

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054476.D
 Acq On : 20 Mar 2019 21:02
 Operator : JC/SP
 Sample : K1994-01
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30200-05

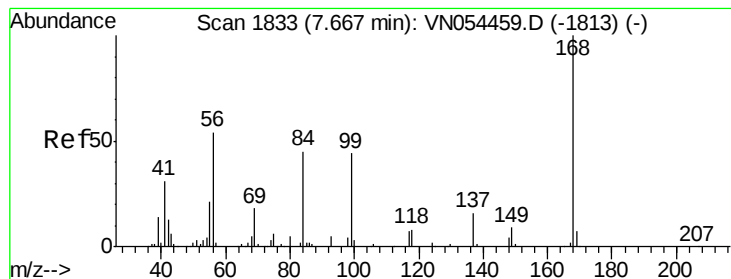
Quant Time: Mar 22 05:37:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	738692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1084438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	943574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	448898	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	400983	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
35) Dibromofluoromethane	7.59	113	314456	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	
50) Toluene-d8	10.09	98	1325287	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	447070	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	18252m	1.574	ug/l	
52) Toluene	10.16	92	32804	1.839	ug/l	97
67) Ethyl Benzene	11.51	91	323283	9.536	ug/l	99
68) m/p-Xylenes	11.62	106	349688	27.233	ug/l	100
69) o-Xylene	11.95	106	225077	17.949	ug/l	98
73) Isopropylbenzene	12.25	105	264876	7.322	ug/l	99
78) n-propylbenzene	12.59	91	748299	19.077	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	817979	27.591	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3101090	106.603	ug/l	98
85) sec-Butylbenzene	13.17	105	606614	18.857	ug/l	95
86) p-Isopropyltoluene	13.29	119	379923	13.201	ug/l	99
89) n-Butylbenzene	13.61	91	620573	27.576	ug/l #	74
95) Naphthalene	15.13	128	315387	19.697	ug/l #	78

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054476.D

Acq: 20 Mar 2019 21:02

Instrument :

MSVOA_N

ClientSampled :

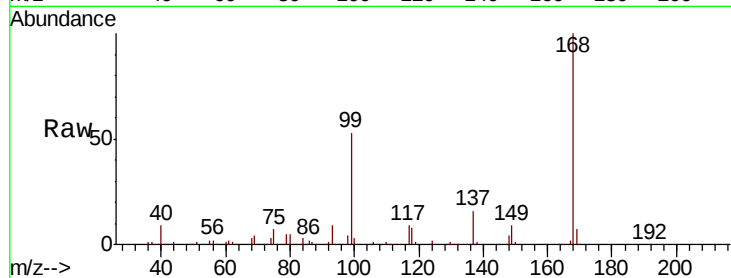
30200-05

Tot Ion:168 Resp: 738692

Ion Ratio Lower Upper

168 100

99 52.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

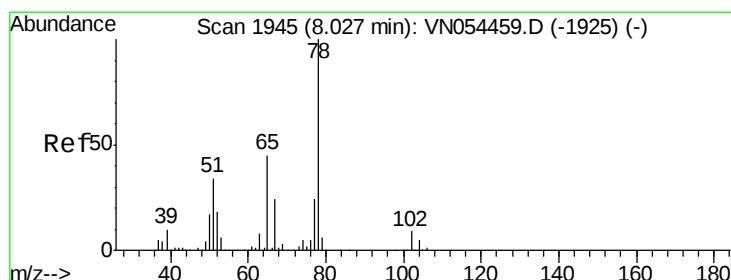
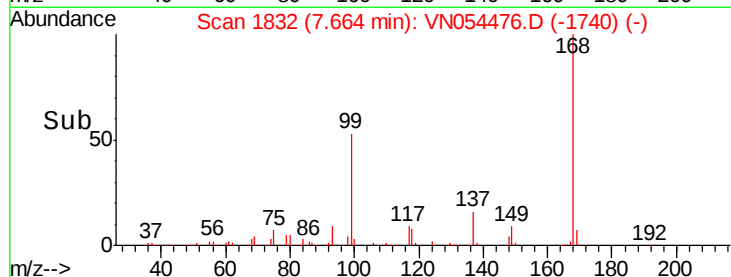
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 43.641 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054476.D

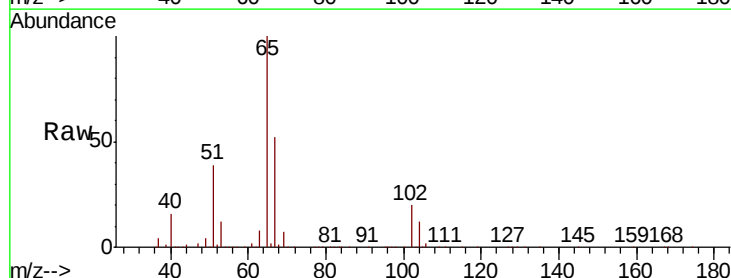
Acq: 20 Mar 2019 21:02

Tgt Ion: 65 Resp: 400983

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.02

200000

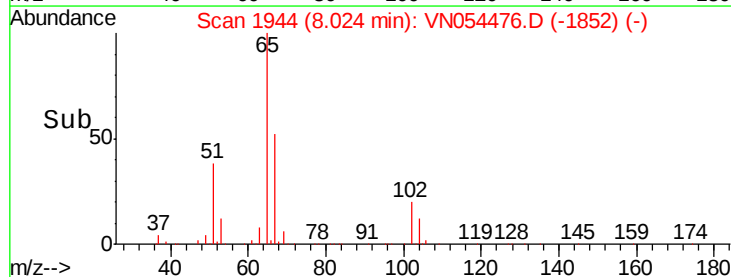
150000

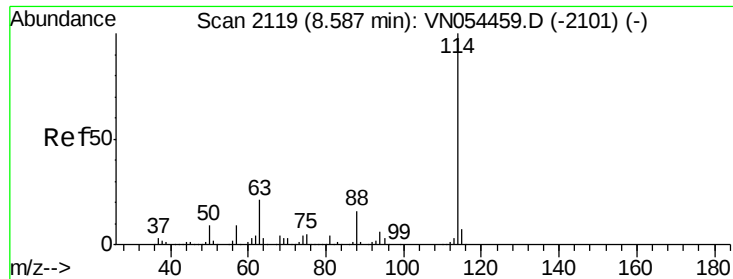
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50000

