

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063018\
 Data File : VN049654.D
 Acq On : 30 Jun 2018 18:18
 Operator : MD\SY
 Sample : J3752-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Jul 11 08:01:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1293403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2044686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1684499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	639784	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	839391	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
35) Dibromofluoromethane	7.59	113	745872	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	10.09	98	2777039	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
62) 4-Bromofluorobenzene	12.40	95	797218	39.03	ug/l	0.00
Spiked Amount			Recovery	=	78.06%	

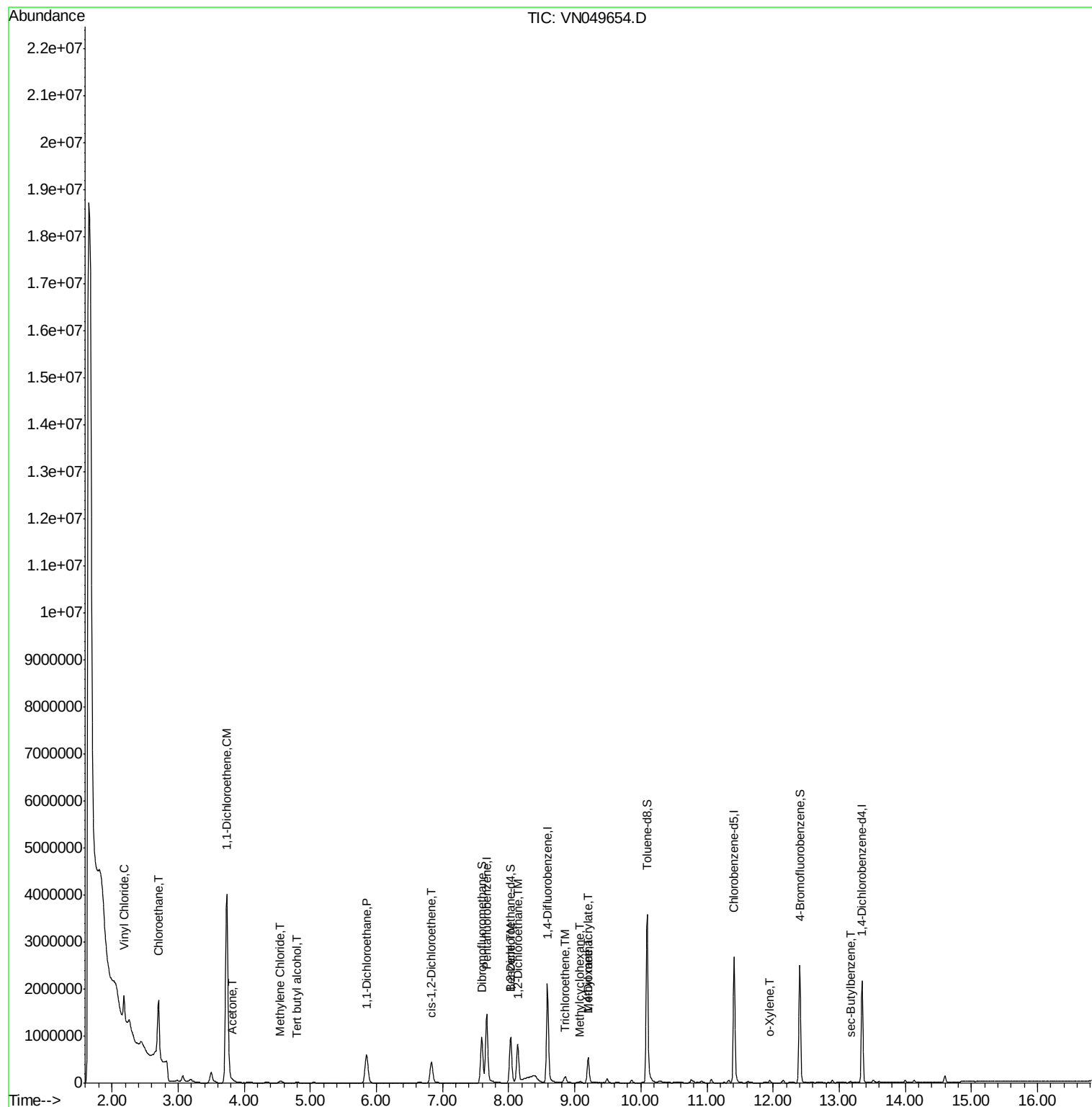
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	491461	25.135	ug/l	99
6) Chloroethane	2.70	64	1061451	85.768	ug/l	98
11) Tert butyl alcohol	4.80	59	16092	16.418	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	2331855	153.498	ug/l	99
16) Acetone	3.83	43	29807	0.722	ug/l	99
20) Methylene Chloride	4.55	84	30218	1.718	ug/l	98
24) 1,1-Dichloroethane	5.85	63	954393	32.089	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	314722	18.021	ug/l	89
39) Methylcyclohexane	9.08	83	9566	0.379	ug/l	95
40) Benzene	8.04	78	55949	0.797	ug/l	97
42) 1,2-Dichloroethane	8.13	62	168543	7.519	ug/l	99
44) Trichloroethene	8.84	130	16789	0.793	ug/l	96
48) Methyl methacrylate	9.19	41	7361	0.617	ug/l #	46
49) 1,4-Dioxane	9.20	88	452021	2819.951	ug/l	95
69) o-Xylene	11.95	106	13311m	0.499	ug/l	
85) sec-Butylbenzene	13.17	105	12568	0.261	ug/l	80

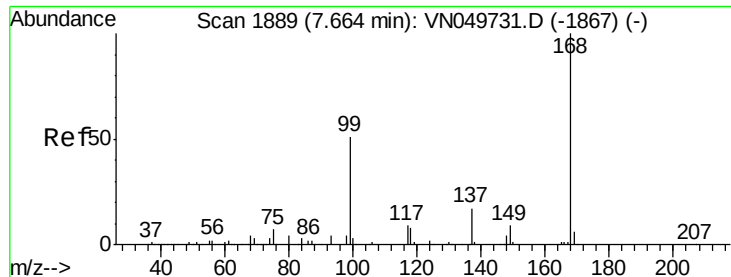
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063018\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

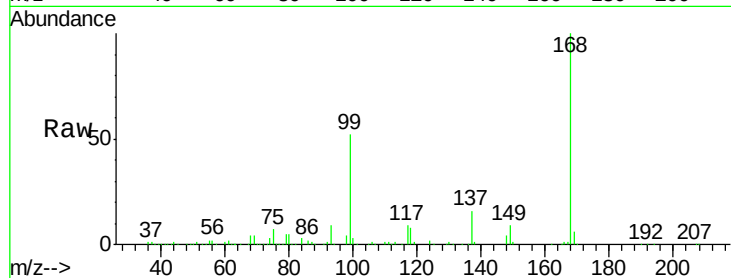
MW-1

Tgt Ion:168 Resp: 1293403

Ion Ratio Lower Upper

168 100

99 52.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

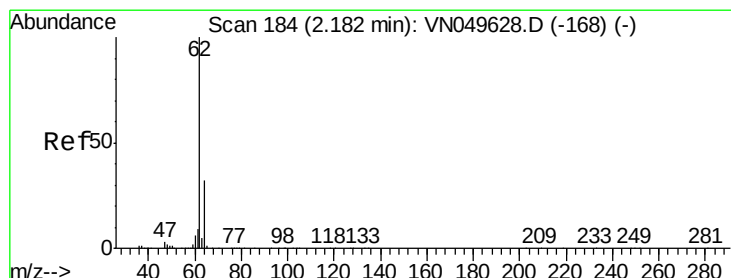
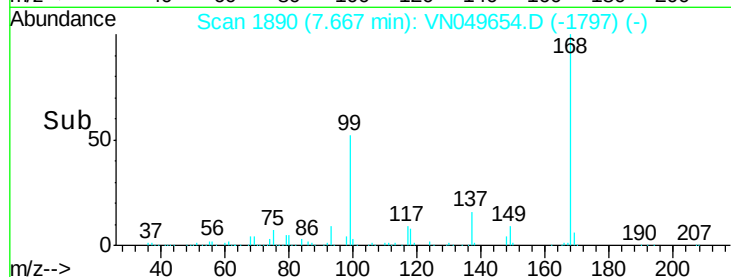
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 25.135 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049654.D

