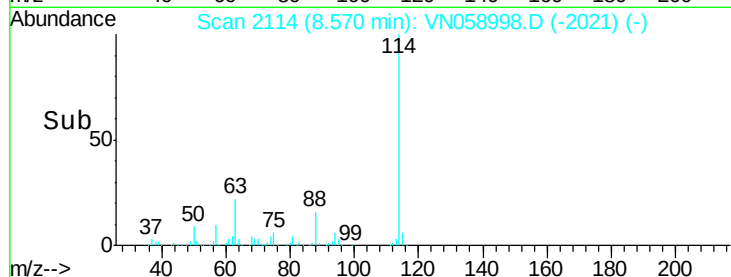
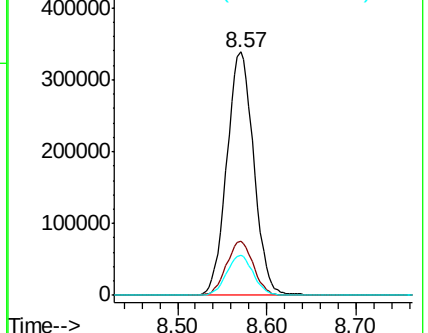
88 16.3 0.0 31.4



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: 49.138 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

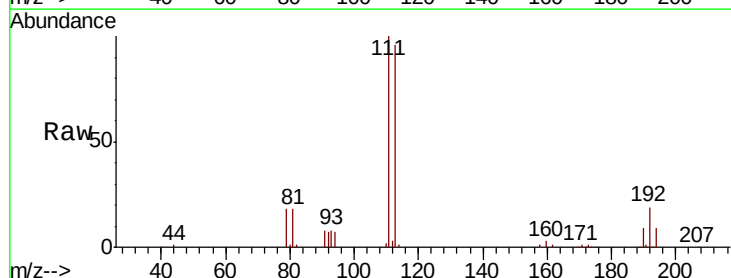
Tgt Ion:113 Resp: 228852

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

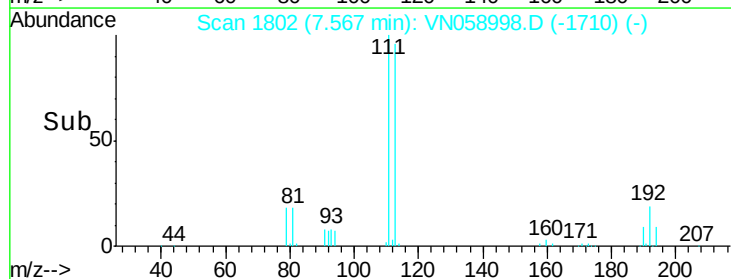
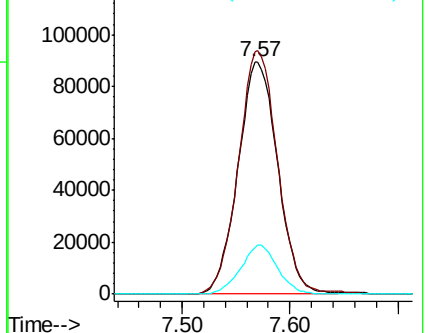
192 19.6 15.0 22.6