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Time-->

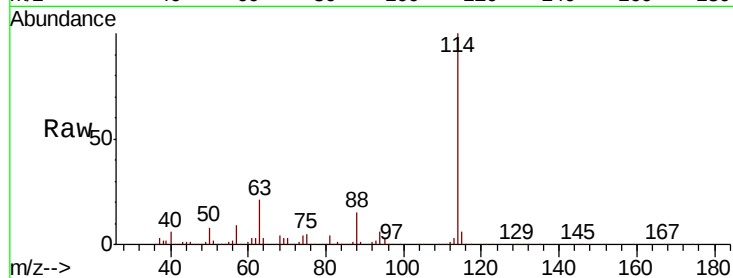




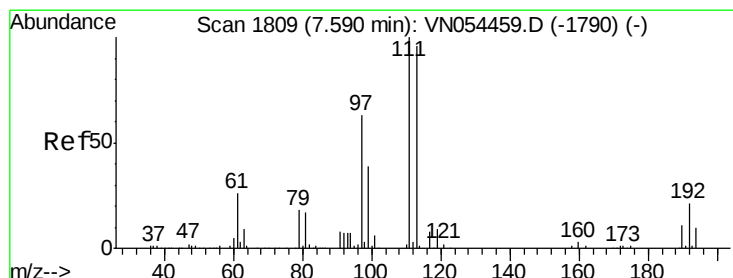
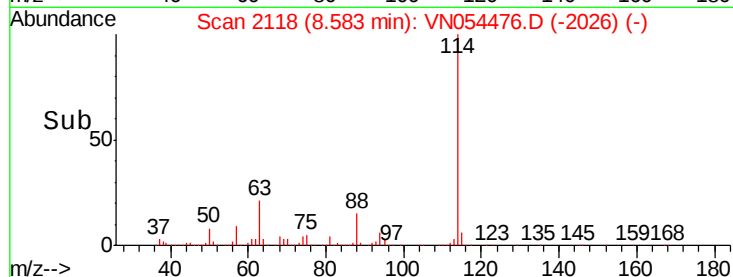
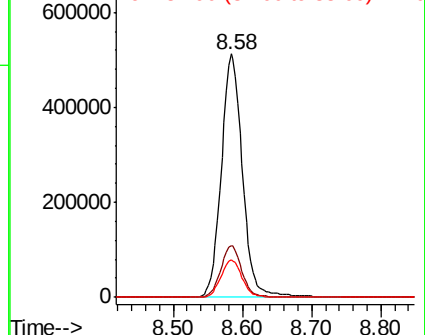
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054476.D
 Acq: 20 Mar 2019 21:02

Instrument :
 MSVOA_N
 ClientSampleId :
 30200-05

Tot Ion:114 Resp: 1084438
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 35.2
 88 15.3 0.0 30.2

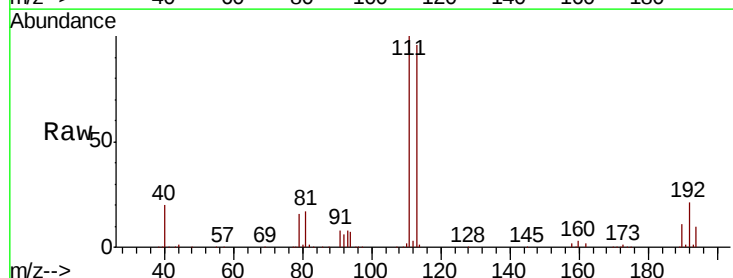


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

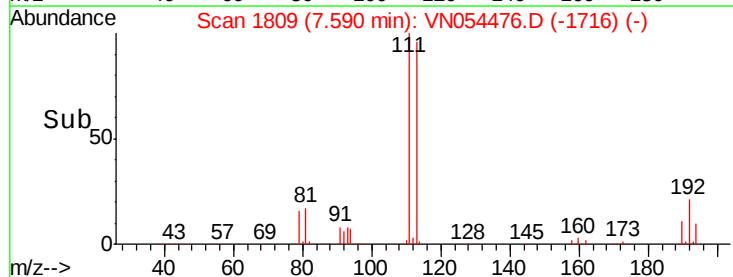
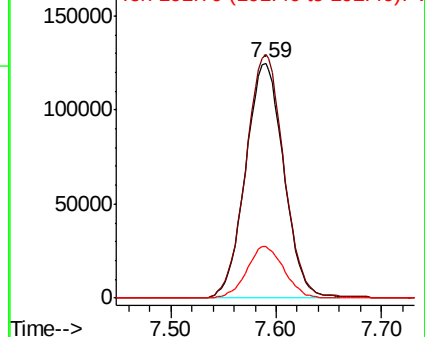


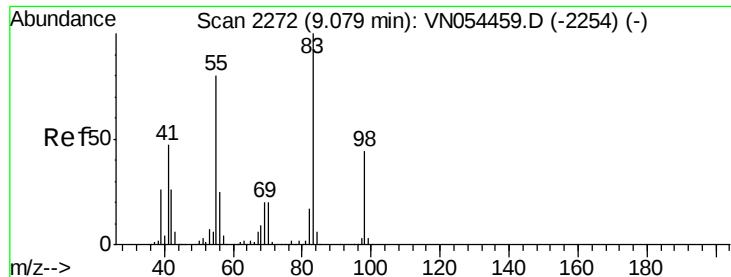
#35
 Dibromofluoromethane
 Concen: 45.009 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054476.D
 Acq: 20 Mar 2019 21:02

Tgt Ion:113 Resp: 314456
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.2 123.4
 192 21.5 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

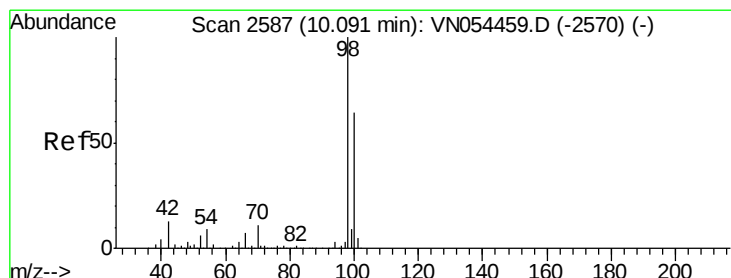
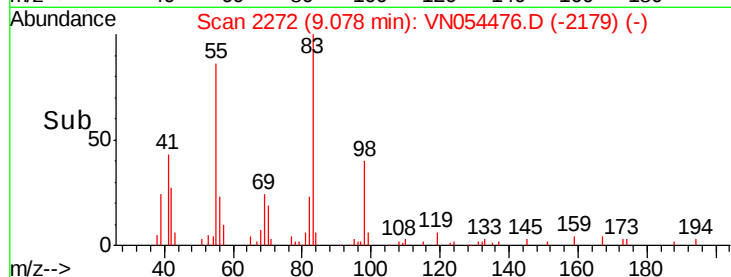
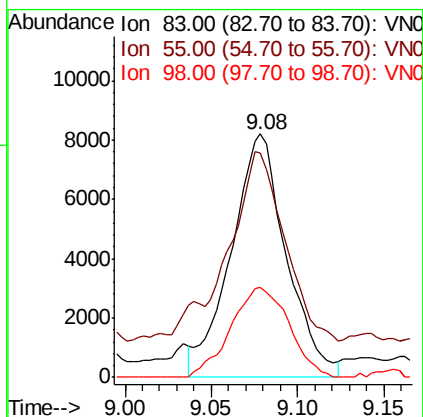
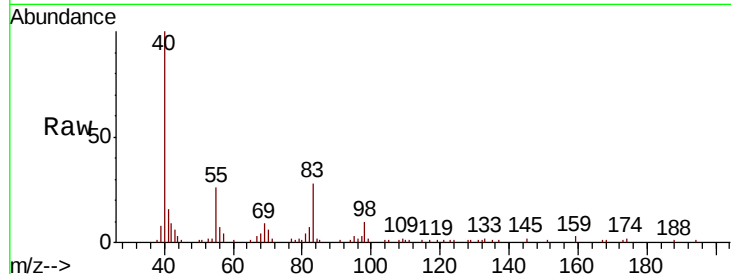




