

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064446.D
 Acq On : 05 Dec 2019 19:55
 Operator : VA/SY
 Sample : K6177-10
 Misc : 7.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-8

Quant Time: Dec 06 08:47:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	710557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1052658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	947182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	555441	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	292836	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	
35) Dibromofluoromethane	7.92	113	311663	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	10.34	98	1255403	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.64	95	454091	56.56	ug/l	0.00
Spiked Amount			Recovery	=	113.12%	

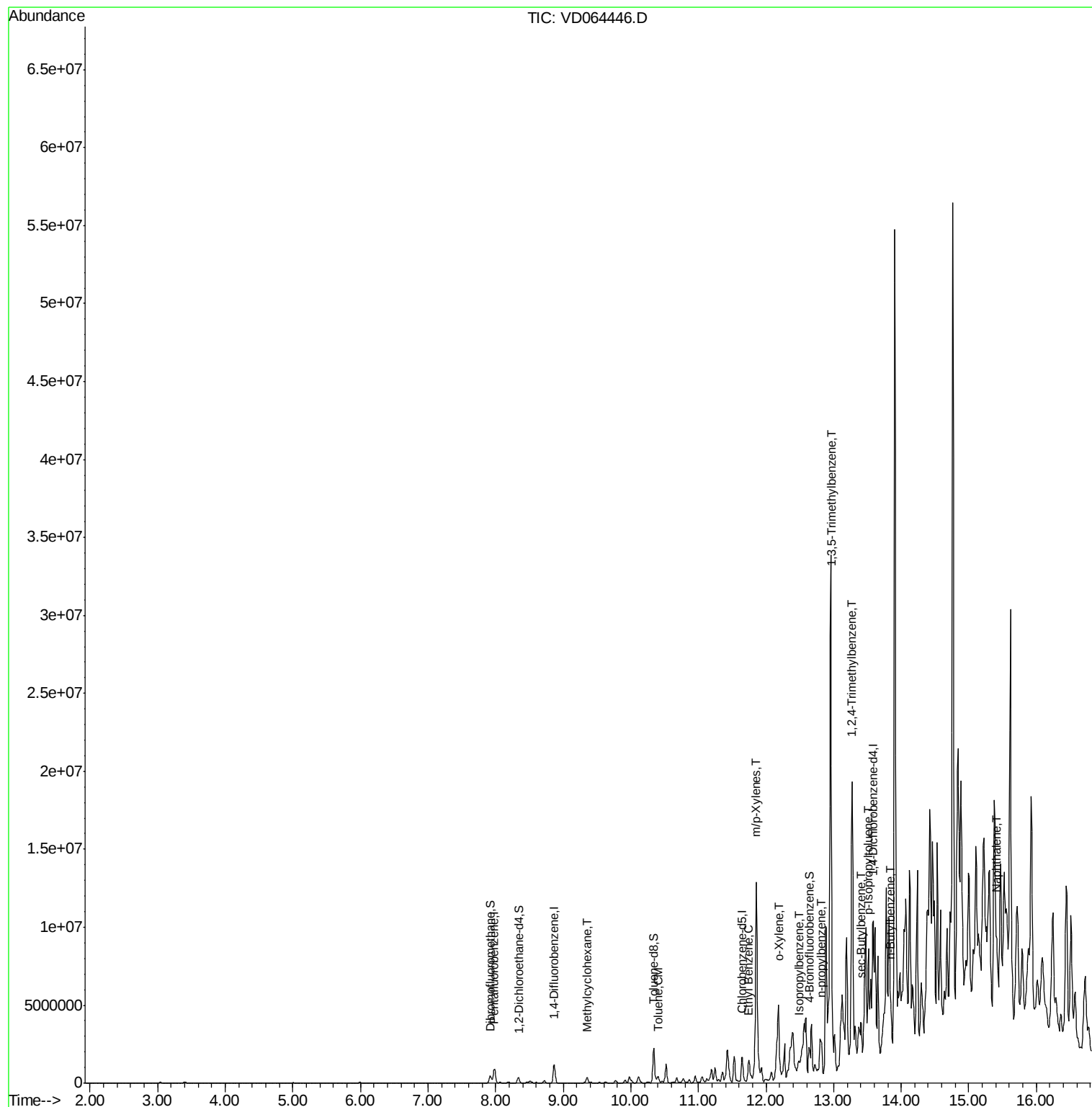
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.36	83	140112	11.344	ug/l	98
52) Toluene	10.40	92	182583	10.131	ug/l	98
67) Ethyl Benzene	11.75	91	875583	24.911	ug/l	100
68) m/p-Xylenes	11.86	106	2023858	151.012	ug/l	98
69) o-Xylene	12.18	106	1184567	95.704	ug/l	98
73) Isopropylbenzene	12.48	105	441216	11.045	ug/l	98
78) n-propylbenzene	12.83	91	1375027	29.832	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	3150657	96.512	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	9474488	288.629	ug/l	97
85) sec-Butylbenzene	13.41	105	1060732	27.232	ug/l	83
86) p-Isopropyltoluene	13.53	119	730820	19.873	ug/l	99
89) n-Butylbenzene	13.85	91	1240627	37.149	ug/l #	74
95) Naphthalene	15.41	128	2308579	112.880	ug/l #	91