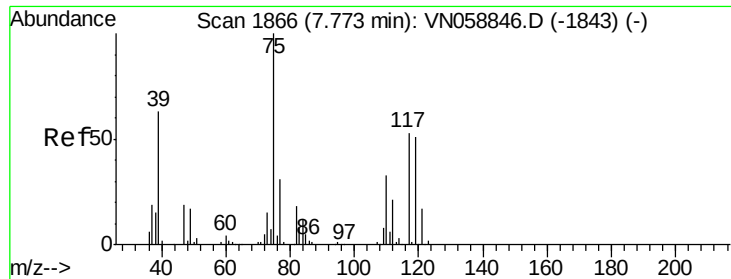


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

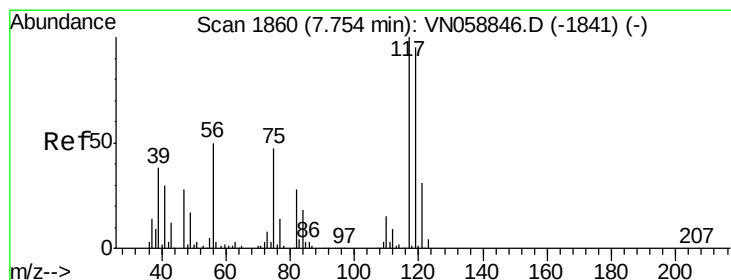
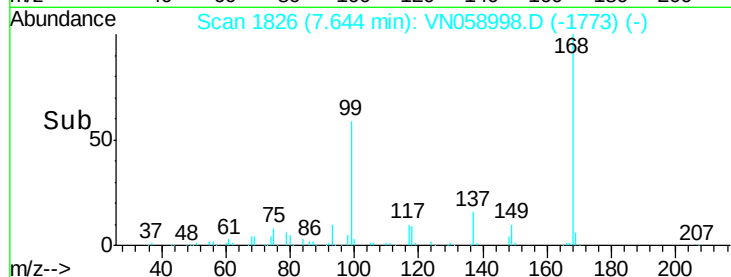
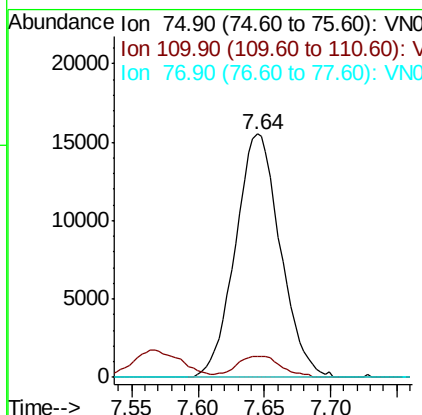
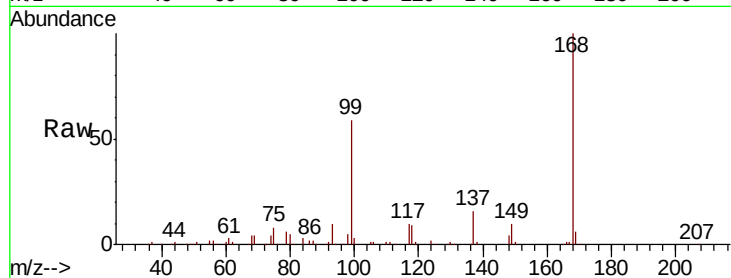




#36
 1,1-Dichloropropene
 Concen: 5.040 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058998.D
 Acq: 29 Oct 2019 10:36

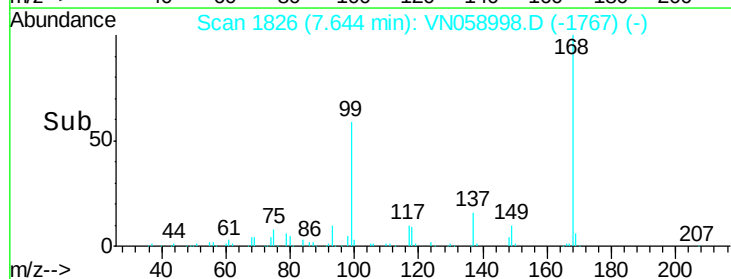
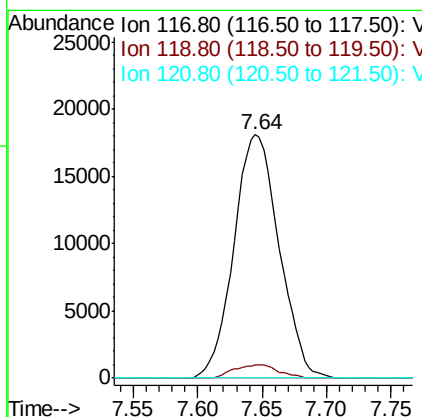
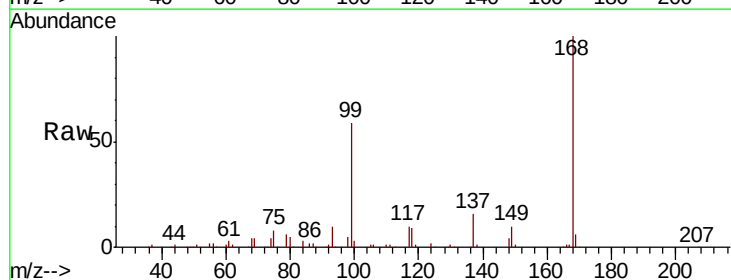
Instrument :
 MSVOA_N
 ClientSampled :

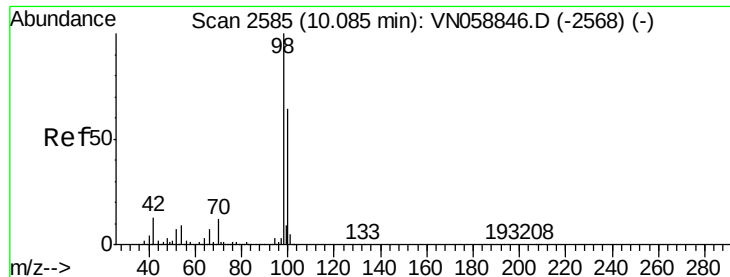
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.912 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN058998.D
 Acq: 29 Oct 2019 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.7	113.5#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 48.724 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA_N