#39
Methylcyclohexane
Concen: 1.574 ug/l m
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054476.D
Acq: 20 Mar 2019 21:02

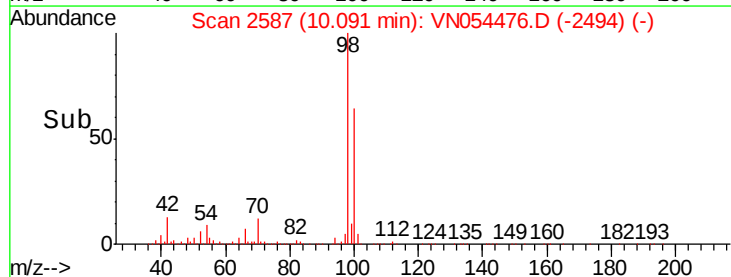
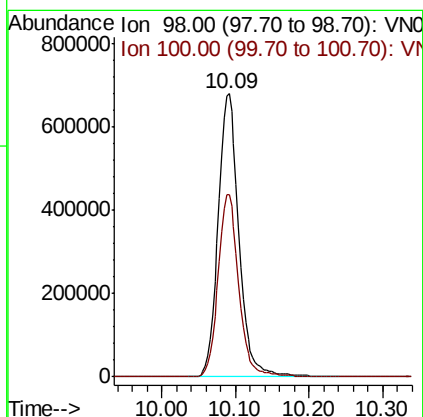
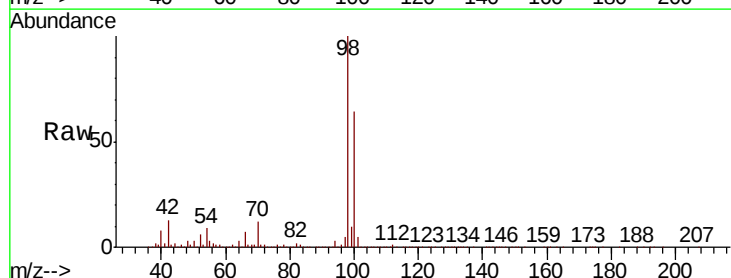
Instrument :
MSVOA_N
ClientSampled :
30200-05

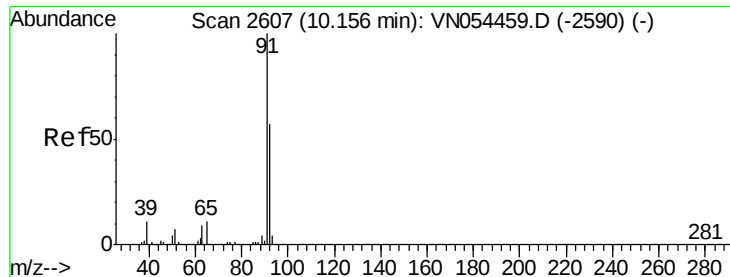
Tot Ion: 83 Resp: 18252
Ion Ratio Lower Upper
83 100
55 92.2 56.6 84.8#
98 36.9 38.4 57.6#



#50
Toluene-d8
Concen: 50.459 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054476.D
Acq: 20 Mar 2019 21:02

Tgt Ion: 98 Resp: 1325287
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8





#52

Toluene

Concen: 1.839 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054476.D

Acq: 20 Mar 2019 21:02

Instrument :

MSVOA_N

ClientSampleId :

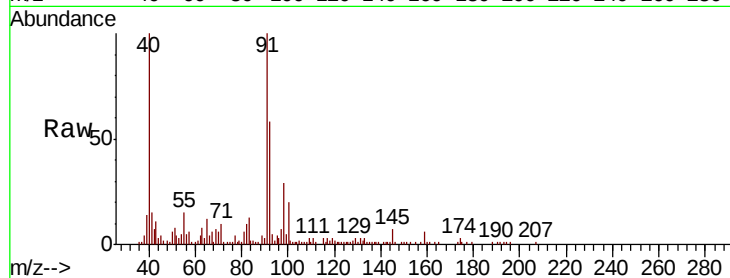
30200-05

Tot Ion: 92 Resp: 32804

Ion Ratio Lower Upper

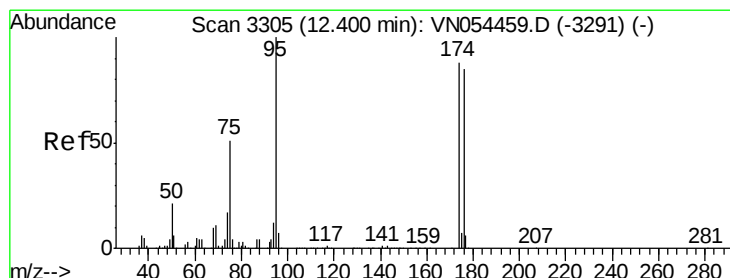
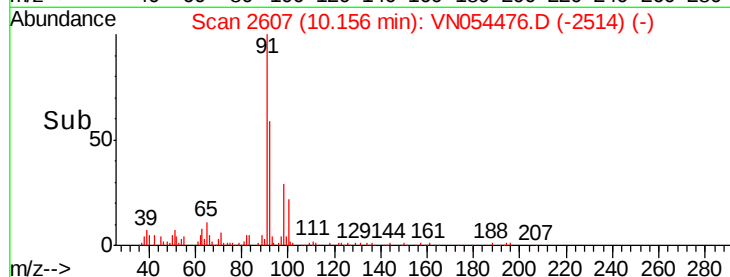
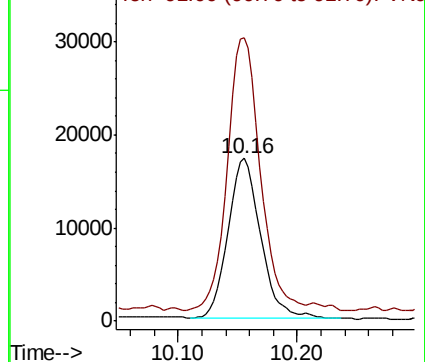
92 100

91 171.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 50.022 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054476.D

Acq: 20 Mar 2019 21:02

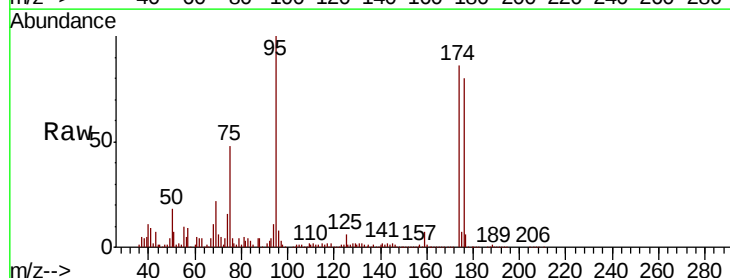
Tgt Ion: 95 Resp: 447070

Ion Ratio Lower Upper

95 100

174 88.1 0.0 191.0

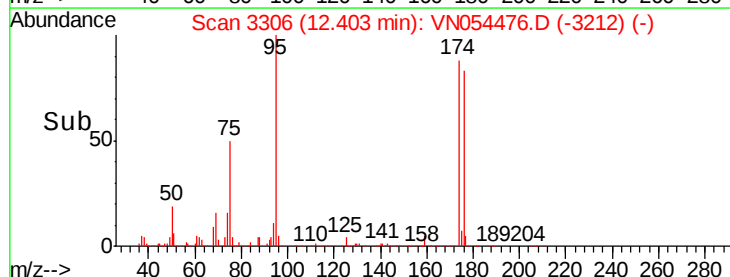
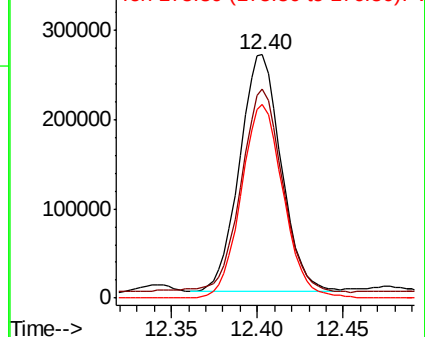
176 82.6 0.0 187.4

