

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054272.D
 Acq On : 14 Mar 2019 19:54
 Operator : JC/SP
 Sample : K1898-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-1

Quant Time: Mar 15 08:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1416153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2292004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2353402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	956414	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	720205	47.89	ug/l	0.00
Spiked Amount						
			Recovery	=	95.78%	
35) Dibromofluoromethane	7.59	113	713796	48.29	ug/l	0.00
Spiked Amount						
			Recovery	=	96.58%	
50) Toluene-d8	10.09	98	2830515	51.85	ug/l	0.00
Spiked Amount						
			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.40	95	1042845	54.59	ug/l	0.00
Spiked Amount						
			Recovery	=	109.18%	

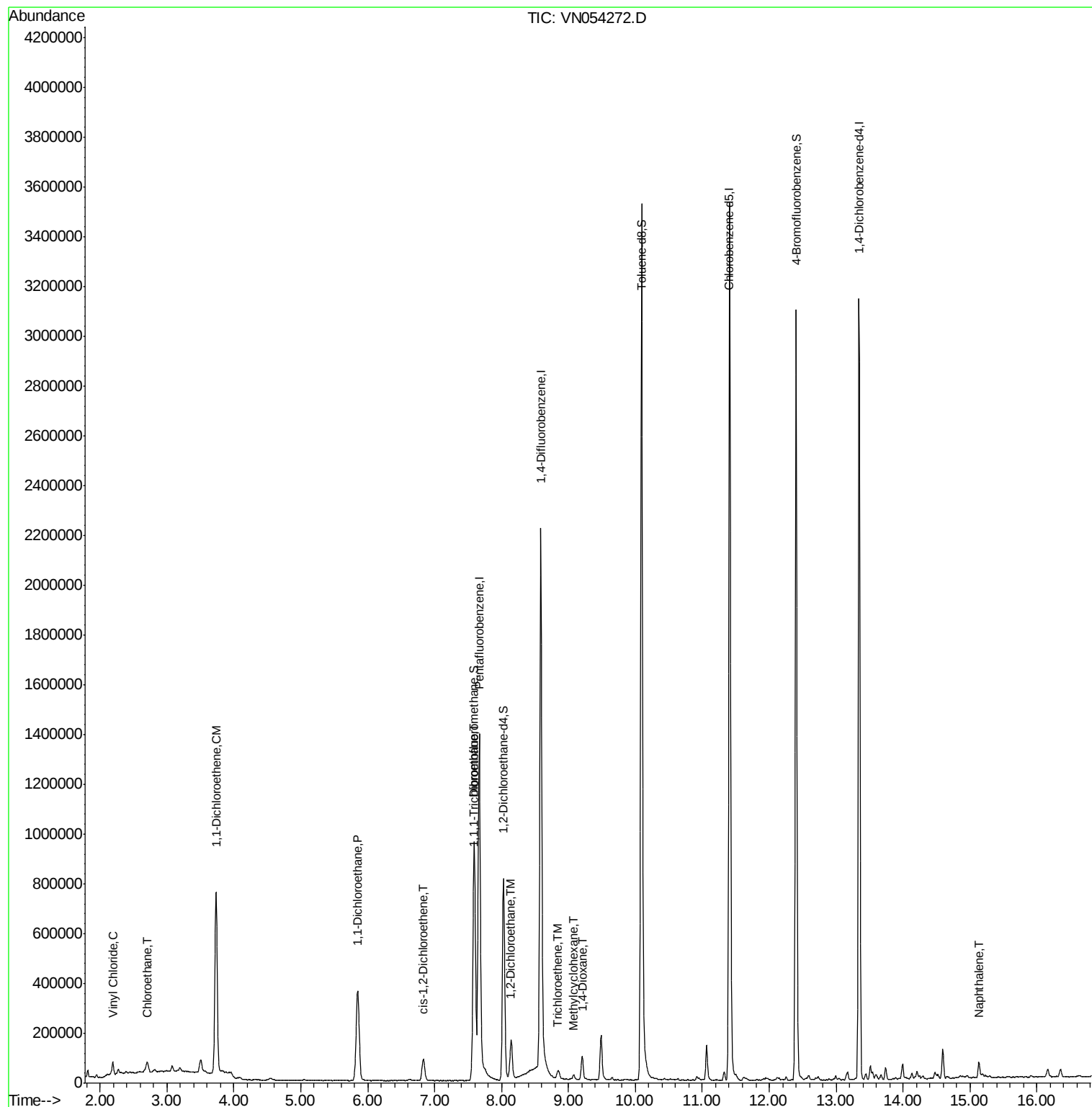
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	41325	2.773	ug/l	98
6) Chloroethane	2.71	64	20930	2.321	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	420115	28.555	ug/l	99
24) 1,1-Dichloroethane	5.85	63	558858	23.103	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	63673	4.049	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	46239	2.028	ug/l	99
39) Methylcyclohexane	9.07	83	8960	0.345	ug/l	97
42) 1,2-Dichloroethane	8.13	62	28460	1.396	ug/l	97
44) Trichloroethene	8.83	130	9982	0.532	ug/l	96
49) 1,4-Dioxane	9.20	88	84416	552.417	ug/l #	93
95) Naphthalene	15.13	128	63213	4.872	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054272.D
Acq On : 14 Mar 2019 19:54
Operator : JC/SP
Sample : K1898-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
DUP-1

Quant Time: Mar 15 08:02:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

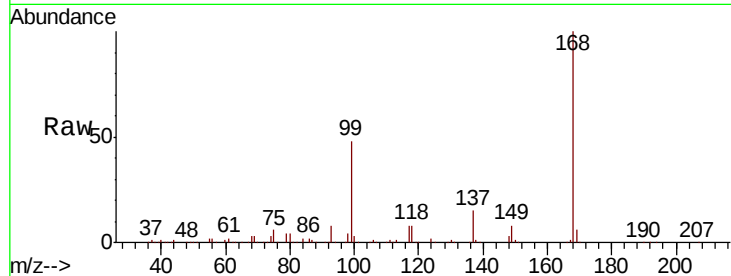
DUP-1

Tgt Ion:168 Resp: 1416153

Ion Ratio Lower Upper

168 100

99 47.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

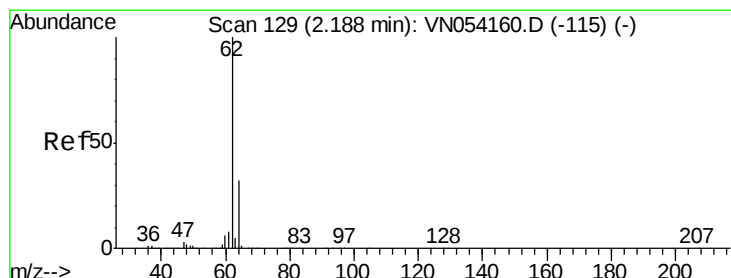
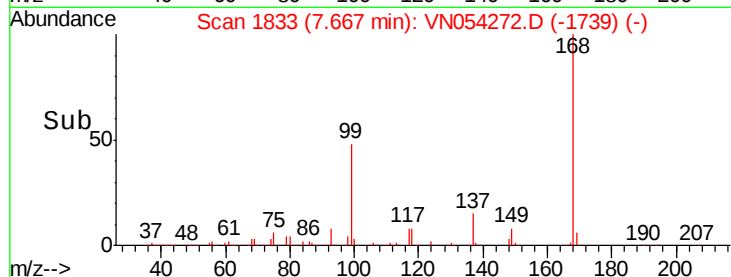
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 2.773 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054272.D

