

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050635.D
 Acq On : 15 Aug 2018 5:34
 Operator : MD\SY
 Sample : J4474-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-SV28570L

Quant Time: Aug 15 14:45:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	623708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	980383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	875703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	352989	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	412330	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
35) Dibromofluoromethane	7.59	113	394387	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.09	98	1400727	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.40	95	394305	40.52	ug/l	0.00
Spiked Amount			Recovery	=	81.04%	

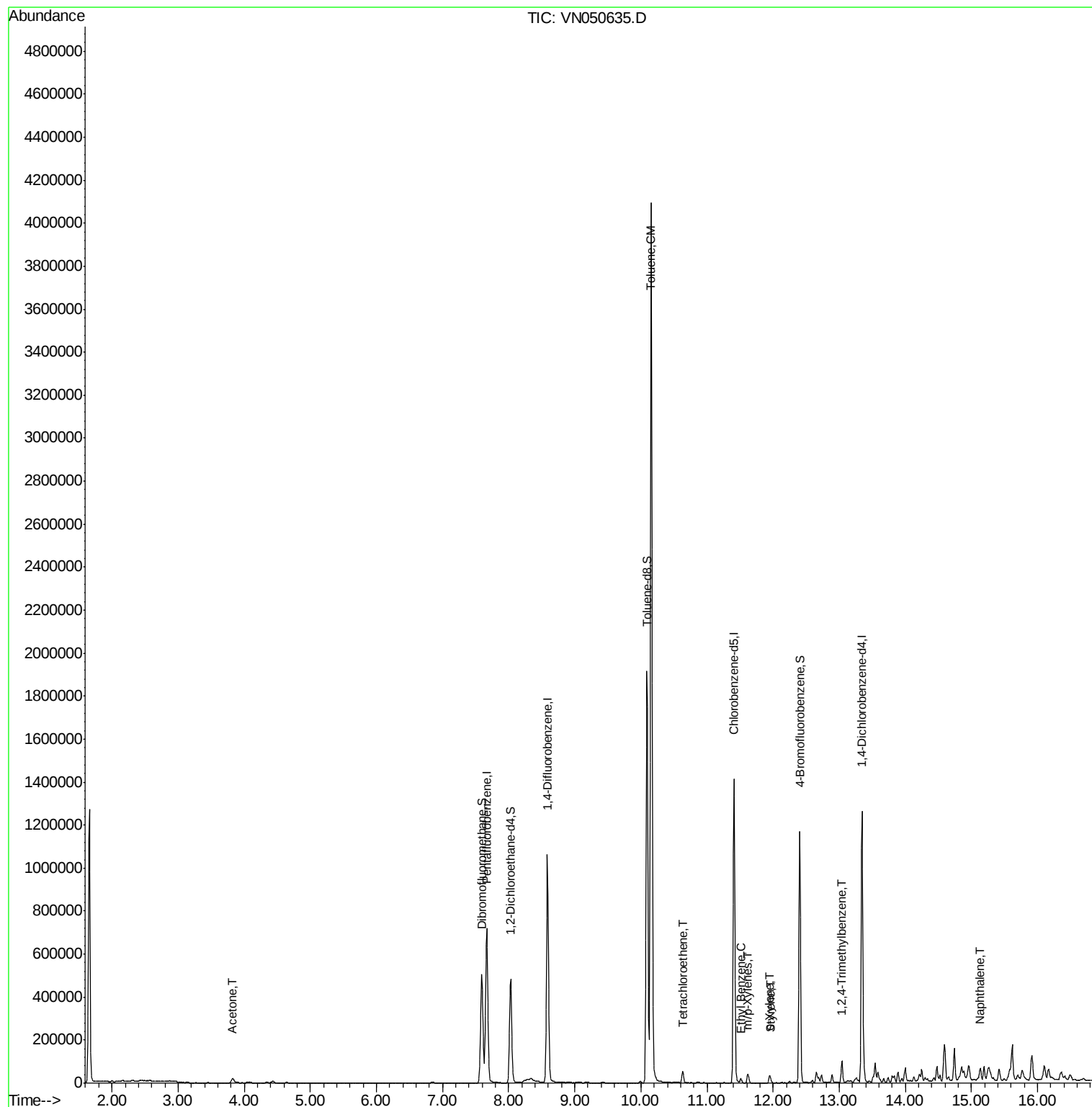
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	36488	17.24	ug/l	91
52) Toluene	10.16	92	1857289	93.69	ug/l	98
64) Tetrachloroethene	10.63	164	13675	1.68	ug/l	89
67) Ethyl Benzene	11.51	91	15033	0.43	ug/l	96
68) m/p-Xylenes	11.62	106	13526	1.00	ug/l	97
69) o-Xylene	11.95	106	8551	0.67	ug/l	88
70) Styrene	11.97	104	3945	1.11	ug/l #	80
84) 1,2,4-Trimethylbenzene	13.04	105	56324	2.54	ug/l	100
95) Naphthalene	15.13	128	45836	6.98	ug/l	97

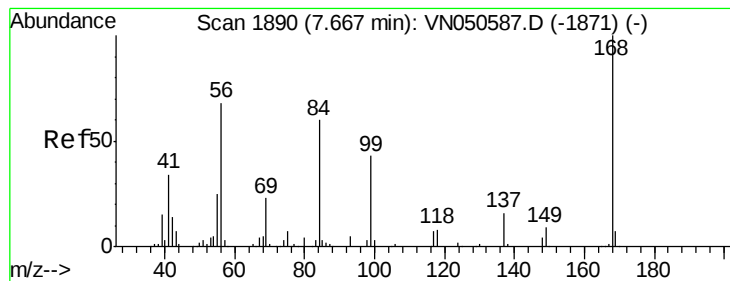
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