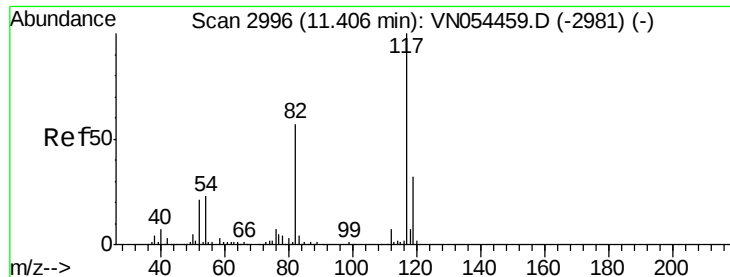


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

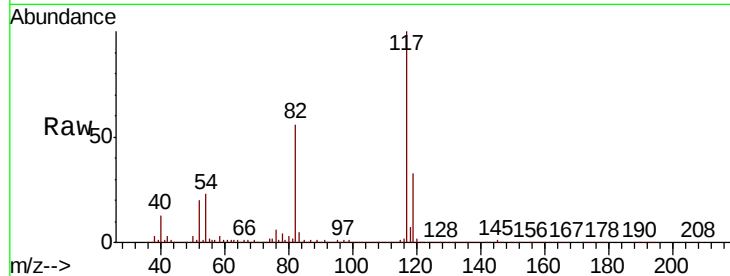




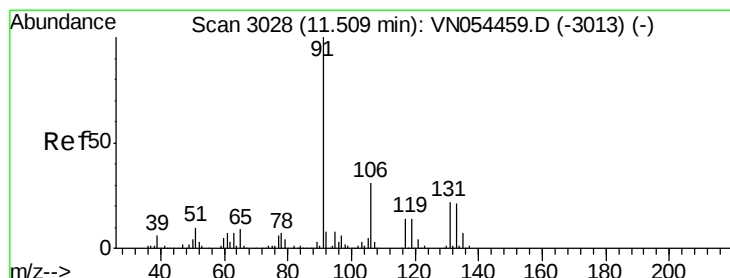
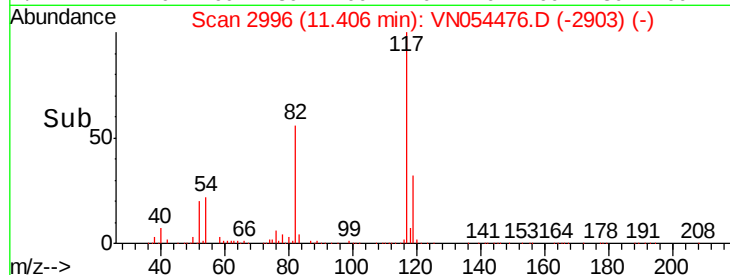
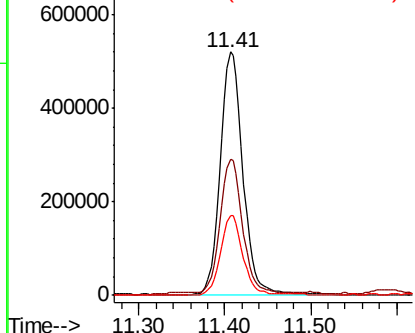
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054476.D
Acq: 20 Mar 2019 21:02

Instrument :
MSVOA_N
ClientSampleId :
30200-05

Tot Ion:117 Resp: 943574
Ion Ratio Lower Upper
117 100
82 55.3 40.0 60.0
119 32.7 25.8 38.6

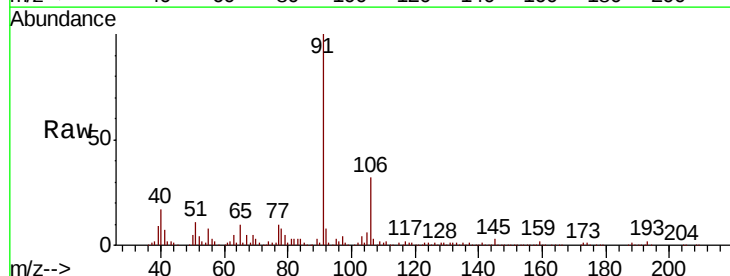


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

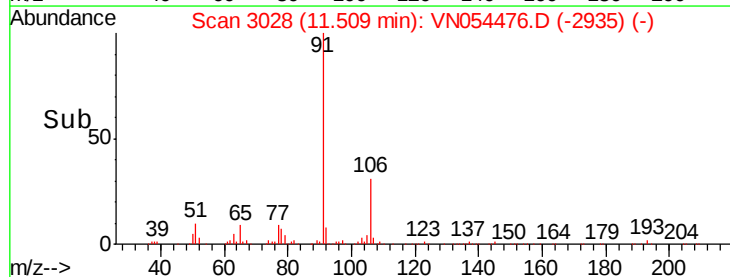
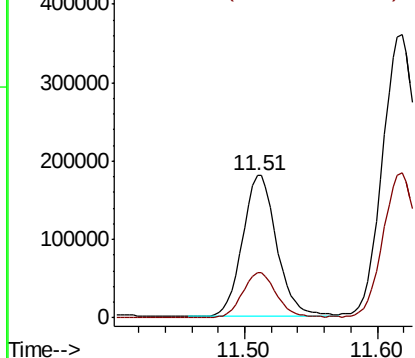


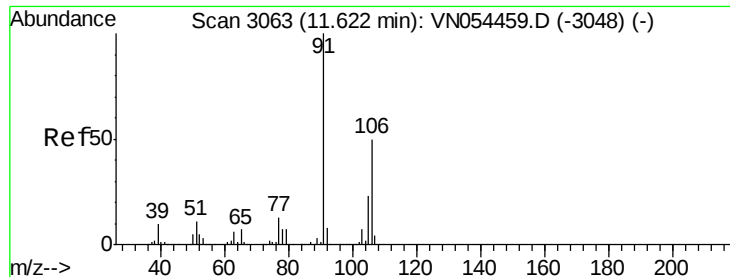
#67
Ethyl Benzene
Concen: 9.536 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054476.D
Acq: 20 Mar 2019 21:02

