

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121818\
 Data File : VN052969.D
 Acq On : 18 Dec 2018 18:51
 Operator : MD\SY
 Sample : J6347-05ME 20X
 Misc : 3.88g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

Quant Time: Dec 28 12:04:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1347717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2033018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1851151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	806524	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	638612	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
35) Dibromofluoromethane	7.59	113	466921	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.09	98	2507616	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	848697	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

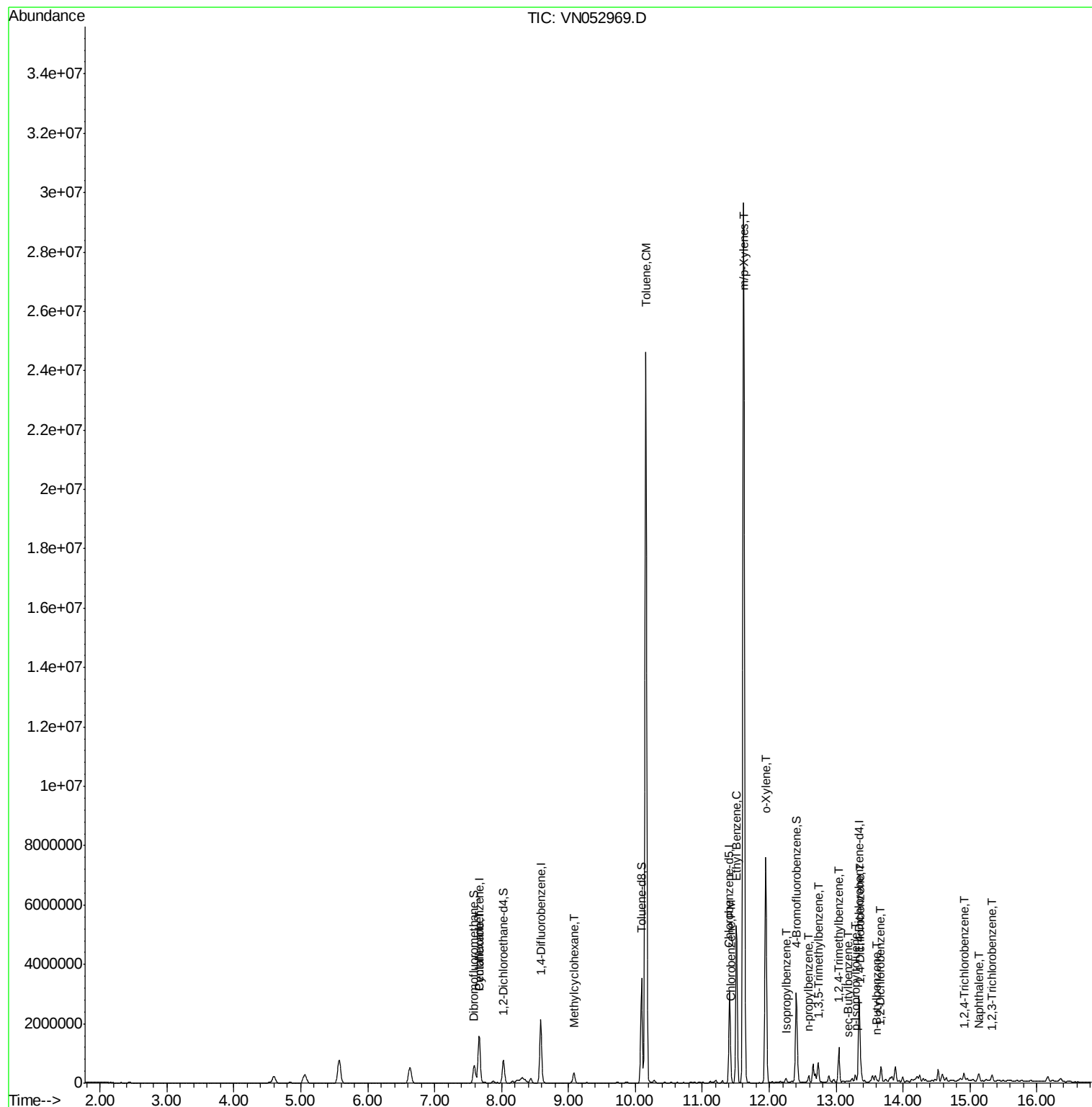
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.66	56	87326	2.695	ug/l #	63
39) Methylcyclohexane	9.08	83	160729	6.780	ug/l	100
52) Toluene	10.16	92	11095963	308.424	ug/l #	1
65) Chlorobenzene	11.43	112	33568	0.818	ug/l	100
67) Ethyl Benzene	11.51	91	3979412	56.390	ug/l	100
68) m/p-Xylenes	11.62	106	9468231	352.932	ug/l #	1
69) o-Xylene	11.95	106	2181725	84.750	ug/l	99
73) Isopropylbenzene	12.25	105	96997	1.537	ug/l	97
78) n-propylbenzene	12.59	91	187895	2.614	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	207865	4.041	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	671612	12.989	ug/l	99
85) sec-Butylbenzene	13.17	105	20355	0.331	ug/l #	67
86) p-Isopropyltoluene	13.29	119	101320	1.906	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	85127	2.895	ug/l	90
89) n-Butylbenzene	13.62	91	33951	0.742	ug/l #	78
91) 1,2-Dichlorobenzene	13.65	146	34942	1.279	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	87245	6.551	ug/l	93
95) Naphthalene	15.13	128	214760	7.764	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	28821	2.696	ug/l #	84

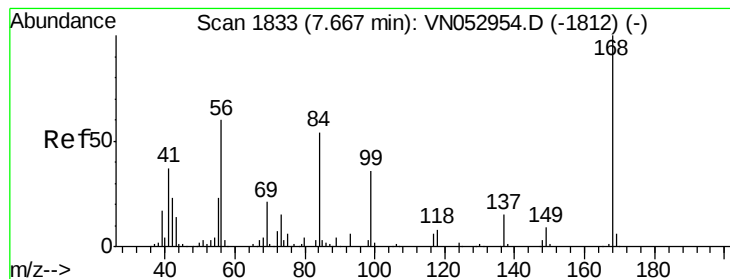
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121818\
Data File : VN052969.D
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P001-SD002-0612-01ME

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
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: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

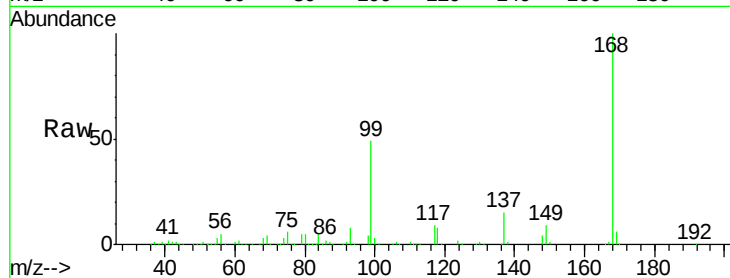
P001-SD002-0612-01ME

Tgt Ion:168 Resp: 1347717

Ion Ratio Lower Upper

168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

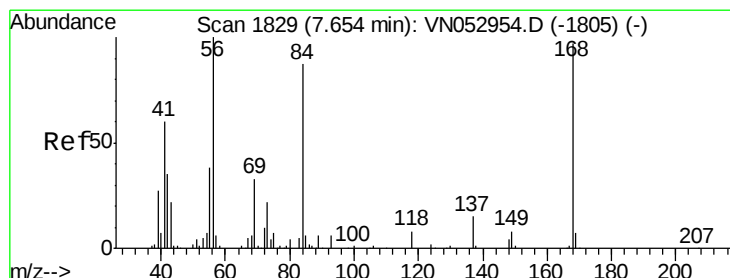
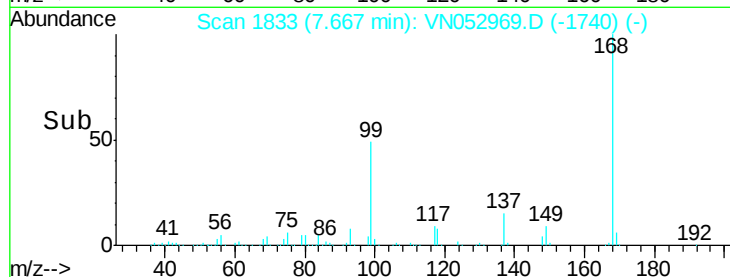
300000