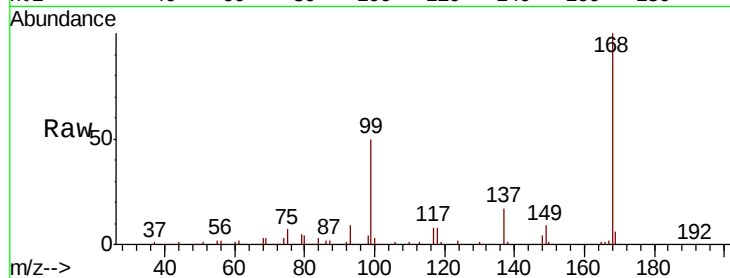
FRAC-TANK-SV28570L

Tot Ion:168 Resp: 623708

Ion Ratio Lower Upper

168 100

99 50.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

150000

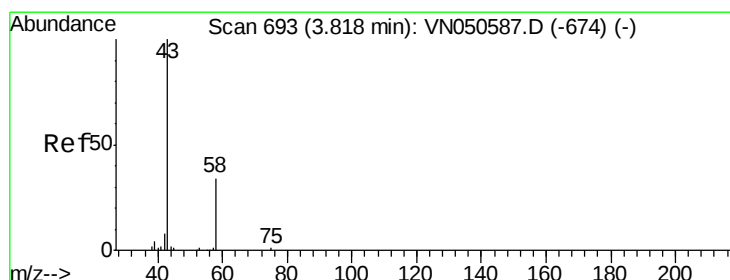
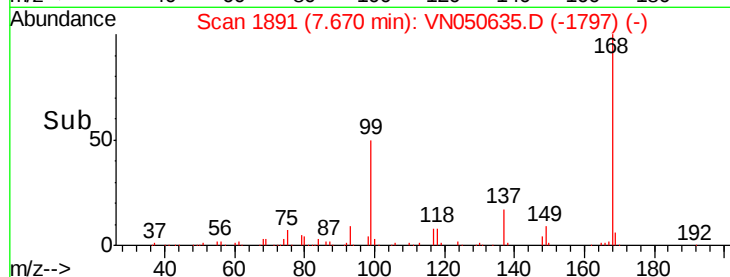
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 17.24 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050635.D

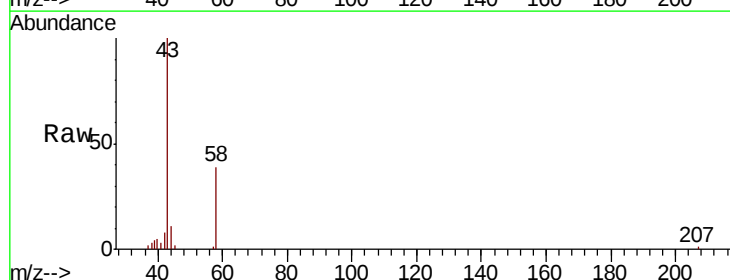
Acq: 15 Aug 2018 5:34

Tgt Ion: 43 Resp: 36488

Ion Ratio Lower Upper

43 100

58 39.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-674) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-674) (-)

3.82

15000

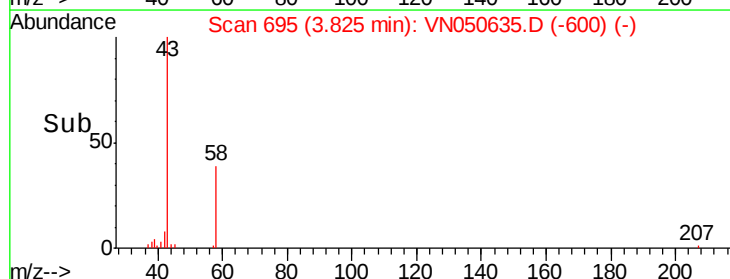
10000

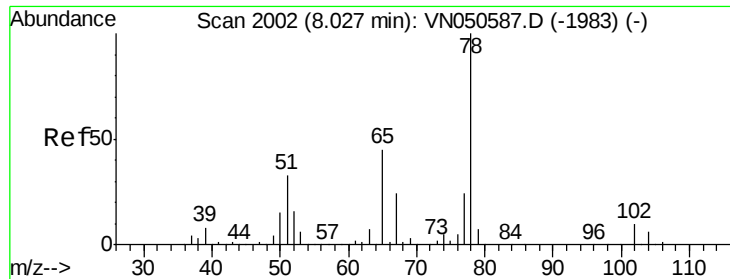
5000

0

3.70 3.80 3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.45 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

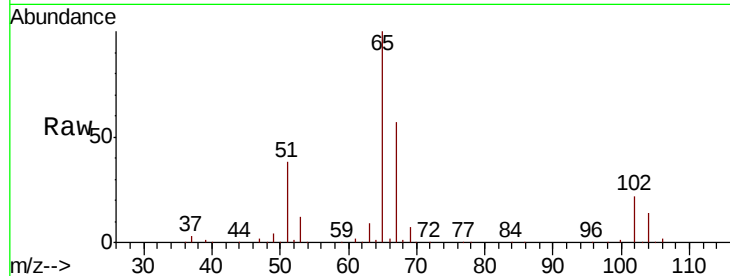
FRAC-TANK-SV28570L

Tot Ion: 65 Resp: 412330

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN050587.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050587.D (-1983) (-)

8.03

150000

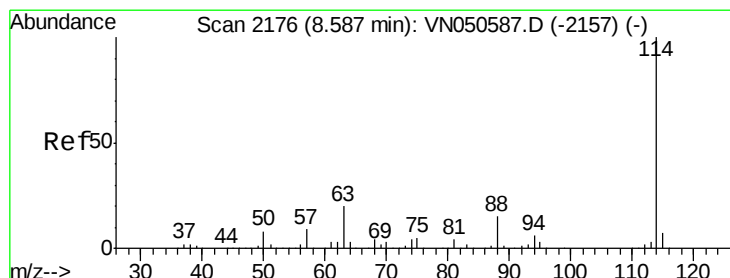
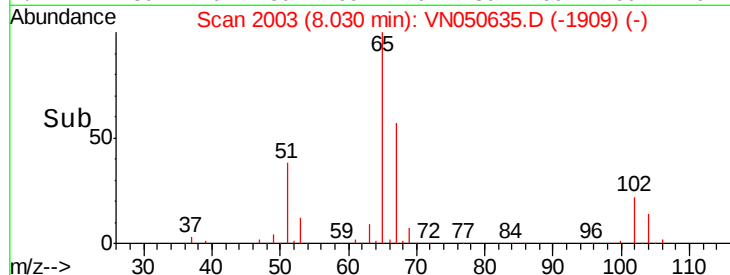
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

