

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
 Data File : VN049508.D
 Acq On : 22 Jun 2018 22:24
 Operator : MD\SY
 Sample : J3570-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20180375-COMPOSITE-CS-1A-ELU

Quant Time: Jun 22 23:50:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1174381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1872031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1527884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	455101	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	791994	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	7.59	113	708340	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
50) Toluene-d8	10.09	98	2543262	44.10	ug/l	0.00
Spiked Amount			Recovery	=	88.20%	
62) 4-Bromofluorobenzene	12.40	95	641350	33.63	ug/l	0.00
Spiked Amount			Recovery	=	67.26%	

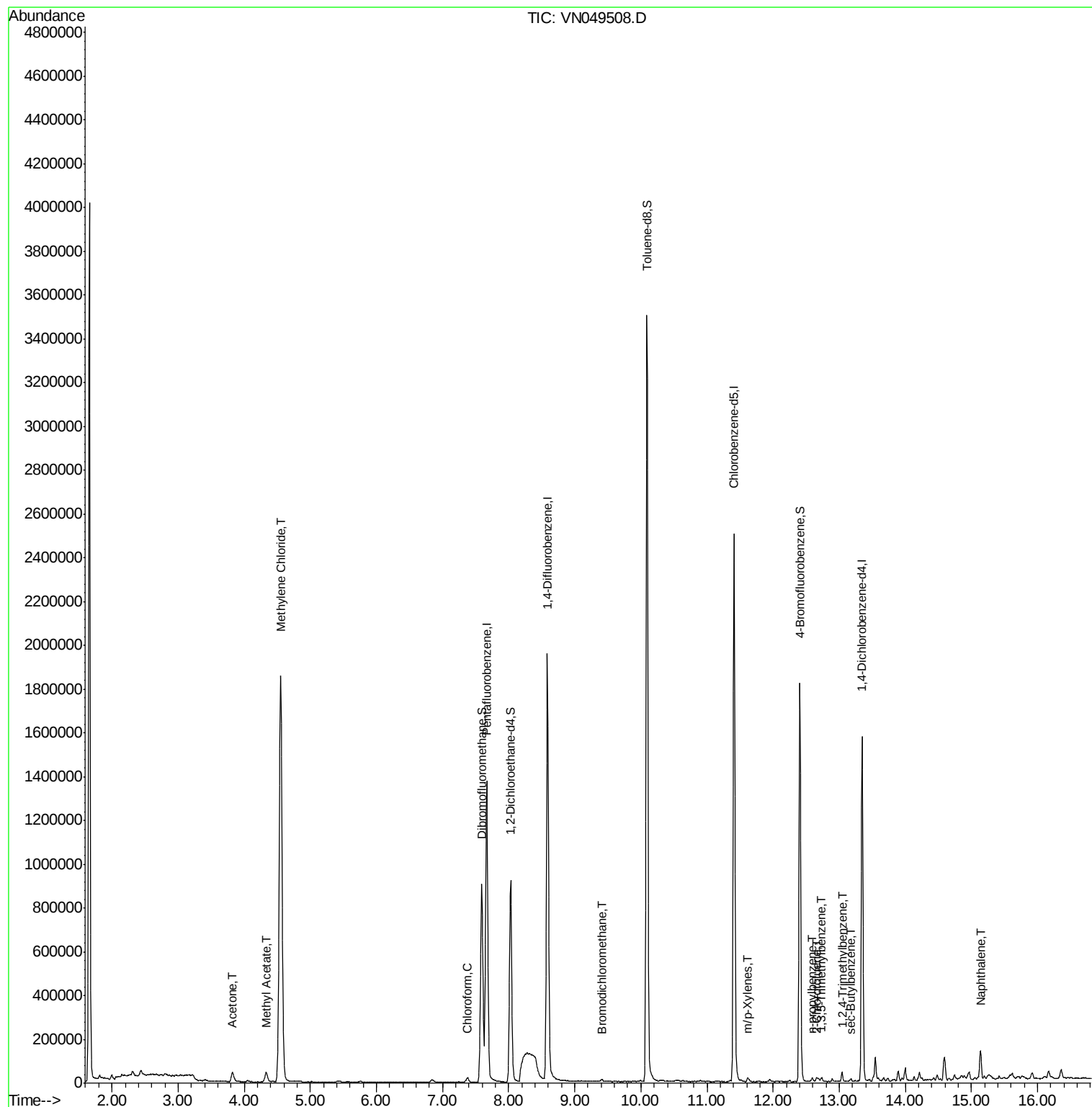
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	72931	19.28	ug/l	97
18) Methyl Acetate	4.33	43	82537	7.16	ug/l	94
20) Methylene Chloride	4.55	84	1434934	90.84	ug/l	91
30) Chloroform	7.38	83	20376	0.75	ug/l	92
47) Bromodichloromethane	9.40	83	8129	0.37	ug/l #	96
68) m/p-Xylenes	11.62	106	5602	0.23	ug/l	92
78) n-propylbenzene	12.59	91	10926	0.25	ug/l	99
79) 2-Chlorotoluene	12.67	91	6192	0.22	ug/l	73
80) 1,3,5-Trimethylbenzene	12.73	105	7391	0.24	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	24061	0.77	ug/l	92
85) sec-Butylbenzene	13.17	105	7485	0.20	ug/l	91
95) Naphthalene	15.14	128	120235	11.36	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062218\
Data File : VN049508.D
Acq On : 22 Jun 2018 22:24
Operator : MD\SY
Sample : J3570-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
20180375-COMPOSITE-CS-1A-ELU

Quant Time: Jun 22 23:50:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049508.D

Acq: 22 Jun 2018 22:24

Instrument :

MSVOA_N

ClientSampleId :