200000

100000

0

Time-->



#31

Cyclohexane

Concen: 2.695 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

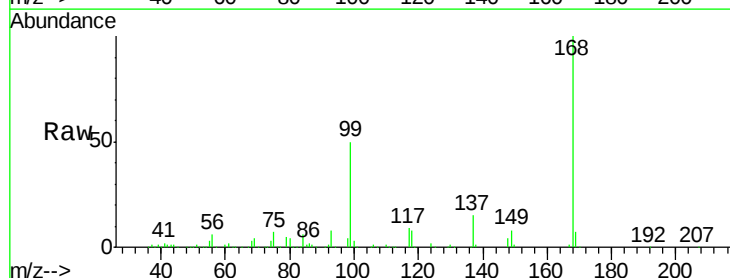
Tgt Ion: 56 Resp: 87326

Ion Ratio Lower Upper

56 100

69 77.7 26.6 39.8#

84 104.3 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

7.66

40000

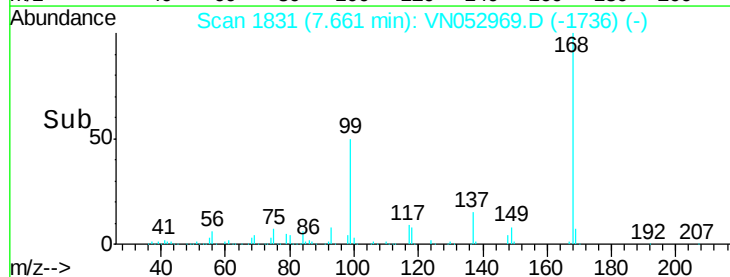
30000

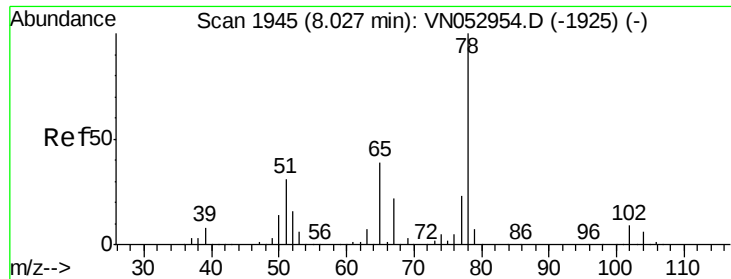
20000

10000

0

Time-->

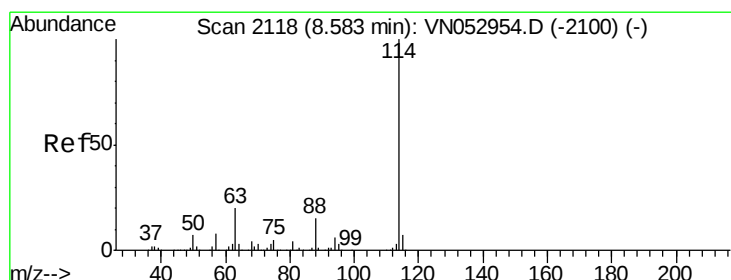
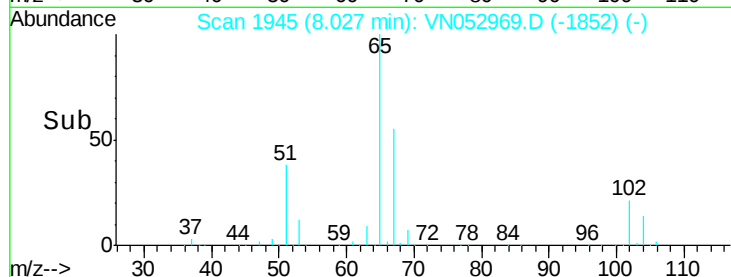
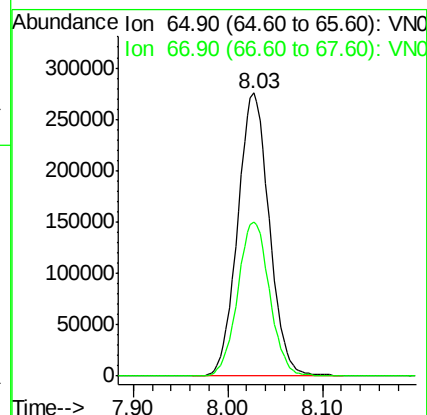
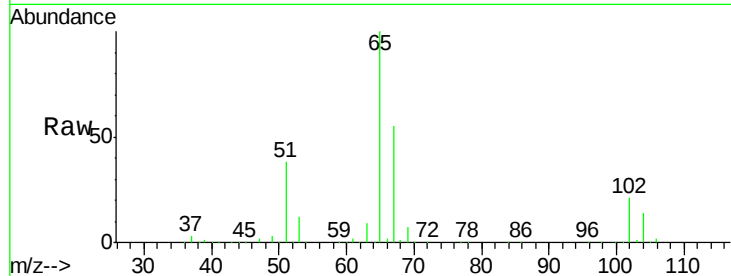




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

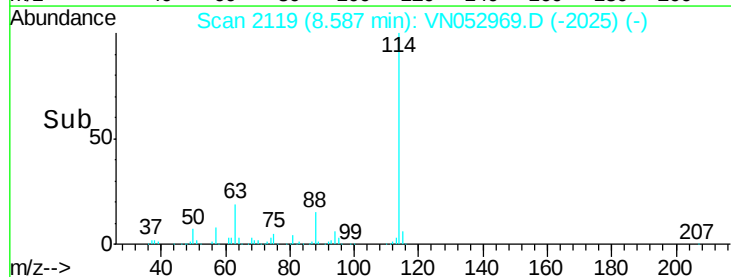
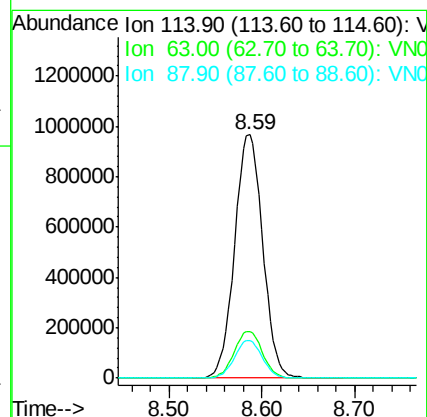
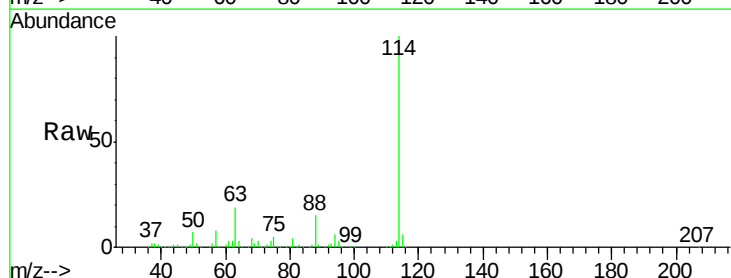
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

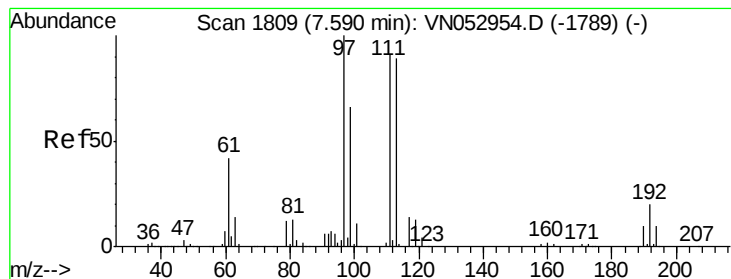
Tgt Ion: 65 Resp: 638612
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Tgt Ion: 114 Resp: 2033018
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0612-01ME

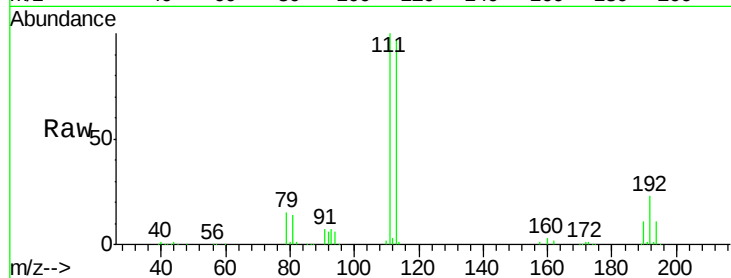
Tgt Ion: 113 Resp: 466921

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

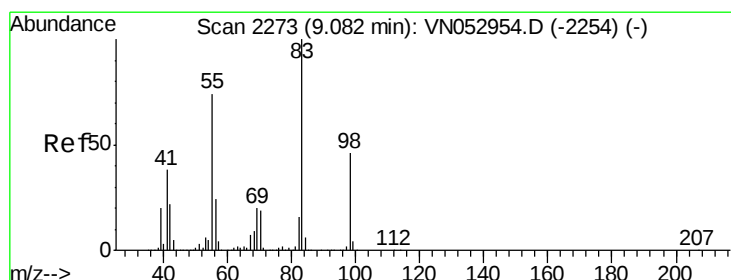
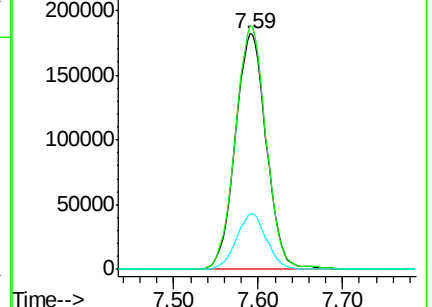
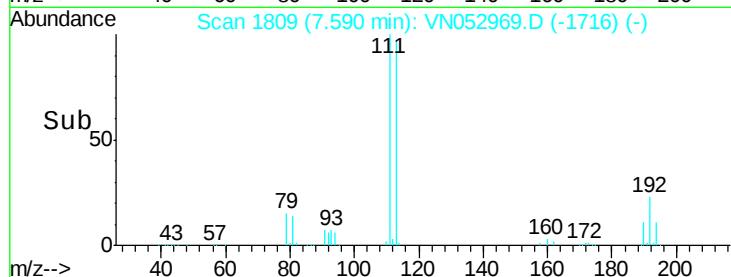
192 22.8 17.5 26.3



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: 6.780 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