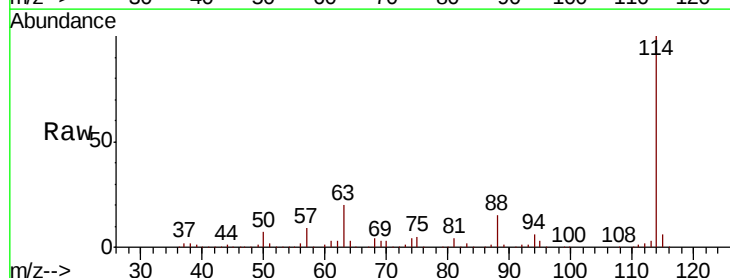
Tgt Ion: 114 Resp: 980383

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.4 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN050587.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN050587.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN050587.D (-2157) (-)

8.59

600000

500000

400000

300000

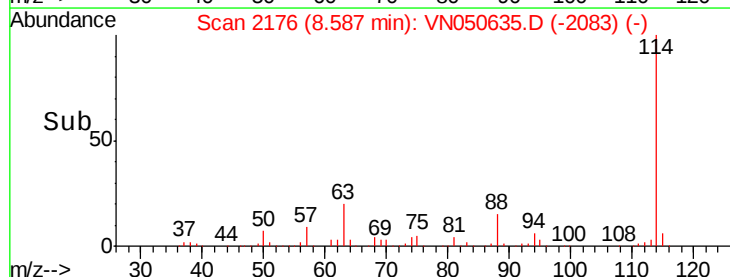
200000

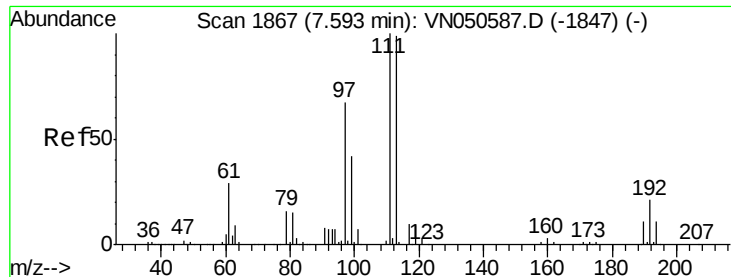
100000

0

8.50 8.60 8.70

Time-->





#35

Dibromofluoromethane

Concen: 50.39 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

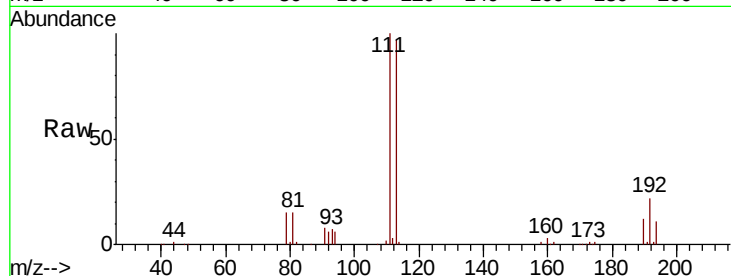
Tot Ion:113 Resp: 394387

Ion Ratio Lower Upper

113 100

111 102.1 81.0 121.6

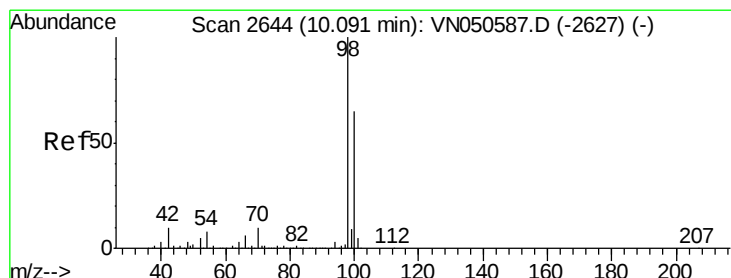
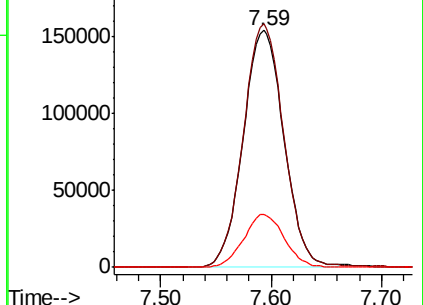
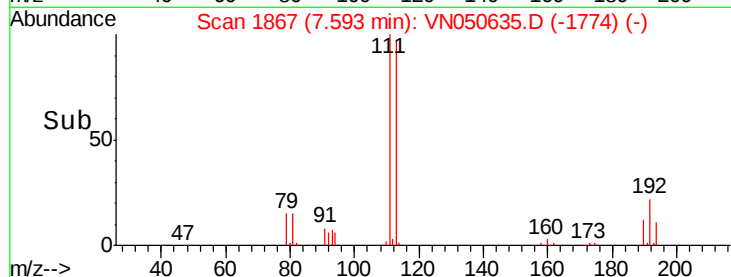
192 22.3 17.6 26.4