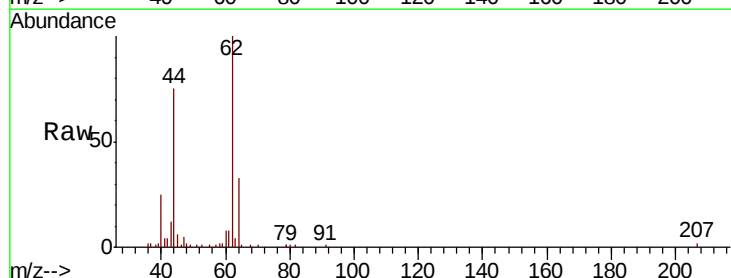
Acq: 14 Mar 2019 19:54

Tgt Ion: 62 Resp: 41325

Ion Ratio Lower Upper

62 100

64 33.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

30000

25000

20000

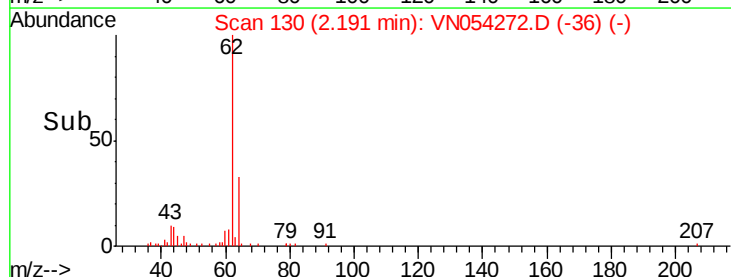
15000

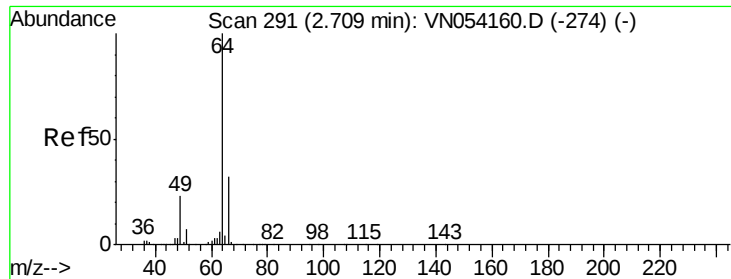
10000

5000

0

Time-->





#6

Chloroethane

Concen: 2.321 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

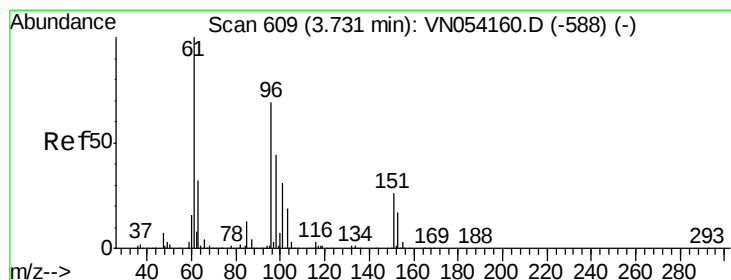
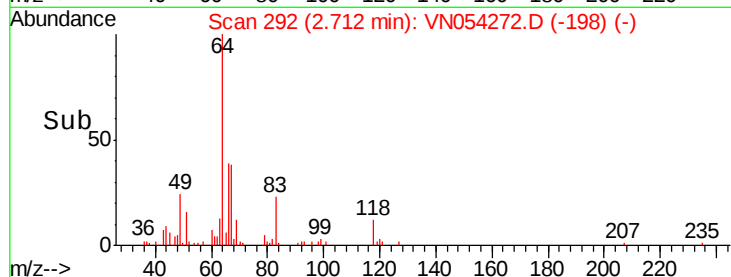
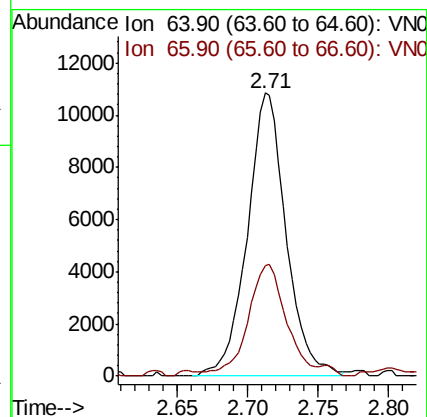
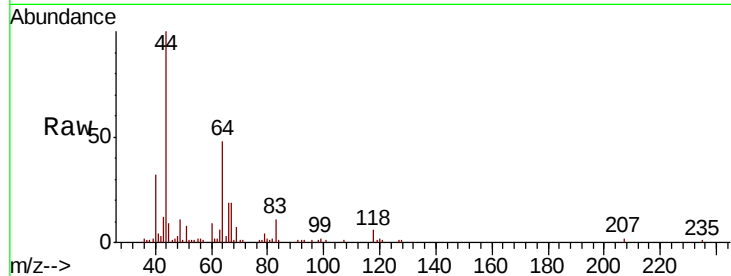
DUP-1