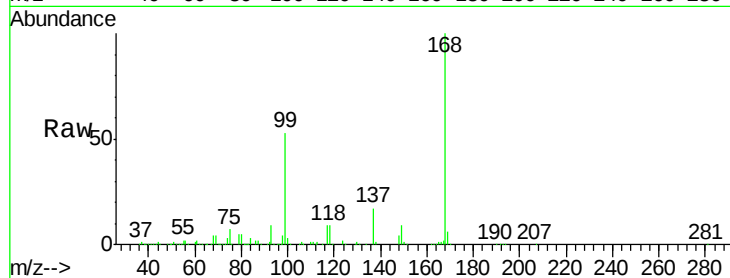
20180375-COMPOSITE-CS-1A-ELU

Tot Ion:168 Resp: 1174381

Ion Ratio Lower Upper

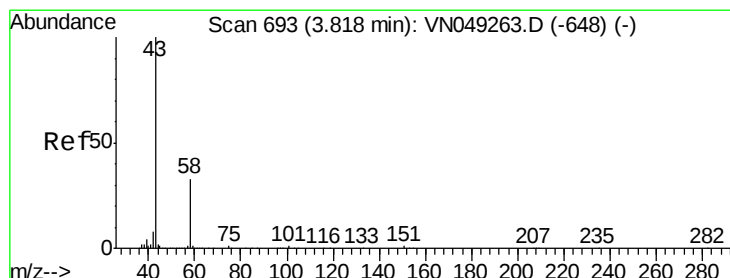
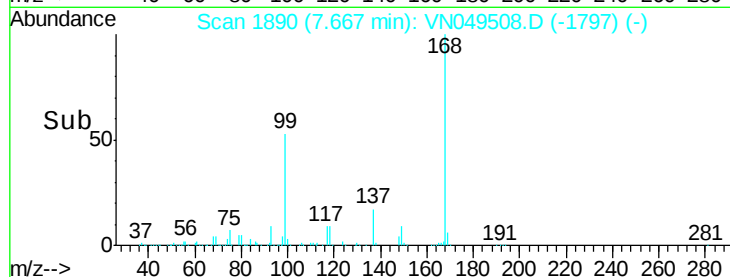
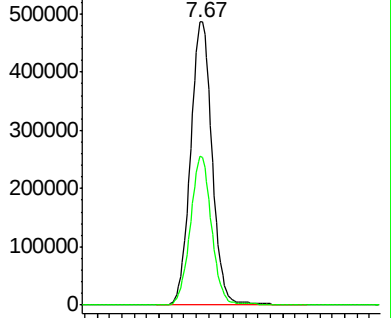
168 100

99 52.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 19.28 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049508.D

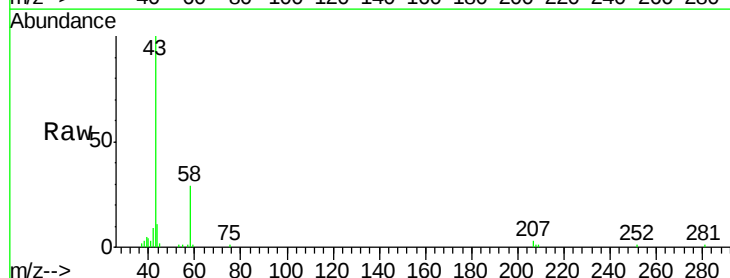
Acq: 22 Jun 2018 22:24

Tgt Ion: 43 Resp: 72931

Ion Ratio Lower Upper

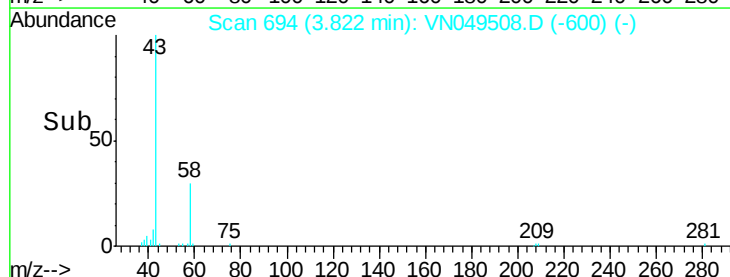
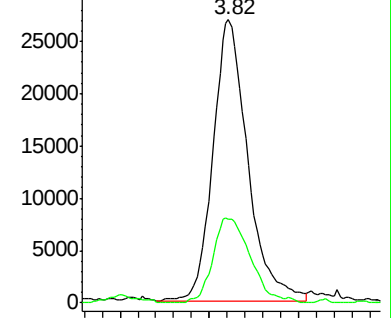
43 100

58 29.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

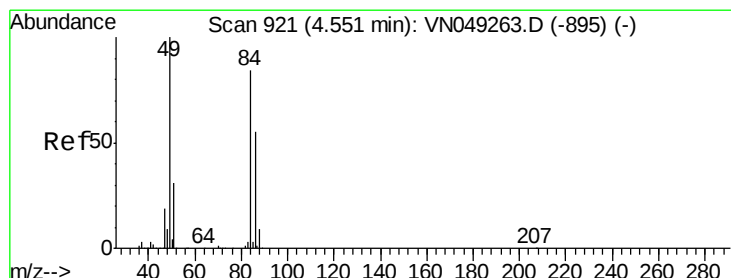
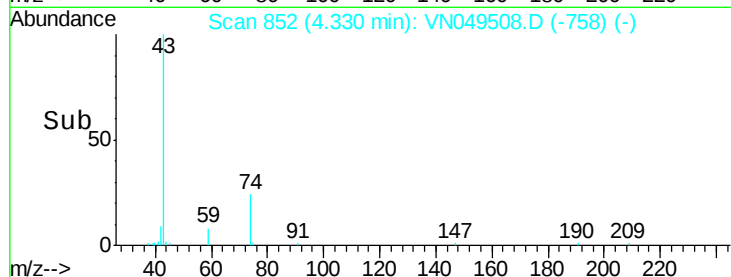
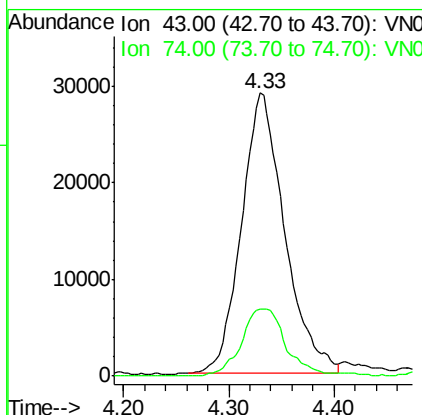
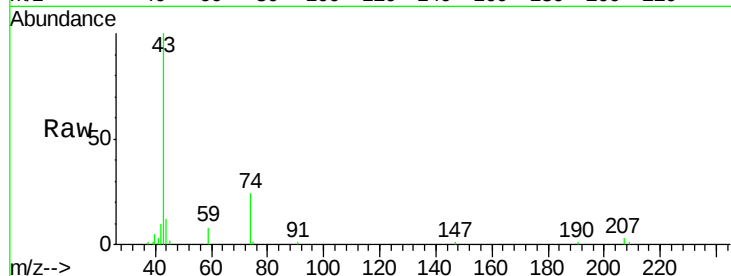




#18
Methvl Acetate
Concen: 7.16 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049508.D
Acq: 22 Jun 2018 22:24

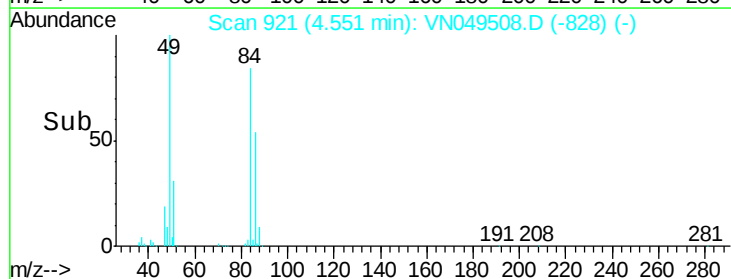
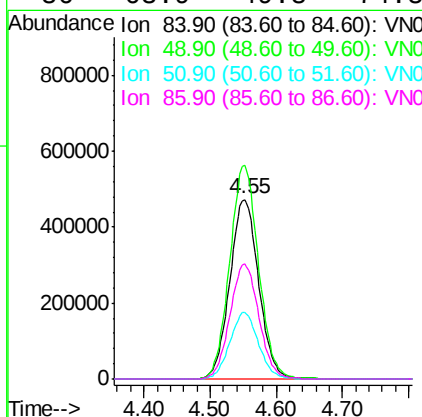
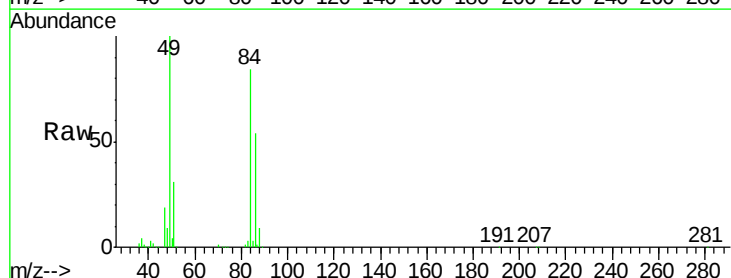
Instrument :
MSVOA_N
ClientSampleId :
20180375-COMPOSITE-CS-1A-ELU