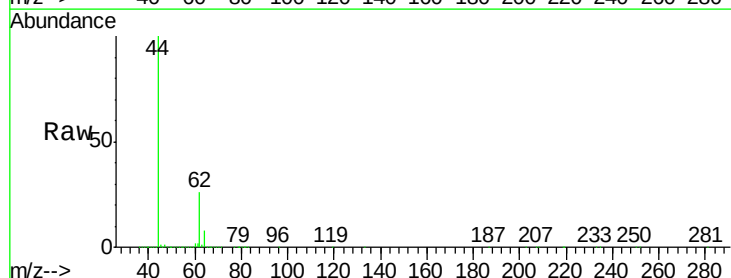
Acq: 30 Jun 2018 18:18

Tgt Ion: 62 Resp: 491461

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

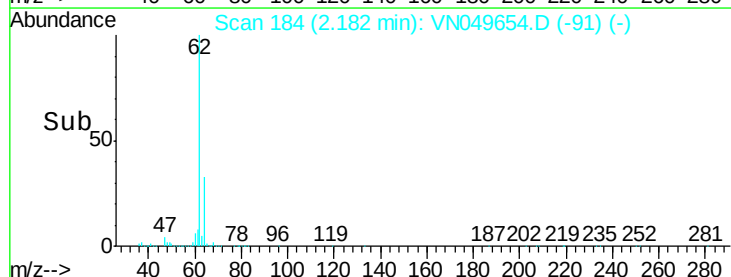
300000

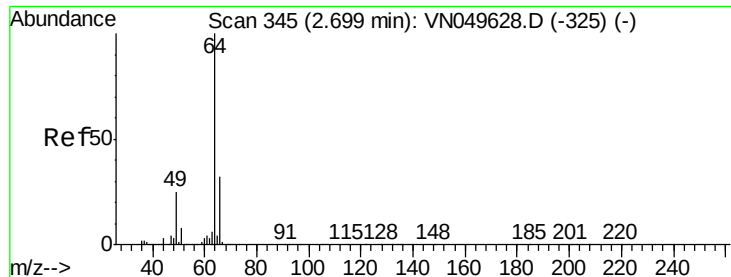
200000

100000

0

Time-->





#6

Chloroethane

Concen: 85.768 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampled :

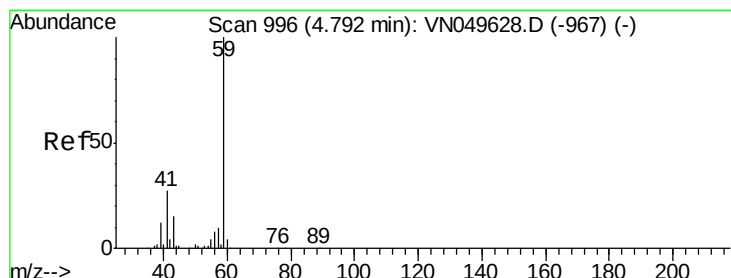
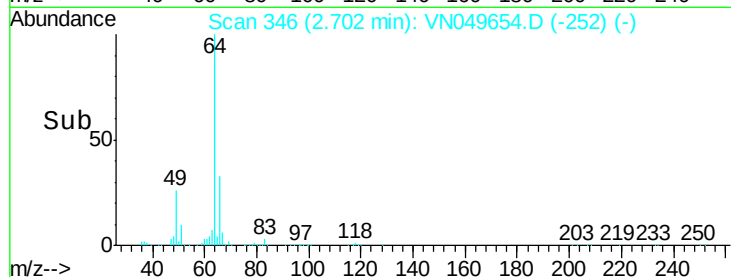
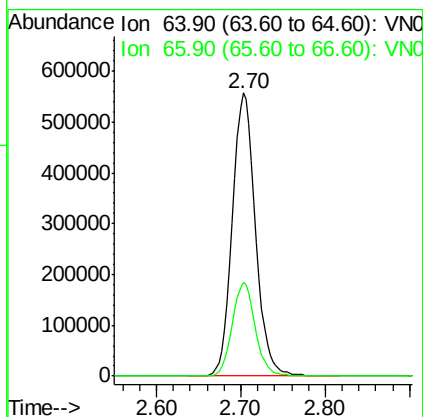
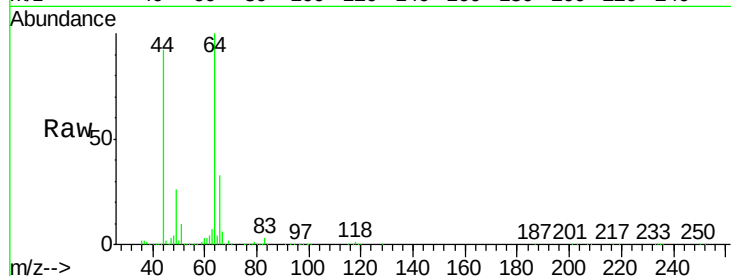
MW-1

Tgt Ion: 64 Resp: 1061451

Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4



#11

Tert butyl alcohol

Concen: 16.418 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.01 min

Lab File: VN049654.D

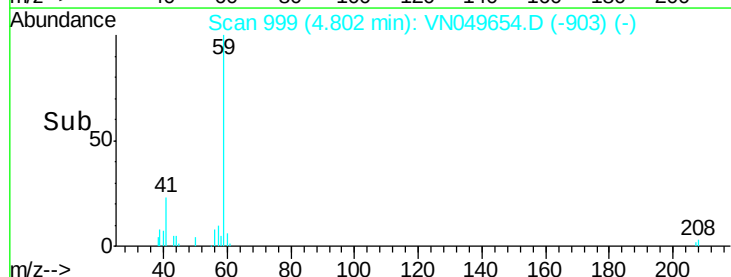
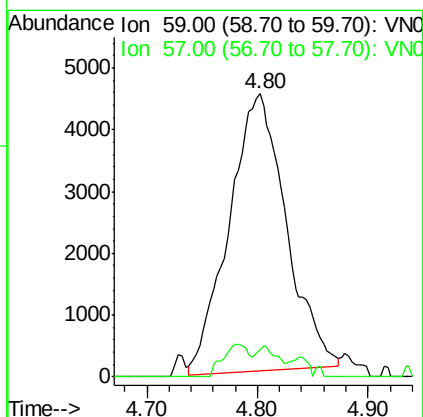
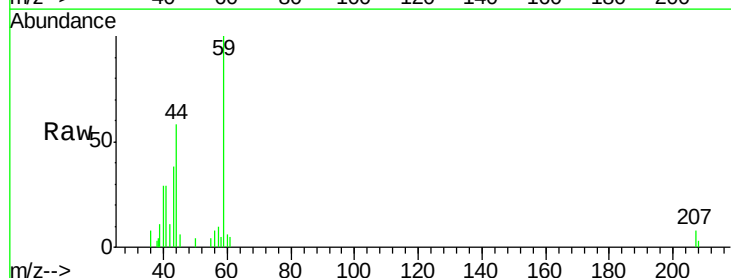
Acq: 30 Jun 2018 18:18

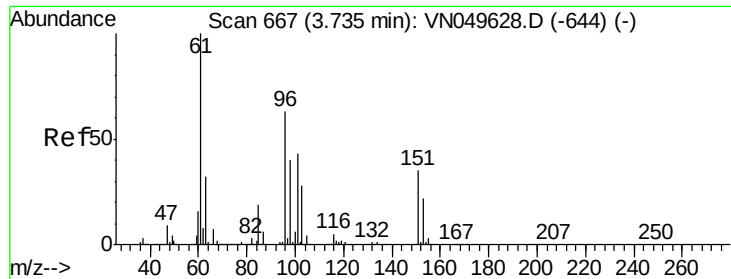
Tgt Ion: 59 Resp: 16092

Ion Ratio Lower Upper

59 100

57 4.1 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 153.498 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampled :

MW-1

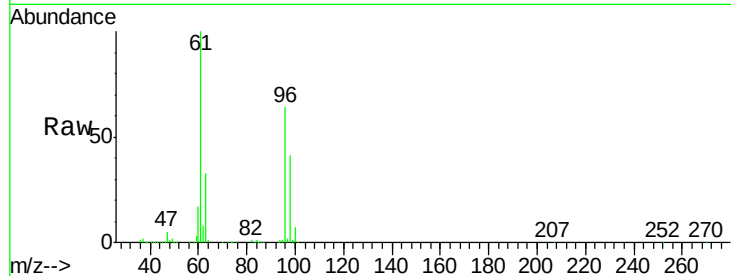
Tgt Ion: 96 Resp: 2331855

Ion Ratio Lower Upper

96 100

61 157.0 126.5 189.7

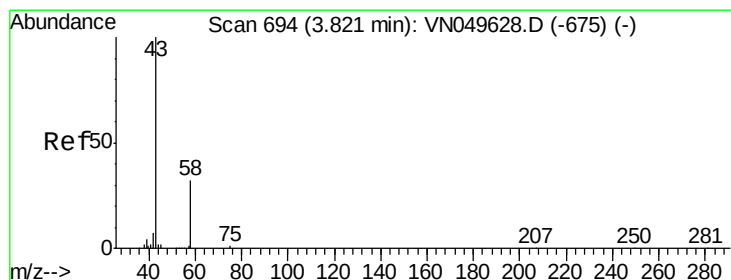
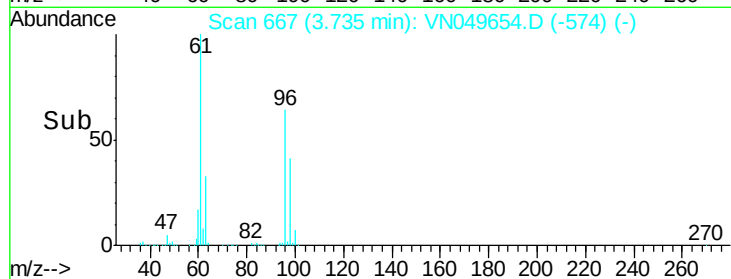
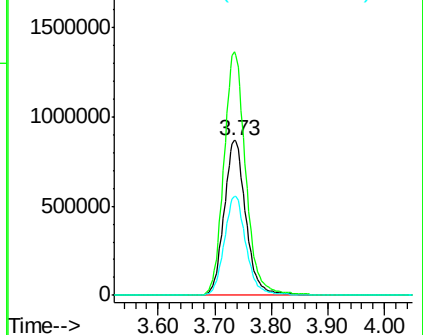
98 64.0 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VN049628.D (-644) (-)

Ion 60.90 (60.60 to 61.60): VN049628.D (-644) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-644) (-)



#16

Acetone

Concen: 0.722 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049654.D

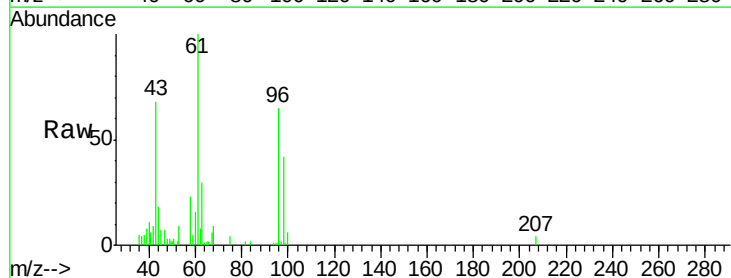
Acq: 30 Jun 2018 18:18

Tgt Ion: 43 Resp: 29807

Ion Ratio Lower Upper

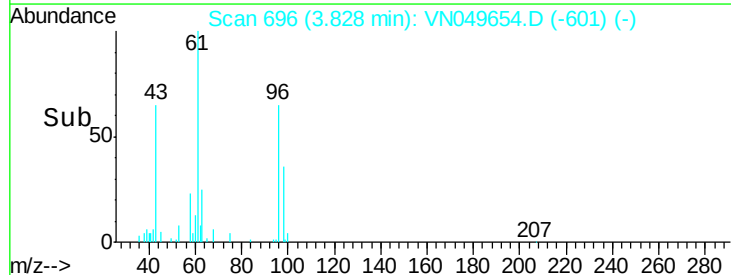
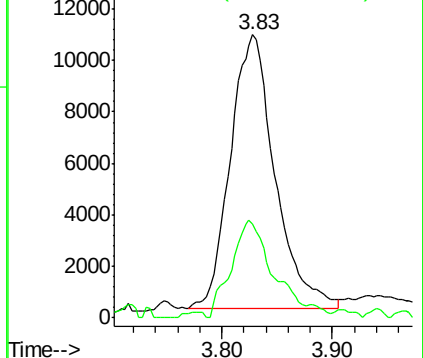
43 100

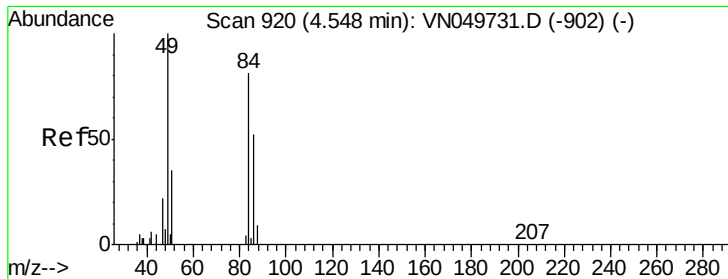
58 32.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-675) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-675) (-)

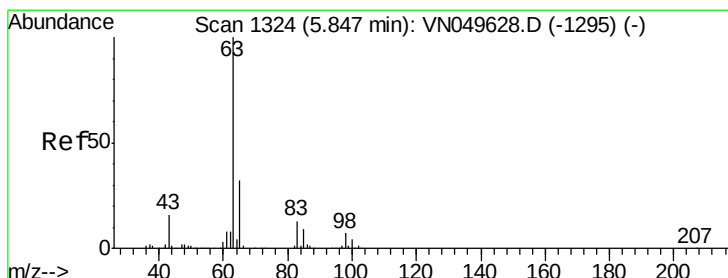
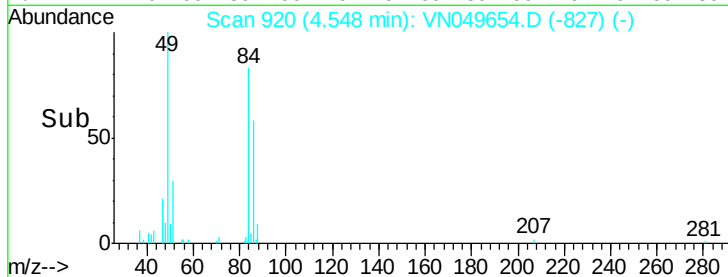
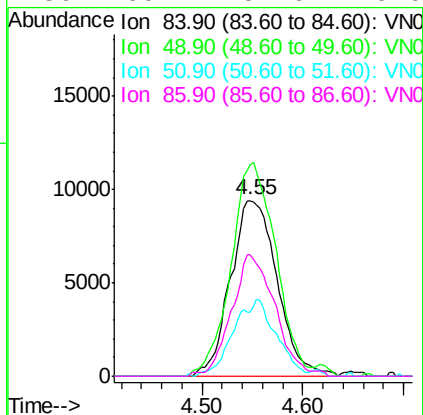
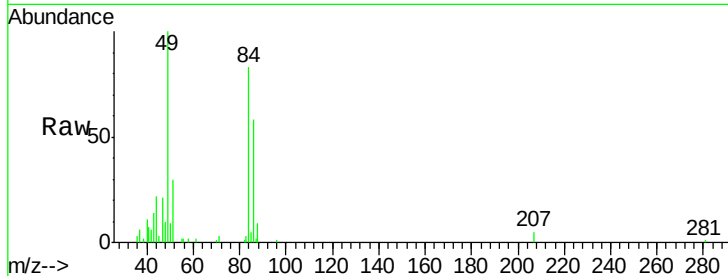




#20
Methylene Chloride
Concen: 1.718 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

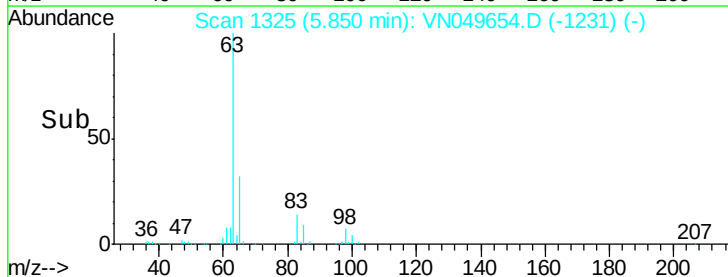
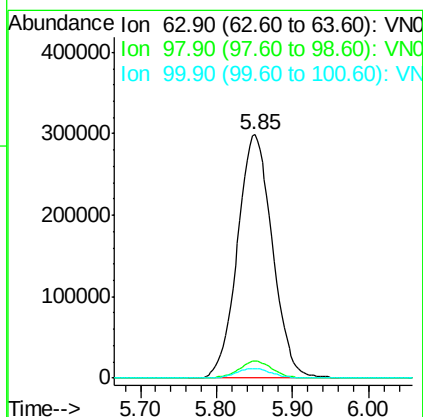
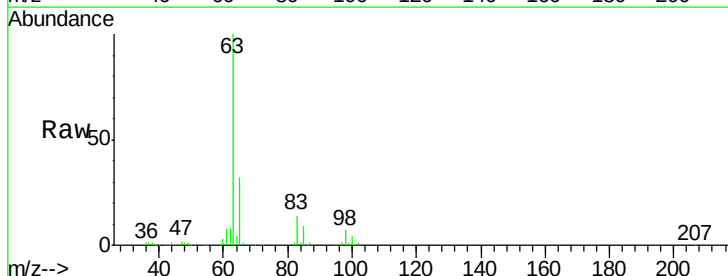
Instrument :
MSVOA_N
ClientSampled :
MW-1