Tgt Ion: 64 Resp: 20930

Ion Ratio Lower Upper

64 100

66 39.0 25.7 38.5#



#12

1,1-Dichloroethene

Concen: 28.555 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

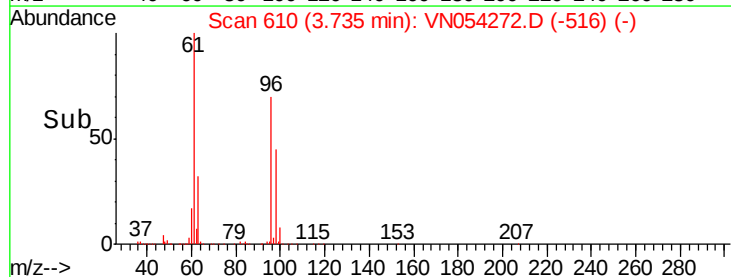
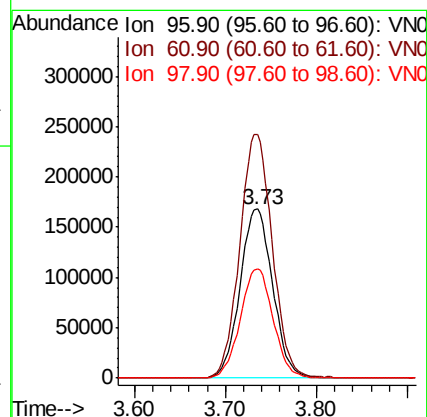
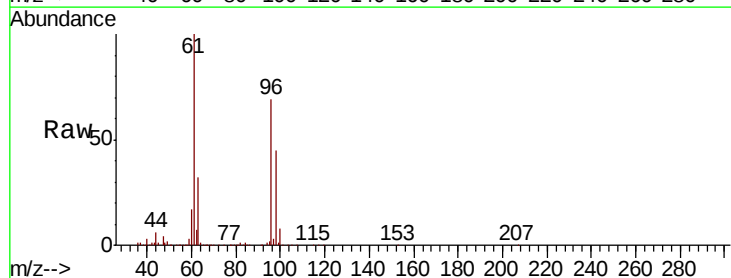
Tgt Ion: 96 Resp: 420115

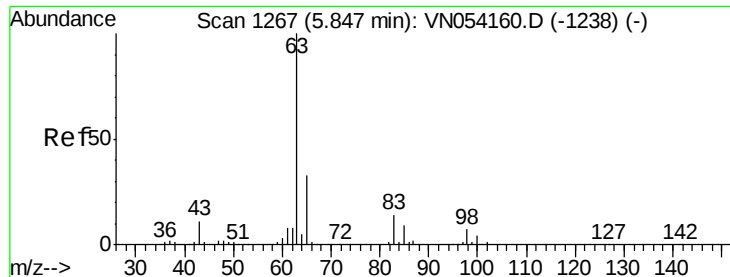
Ion Ratio Lower Upper

96 100

61 144.0 116.5 174.7

98 64.9 51.0 76.4





#24

1,1-Dichloroethane

Concen: 23.103 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

DUP-1

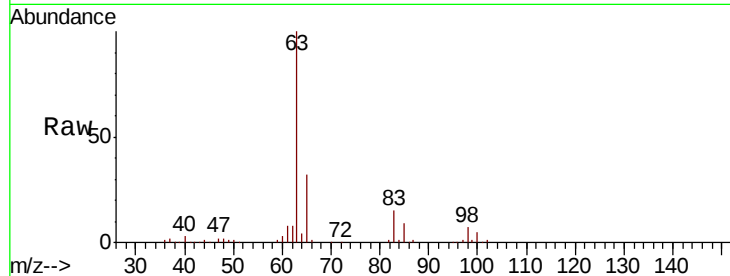
Tgt Ion: 63 Resp: 558858

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

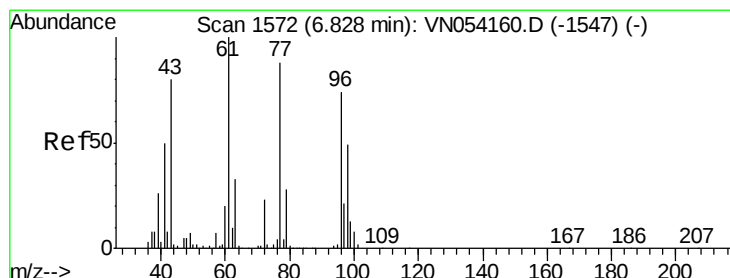
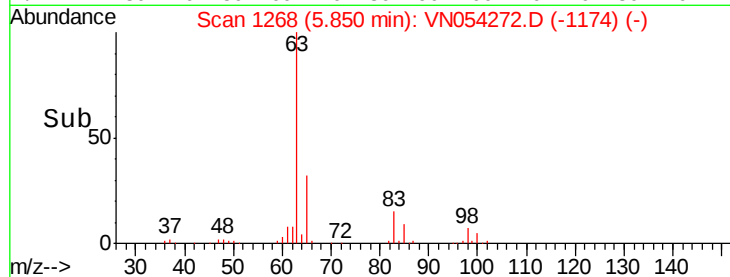
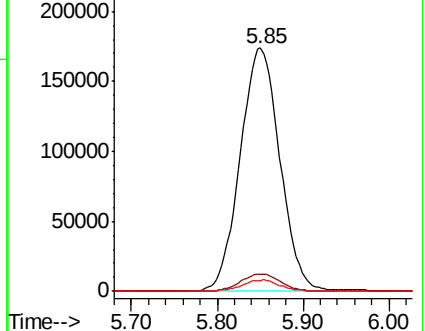
100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054160.D (-1238) (-)

Ion 97.90 (97.60 to 98.60): VN054160.D (-1238) (-)

Ion 99.90 (99.60 to 100.60): VN054160.D (-1238) (-)



#27

cis-1,2-Dichloroethene

Concen: 4.049 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

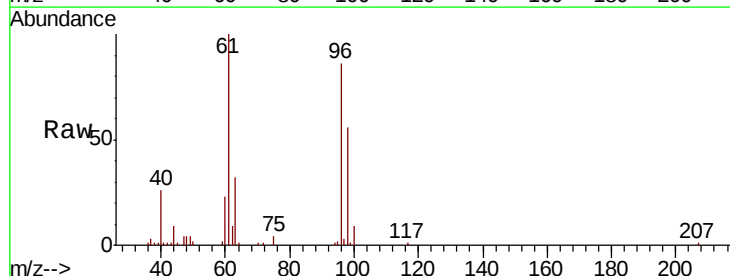
Tgt Ion: 96 Resp: 63673

Ion Ratio Lower Upper

96 100

61 113.9 0.0 273.0

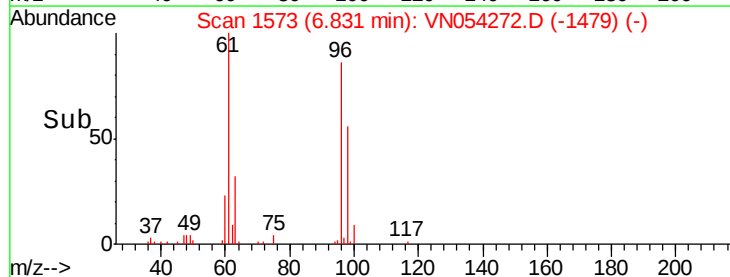
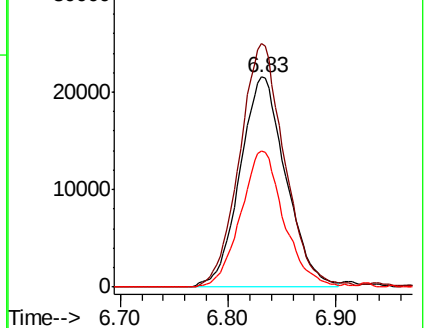
98 61.1 0.0 130.6