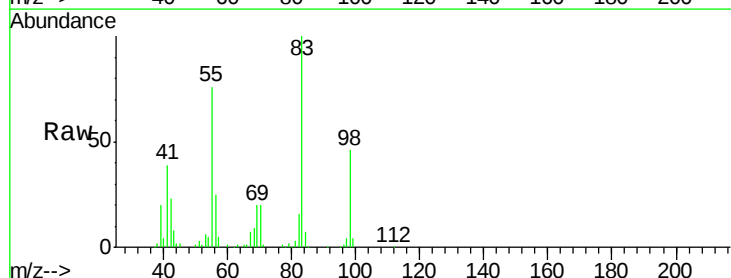
Tgt Ion: 83 Resp: 160729

Ion Ratio Lower Upper

83 100

55 76.1 61.3 91.9

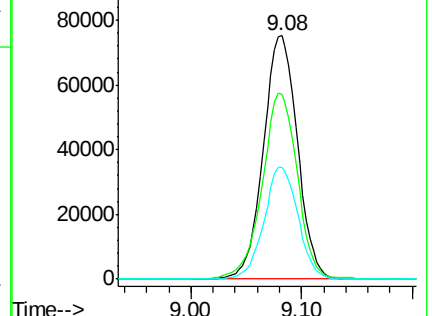
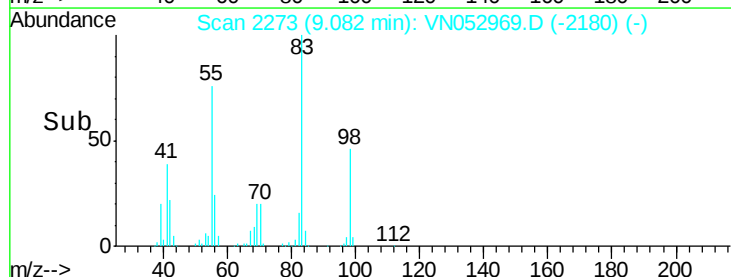
98 46.2 37.0 55.4

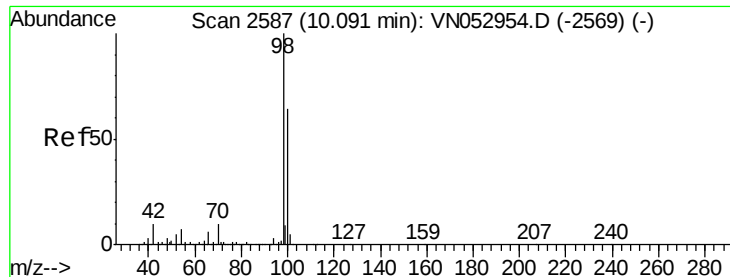


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

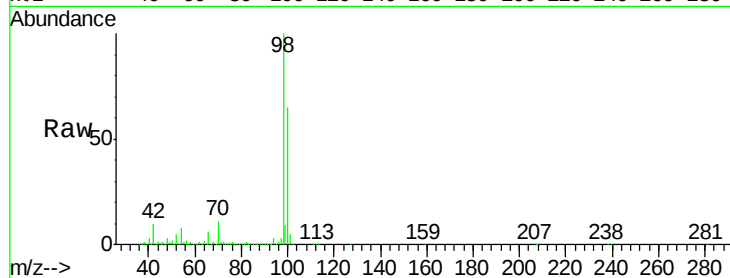
P001-SD002-0612-01ME

Tgt Ion: 98 Resp: 2507616

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

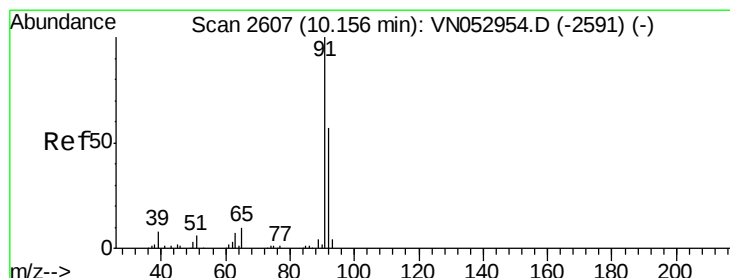
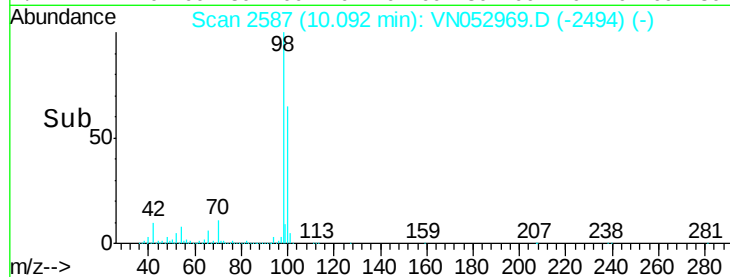
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 308.424 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052969.D

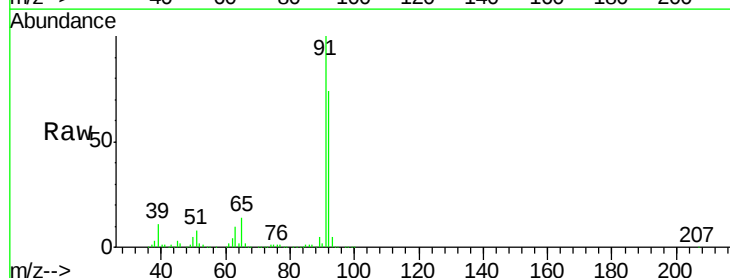
Acq: 18 Dec 2018 18:51

Tgt Ion: 92 Resp: 11095963

Ion Ratio Lower Upper

92 100

91 0.0 139.8 209.6#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1e+07

8000000

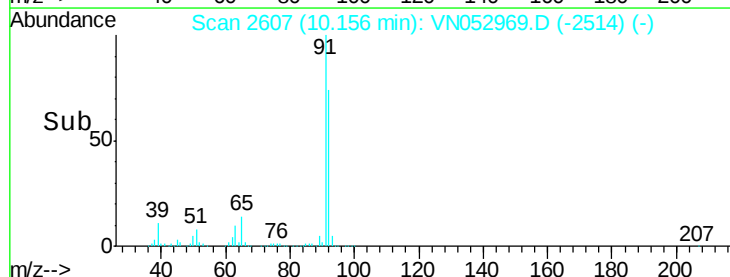
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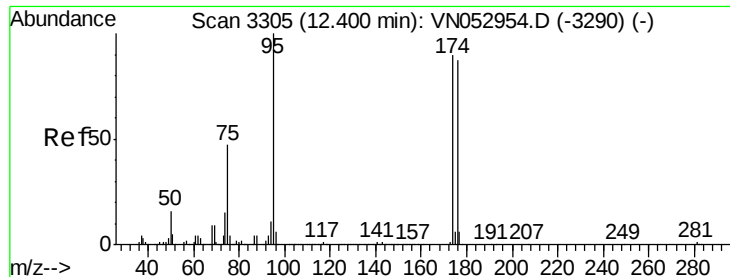
4000000

2000000

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Time-->





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0612-01ME

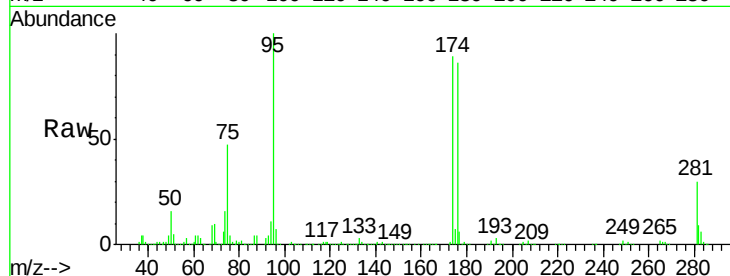
Tgt Ion: 95 Resp: 848697

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.8

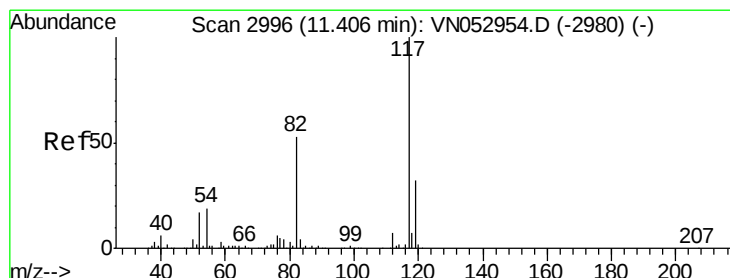
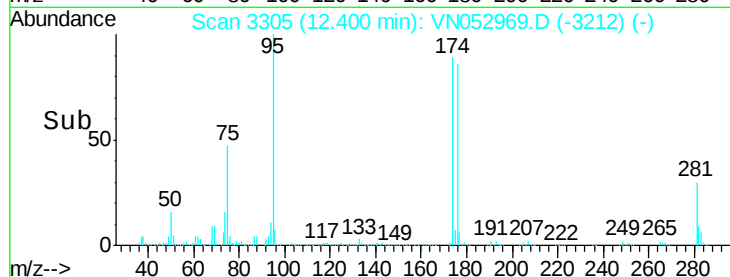
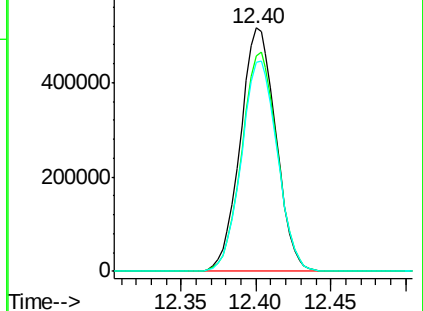
176 87.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