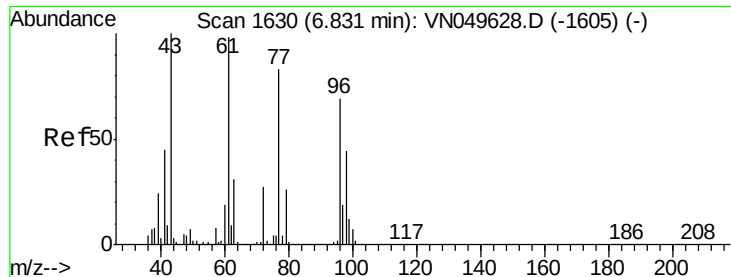
Tgt Ion:	84	Resp:	30218
Ion	Ratio	Lower	Upper
84	100		
49	120.3	95.4	143.2
51	36.3	28.4	42.6
86	69.2	52.6	79.0



#24
1,1-Dichloroethane
Concen: 32.089 ug/l
RT: 5.85 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

Tgt Ion:	63	Resp:	954393
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.2
100	3.9	2.2	6.6





#27

cis-1,2-Dichloroethene

Concen: 18.021 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1

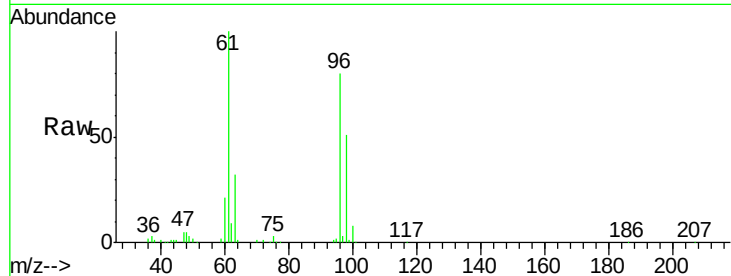
Tgt Ion: 96 Resp: 314722

Ion Ratio Lower Upper

96 100

61 125.0 0.0 289.0

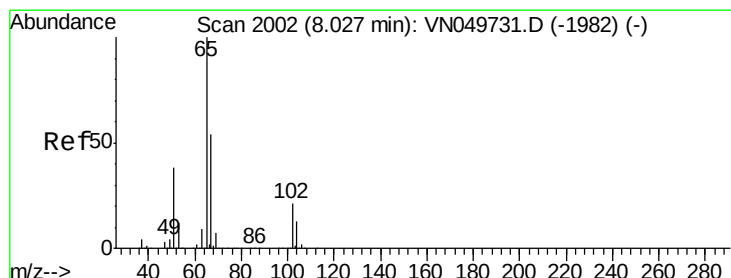
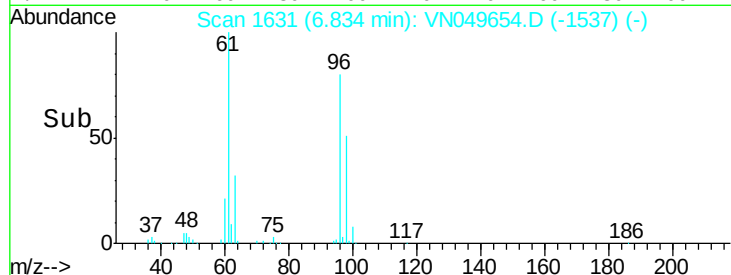
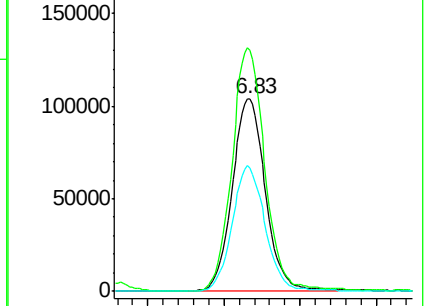
98 65.0 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VN049628.D (-1605) (-)

Ion 60.90 (60.60 to 61.60): VN049628.D (-1605) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-1605) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.143 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049654.D

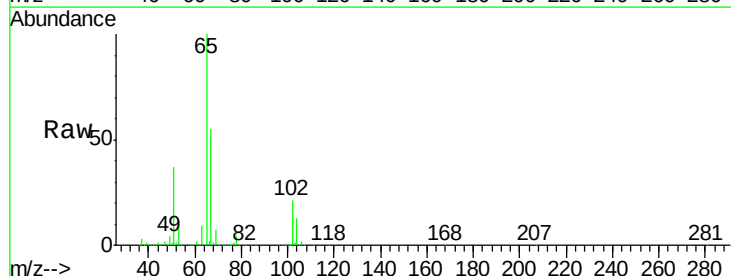
Acq: 30 Jun 2018 18:18

Tgt Ion: 65 Resp: 839391

Ion Ratio Lower Upper

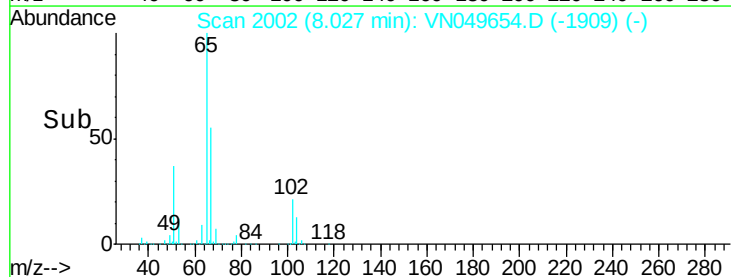
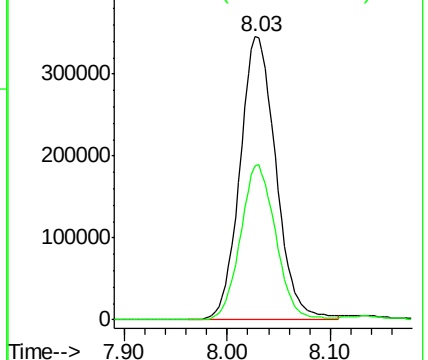
65 100

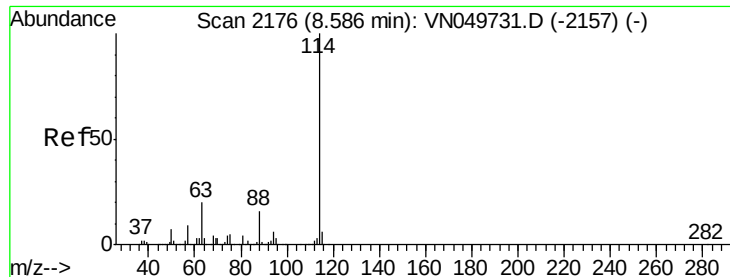
67 53.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049731.D (-1982) (-)

Ion 66.90 (66.60 to 67.60): VN049731.D (-1982) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1

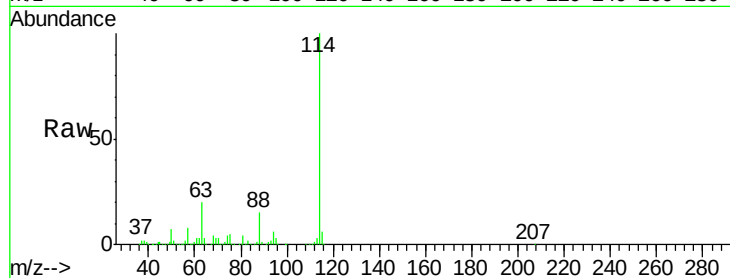
Tgt Ion:114 Resp: 2044686

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.8

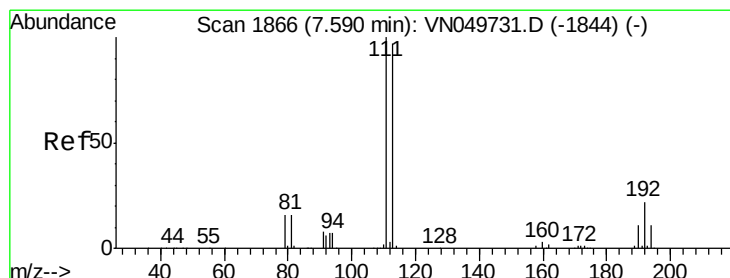
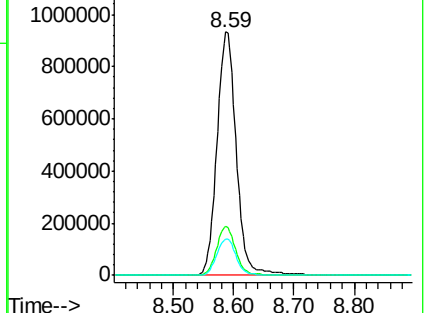
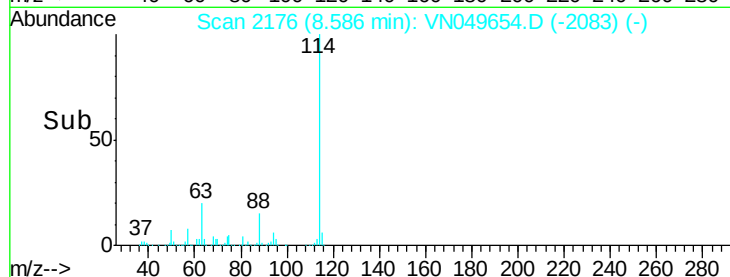
88 15.1 0.0 30.6