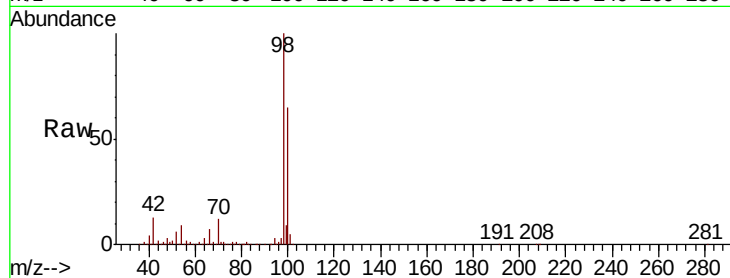
ClientSampled :

Tot Ion: 98 Resp: 880884

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

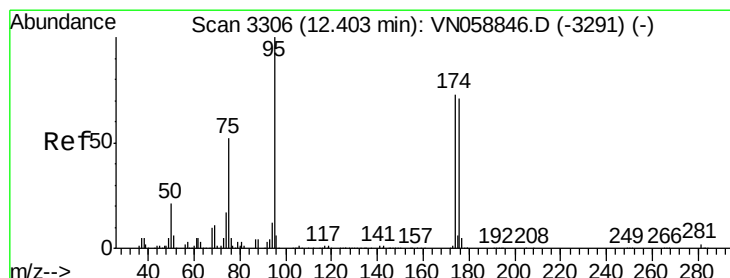
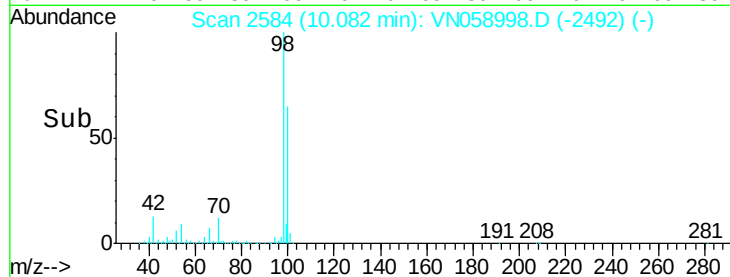
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.333 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

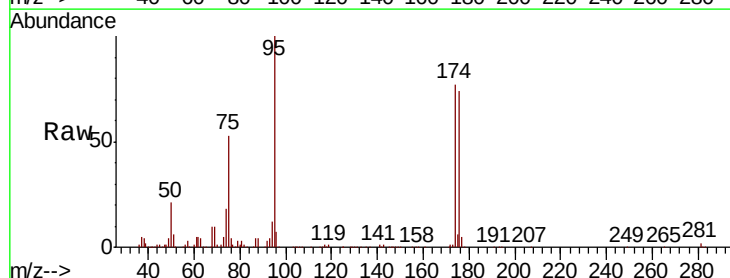
Tgt Ion: 95 Resp: 287689

Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.6

176 73.7 0.0 143.2



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

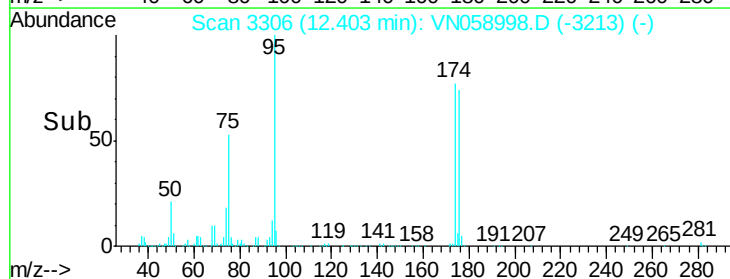
150000

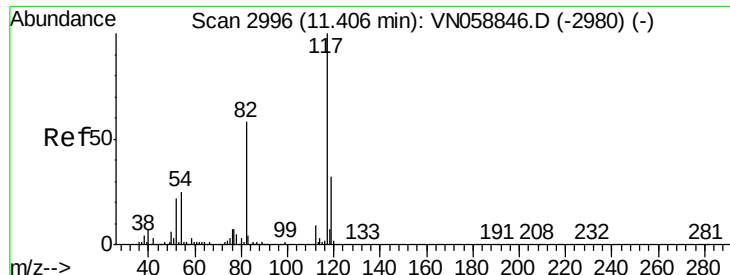
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