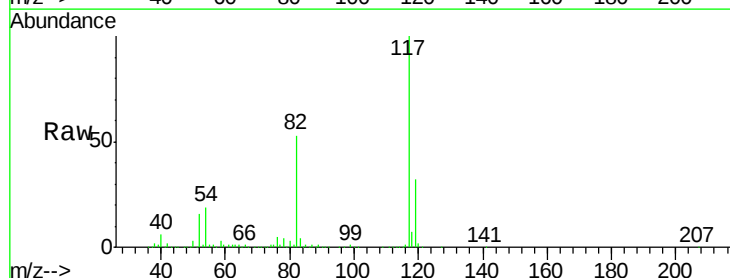
Tgt Ion: 117 Resp: 1851151

Ion Ratio Lower Upper

117 100

82 52.7 42.8 64.2

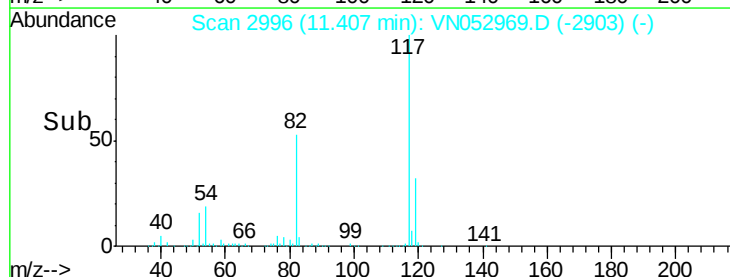
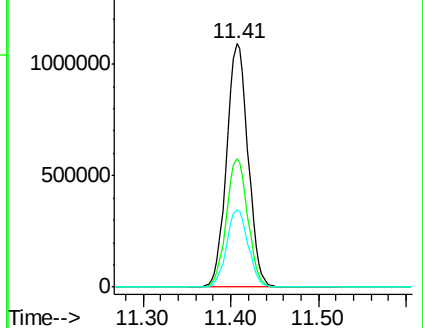
119 31.7 25.5 38.3

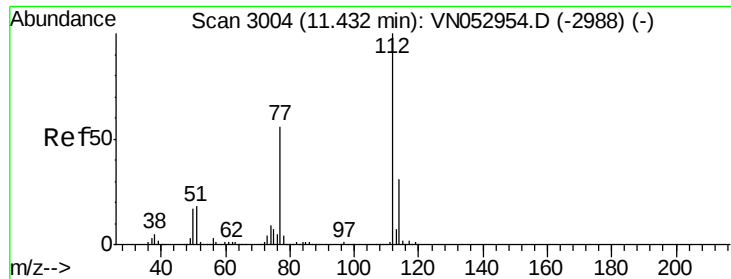


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

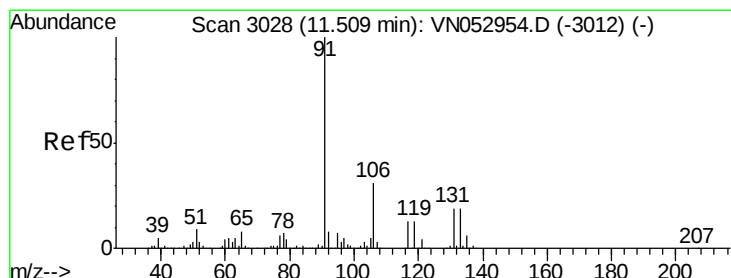
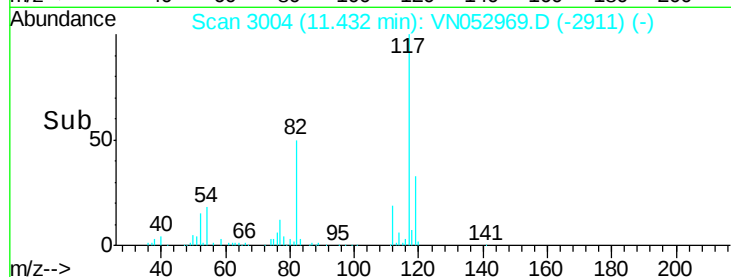
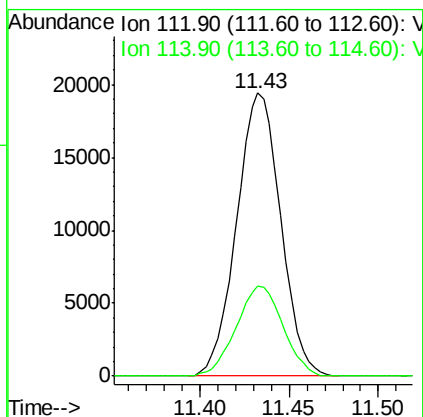
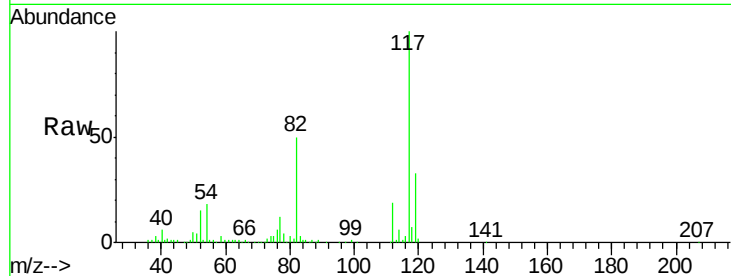




#65
Chlorobenzene
Concen: 0.818 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

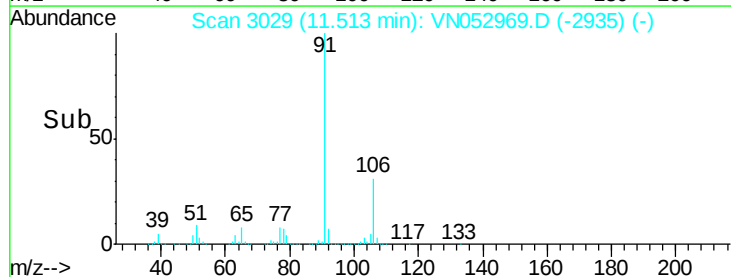
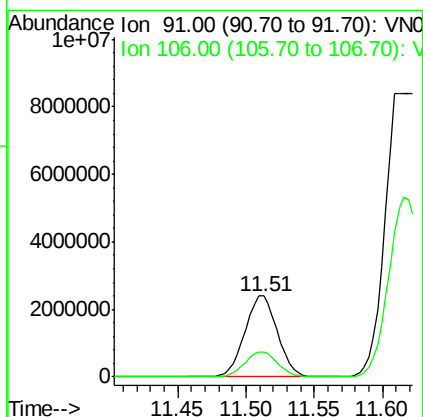
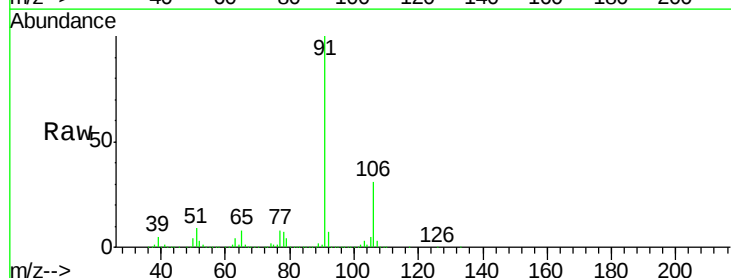
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P001-SD002-0612-01ME

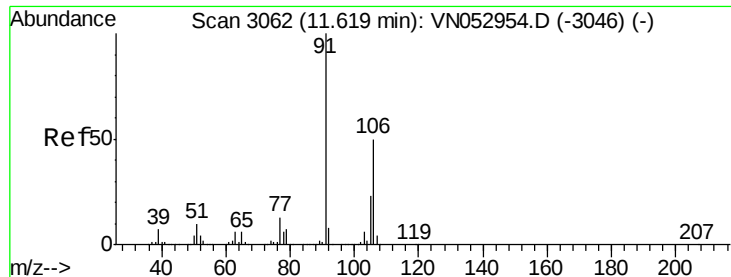
Tgt Ion: 112 Resp: 33568
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3



#67
Ethyl Benzene
Concen: 56.390 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion: 91 Resp: 3979412
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