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: 48.794 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

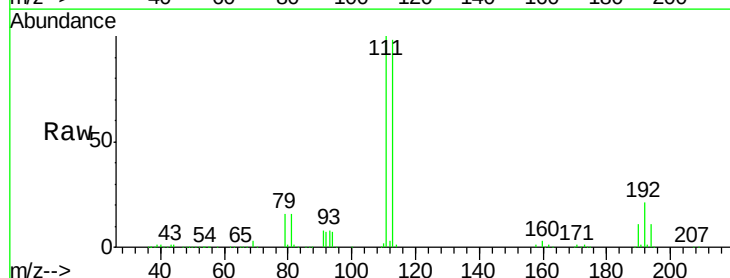
Tgt Ion:113 Resp: 745872

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

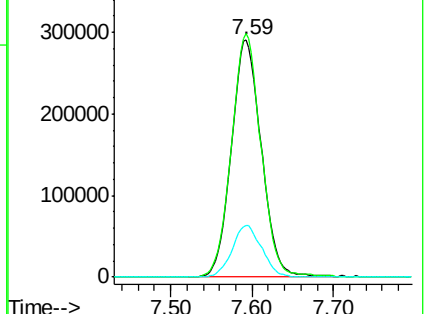
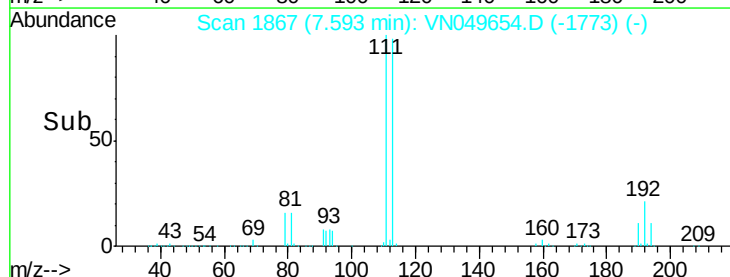
192 21.6 17.8 26.6

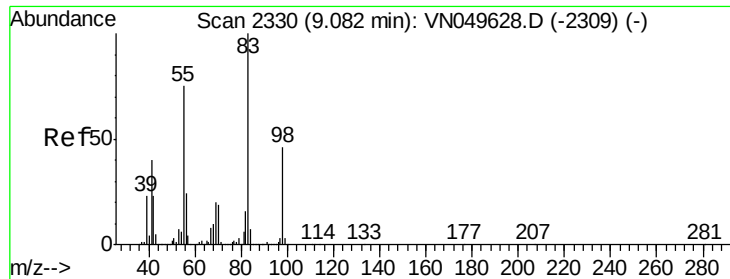


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

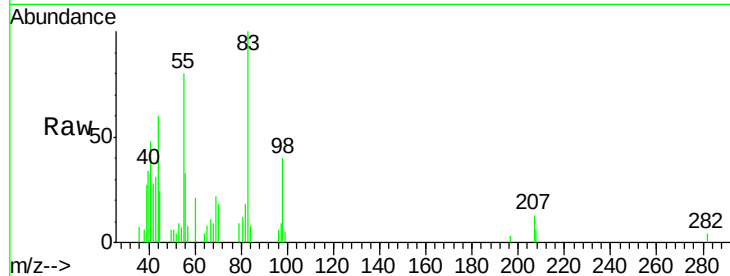




#39
Methylcyclohexane
Concen: 0.379 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
MW-1

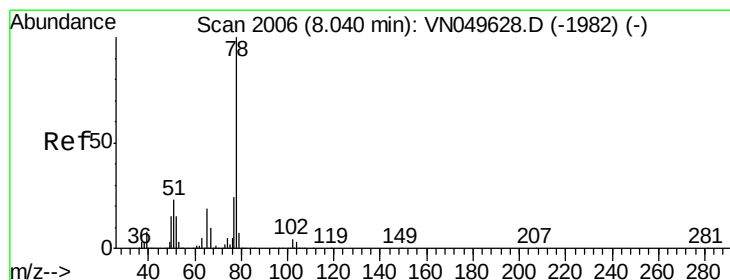
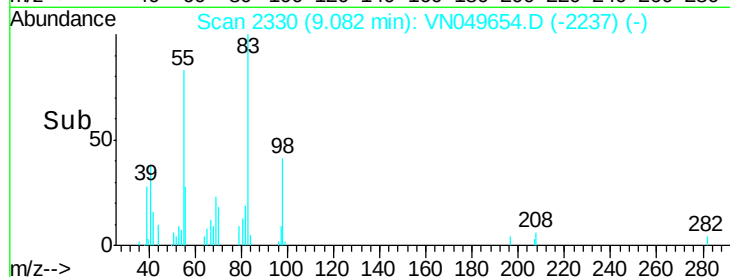
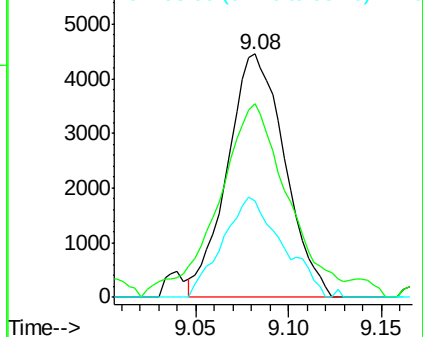
Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.2	59.7	89.5
98	39.5	36.5	54.7



Abundance Ion 83.00 (82.70 to 83.70): VN049628.D (-2309) (-)

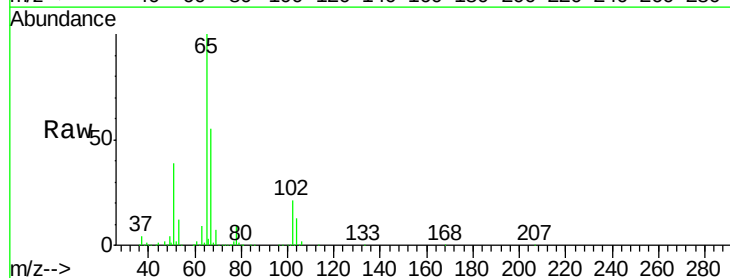
Ion 55.00 (54.70 to 55.70): VN049628.D (-2309) (-)

Ion 98.00 (97.70 to 98.70): VN049628.D (-2309) (-)



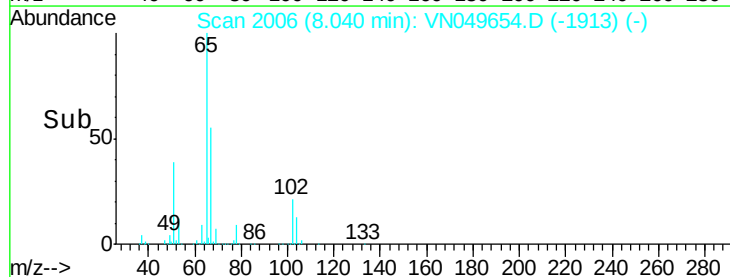
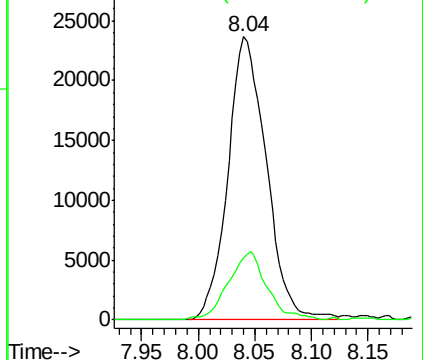
#40
Benzene
Concen: 0.797 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