Tgt Ion: 91 Resp: 323283
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3



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

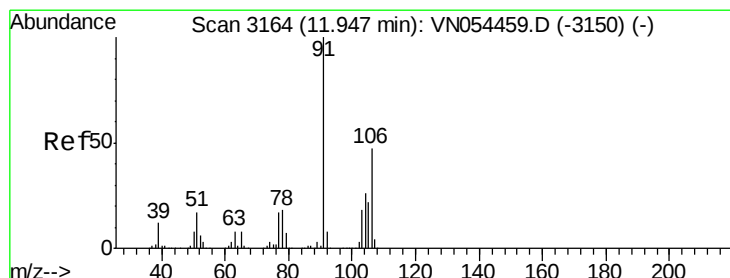
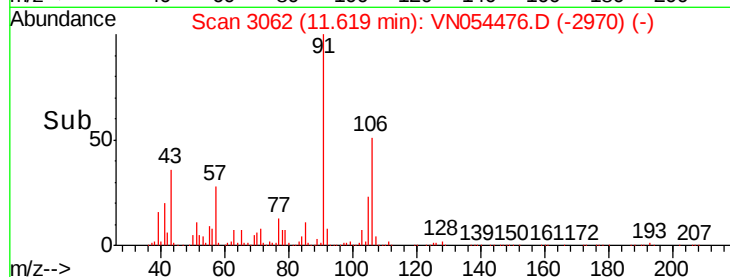
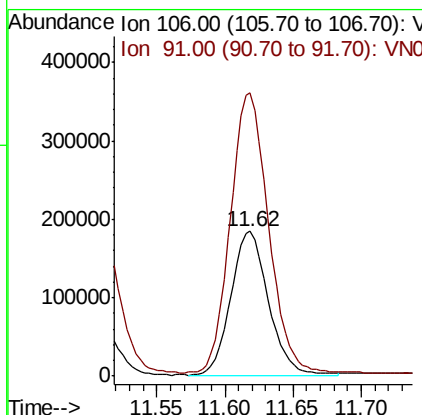
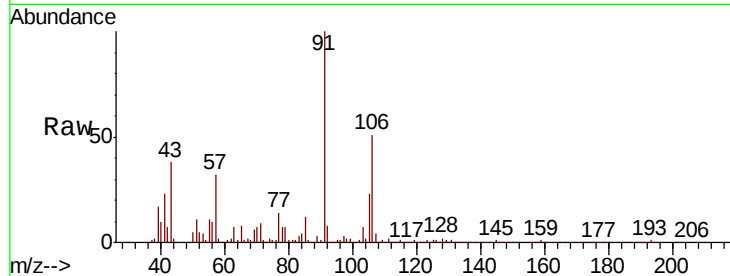




#68
m/p-Xylenes
Concen: 27.233 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054476.D
Acq: 20 Mar 2019 21:02

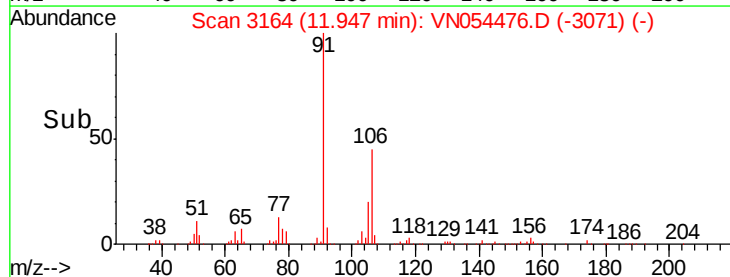
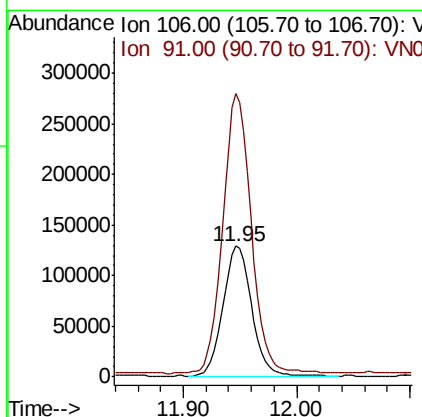
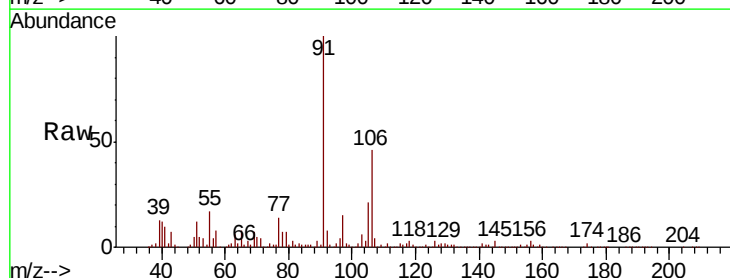
Instrument :
MSVOA_N
ClientSampled :
30200-05

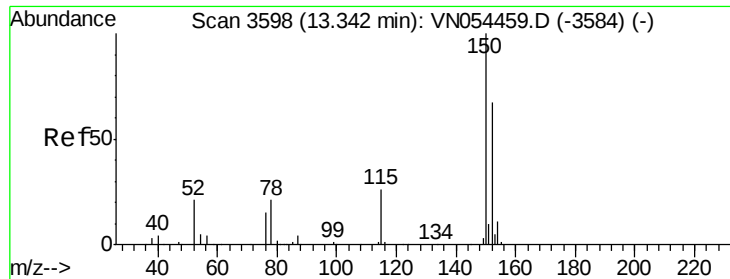
Tot Ion:106 Resp: 349688
Ion Ratio Lower Upper
106 100
91 199.7 159.4 239.2



#69
o-Xylene
Concen: 17.949 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054476.D
Acq: 20 Mar 2019 21:02

Tgt Ion:106 Resp: 225077
Ion Ratio Lower Upper
106 100
91 214.2 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054476.D

Acq: 20 Mar 2019 21:02

Instrument :

MSVOA_N

ClientSampled :