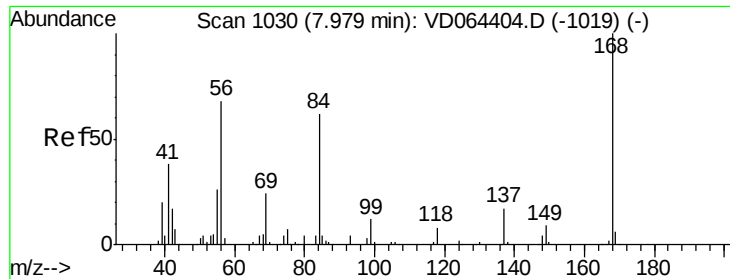
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\
Data File : VD064446.D
Acq On : 05 Dec 2019 19:55
Operator : VA/SY
Sample : K6177-10
Misc : 7.77G/5.00ml/MSVOA D/SOIL
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MSVOA_D
ClientSampleId :
EP-8

Quant Time: Dec 06 08:47:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064446.D

Acq: 05 Dec 2019 19:55

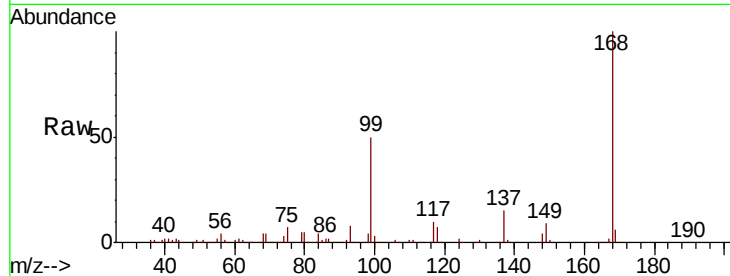
Instrument :
MSVOA_D
ClientSampled :
EP-8

Tot Ion:168 Resp: 710557

Ion Ratio Lower Upper

168 100

99 50.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

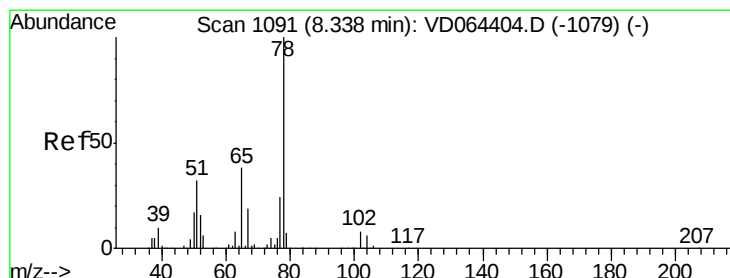
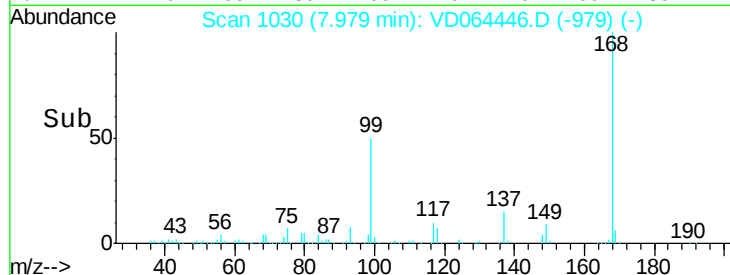
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.531 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064446.D