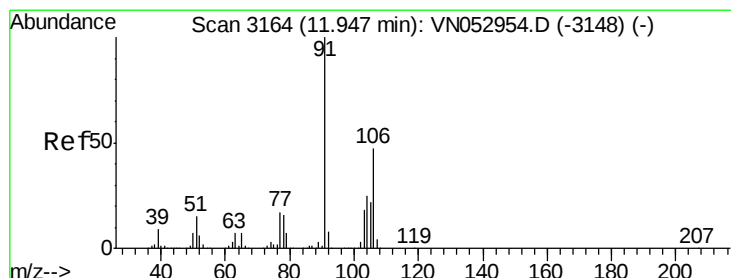
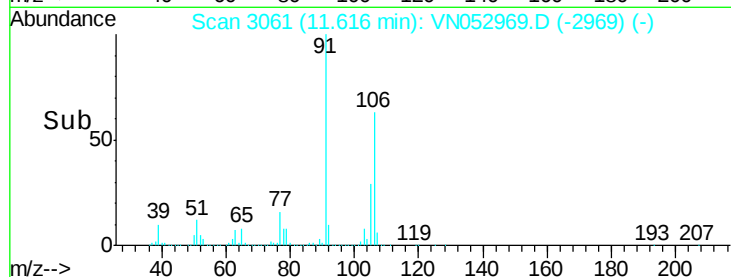
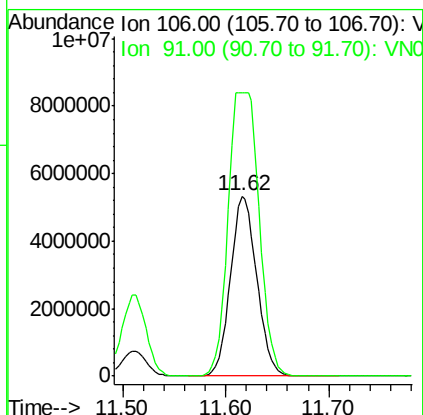
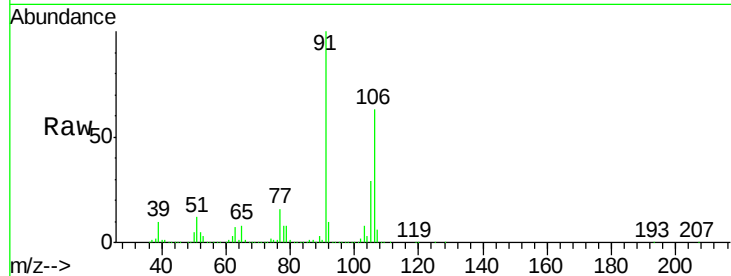




#68
m/p-Xylenes
Concen: 352.932 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

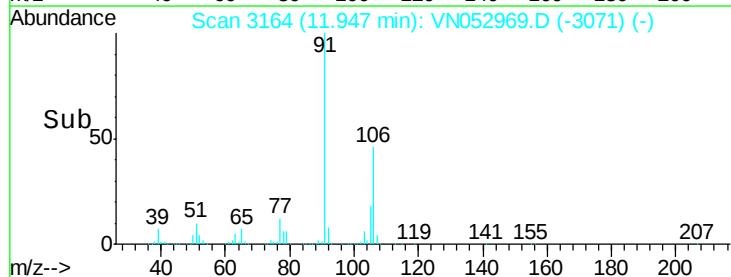
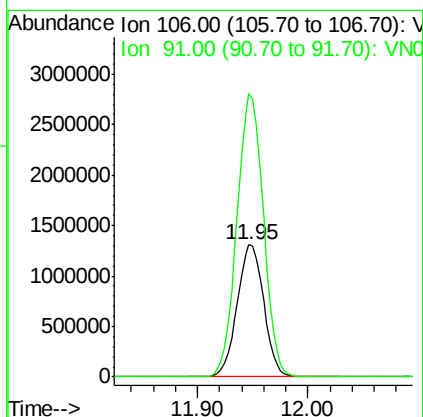
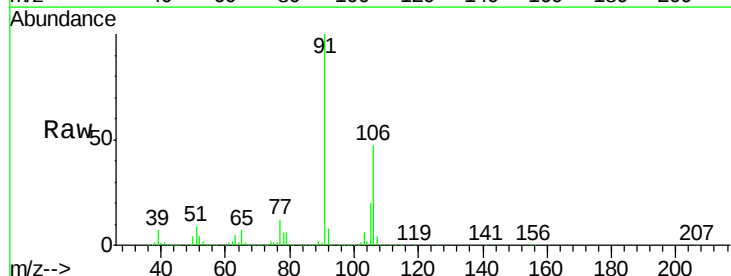
Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

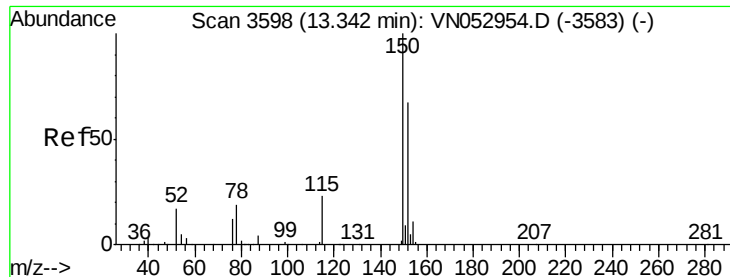
Tgt Ion:106 Resp: 9468231
Ion Ratio Lower Upper
106 100
91 0.0 162.2 243.4#



#69
o-Xylene
Concen: 84.750 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion:106 Resp: 2181725
Ion Ratio Lower Upper
106 100
91 214.2 106.6 319.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0612-01ME

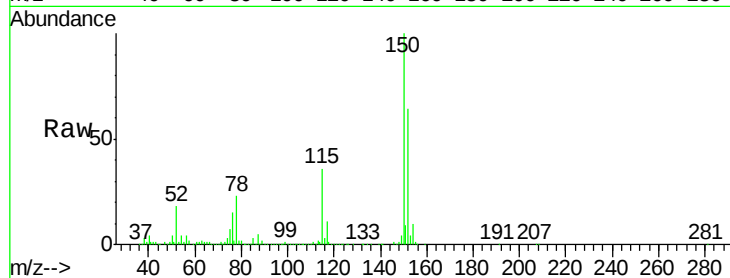
Tgt Ion:152 Resp: 806524

Ion Ratio Lower Upper

152 100

115 56.9 28.3 85.0

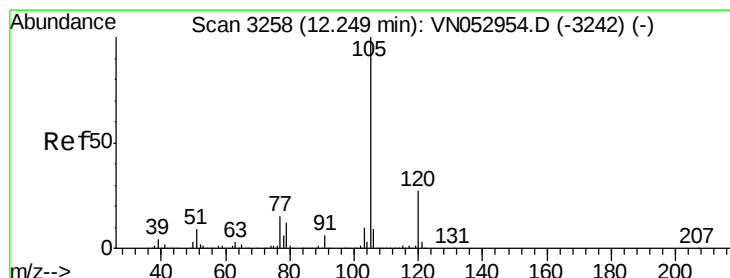
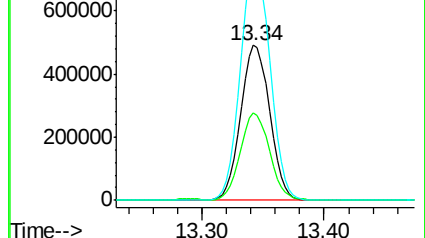
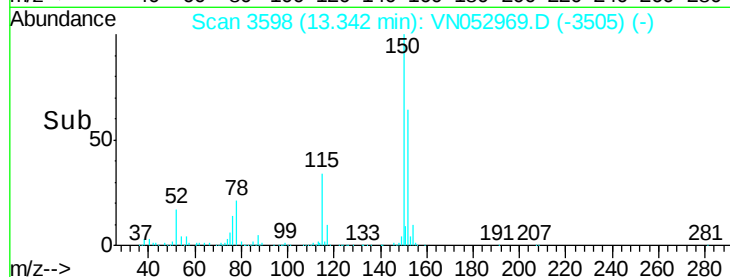
150 157.4 0.0 347.8



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



#73

Isopropylbenzene

Concen: 1.537 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052969.D

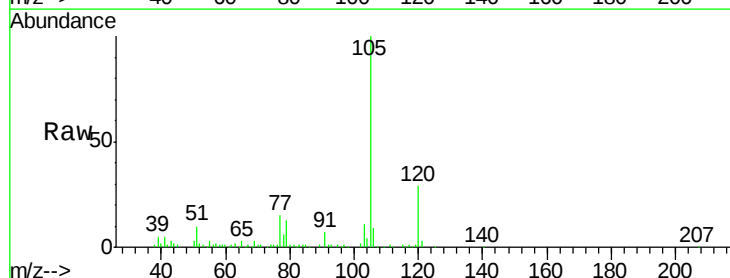
Acq: 18 Dec 2018 18:51

Tgt Ion:105 Resp: 96997

Ion Ratio Lower Upper

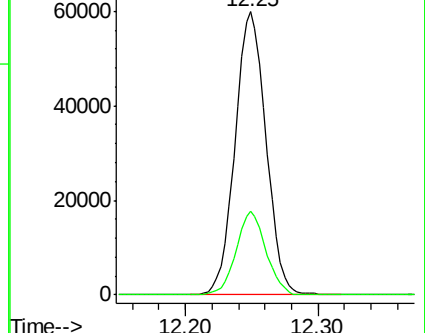
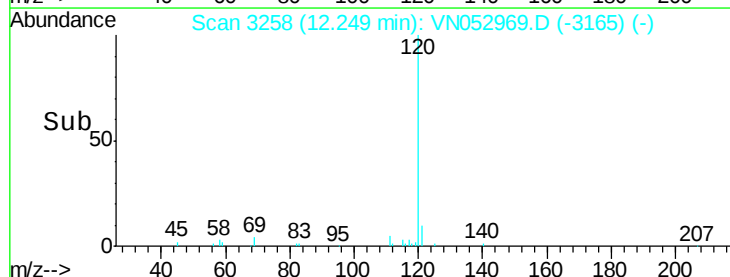
105 100