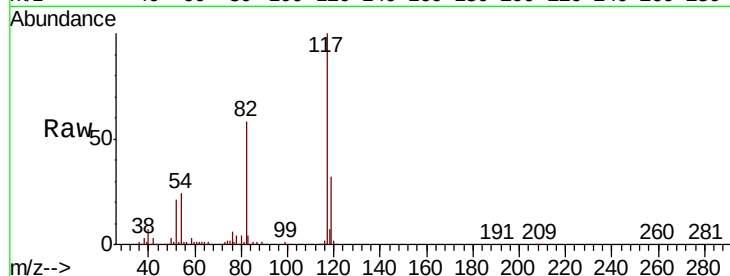
Tot Ion:117 Resp: 620697

Ion Ratio Lower Upper

117 100

82 58.1 46.6 69.8

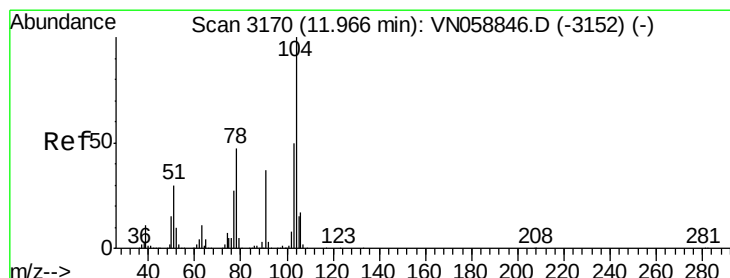
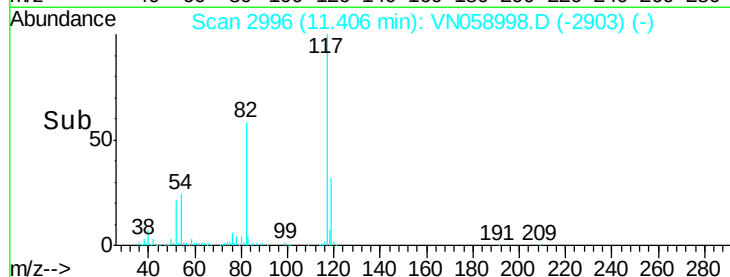
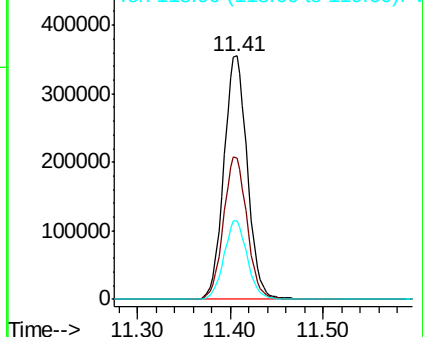
119 32.3 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#70

Styrene

Concen: 1.723 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

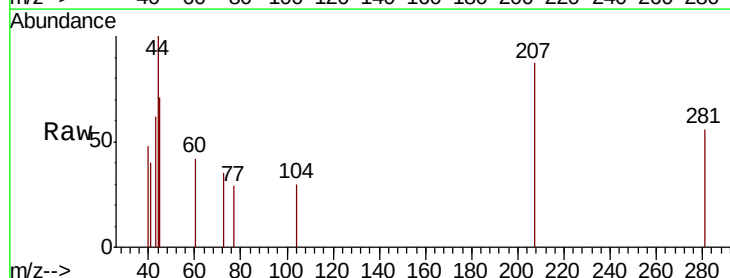
Tgt Ion:104 Resp: 136

Ion Ratio Lower Upper

104 100

78 22.1 42.8 64.2#

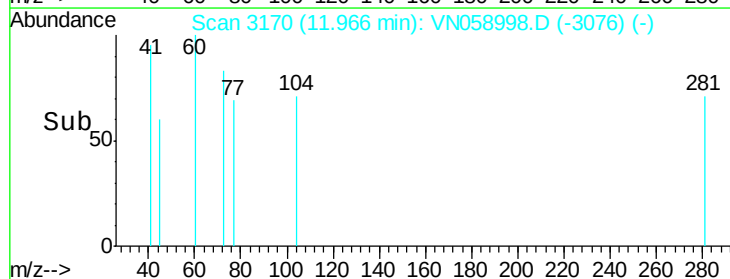
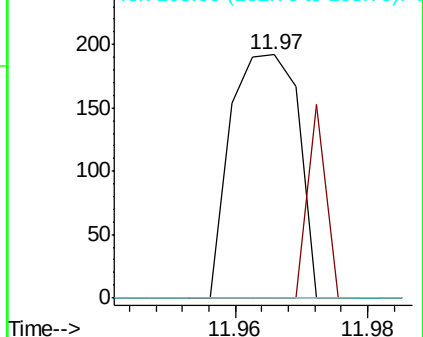
103 0.0 44.3 66.5#