30200-05

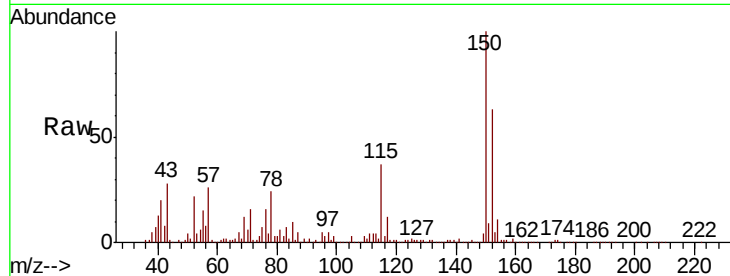
Tot Ion:152 Resp: 448898

Ion Ratio Lower Upper

152 100

115 69.2 27.2 81.6

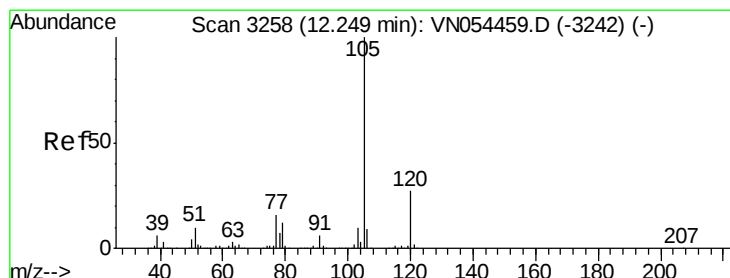
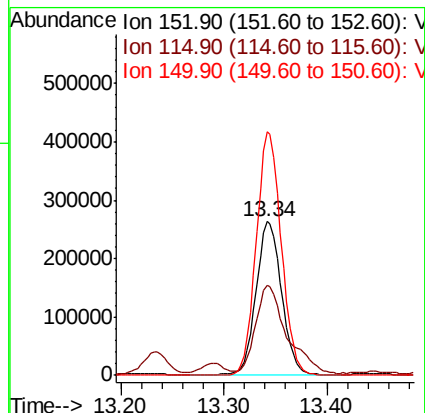
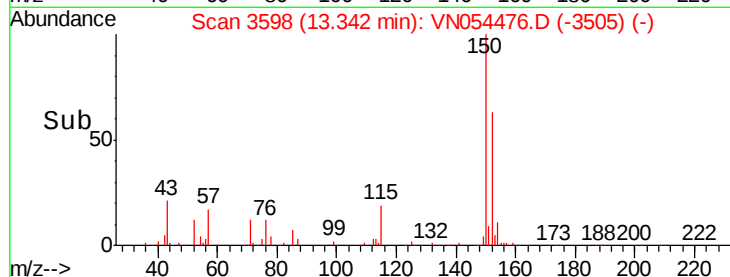
150 154.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 7.322 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054476.D

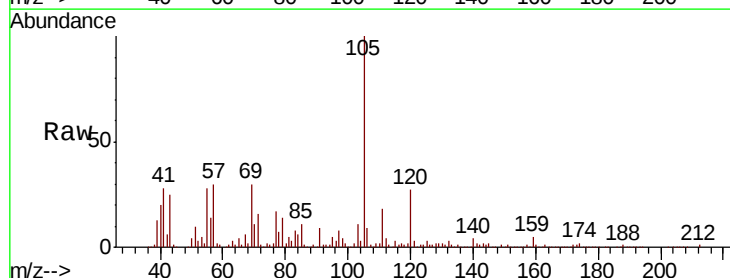
Acq: 20 Mar 2019 21:02

Tgt Ion:105 Resp: 264876

Ion Ratio Lower Upper

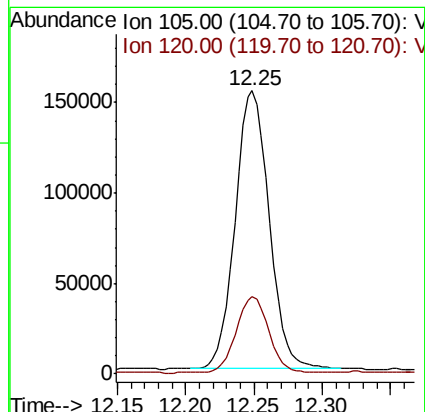
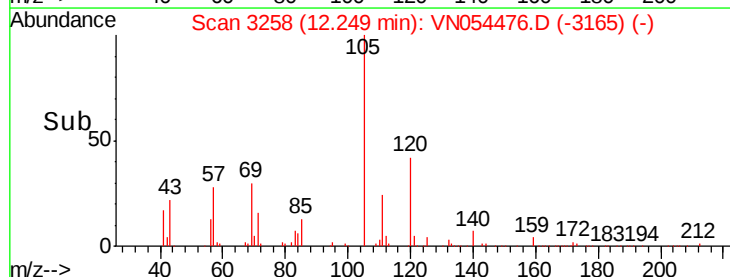
105 100

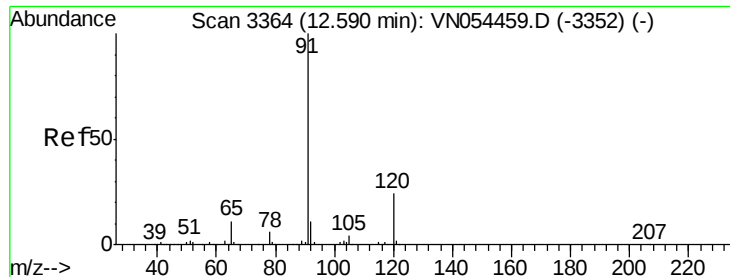
120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 19.077 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054476.D

Acq: 20 Mar 2019 21:02

Instrument :

MSVOA_N

ClientSampleId :

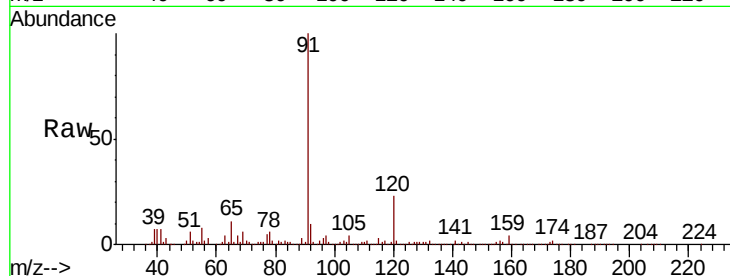
30200-05

Tot Ion: 91 Resp: 748299

Ion Ratio Lower Upper

91 100

120 23.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN054476.D (-3271) (-)

Ion 120.00 (119.70 to 120.70): VN054476.D (-3271) (-)

12.59

400000

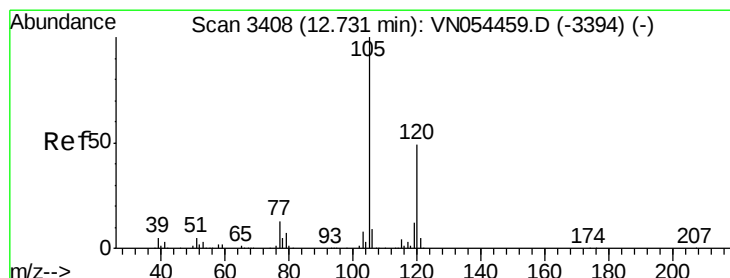
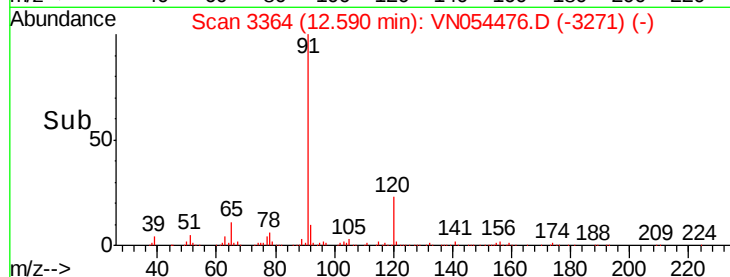
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 27.591 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054476.D

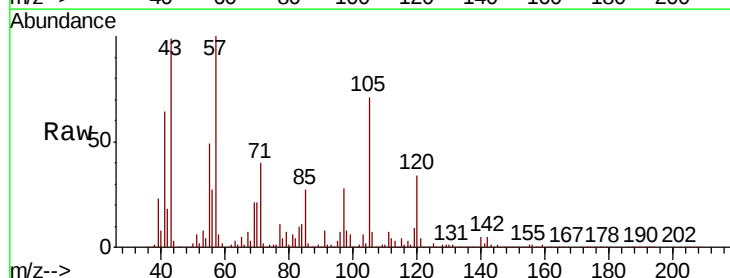
Acq: 20 Mar 2019 21:02

Tgt Ion: 105 Resp: 817979

Ion Ratio Lower Upper

105 100

120 48.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054476.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054476.D (-3315) (-)