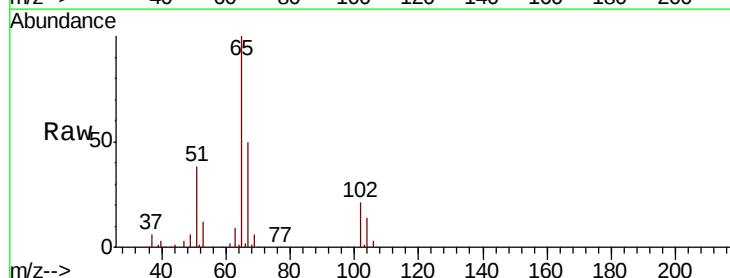
Acq: 05 Dec 2019 19:55

Tgt Ion: 65 Resp: 292836

Ion Ratio Lower Upper

65 100

67 50.5 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

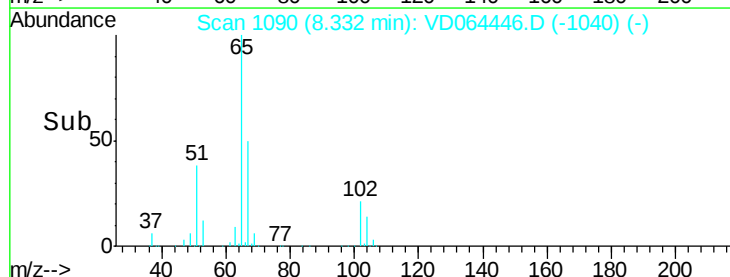
150000

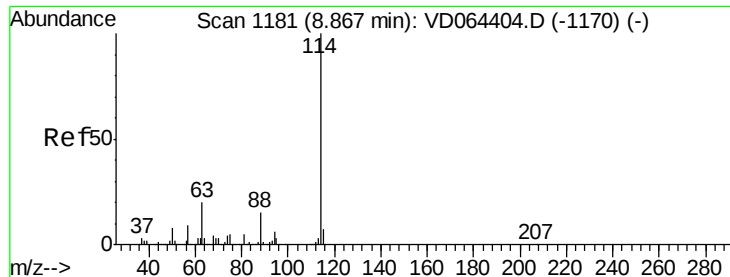
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064446.D