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



#50

Toluene-d8

Concen: 47.55 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050635.D

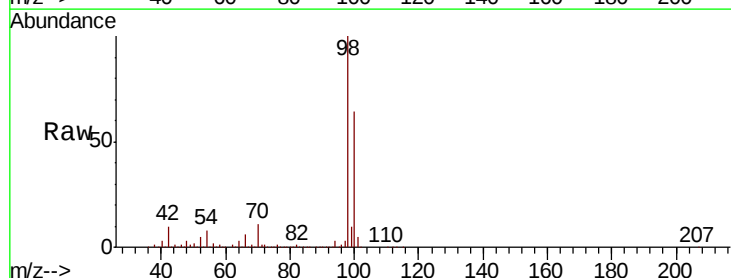
Acq: 15 Aug 2018 5:34

Tgt Ion: 98 Resp: 1400727

Ion Ratio Lower Upper

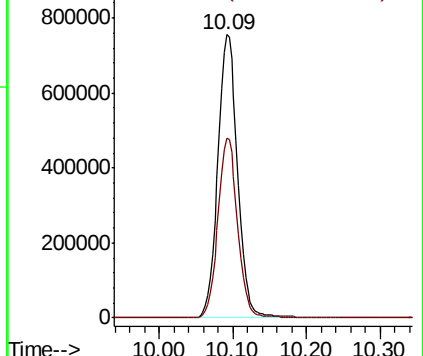
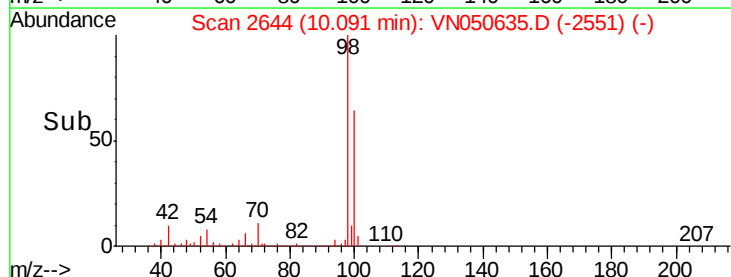
98 100

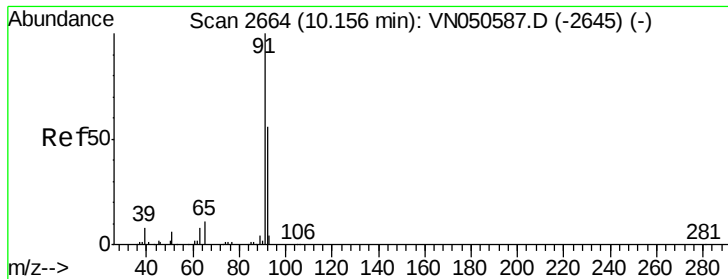
100 63.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 93.69 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

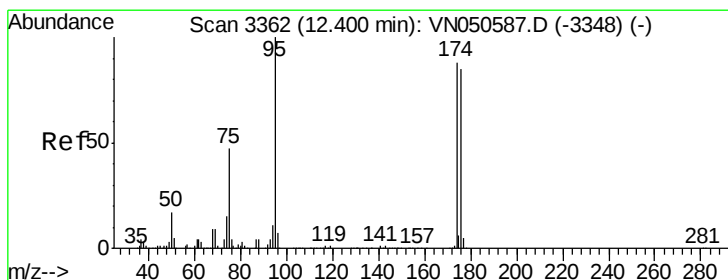
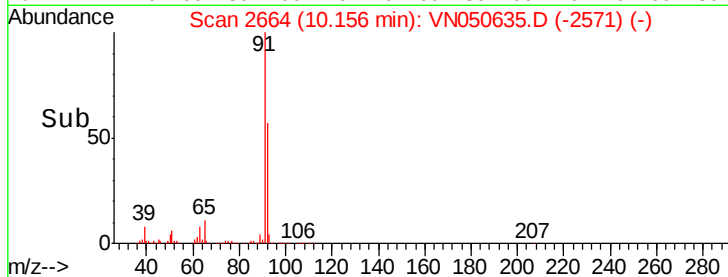
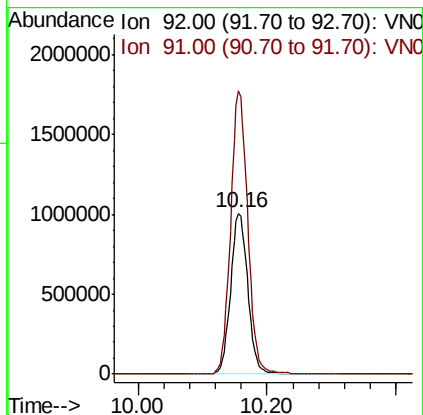
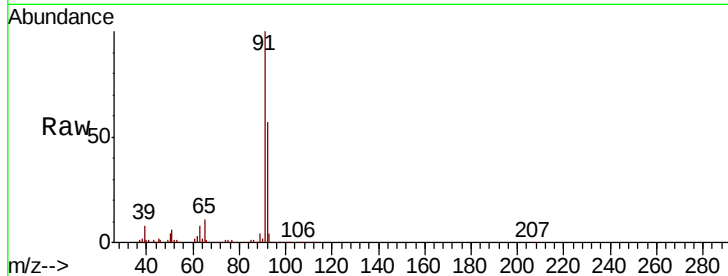
FRAC-TANK-SV28570L

Tot Ion: 92 Resp: 1857289

Ion Ratio Lower Upper

92 100

91 175.2 141.9 212.9



#62

4-Bromofluorobenzene

Concen: 40.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

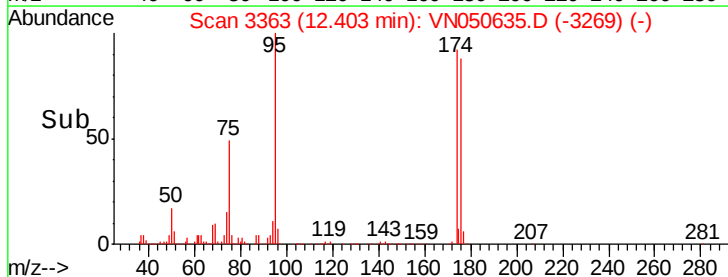
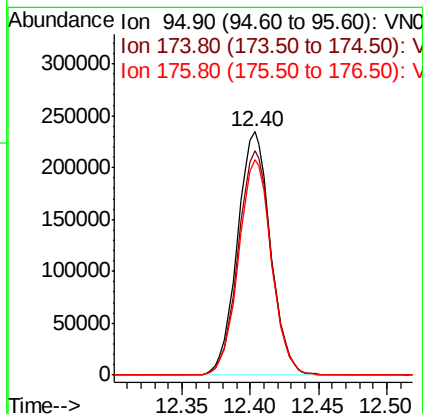
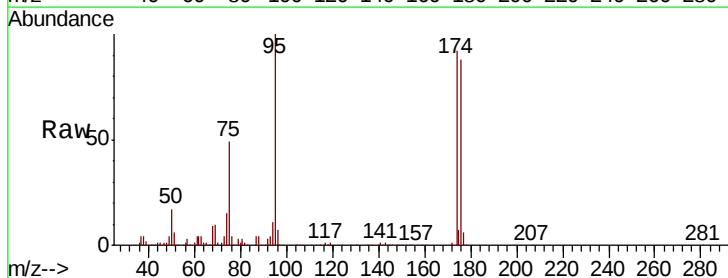
Tgt Ion: 95 Resp: 394305