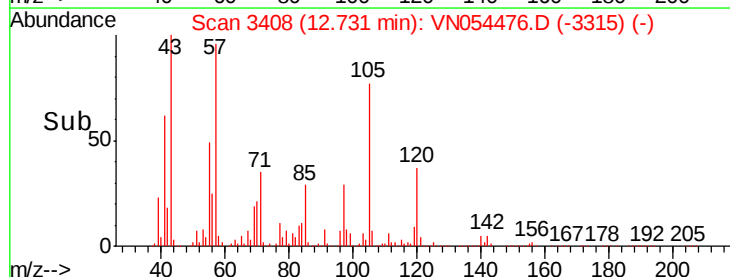
12.73

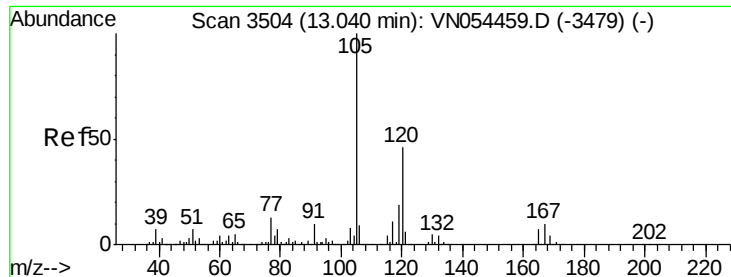
1000000

500000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 106.603 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054476.D

Acq: 20 Mar 2019 21:02

Instrument :

MSVOA_N

ClientSampleId :

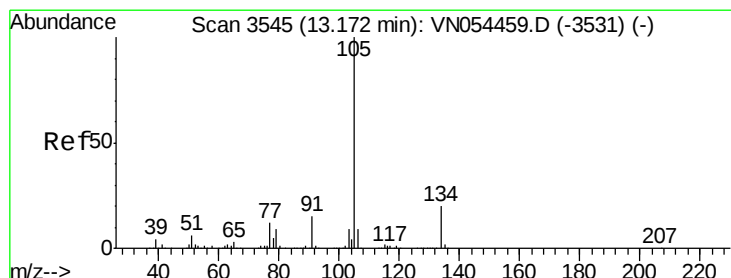
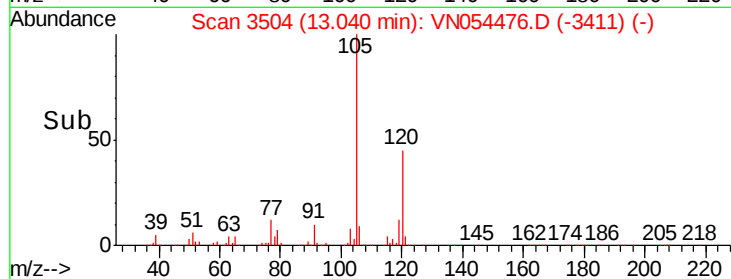
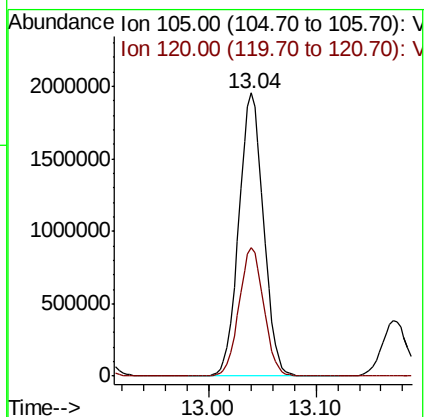
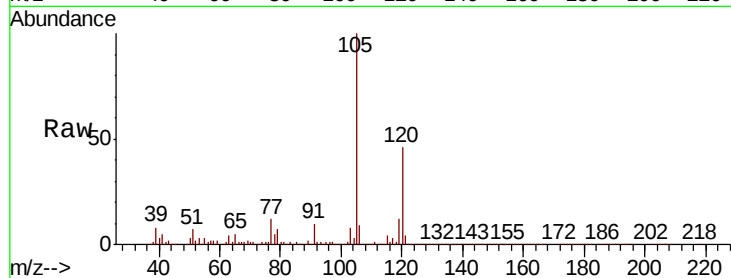
30200-05

Tot Ion:105 Resp: 3101090

Ion Ratio Lower Upper

105 100

120 45.7 23.4 70.3



#85

sec-Butylbenzene

Concen: 18.857 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054476.D

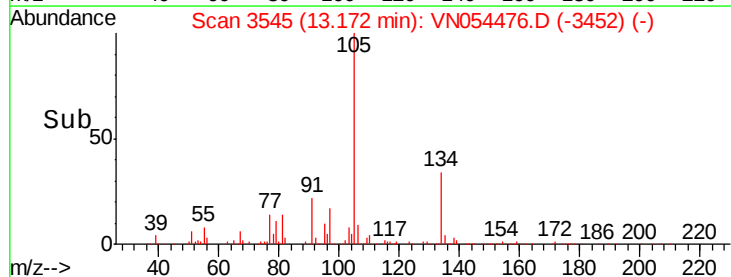
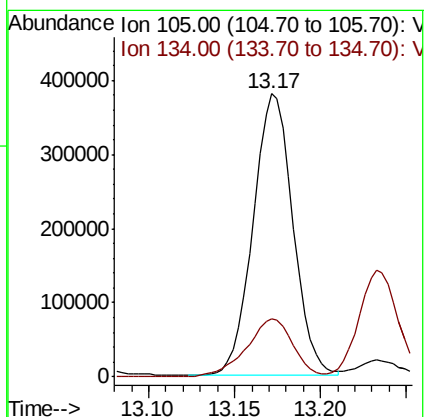
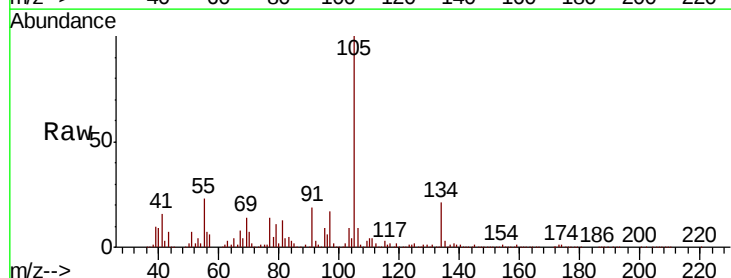
Acq: 20 Mar 2019 21:02