Acq: 05 Dec 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

EP-8

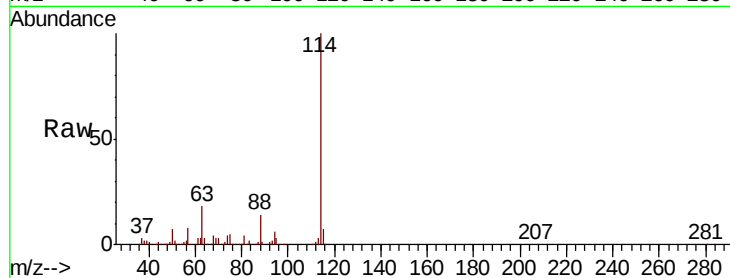
Tot Ion:114 Resp: 1052658

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

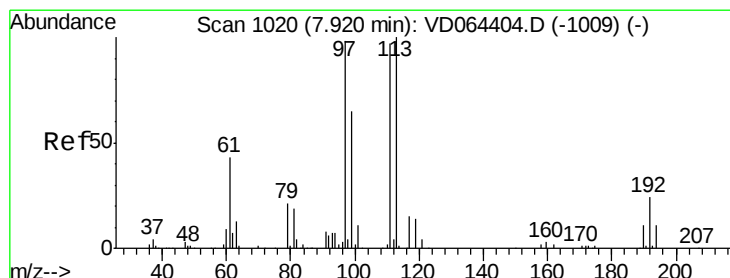
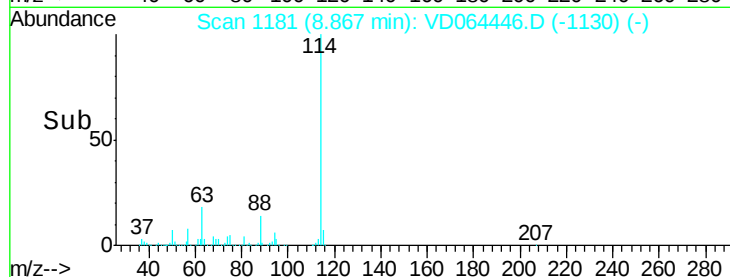
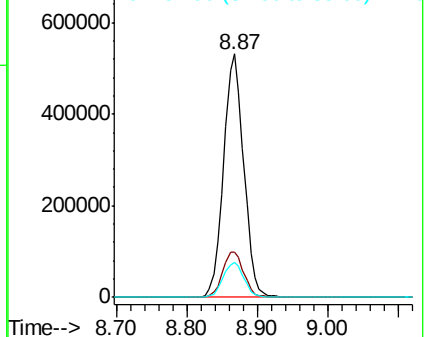
88 14.4 0.0 29.2



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: 46.992 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064446.D

Acq: 05 Dec 2019 19:55

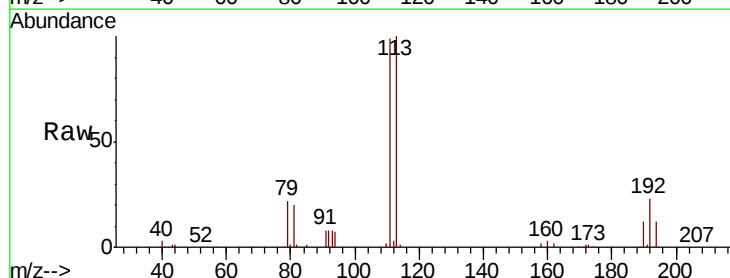
Tgt Ion:113 Resp: 311663

Ion Ratio Lower Upper

113 100

111 101.4 79.4 119.2

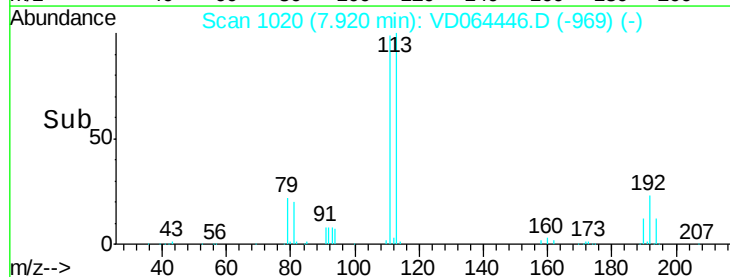
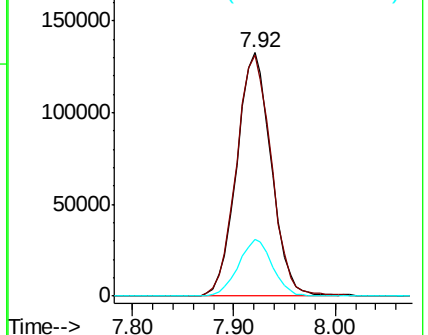
192 23.1 18.6 28.0