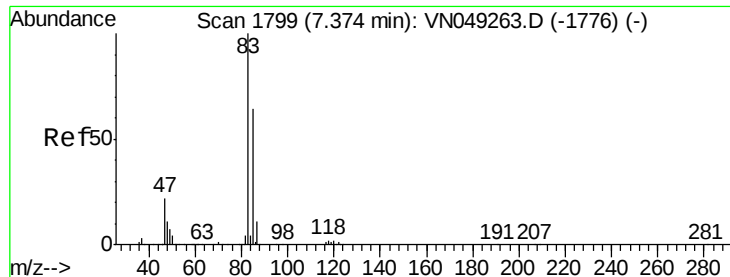
Tot Ion: 43 Resp: 82537
Ion Ratio Lower Upper
43 100
74 24.7 17.4 26.0



#20
Methylene Chloride
Concen: 90.84 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049508.D
Acq: 22 Jun 2018 22:24

Tgt Ion: 84 Resp: 1434934
Ion Ratio Lower Upper
84 100
49 118.9 106.9 160.3
51 37.3 32.7 49.1
86 63.9 49.8 74.8





#30

Chloroform

Concen: 0.75 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN049508.D

Acq: 22 Jun 2018 22:24

Instrument :

MSVOA_N

ClientSampleId :

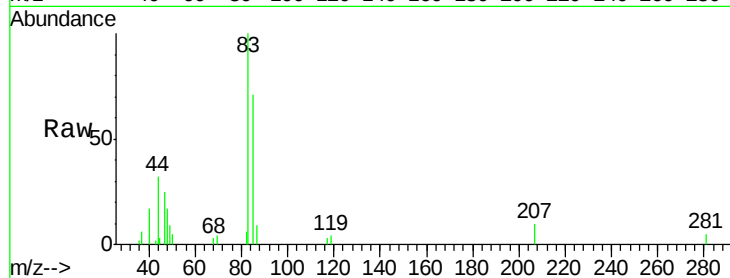
20180375-COMPOSITE-CS-1A-ELU

Tot Ion: 83 Resp: 20376

Ion Ratio Lower Upper

83 100

85 71.0 51.7 77.5



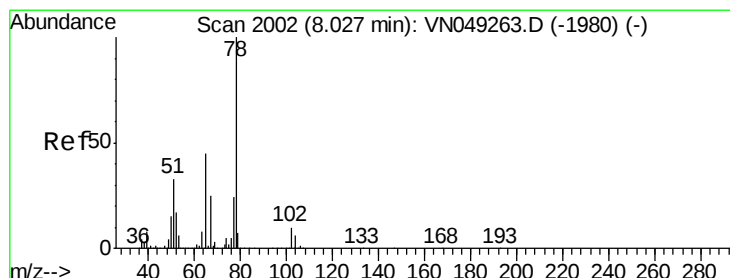
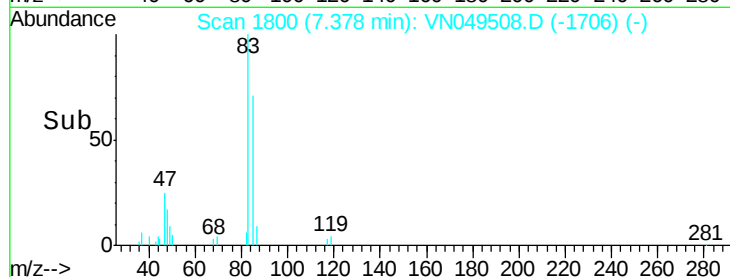
Abundance Ion 82.90 (82.60 to 83.60): VN049508.D (-1800) (-)

Ion 84.90 (84.60 to 85.60): VN049508.D (-1800) (-)

7.38

7.35 7.40 7.45

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.85 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049508.D

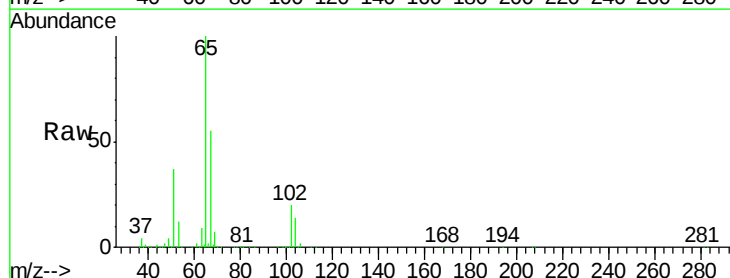
Acq: 22 Jun 2018 22:24

Tgt Ion: 65 Resp: 791994

Ion Ratio Lower Upper

65 100

67 54.0 0.0 103.8



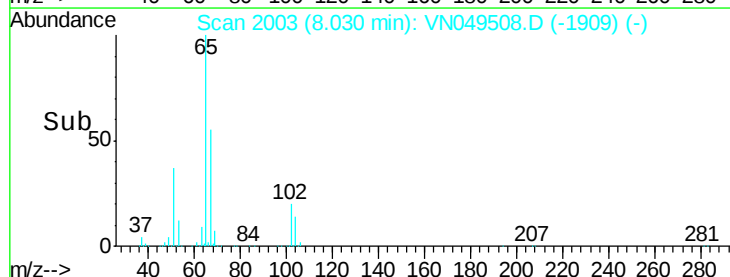
Abundance Ion 64.90 (64.60 to 65.60): VN049508.D (-1909) (-)

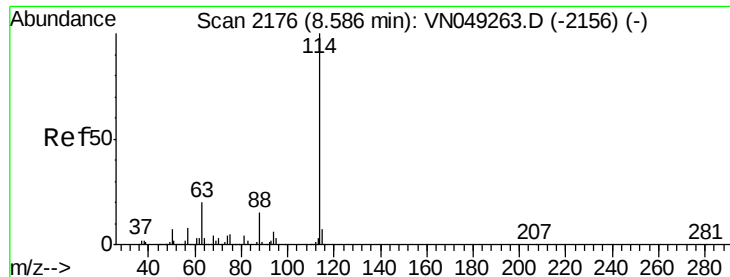
Ion 66.90 (66.60 to 67.60): VN049508.D (-1909) (-)