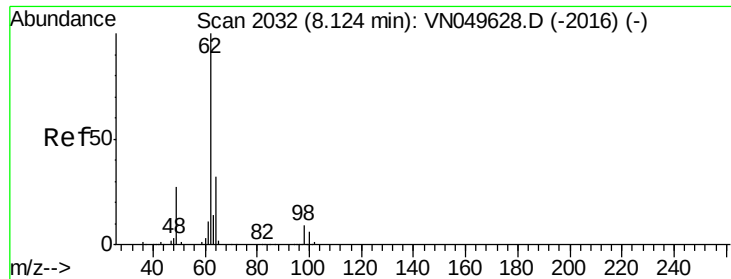
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VN049628.D (-1982) (-)

Ion 77.00 (76.70 to 77.70): VN049628.D (-1982) (-)





#42

1,2-Dichloroethane

Concen: 7.519 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampled :

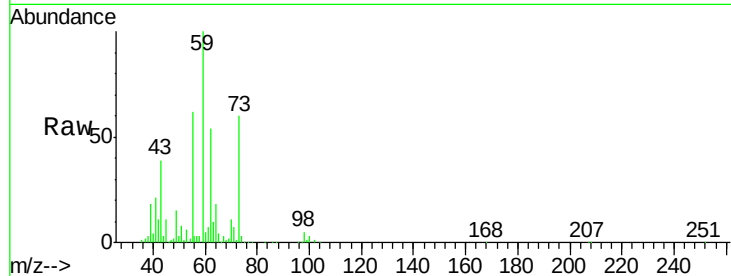
MW-1

Tgt Ion: 62 Resp: 168543

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN049628.D (-2016) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-2016) (-)

8.13

80000

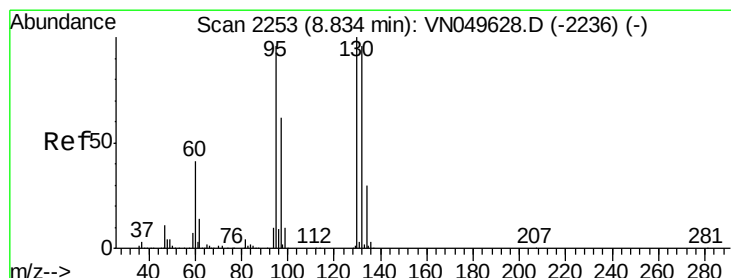
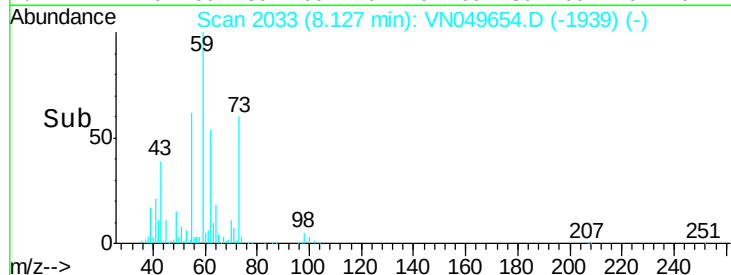
60000

40000

20000

0

Time--> 8.00 8.10 8.20



#44

Trichloroethene

Concen: 0.793 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049654.D

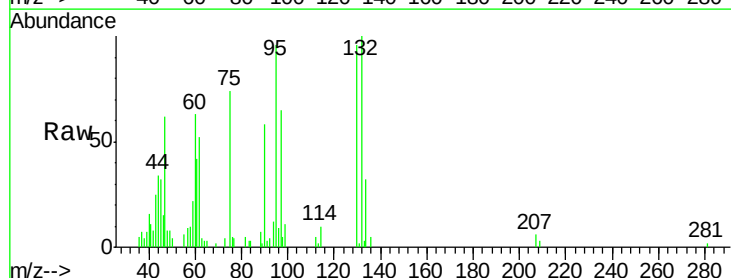
Acq: 30 Jun 2018 18:18

Tgt Ion: 130 Resp: 16789

Ion Ratio Lower Upper

130 100

95 99.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049628.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049628.D (-2236) (-)

8.84

8000

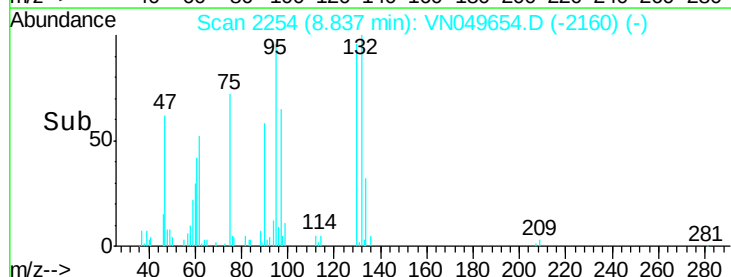
6000

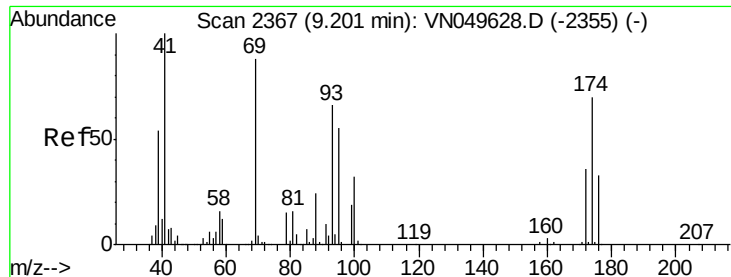
4000

2000

0

Time--> 8.75 8.80 8.85 8.90

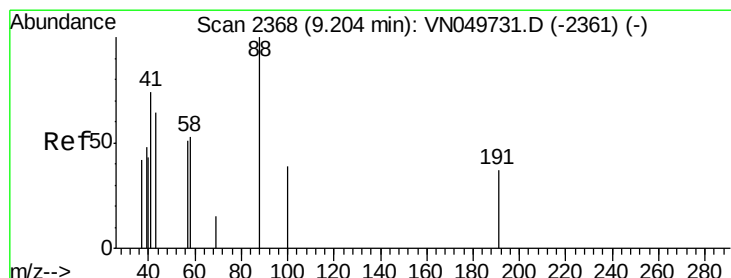
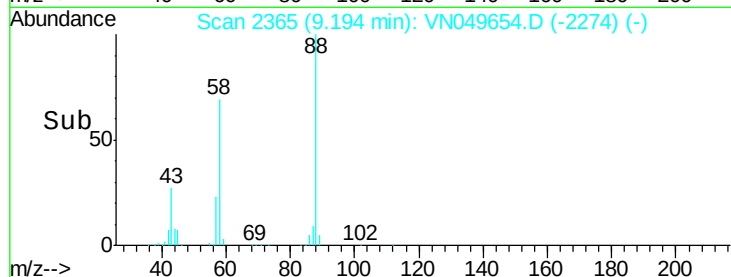
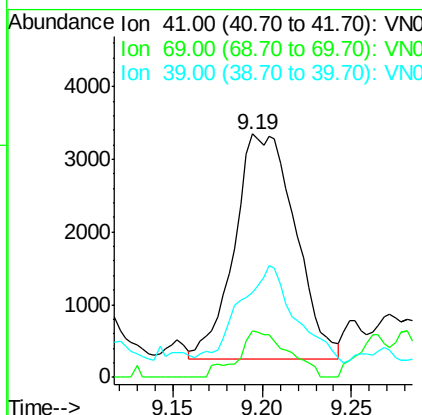
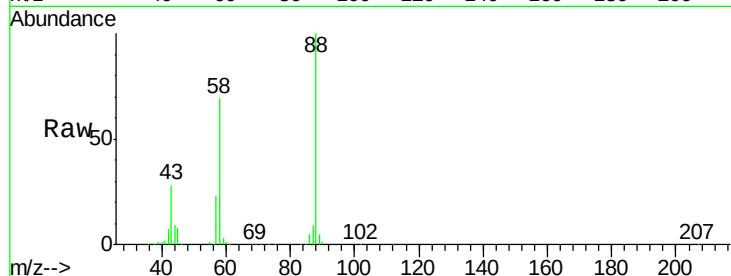




#48
Methyl methacrylate
Concen: 0.617 ug/l
RT: 9.19 min Scan# 2365
Delta R.T. -0.01 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