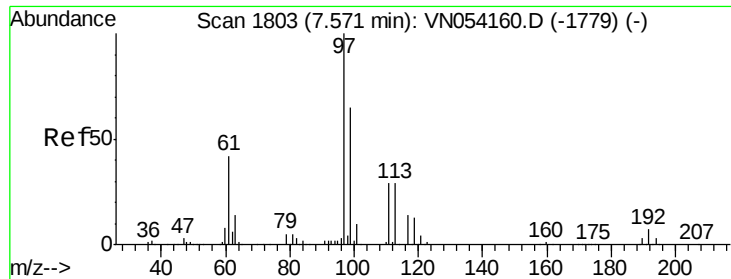


Abundance Ion 95.90 (95.60 to 96.60): VN054160.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN054160.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN054160.D (-1547) (-)





#32

1,1,1-Trichloroethane

Concen: 2.028 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

DUP-1

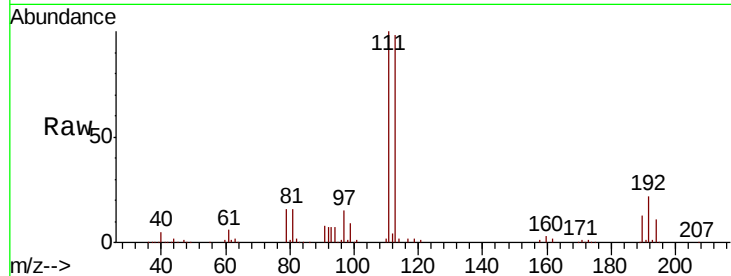
Tgt Ion: 97 Resp: 46239

Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

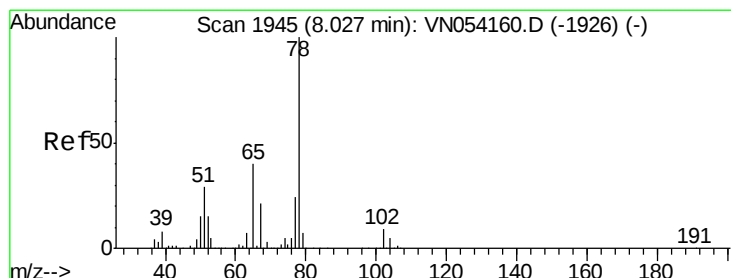
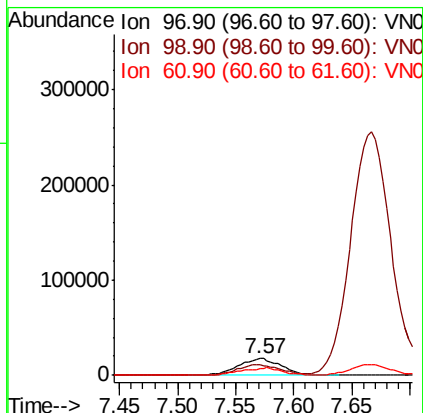
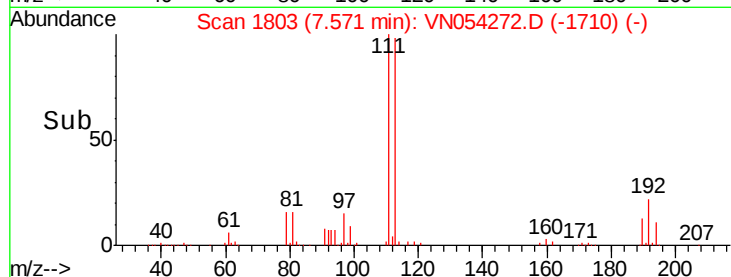
61 43.8 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.887 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054272.D

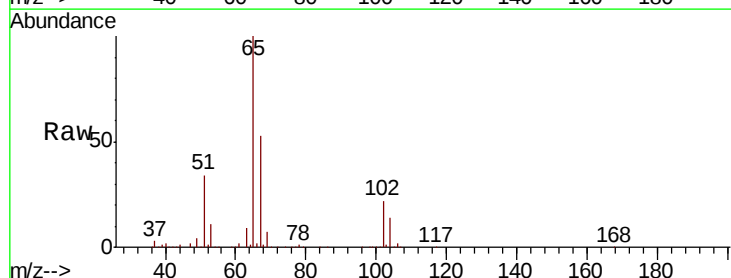
Acq: 14 Mar 2019 19:54

Tgt Ion: 65 Resp: 720205

Ion Ratio Lower Upper

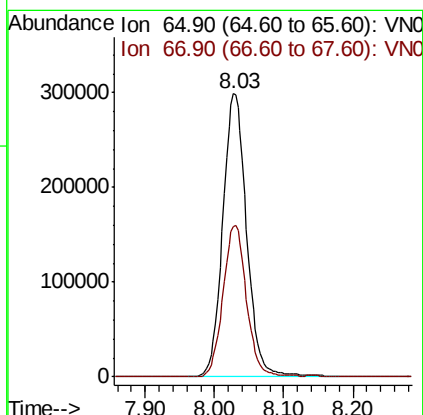
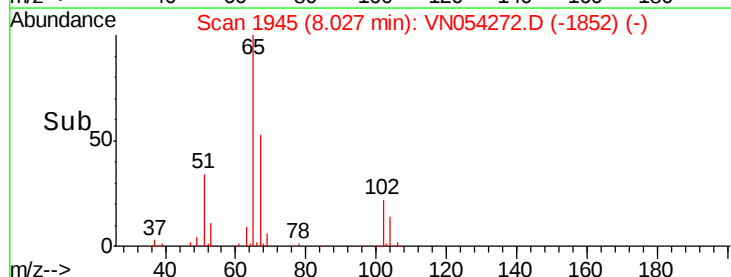
65 100

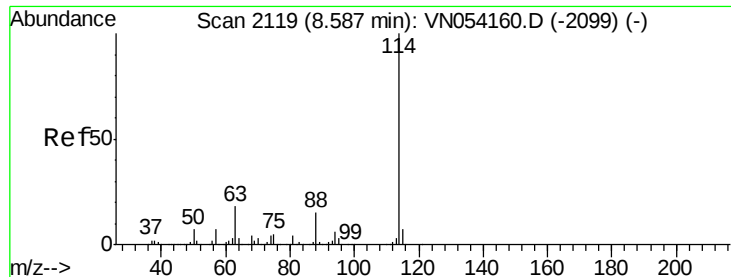
67 52.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