8.03

7.90 8.00 8.10 8.20

Time-->

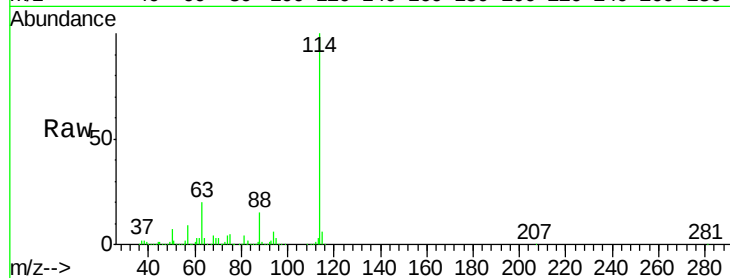




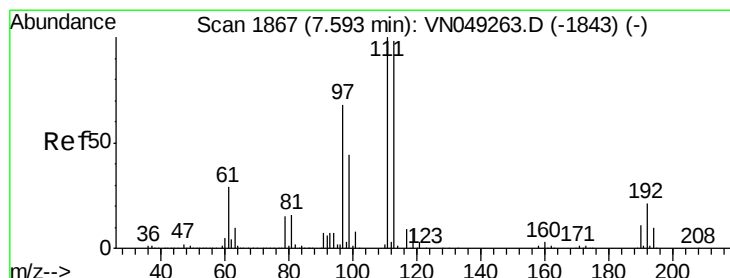
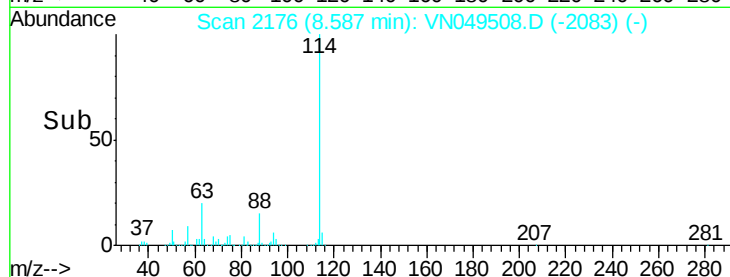
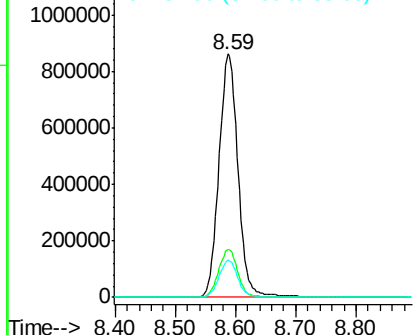
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049508.D
 Acq: 22 Jun 2018 22:24

Instrument :
 MSVOA_N
 ClientSampleId :
 20180375-COMPOSITE-CS-1A-ELU

Tot Ion:114 Resp: 1872031
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.2 0.0 31.4

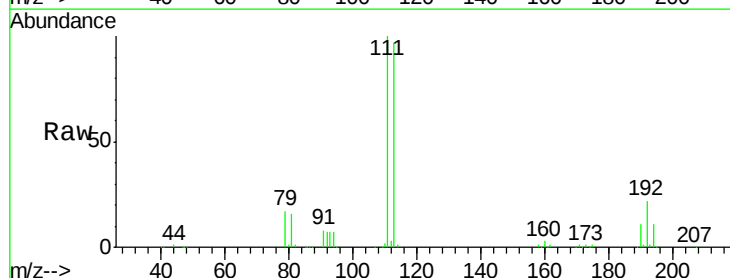


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

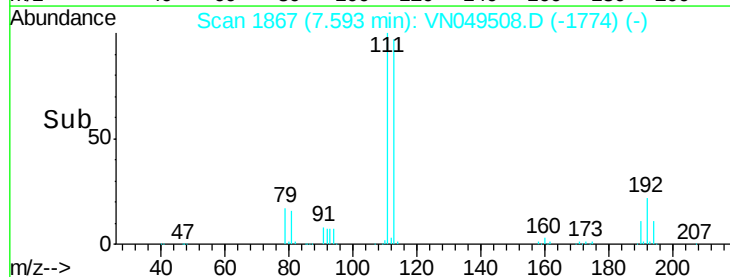
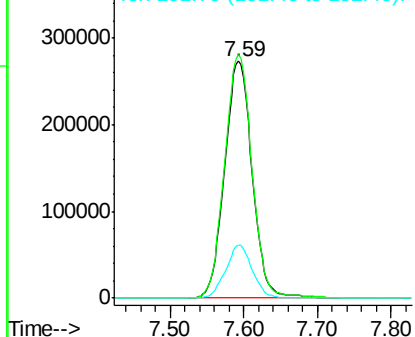


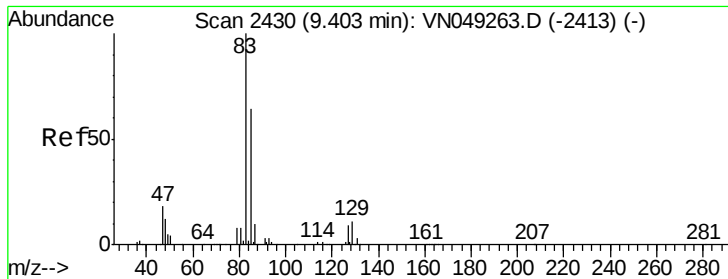
#35
 Dibromofluoromethane
 Concen: 46.77 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049508.D
 Acq: 22 Jun 2018 22:24

Tgt Ion:113 Resp: 708340
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 21.7 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





#47

Bromodichloromethane

Concen: 0.37 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049508.D

Acq: 22 Jun 2018 22:24

Instrument :

MSVOA_N

ClientSampleId :

20180375-COMPOSITE-CS-1A-ELU

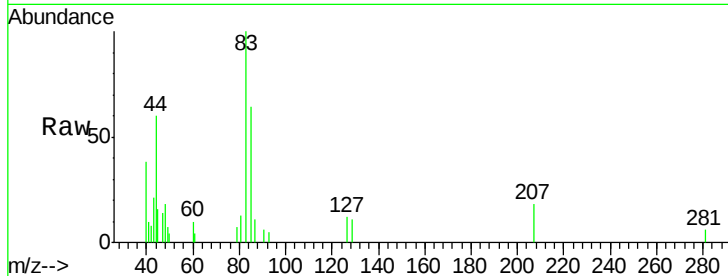
Tot Ion: 83 Resp: 8129

Ion Ratio Lower Upper

83 100

85 63.9 49.4 74.0

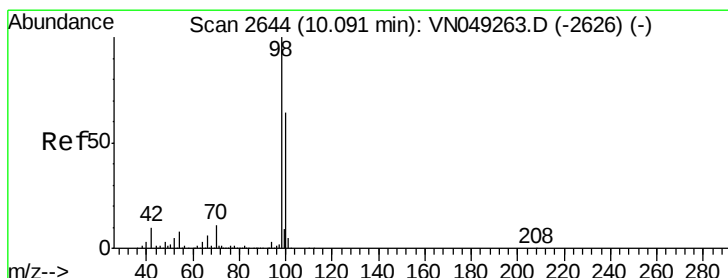
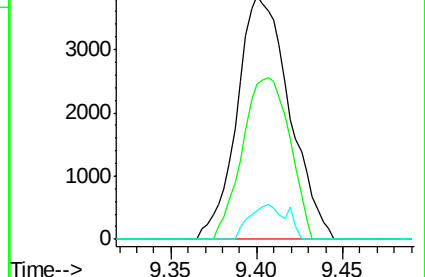
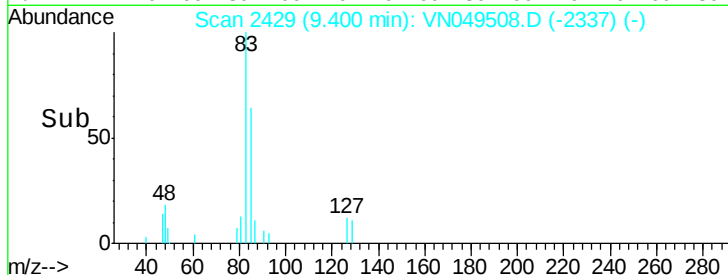
127 11.7 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN049508.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049508.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049508.D (-2337) (-)