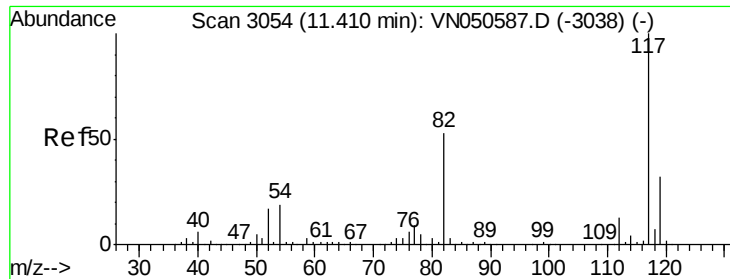
Ion Ratio Lower Upper

95 100

174 92.6 0.0 177.8

176 88.0 0.0 175.0

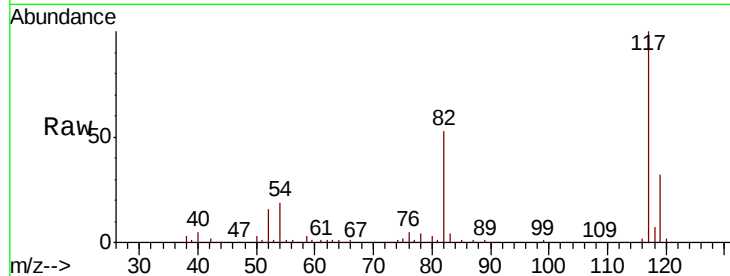




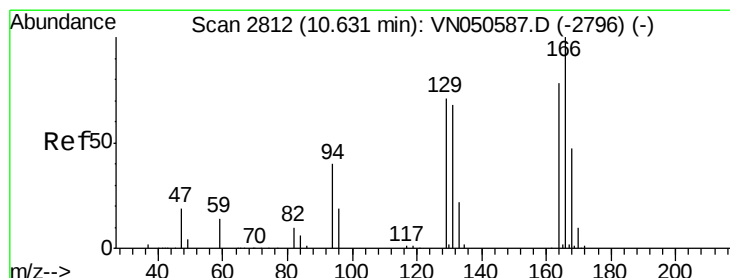
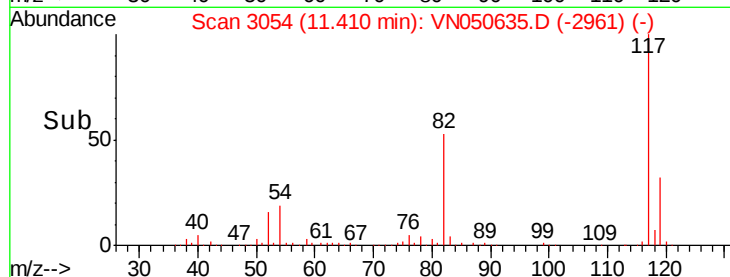
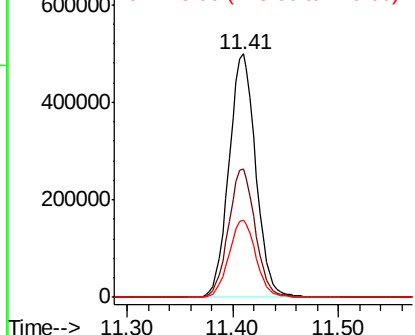
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SV28570L

Tot Ion:117 Resp: 875703
Ion Ratio Lower Upper
117 100
82 52.8 42.4 63.6
119 31.9 25.8 38.8

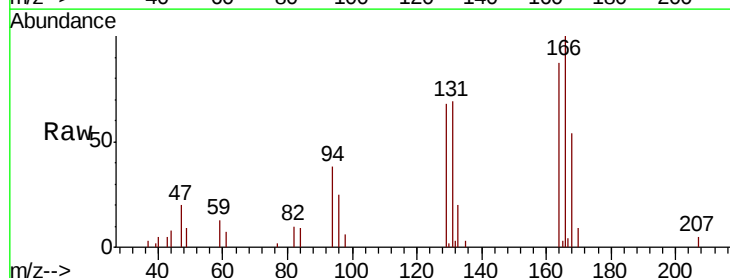


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

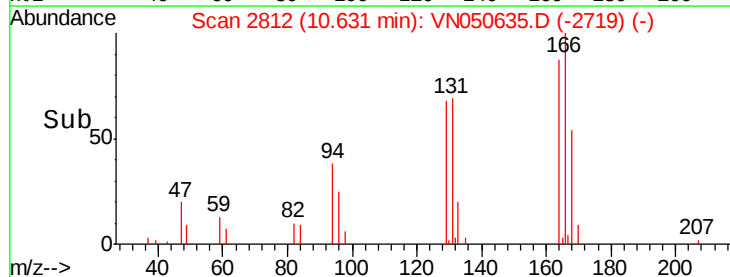
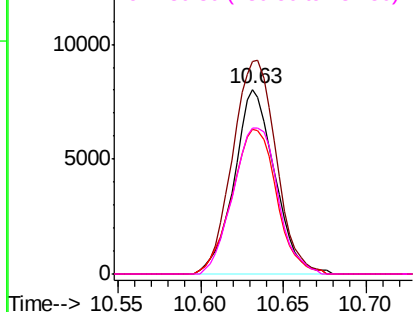