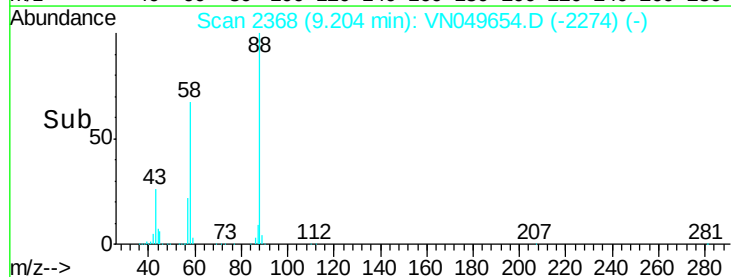
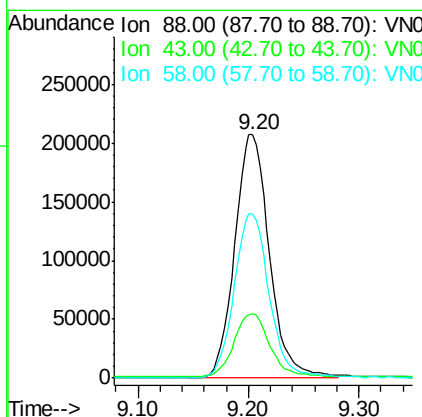
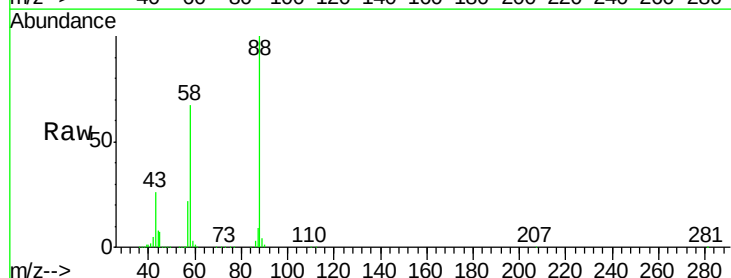
Instrument :
MSVOA_N
ClientSampled :
MW-1

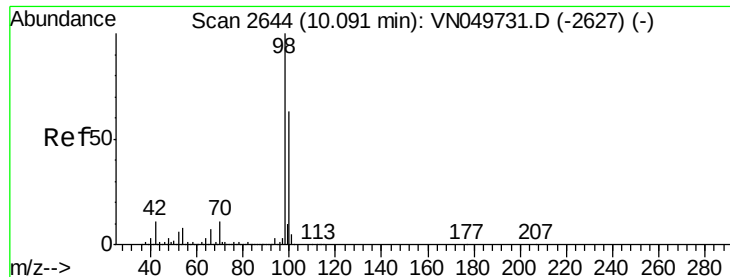
Tgt Ion: 41 Resp: 7361
Ion Ratio Lower Upper
41 100
69 15.3 71.5 107.3#
39 45.1 44.7 67.1



#49
1,4-Dioxane
Concen: 2819.951 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

Tgt Ion: 88 Resp: 452021
Ion Ratio Lower Upper
88 100
43 26.5 25.1 37.7
58 68.5 52.5 78.7





#50

Toluene-d8

Concen: 46.413 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampled :

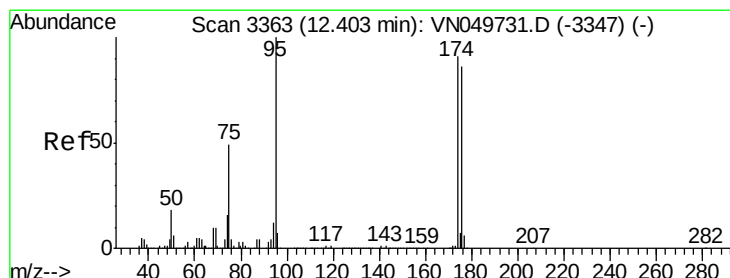
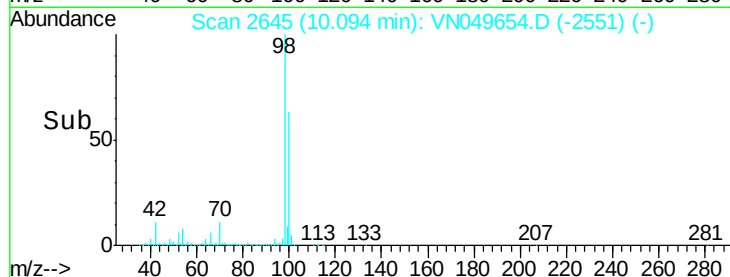
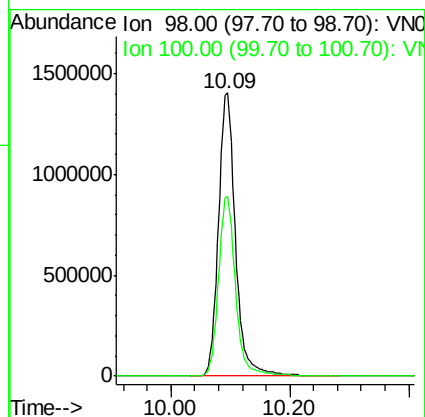
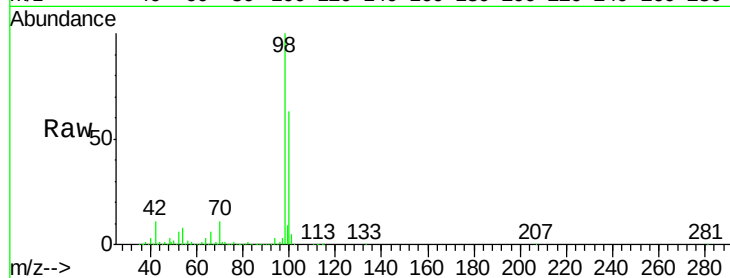
MW-1

Tgt Ion: 98 Resp: 2777039

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 39.026 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

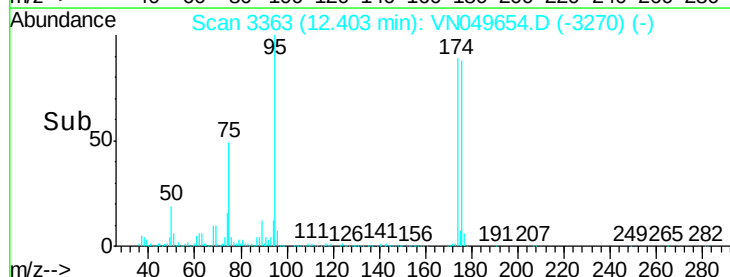
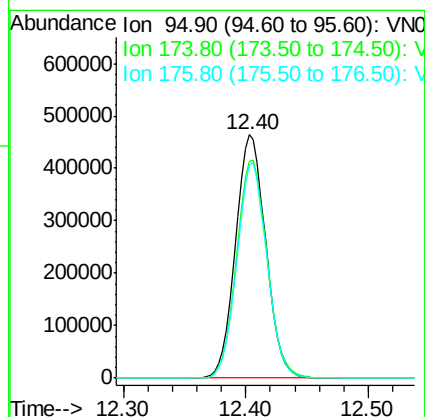
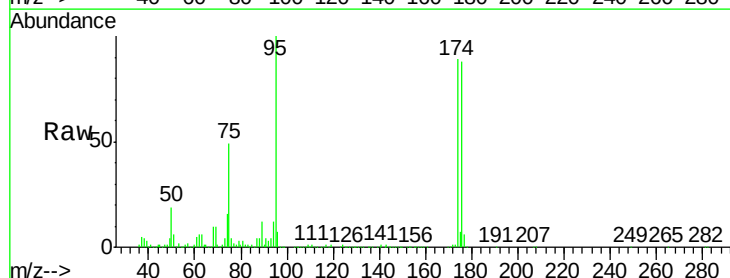
Tgt Ion: 95 Resp: 797218

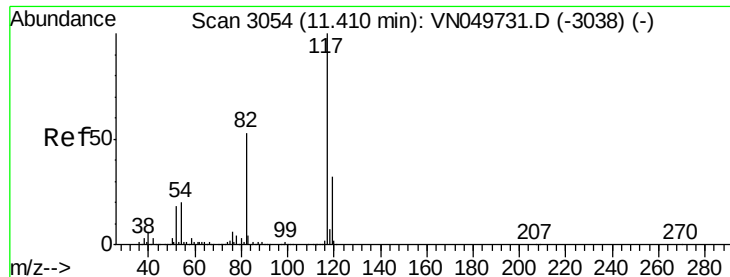
Ion Ratio Lower Upper

95 100

174 90.9 0.0 179.6

176 87.6 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampled :