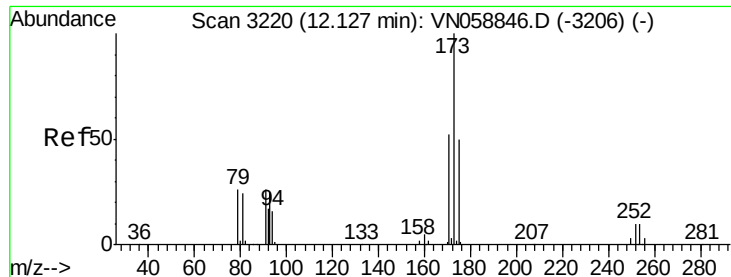


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.496 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

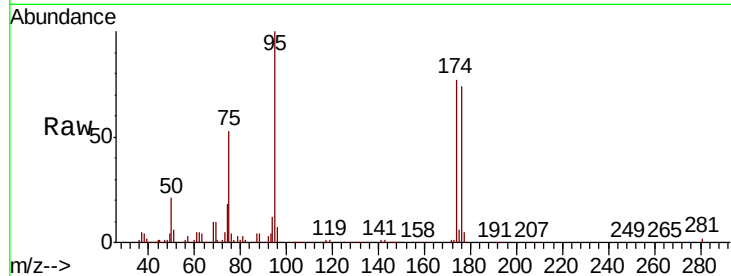
Tot Ion:173 Resp: 1834

Ion Ratio Lower Upper

173 100

175 716.6 24.7 74.1#

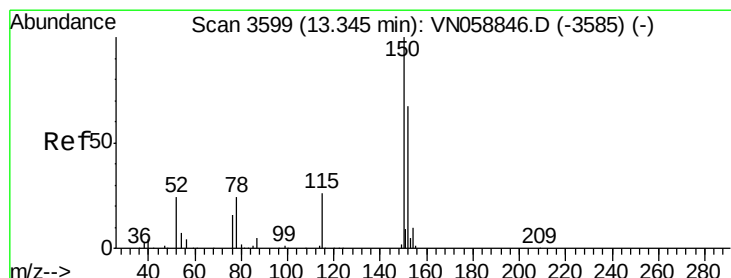
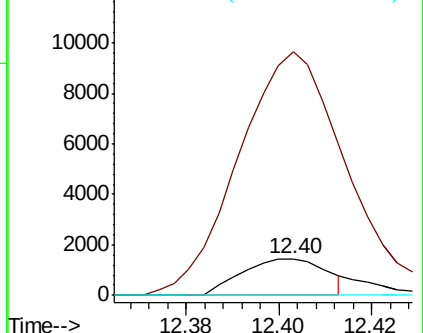
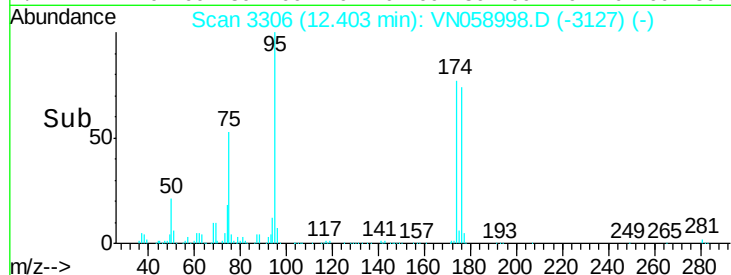
254 0.0 0.0 0.0