#50

Toluene-d8

Concen: 44.10 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049508.D

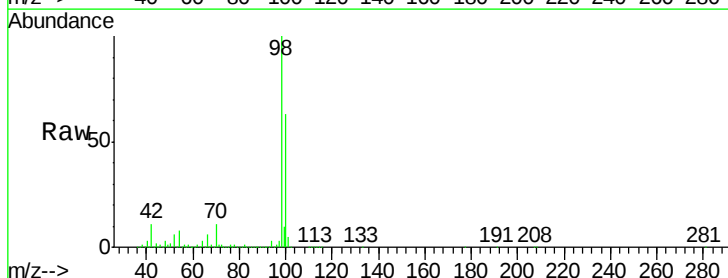
Acq: 22 Jun 2018 22:24

Tgt Ion: 98 Resp: 2543262

Ion Ratio Lower Upper

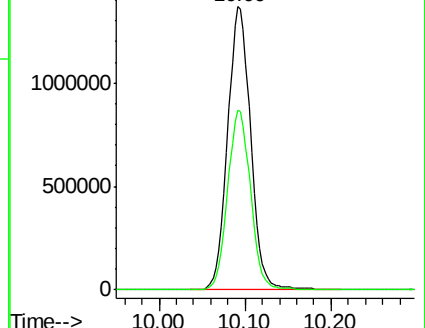
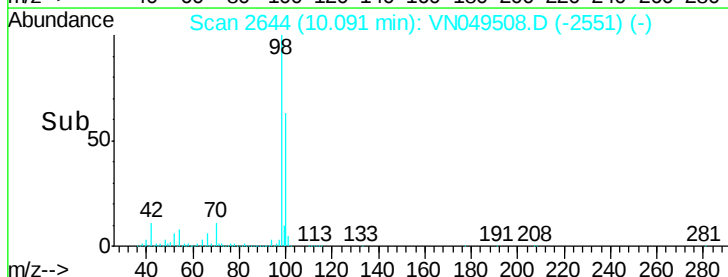
98 100

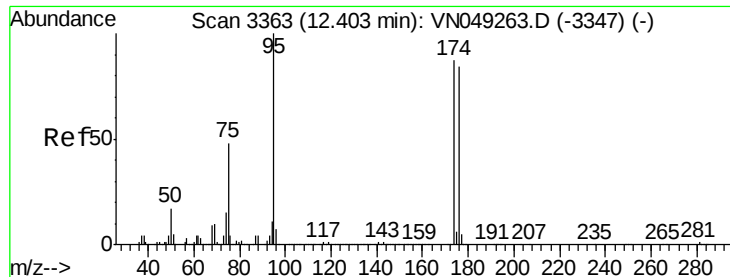
100 63.2 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049508.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049508.D (-2551) (-)





#62

4-Bromofluorobenzene

Concen: 33.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049508.D

Acq: 22 Jun 2018 22:24

Instrument :

MSVOA_N

ClientSampleId :

20180375-COMPOSITE-CS-1A-ELU

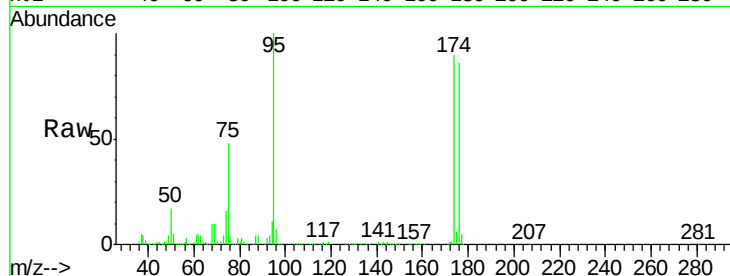
Tot Ion: 95 Resp: 641350

Ion Ratio Lower Upper

95 100

174 91.4 0.0 165.6

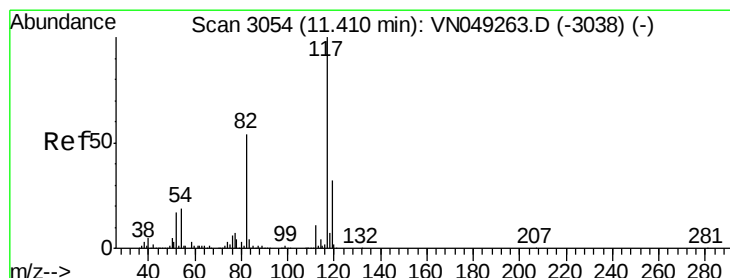
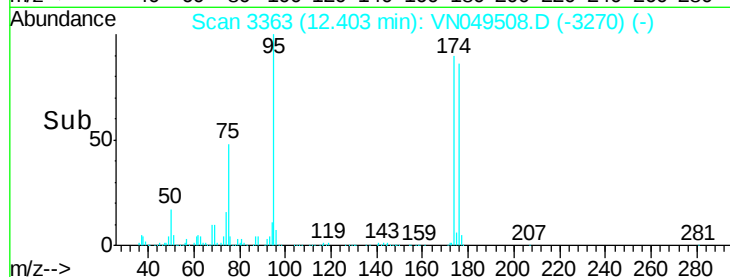
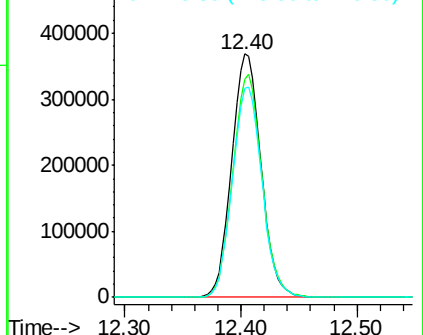
176 87.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049508.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049508.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049508.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049508.D