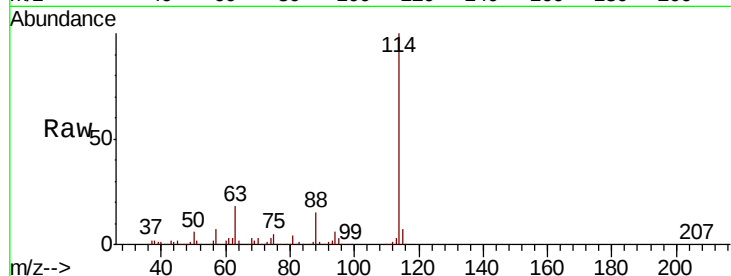




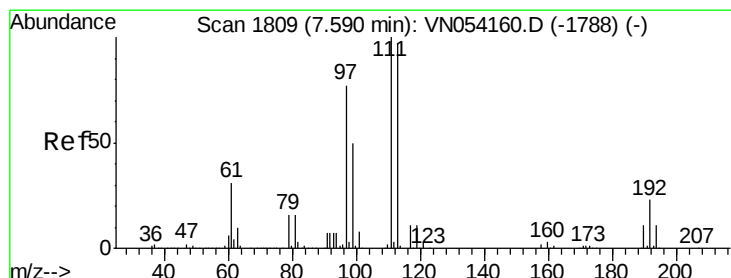
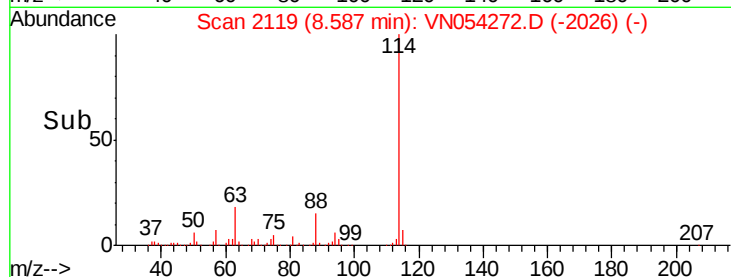
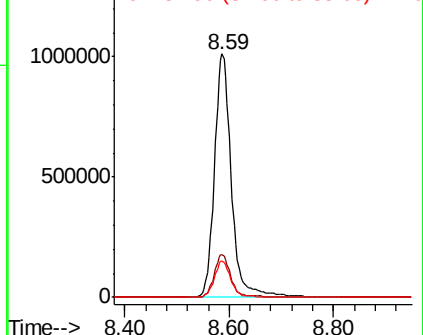
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054272.D
 Acq: 14 Mar 2019 19:54

Instrument :
 MSVOA_N
 ClientSampled :
 DUP-1

Tgt Ion:114 Resp: 2292004
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 15.0 0.0 30.2

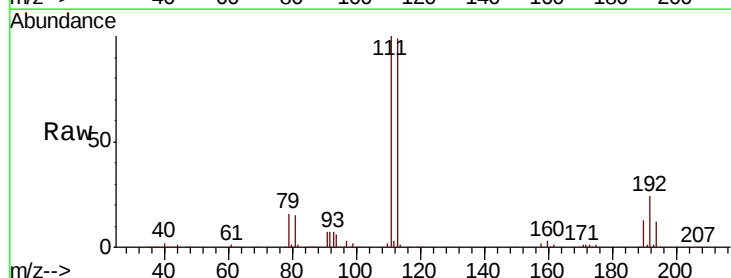


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

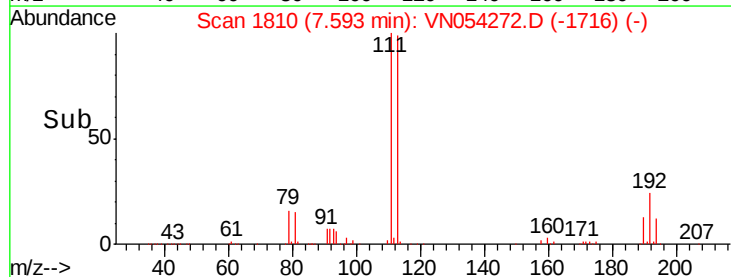
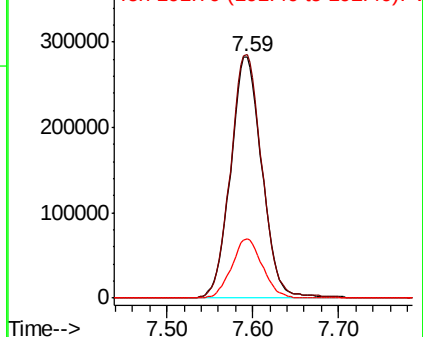


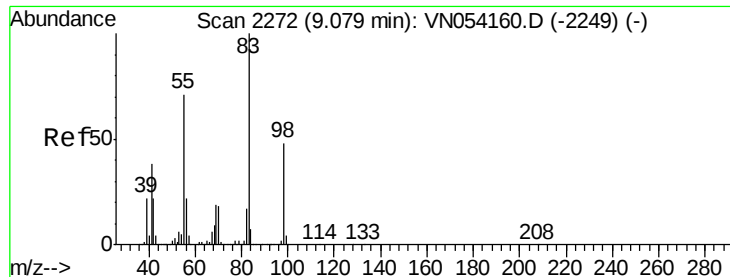
#35
 Dibromofluoromethane
 Concen: 48.287 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054272.D
 Acq: 14 Mar 2019 19:54

Tgt Ion:113 Resp: 713796
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.4
 192 24.2 19.2 28.8



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





#39

Methylcyclohexane

Concen: 0.345 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.01 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