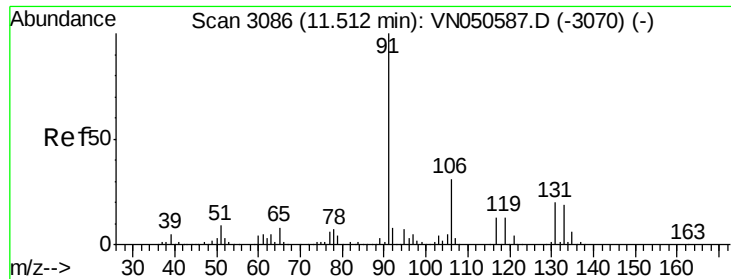
#64
Tetrachloroethene
Concen: 1.68 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

Tgt Ion:164 Resp: 13675
Ion Ratio Lower Upper
164 100
166 114.8 102.1 153.1
129 78.6 72.7 109.1
131 79.2 69.9 104.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

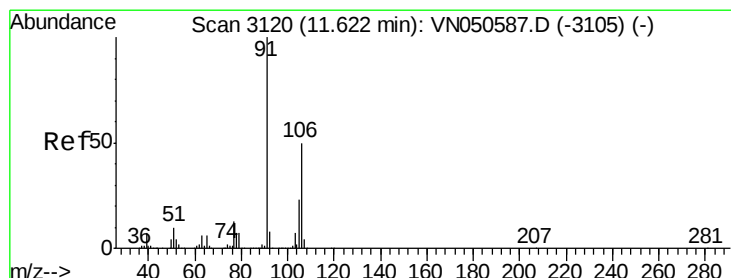
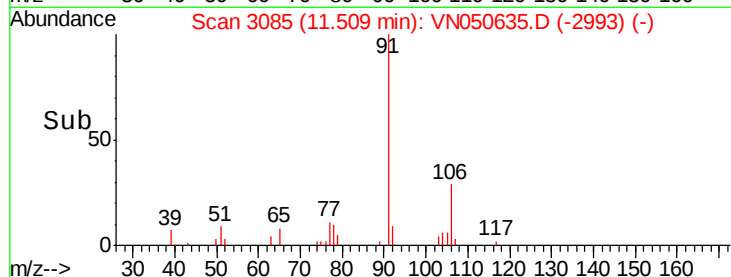
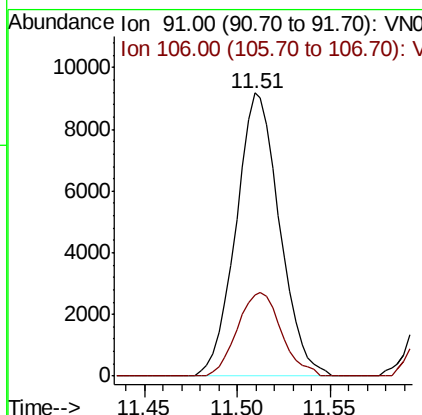
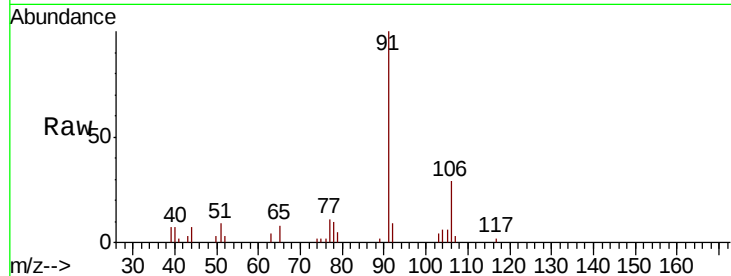




#67
Ethyl Benzene
Concen: 0.43 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

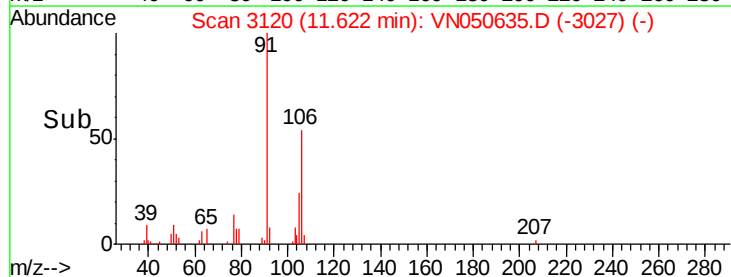
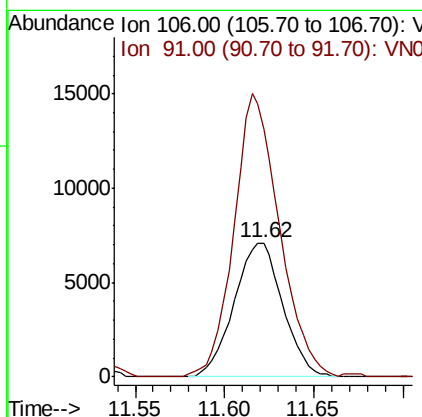
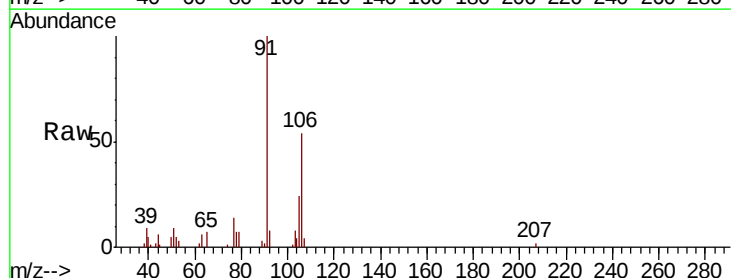
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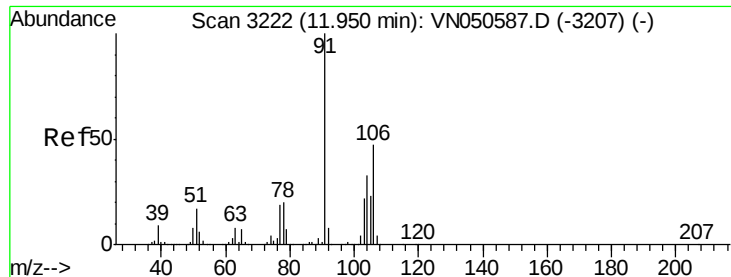
Tot Ion: 91 Resp: 15033
Ion Ratio Lower Upper
91 100
106 28.6 24.8 37.2