Acq: 22 Jun 2018 22:24

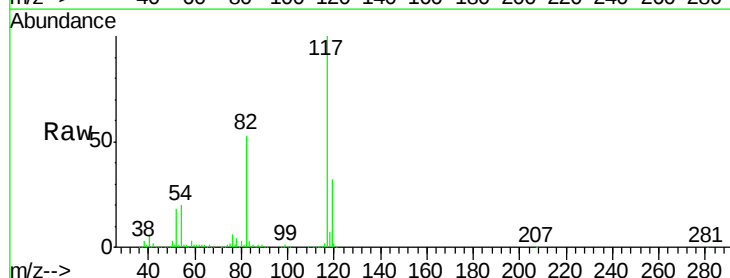
Tgt Ion: 117 Resp: 1527884

Ion Ratio Lower Upper

117 100

82 53.3 45.9 68.9

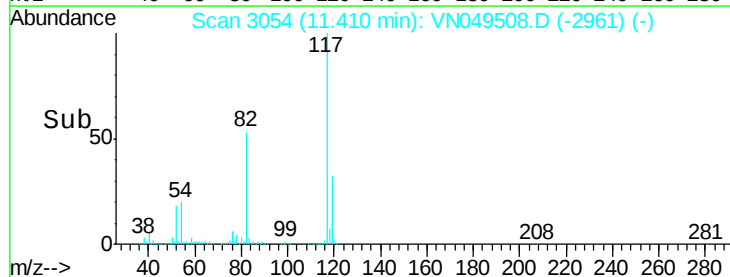
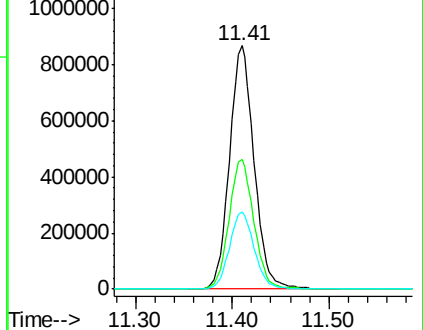
119 31.9 25.5 38.3

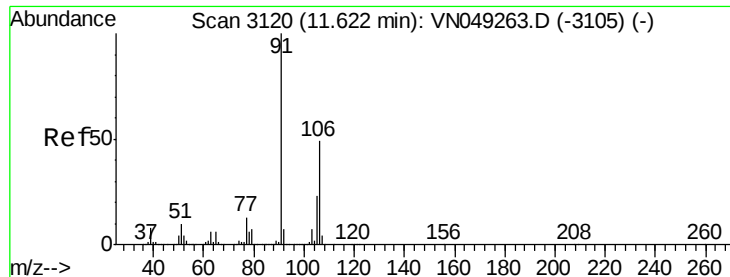


Abundance Ion 116.90 (116.60 to 117.60): VN049508.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049508.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049508.D (-2961) (-)

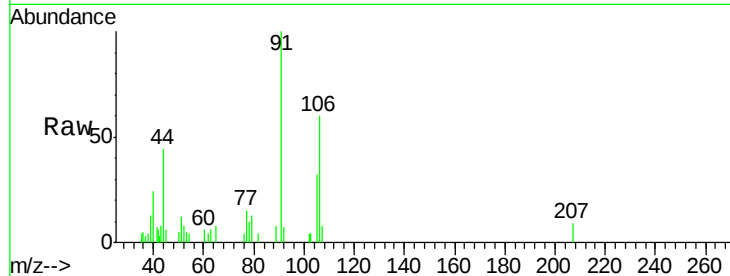




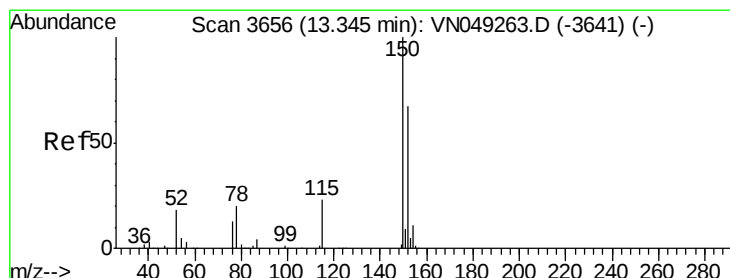
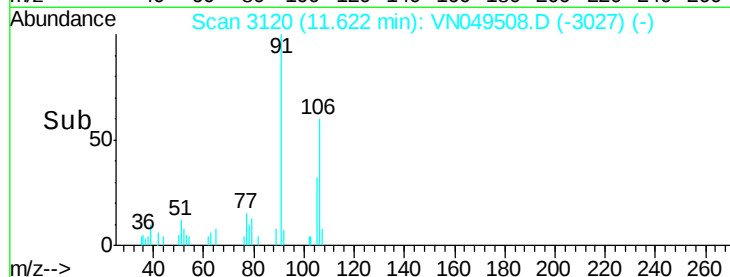
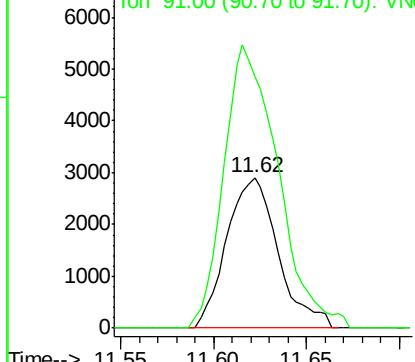
#68
m/p-Xvlenes
Concen: 0.23 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049508.D
Acq: 22 Jun 2018 22:24

Instrument :
MSVOA_N
ClientSampleId :
20180375-COMPOSITE-CS-1A-ELU

Tot Ion:106 Resp: 5602
Ion Ratio Lower Upper
106 100
91 196.8 167.3 250.9

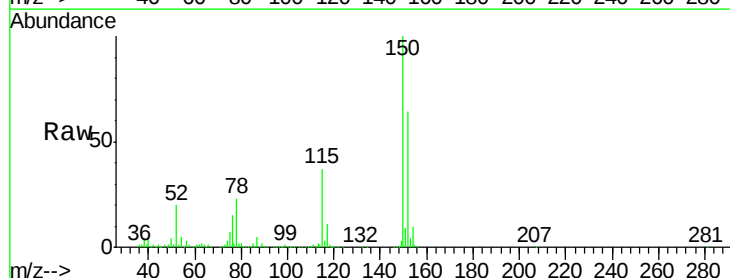


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

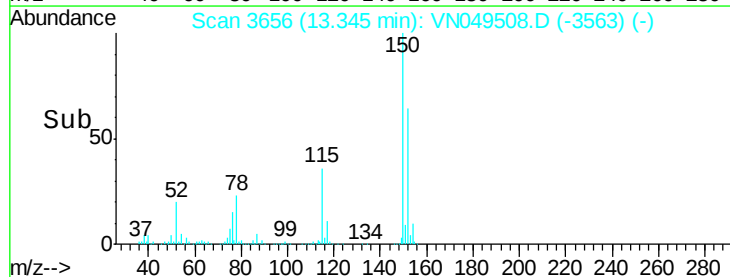
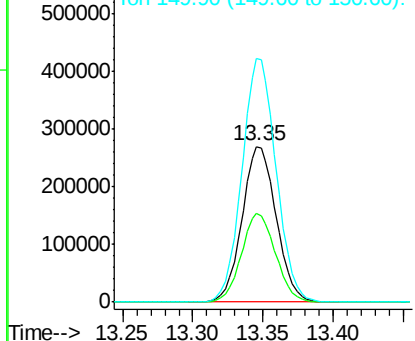