DUP-1

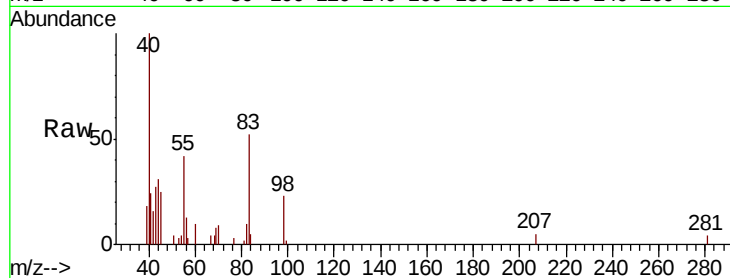
Tgt Ion: 83 Resp: 8960

Ion Ratio Lower Upper

83 100

55 72.5 56.6 84.8

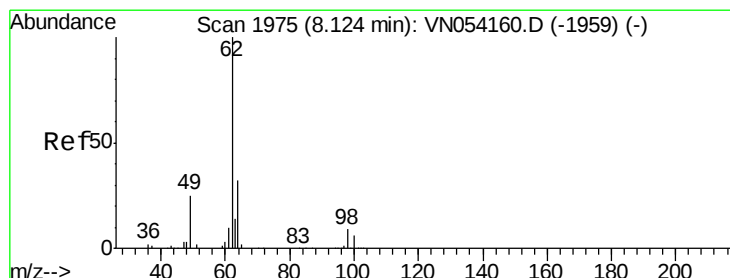
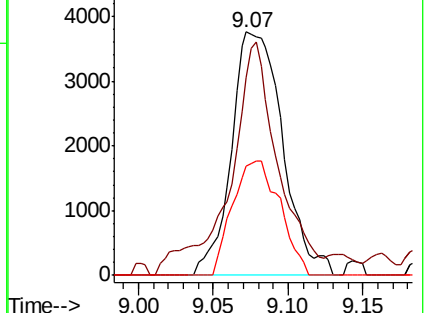
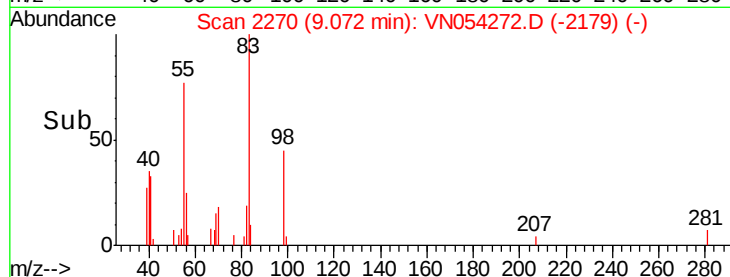
98 45.0 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#42

1,2-Dichloroethane

Concen: 1.396 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054272.D

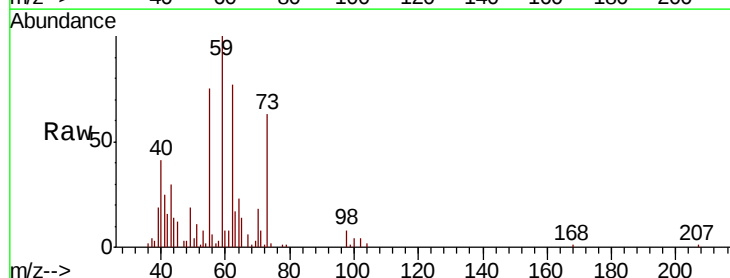
Acq: 14 Mar 2019 19:54

Tgt Ion: 62 Resp: 28460

Ion Ratio Lower Upper

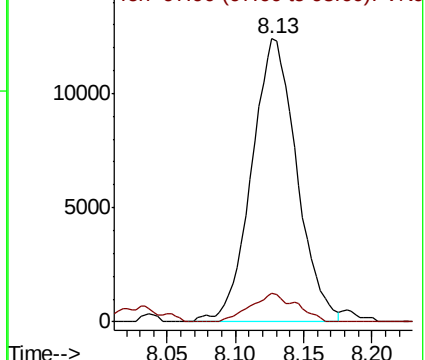
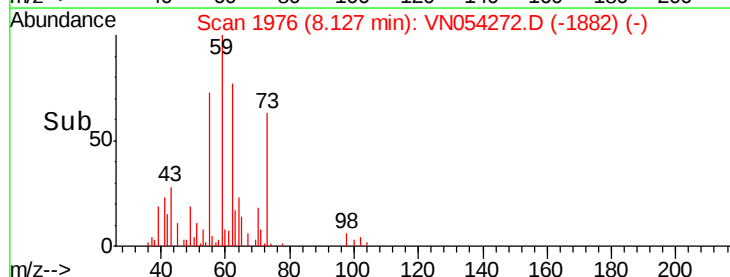
62 100

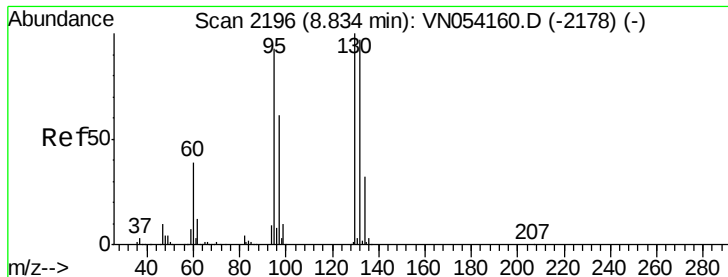
98 10.3 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#44

Trichloroethene

Concen: 0.532 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

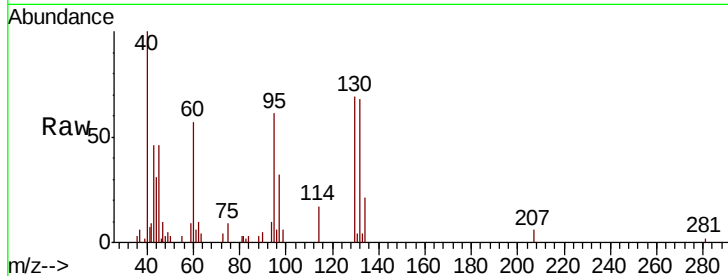
DUP-1

Tgt Ion:130 Resp: 9982

Ion Ratio Lower Upper

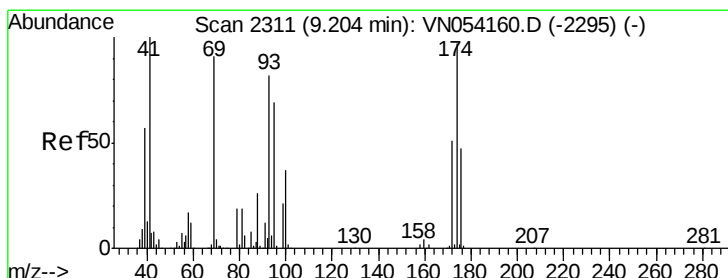
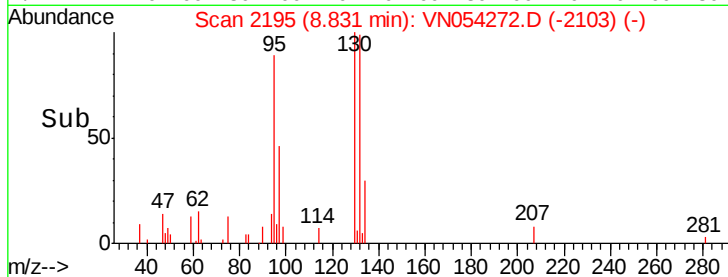
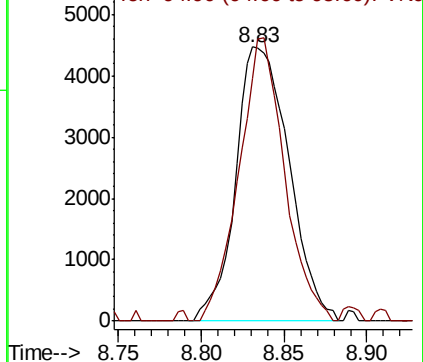
130 100