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# 3600

Delta R.T. 0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

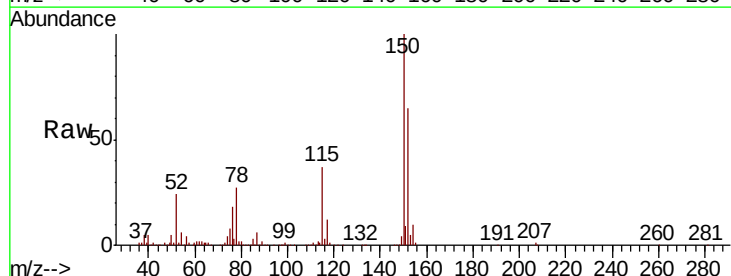
Tgt Ion:152 Resp: 231140

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

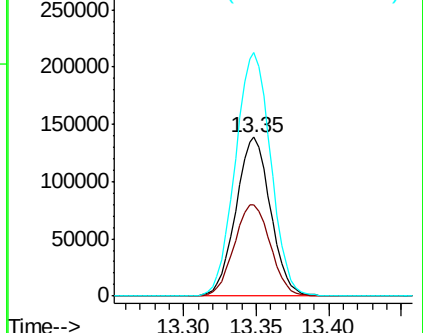
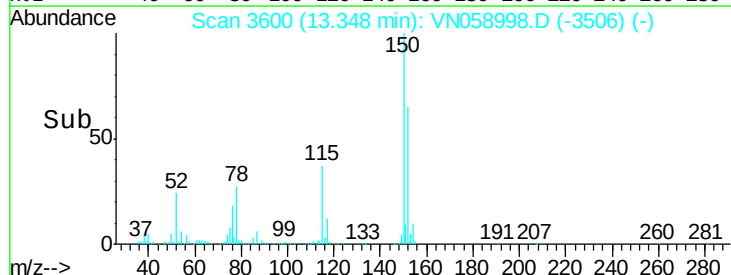
150 157.2 0.0 344.4

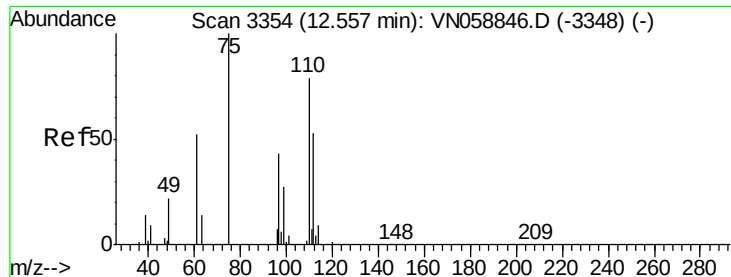


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.746 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA_N

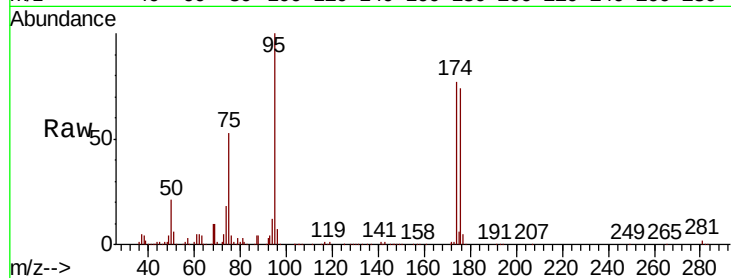
ClientSampled :

Tot Ion: 75 Resp: 148631

Ion Ratio Lower Upper

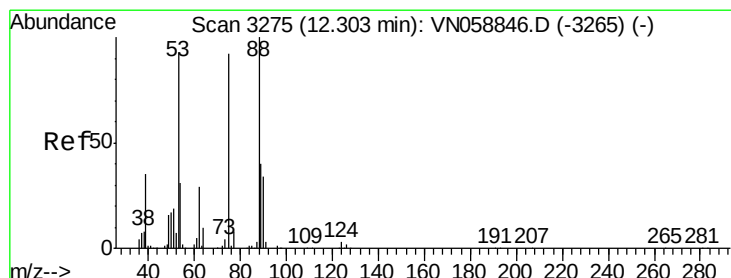
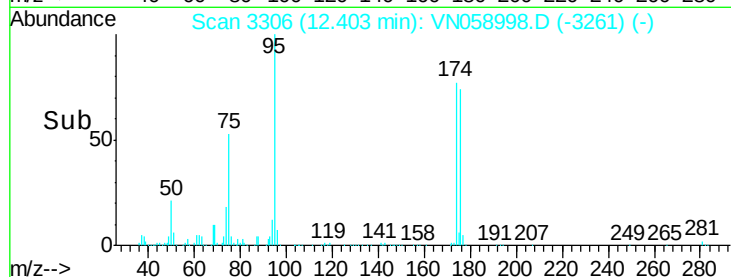
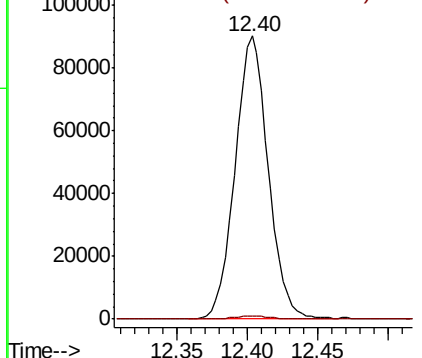
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 72.279 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