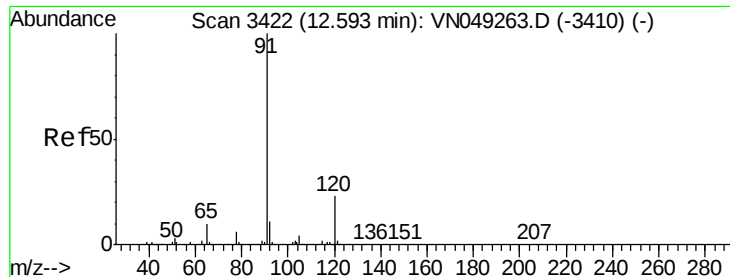
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049508.D
Acq: 22 Jun 2018 22:24

Tgt Ion:152 Resp: 455101
Ion Ratio Lower Upper
152 100
115 57.4 28.7 86.1
150 156.9 0.0 351.0



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





#78

n-propylbenzene

Concen: 0.25 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049508.D

Acq: 22 Jun 2018 22:24

Instrument :

MSVOA_N

ClientSampleId :

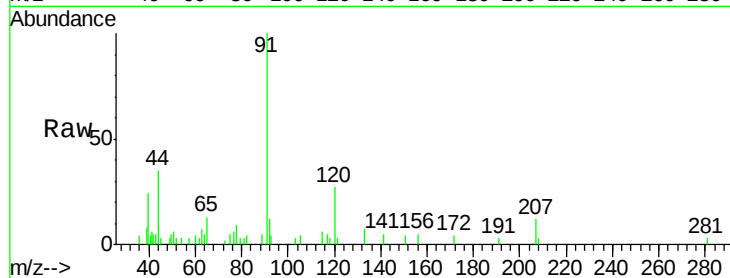
20180375-COMPOSITE-CS-1A-ELU

Tot Ion: 91 Resp: 10926

Ion Ratio Lower Upper

91 100

120 22.8 11.2 33.5



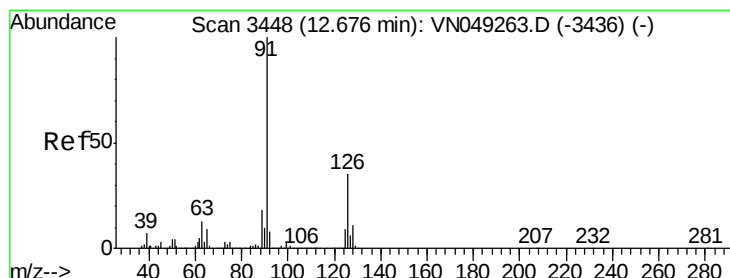
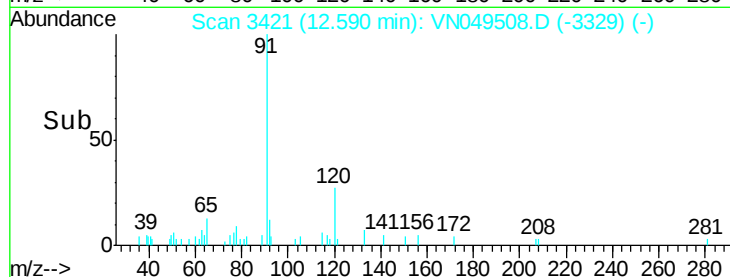
Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3410) (-)

Time-->

12.59

12.59



#79

2-Chlorotoluene

Concen: 0.22 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049508.D

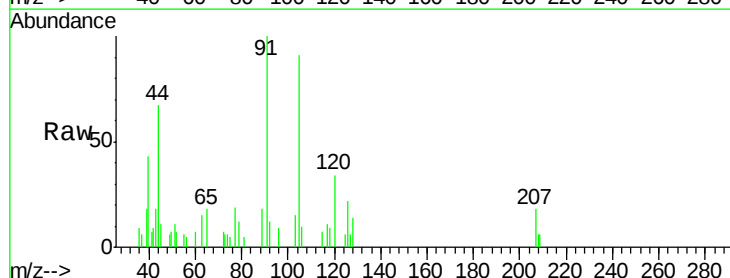
Acq: 22 Jun 2018 22:24

Tgt Ion: 91 Resp: 6192

Ion Ratio Lower Upper

91 100

126 18.0 16.6 49.8



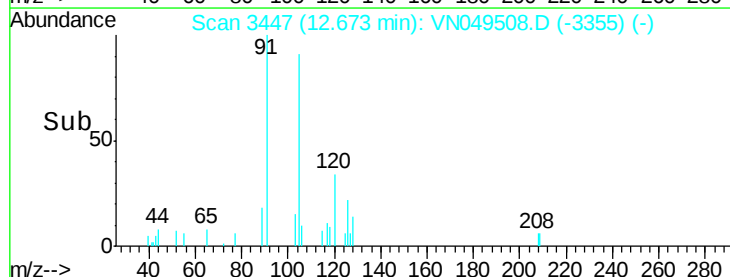
Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

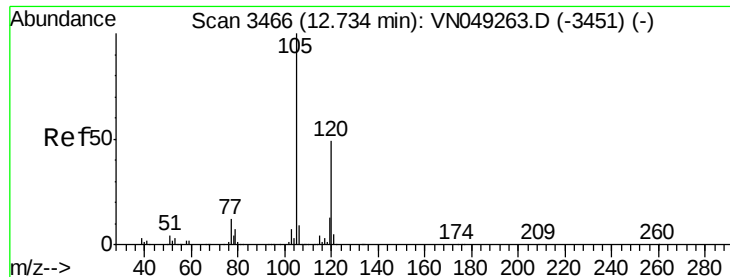
Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)

Time-->

12.67

12.67





#80

1,3,5-Trimethylbenzene

Concen: 0.24 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049508.D

Acq: 22 Jun 2018 22:24

Instrument :

MSVOA_N

ClientSampleId :