95 88.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054272.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054272.D (-2103) (-)



#49

1,4-Dioxane

Concen: 552.417 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

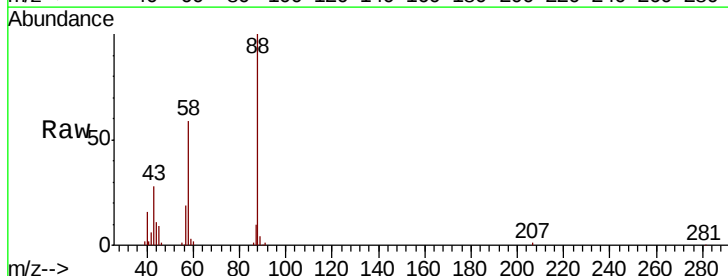
Tgt Ion: 88 Resp: 84416

Ion Ratio Lower Upper

88 100

43 23.5 24.1 36.1#

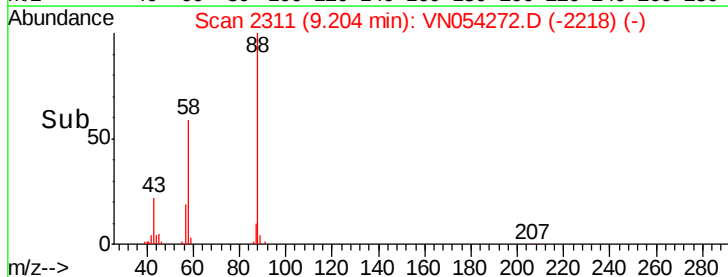
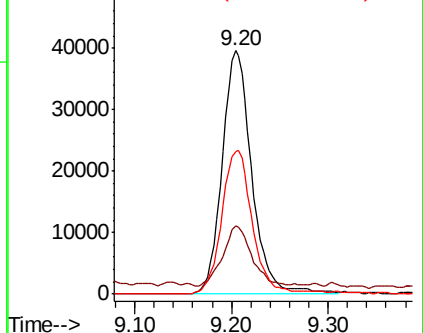
58 60.2 50.8 76.2

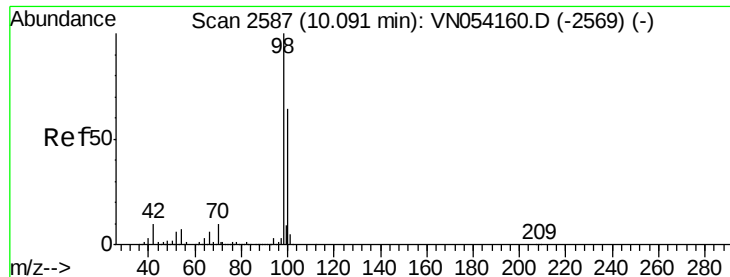


Abundance Ion 88.00 (87.70 to 88.70): VN054272.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN054272.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN054272.D (-2218) (-)





#50

Toluene-d8

Concen: 51.847 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

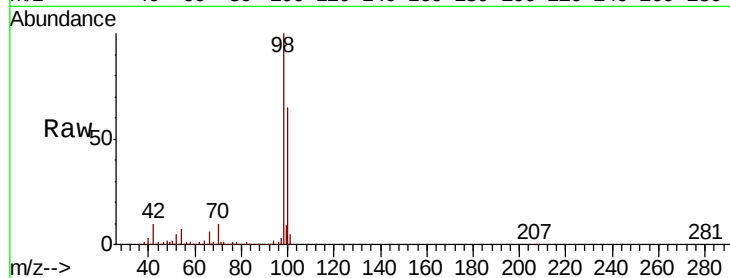
DUP-1

Tgt Ion: 98 Resp: 2830515

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

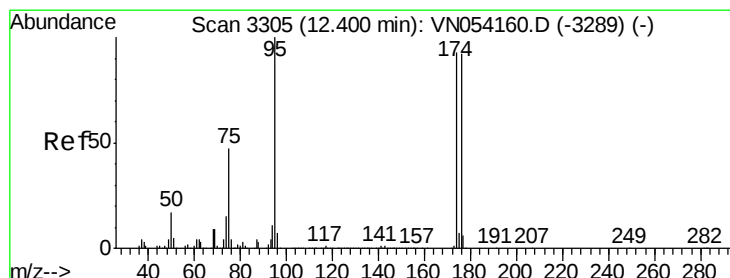
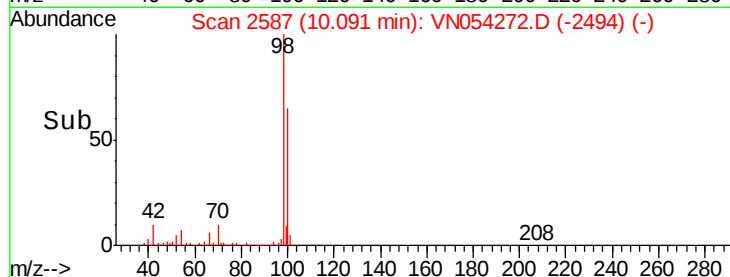
1500000

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.592 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