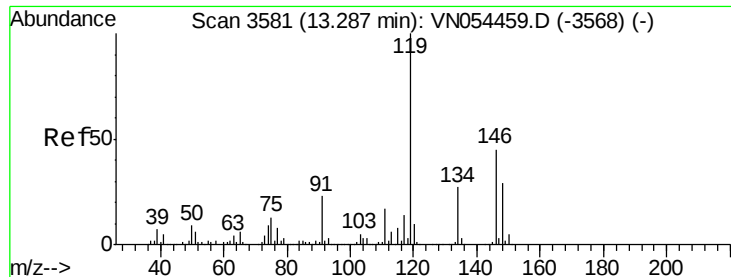
Tgt Ion:105 Resp: 606614

Ion Ratio Lower Upper

105 100

134 24.0 10.7 32.1

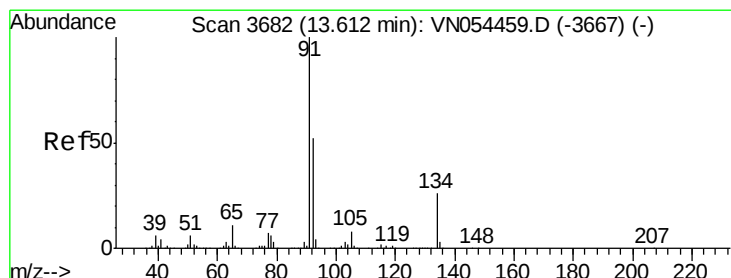
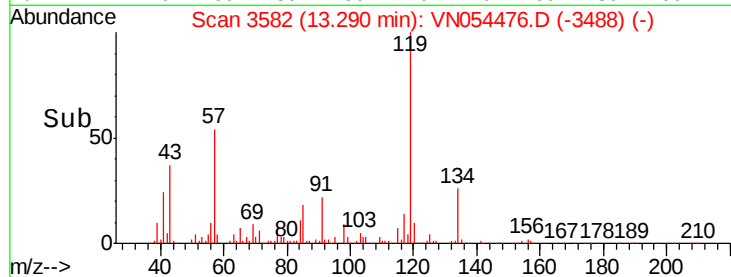
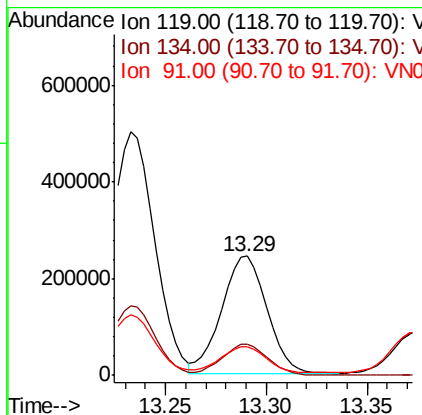
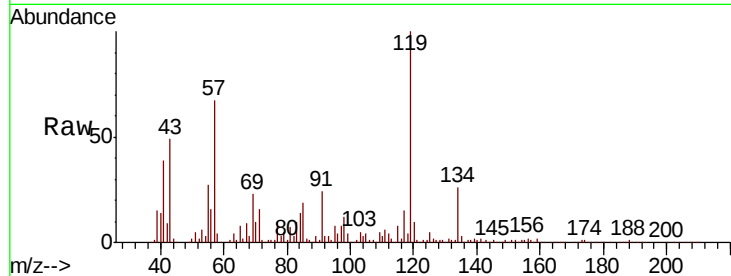




#86
p-Isopropyltoluene
Concen: 13.201 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN054476.D
Acq: 20 Mar 2019 21:02

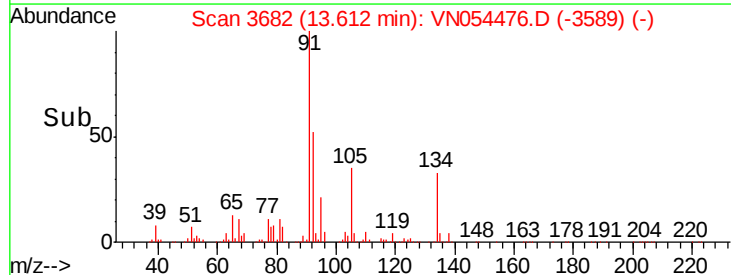
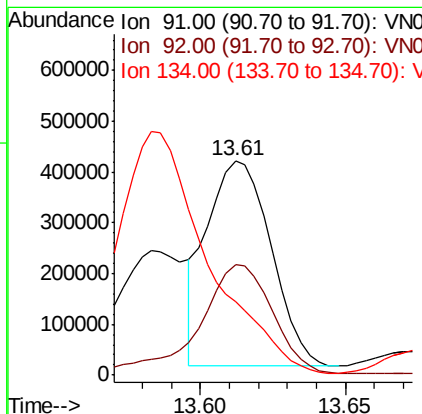
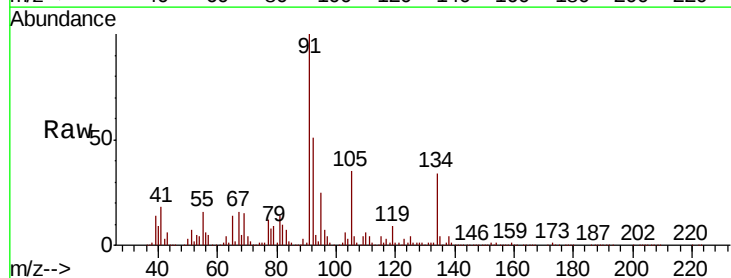
Instrument :
MSVOA_N
ClientSampleId :
30200-05

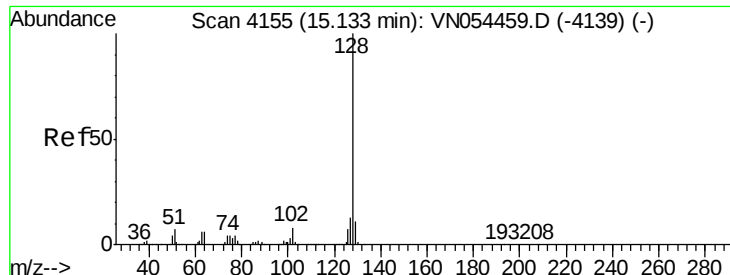
Tot Ion:119 Resp: 379923
Ion Ratio Lower Upper
119 100
134 26.4 13.6 40.8
91 22.3 11.1 33.3



#89
n-Butylbenzene
Concen: 27.576 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054476.D
Acq: 20 Mar 2019 21:02

Tgt Ion: 91 Resp: 620573
Ion Ratio Lower Upper
91 100
92 60.5 26.2 78.6
134 0.0 14.3 42.9#





#95

Naphthalene

Concen: 19.697 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054476.D

Acq: 20 Mar 2019 21:02

Instrument :

MSVOA_N

ClientSampleId :

30200-05

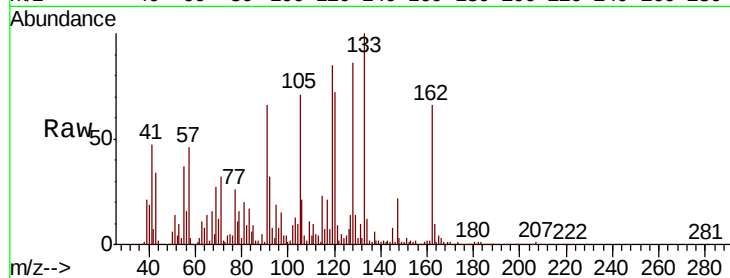
Tot Ion:128 Resp: 315387

Ion Ratio Lower Upper

128 100

127 19.2 10.1 15.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