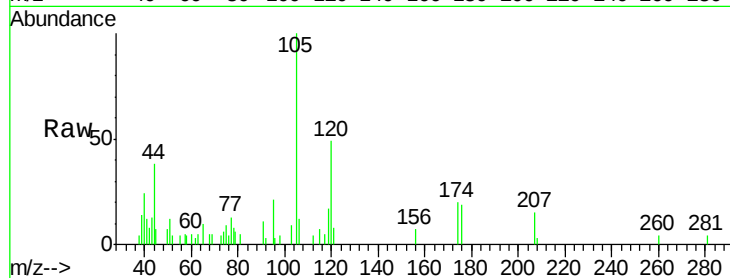
20180375-COMPOSITE-CS-1A-ELU

Tot Ion:105 Resp: 7391

Ion Ratio Lower Upper

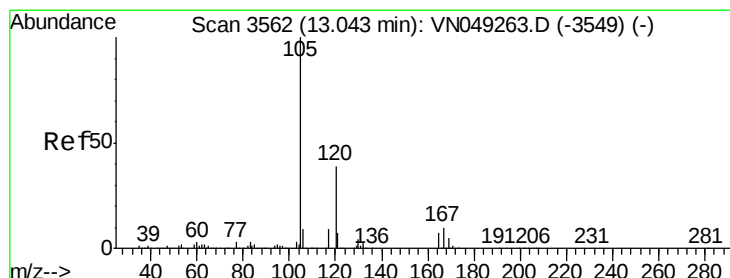
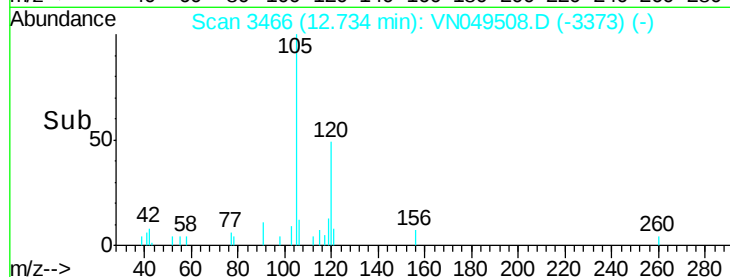
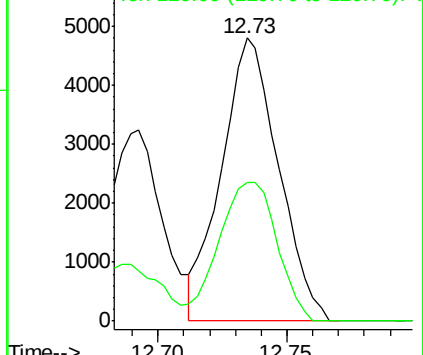
105 100

120 50.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.77 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049508.D

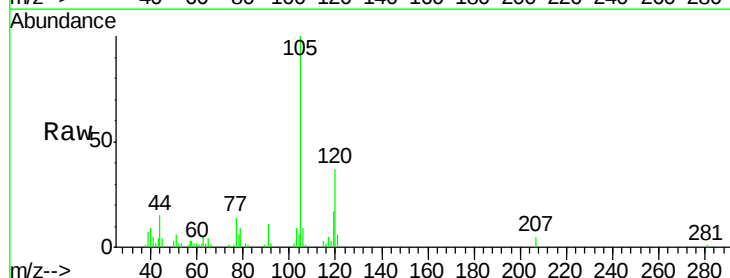
Acq: 22 Jun 2018 22:24

Tgt Ion:105 Resp: 24061

Ion Ratio Lower Upper

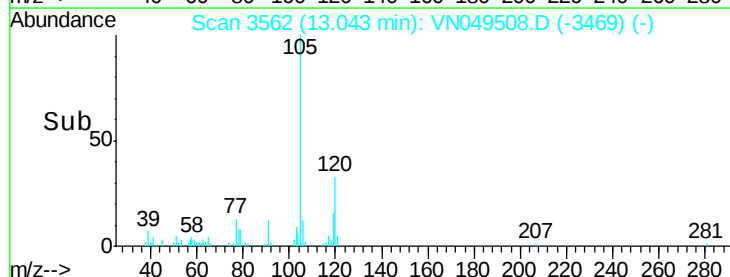
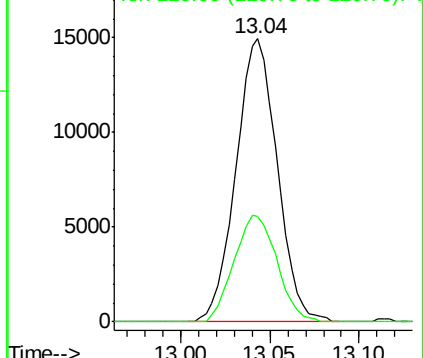
105 100

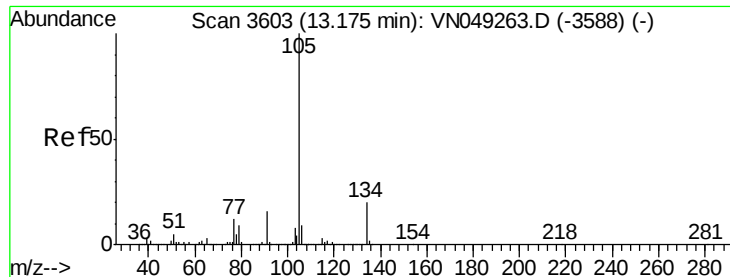
120 39.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.20 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049508.D

Acq: 22 Jun 2018 22:24

Instrument :

MSVOA_N

ClientSampleId :

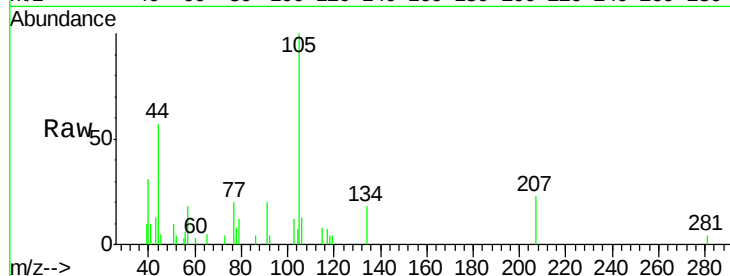
20180375-COMPOSITE-CS-1A-ELU

Tot Ion:105 Resp: 7485

Ion Ratio Lower Upper

105 100

134 23.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

5000

4000

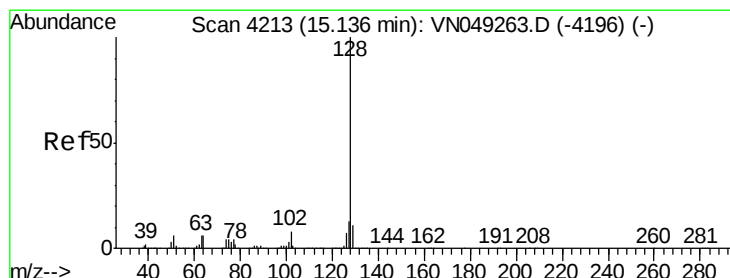
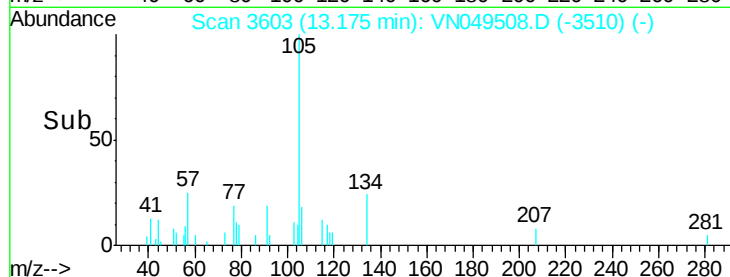
3000

2000

1000

0

Time-->



#95

Naphthalene

Concen: 11.36 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049508.D

Acq: 22 Jun 2018 22:24

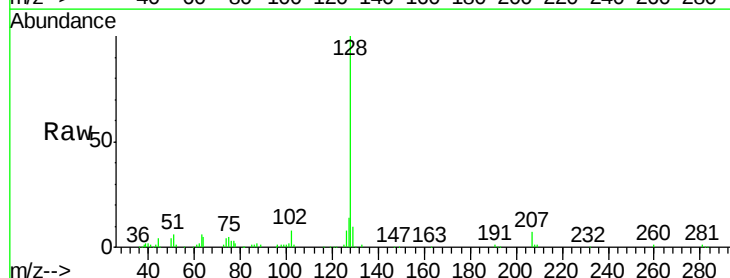
Tgt Ion:128 Resp: 120235

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 11.1 8.5 12.7



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

15.14

80000

60000

40000

20000

0

Time-->