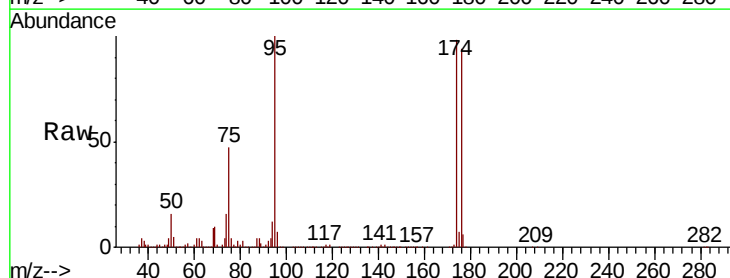
Tgt Ion: 95 Resp: 1042845

Ion Ratio Lower Upper

95 100

174 99.5 0.0 191.0

176 96.2 0.0 187.4



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

12.40

800000

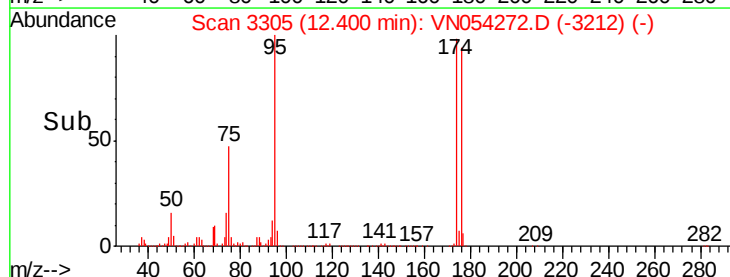
600000

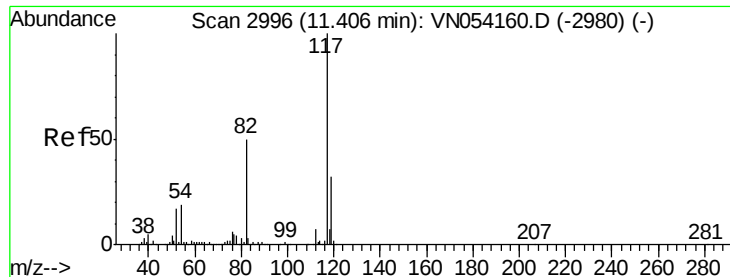
400000

200000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

DUP-1

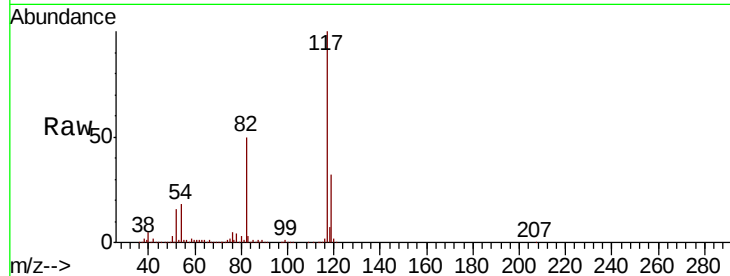
Tgt Ion:117 Resp: 2353402

Ion Ratio Lower Upper

117 100

82 49.5 40.0 60.0

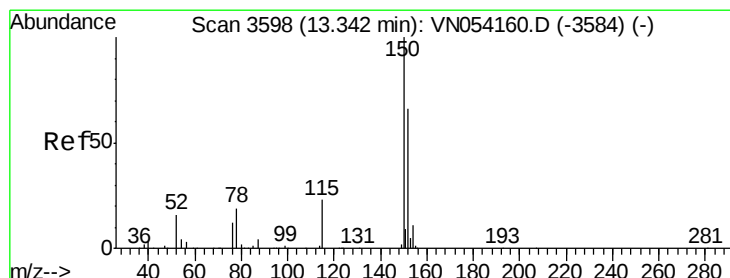
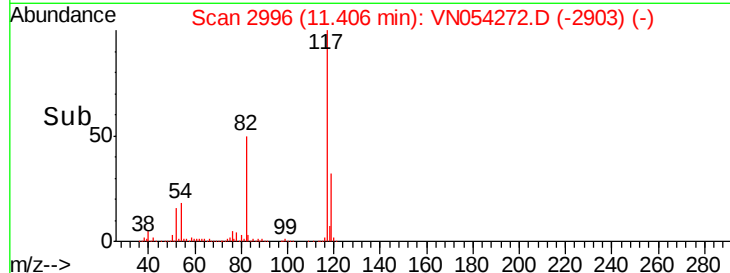
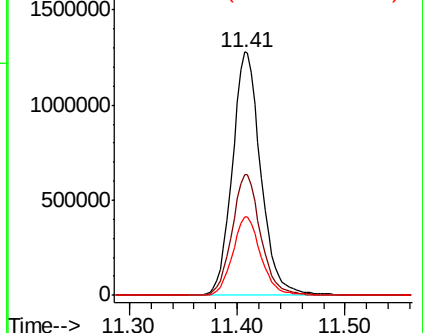
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN054272.D

Acq: 14 Mar 2019 19:54

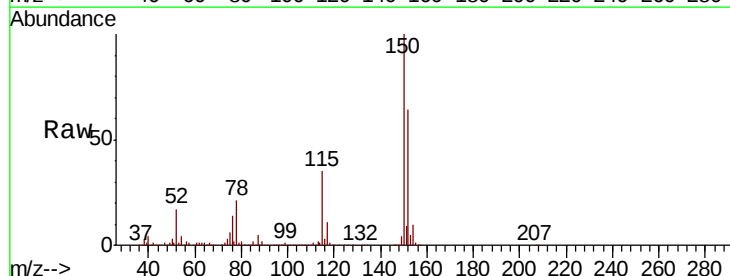
Tgt Ion:152 Resp: 956414

Ion Ratio Lower Upper

152 100

115 54.2 27.2 81.6

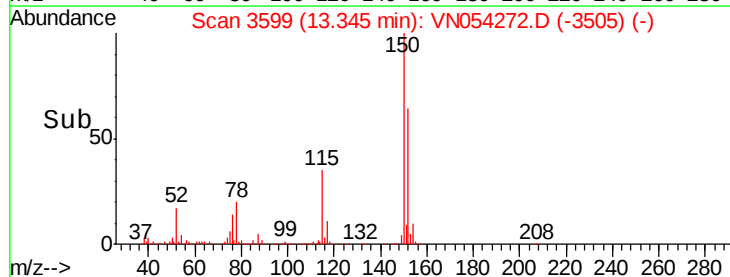
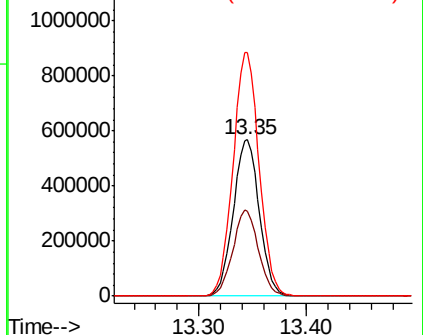
150 155.6 0.0 349.2

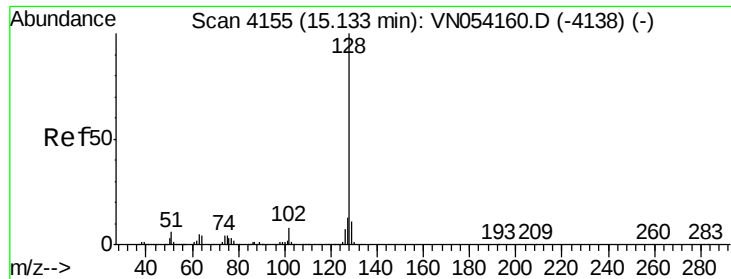


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 4.872 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054272.D

Acq: 14 Mar 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

DUP-1

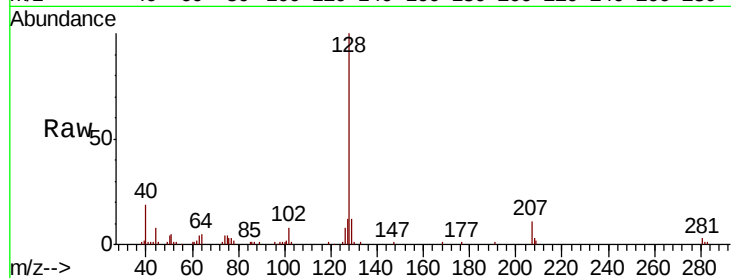
Tgt Ion:128 Resp: 63213

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 11.5 8.7 13.1



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