#68
m/p-Xylenes
Concen: 1.00 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

Tgt Ion: 106 Resp: 13526
Ion Ratio Lower Upper
106 100
91 196.9 161.5 242.3

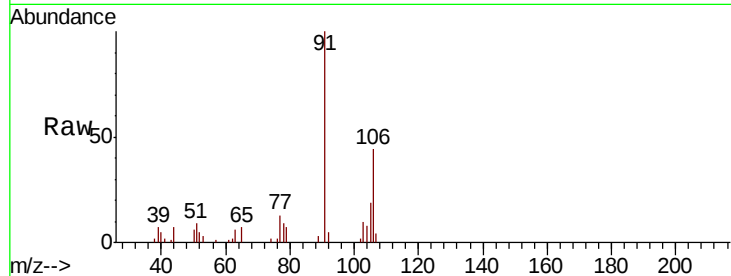




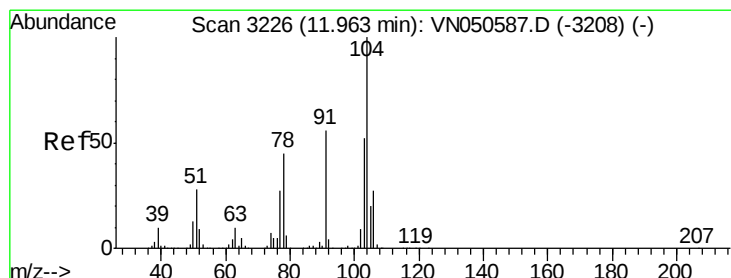
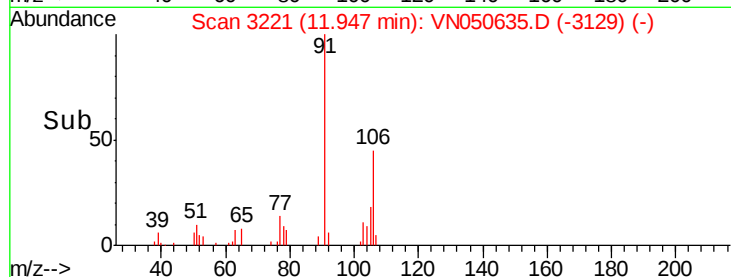
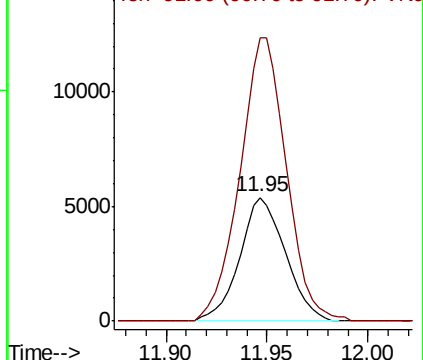
#69
o-Xylene
Concen: 0.67 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SV28570L

Tot Ion:106 Resp: 8551
Ion Ratio Lower Upper
106 100
91 233.2 106.8 320.4

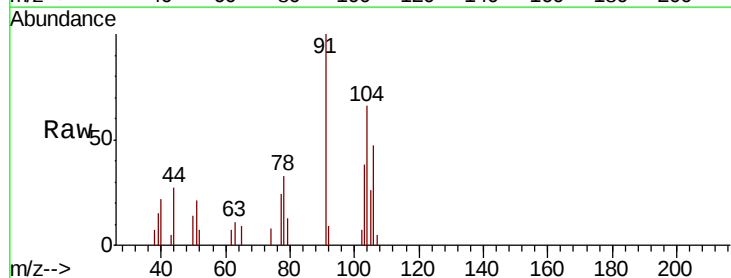


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

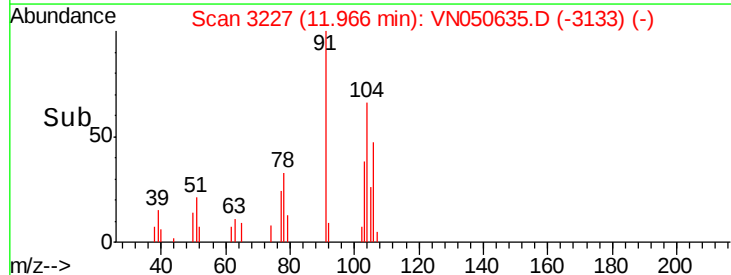
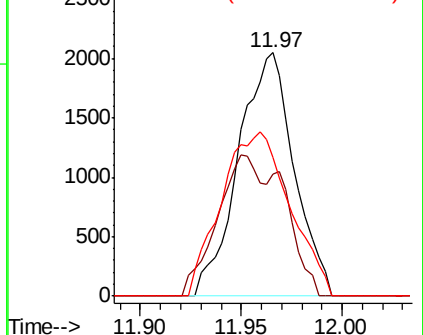


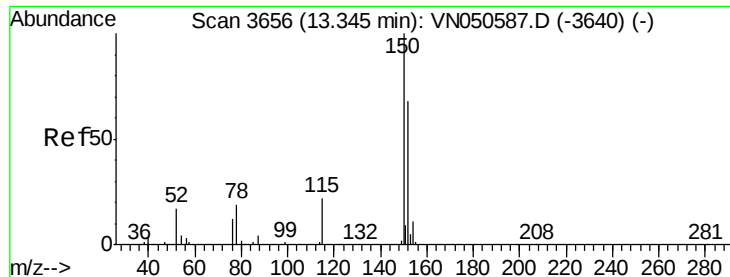
#70
Styrene
Concen: 1.11 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

Tgt Ion:104 Resp: 3945
Ion Ratio Lower Upper
104 100
78 47.9 39.1 58.7
103 82.7 44.9 67.3#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): 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: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