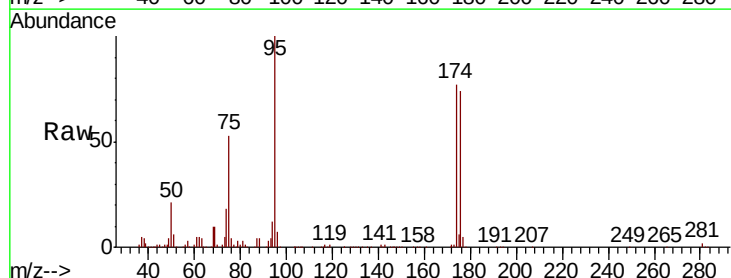
Tgt Ion: 75 Resp: 148631

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

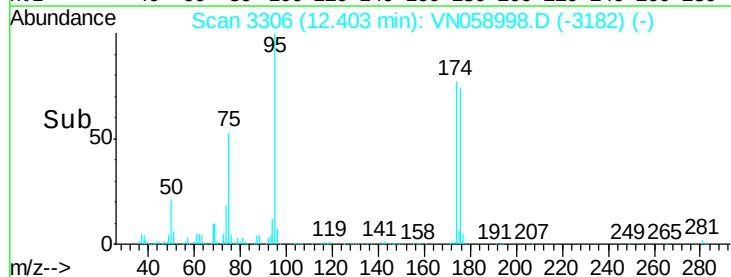
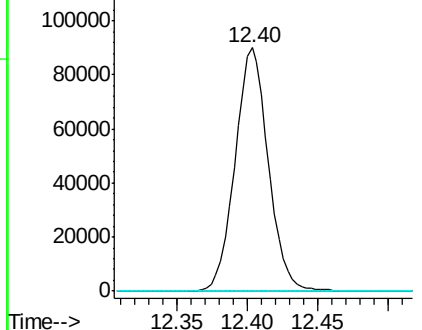
89 0.0 35.4 53.0#

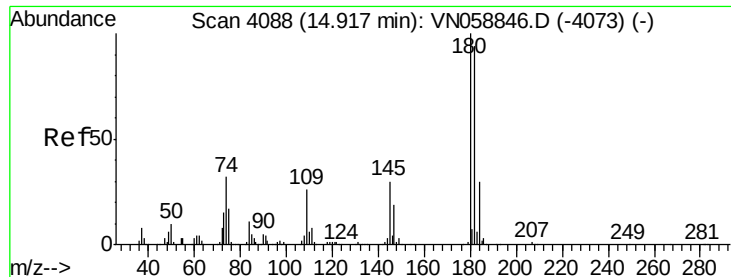


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

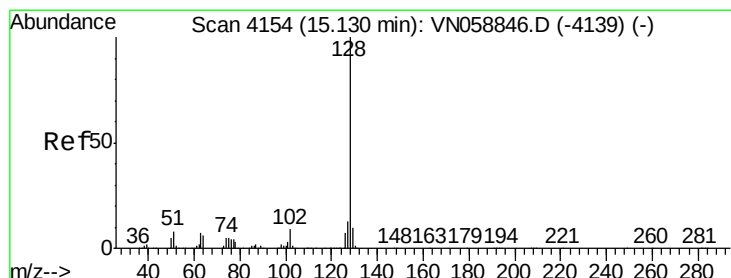
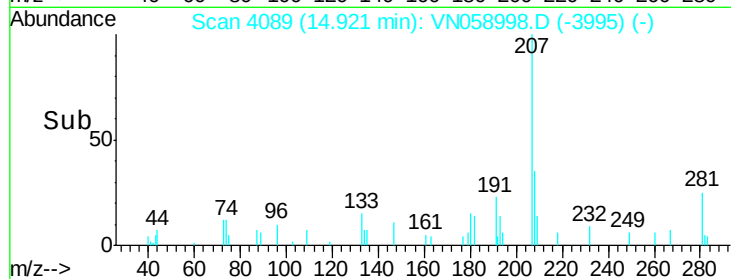
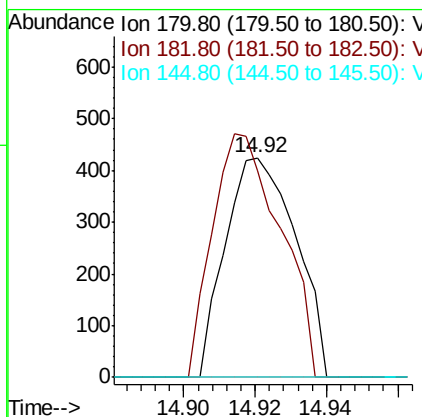
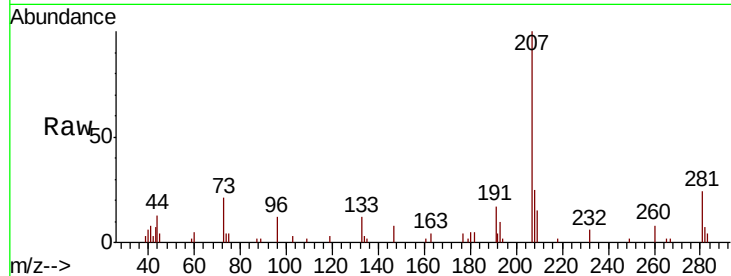