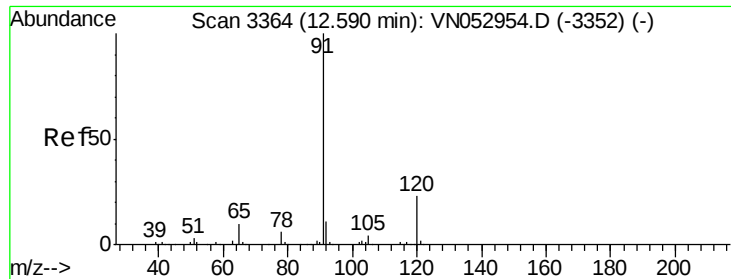
120 28.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.614 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

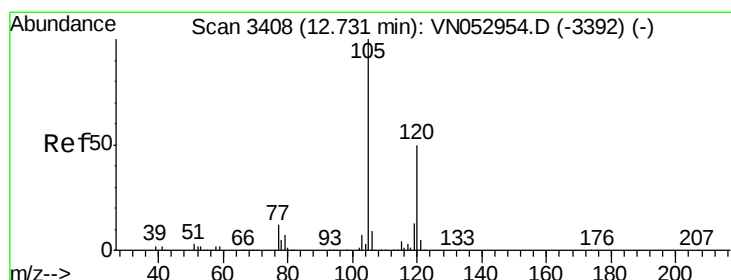
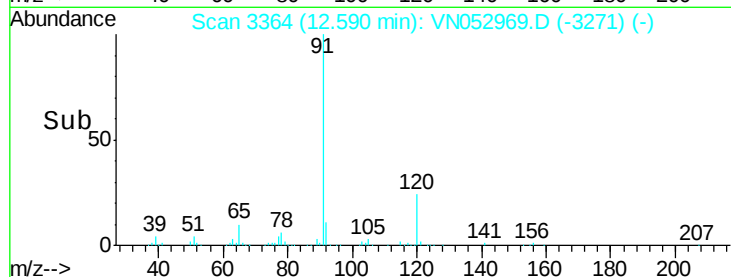
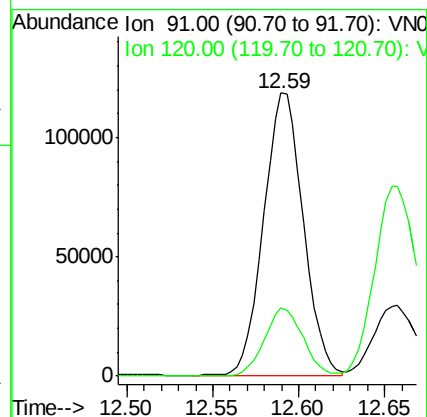
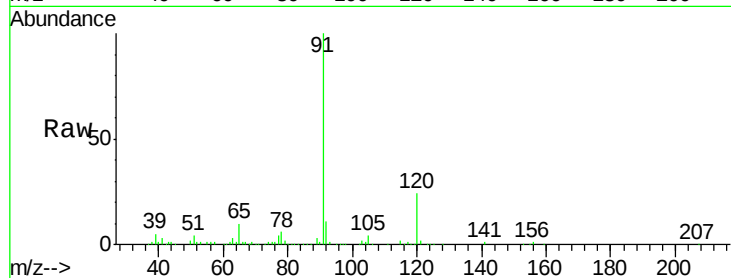
P001-SD002-0612-01ME

Tgt Ion: 91 Resp: 187895

Ion Ratio Lower Upper

91 100

120 23.7 11.5 34.5



#80

1,3,5-Trimethylbenzene

Concen: 4.041 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052969.D

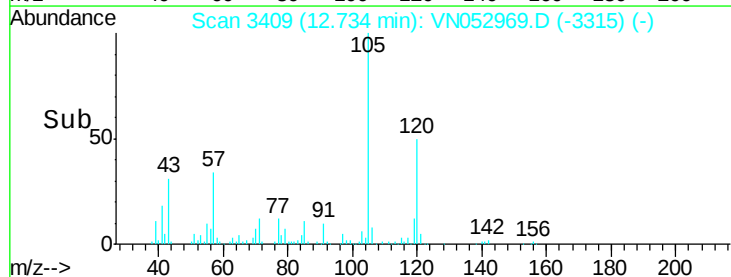
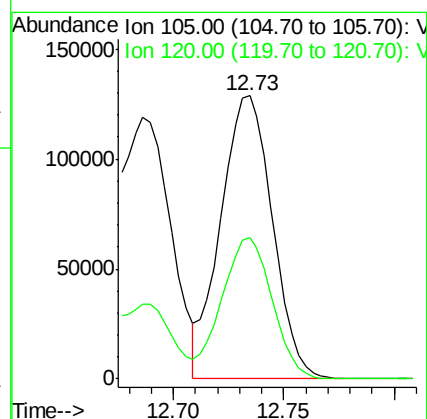
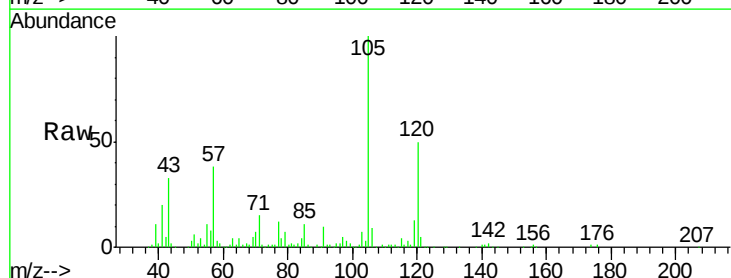
Acq: 18 Dec 2018 18:51

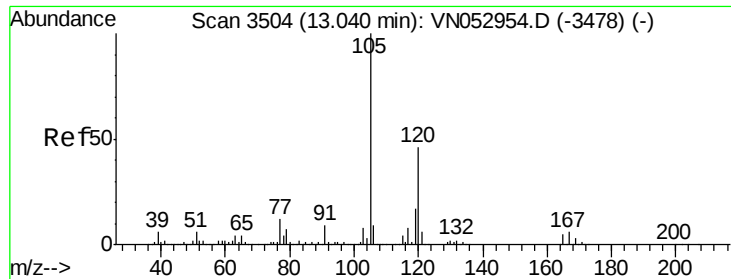
Tgt Ion: 105 Resp: 207865

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2

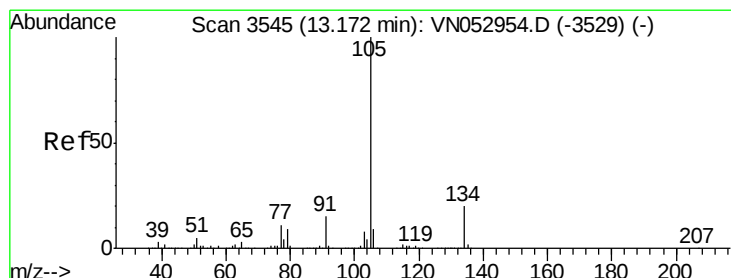
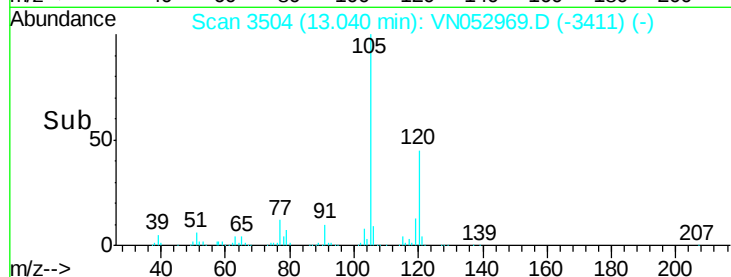
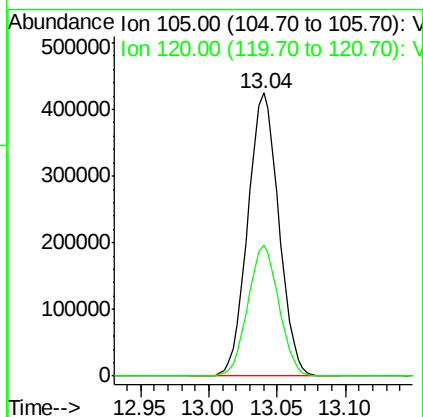
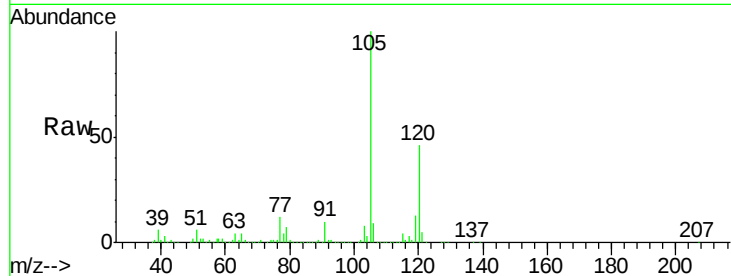




#84
1,2,4-Trimethylbenzene
Concen: 12.989 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