MW-1

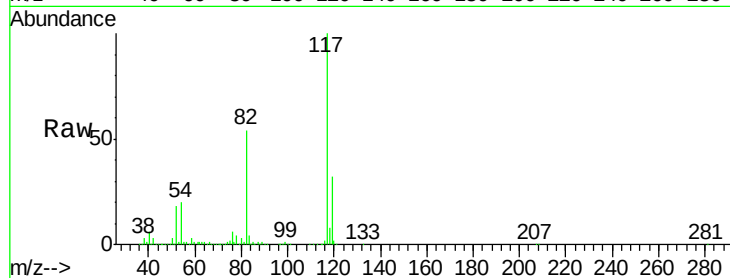
Tgt Ion:117 Resp: 1684499

Ion Ratio Lower Upper

117 100

82 53.9 41.9 62.9

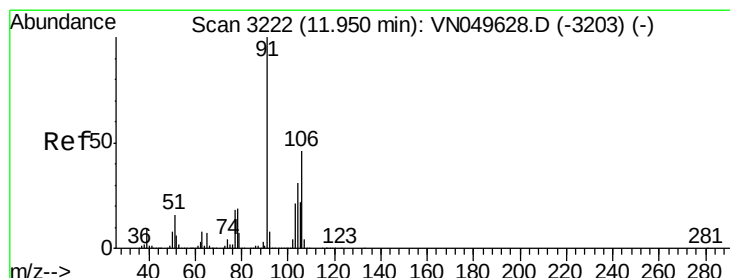
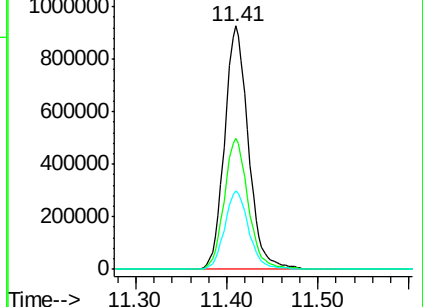
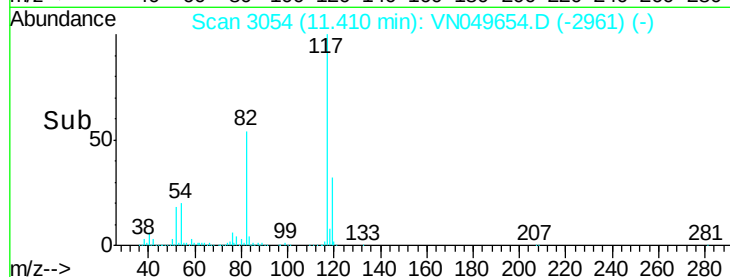
119 32.1 25.4 38.2



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



#69

o-Xylene

Concen: 0.499 ug/l m

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN049654.D

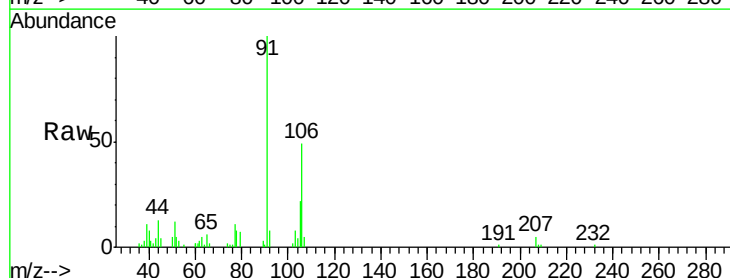
Acq: 30 Jun 2018 18:18

Tgt Ion:106 Resp: 13311

Ion Ratio Lower Upper

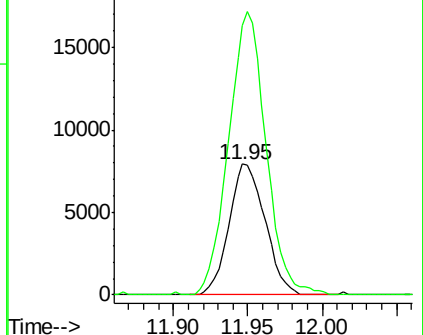
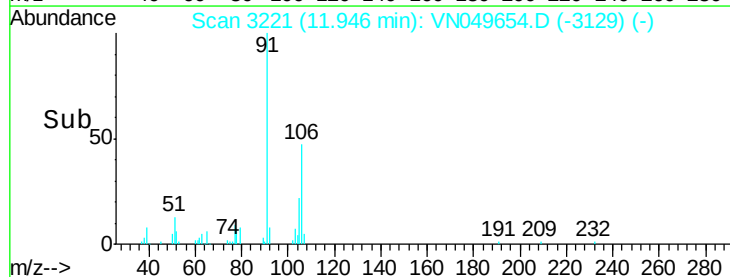
106 100

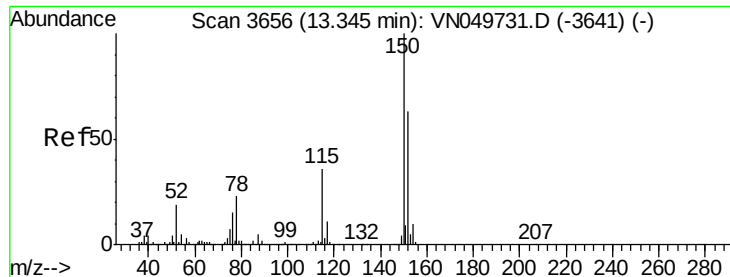
91 0.0 108.7 326.1#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1

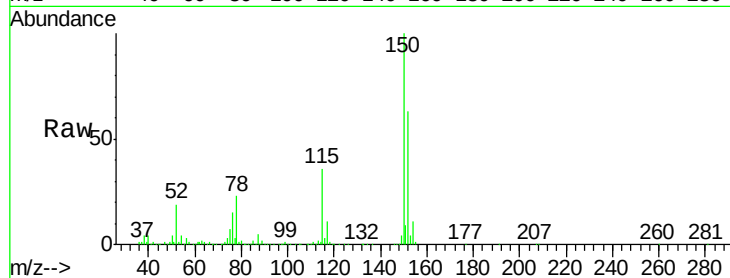
Tgt Ion:152 Resp: 639784

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.2

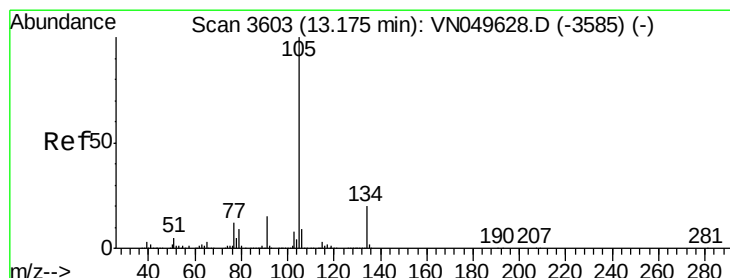
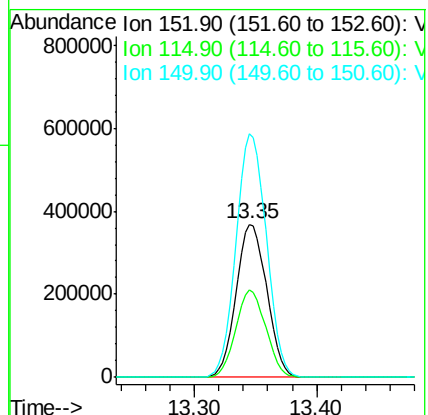
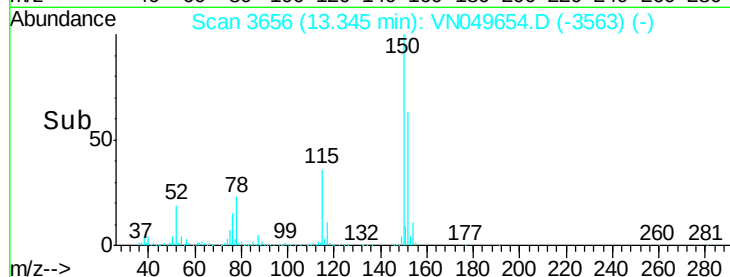
150 158.0 0.0 347.6



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



#85

sec-Butylbenzene

Concen: 0.261 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049654.D

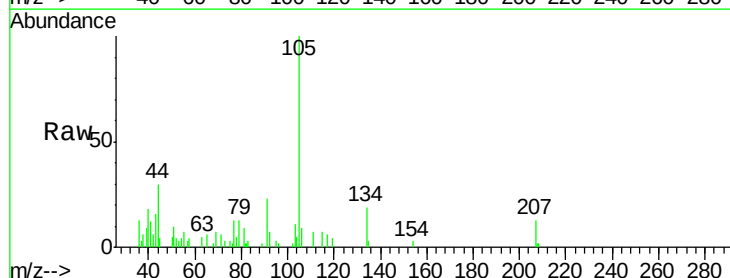
Acq: 30 Jun 2018 18:18

Tgt Ion:105 Resp: 12568

Ion Ratio Lower Upper

105 100

134 29.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