#93
 1,2,4-Trichlorobenzene
 Concen: 2.640 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058998.D
 Acq: 29 Oct 2019 10:36

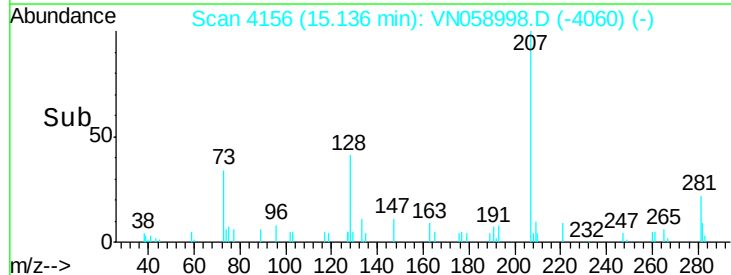
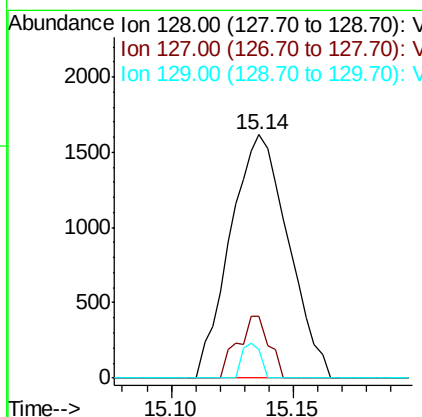
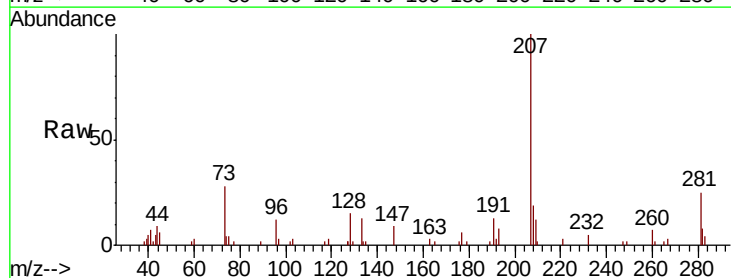
Instrument :
 MSVOA_N
 ClientSampleId :

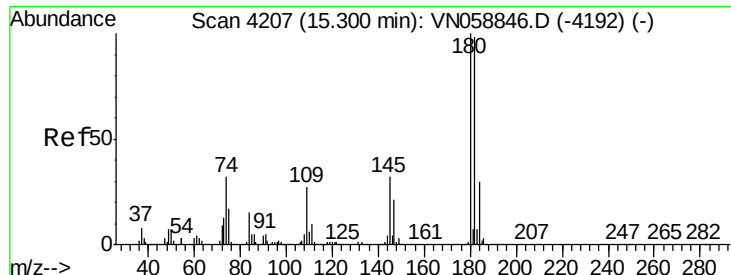
Tot Ion:180 Resp: 579
 Ion Ratio Lower Upper
 180 100
 182 106.9 47.3 142.0
 145 0.0 15.3 45.8#



#95
 Naphthalene
 Concen: 2.417 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN058998.D
 Acq: 29 Oct 2019 10:36

Tgt Ion:128 Resp: 2660
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.2 15.2
 129 4.5 8.4 12.6#

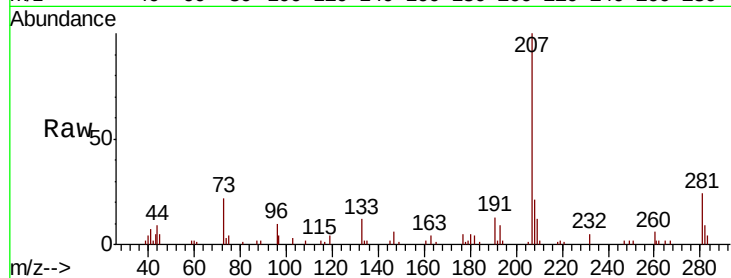




#96
 1,2,3-Trichlorobenzene
 Concen: 2.614 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058998.D
 Acq: 29 Oct 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.6	47.9	143.7
145	44.4	15.9	47.7



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