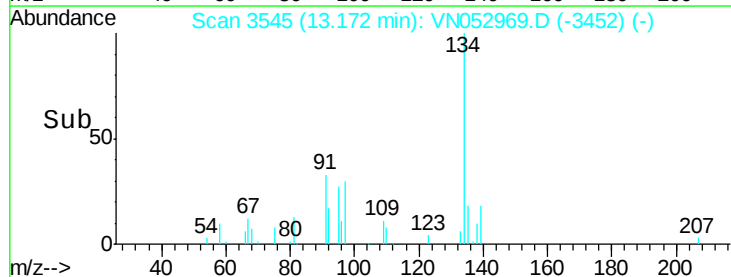
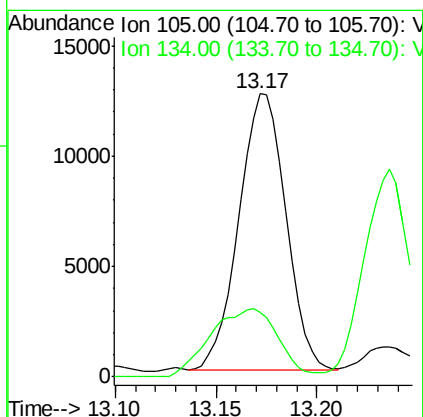
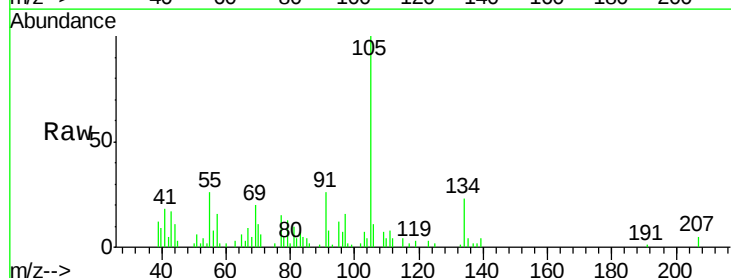
Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

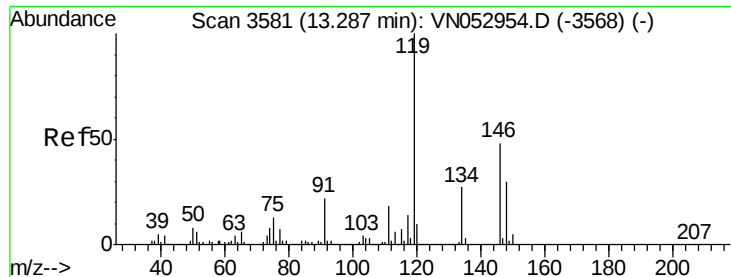
Tgt Ion:105 Resp: 671612
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.8



#85
sec-Butylbenzene
Concen: 0.331 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion:105 Resp: 20355
Ion Ratio Lower Upper
105 100
134 35.3 10.1 30.3#

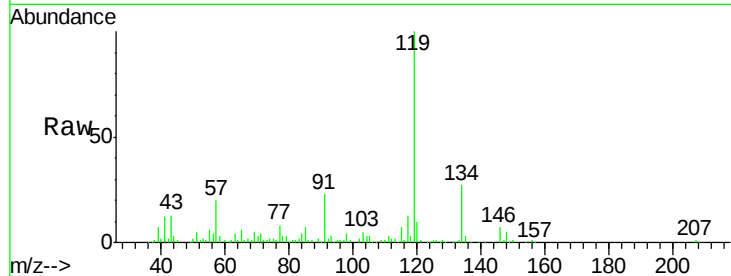




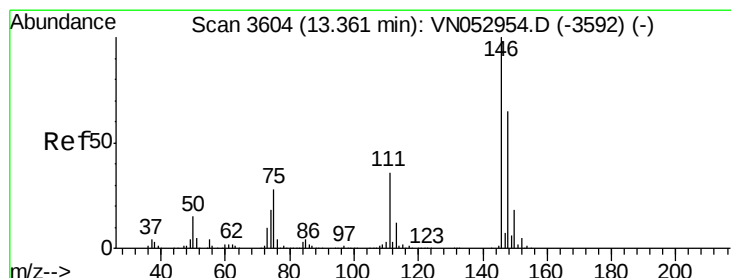
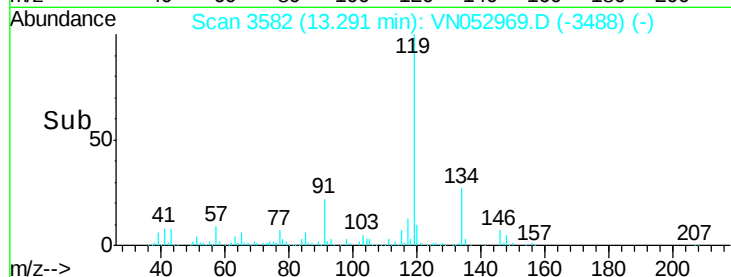
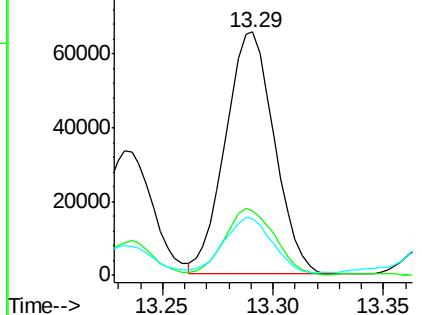
#86
 p-Isopropyltoluene
 Concen: 1.906 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.2	13.4	40.2
91	22.4	11.1	33.3

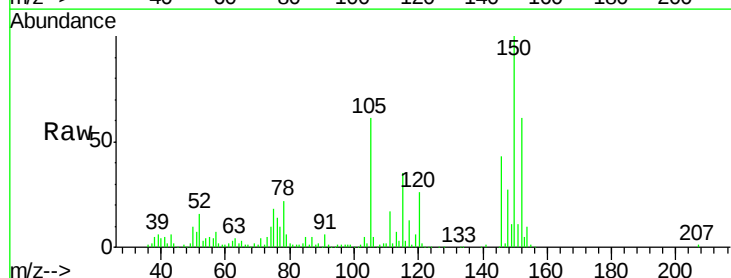


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

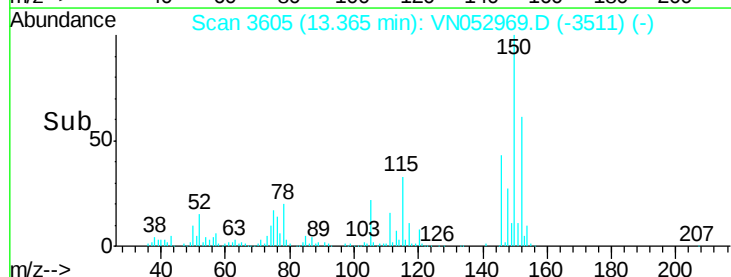
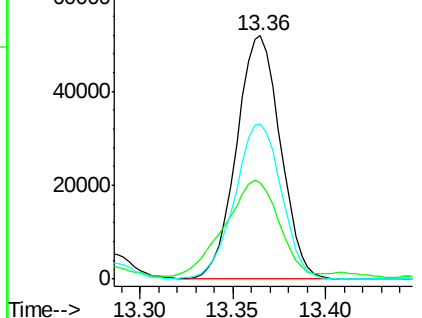


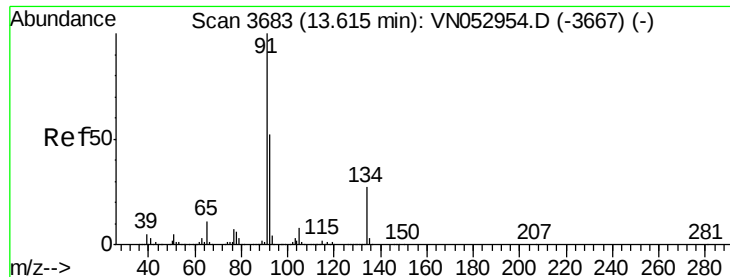
#88
 1,4-Dichlorobenzene
 Concen: 2.895 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.4	18.6	55.8
148	67.8	32.1	96.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

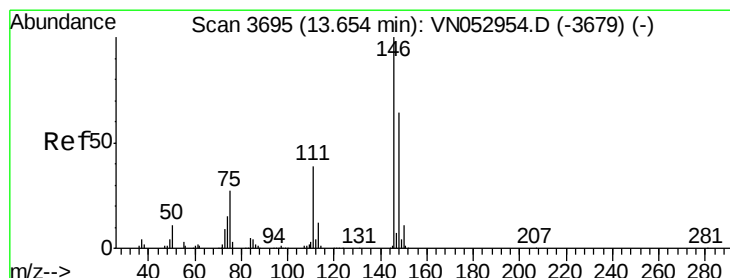
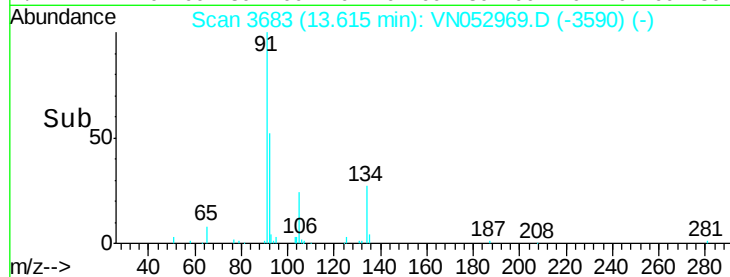
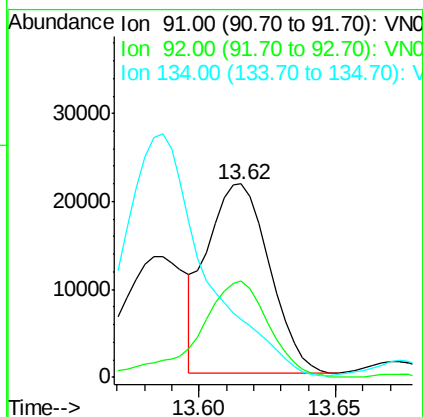
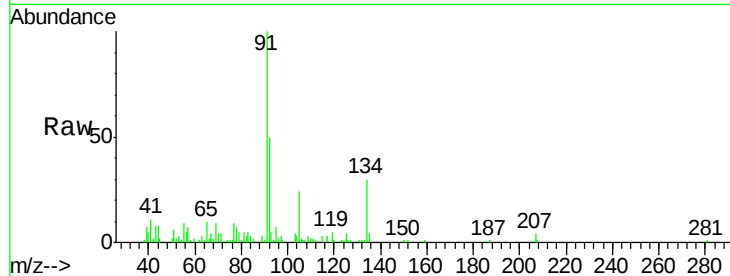