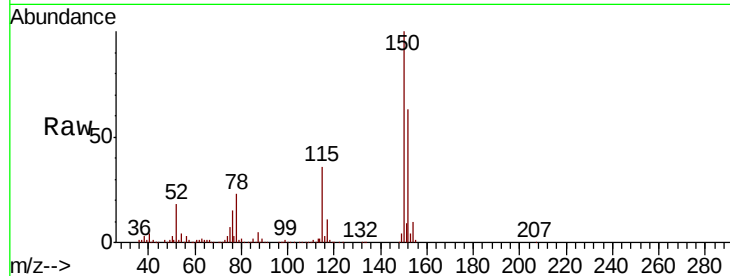
Tot Ion:152 Resp: 352989

Ion Ratio Lower Upper

152 100

115 57.2 28.1 84.2

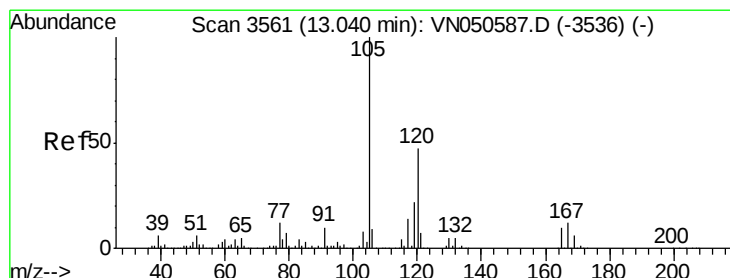
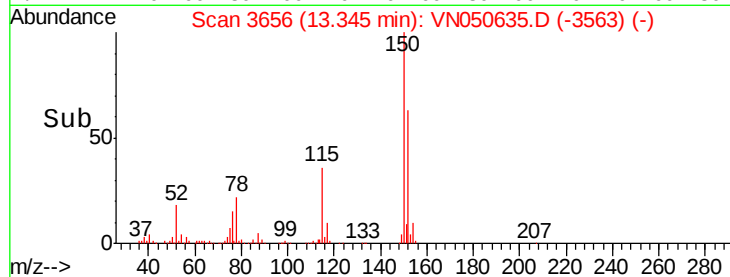
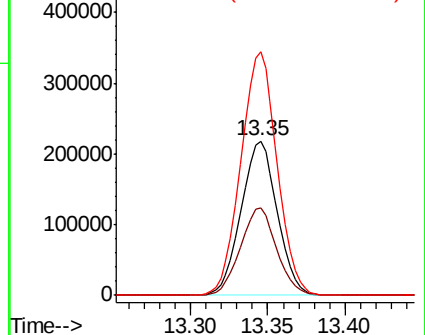
150 158.2 0.0 347.8



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



#84

1,2,4-Trimethylbenzene

Concen: 2.54 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050635.D

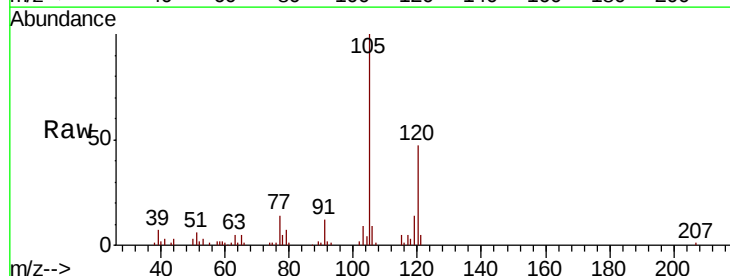
Acq: 15 Aug 2018 5:34

Tgt Ion:105 Resp: 56324

Ion Ratio Lower Upper

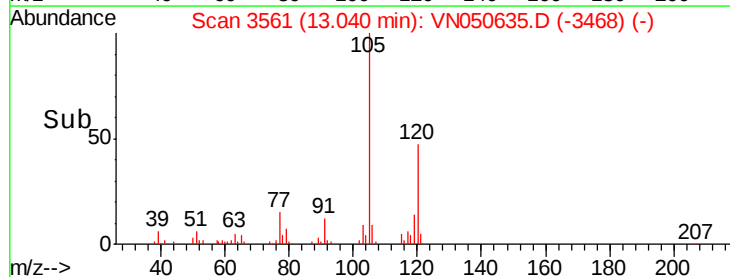
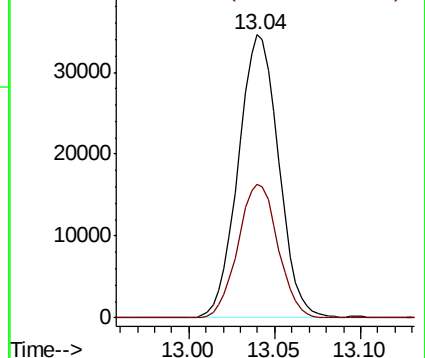
105 100

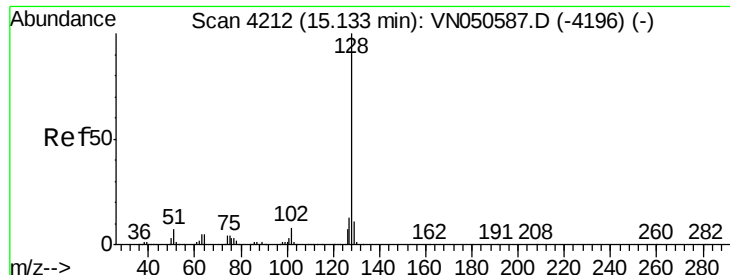
120 46.6 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

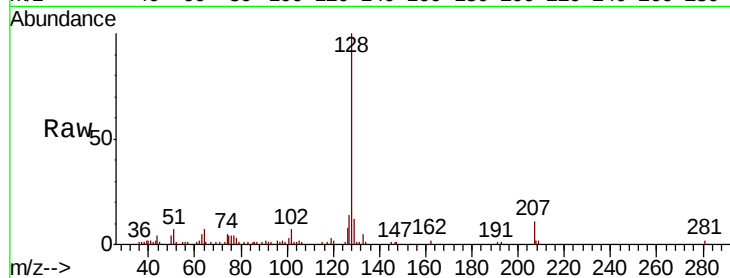




#95
 Naphthalene
 Concen: 6.98 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-SV28570L

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	12.5	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