#89
n-Butylbenzene
Concen: 0.742 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

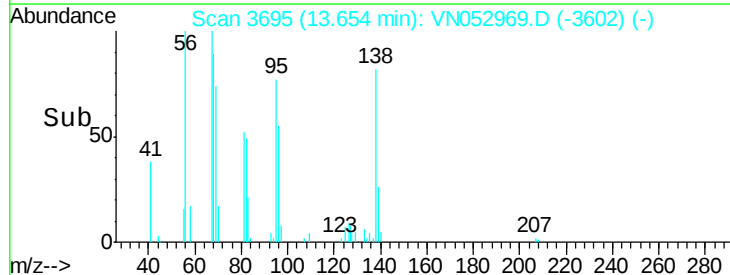
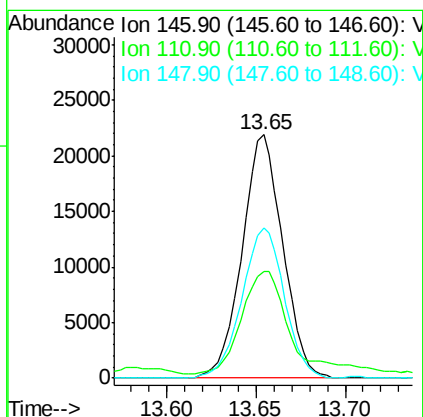
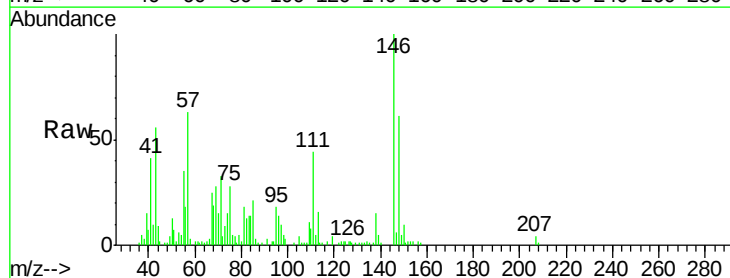
Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

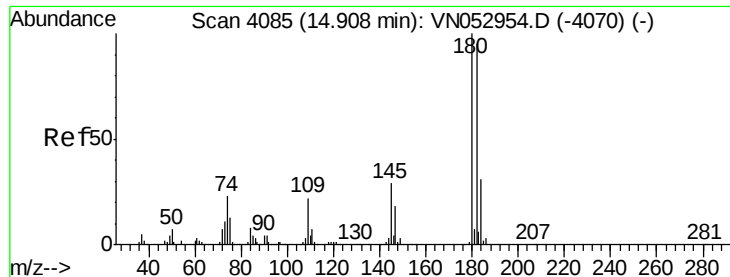
Tgt Ion: 91 Resp: 33951
Ion Ratio Lower Upper
91 100
92 57.8 26.3 78.9
134 0.0 13.3 39.8#



#91
1,2-Dichlorobenzene
Concen: 1.279 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion: 146 Resp: 34942
Ion Ratio Lower Upper
146 100
111 51.1 19.7 59.0
148 64.1 32.0 96.0

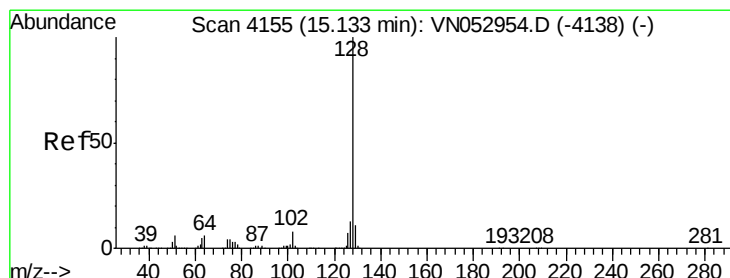
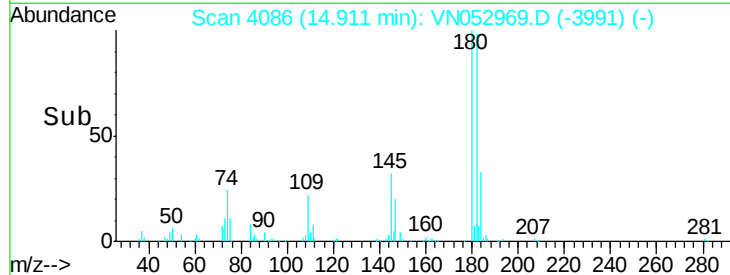
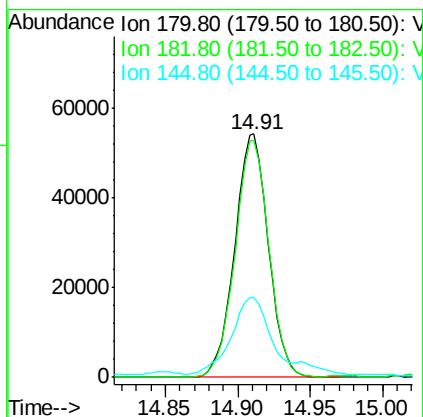
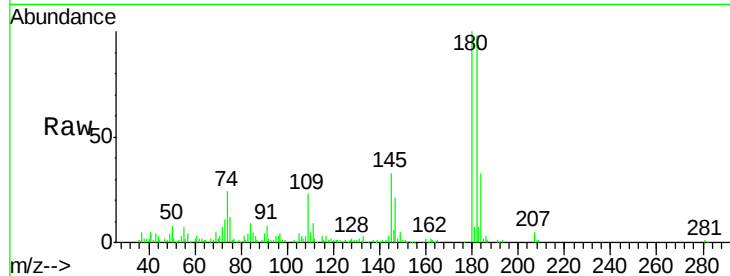




#93
 1,2,4-Trichlorobenzene
 Concen: 6.551 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

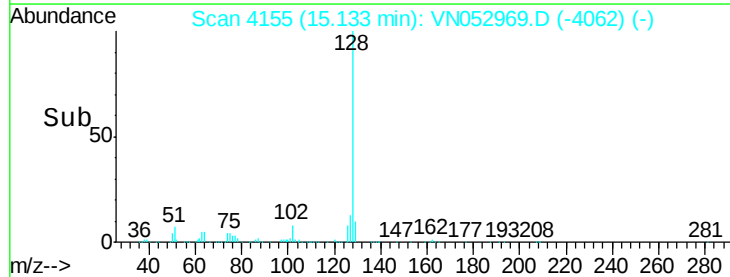
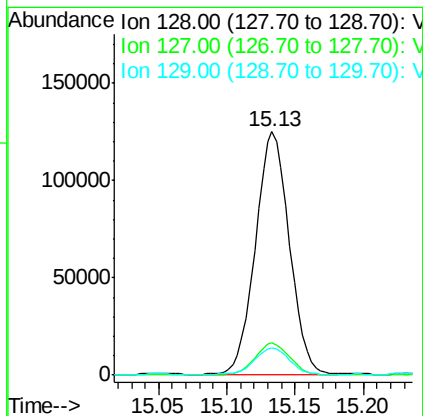
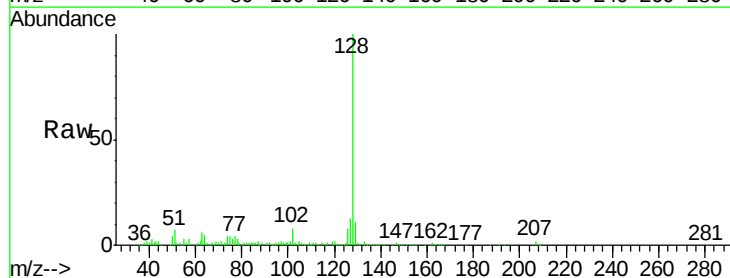
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

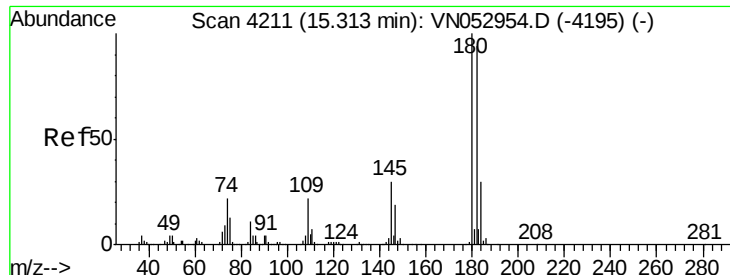
Tgt Ion:180 Resp: 87245
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.8 143.3
 145 40.7 14.2 42.6



#95
 Naphthalene
 Concen: 7.764 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Tgt Ion:128 Resp: 214760
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.2 15.4
 129 11.3 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.696 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.9	143.7
145	59.7	15.0	45.0