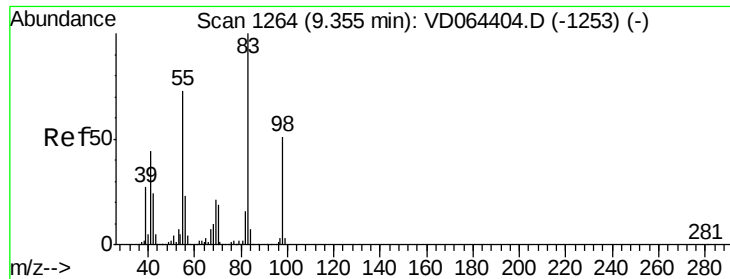


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

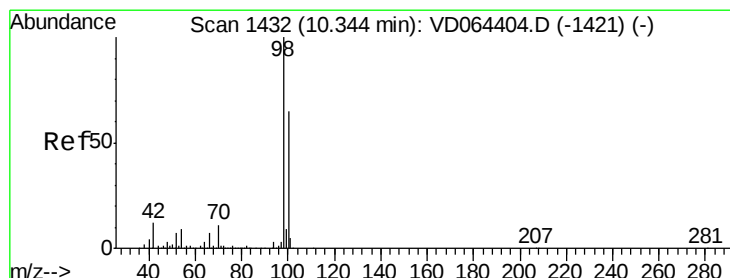
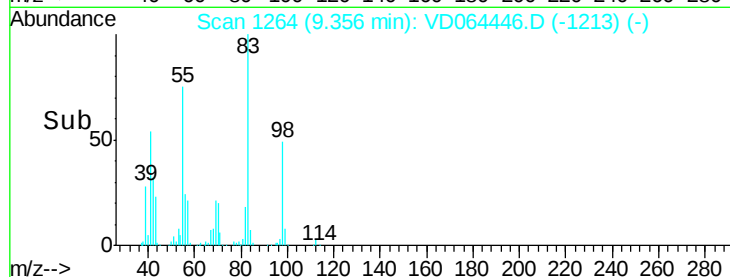
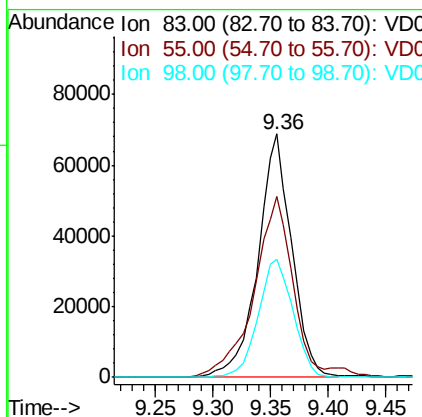
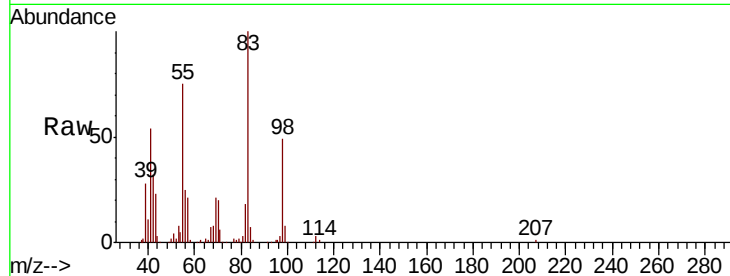




#39
Methvlcvclohexane
Concen: 11.344 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064446.D
Acq: 05 Dec 2019 19:55

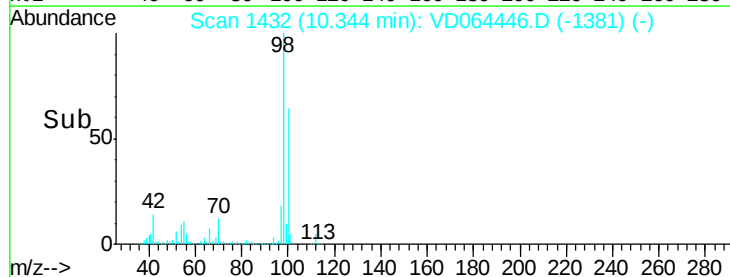
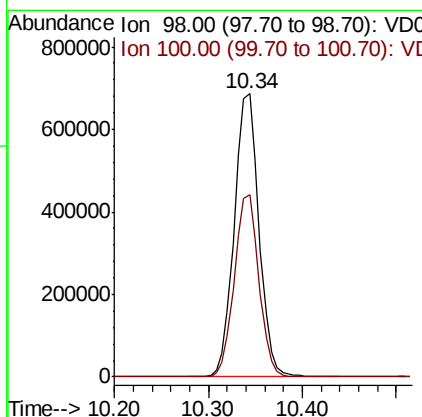
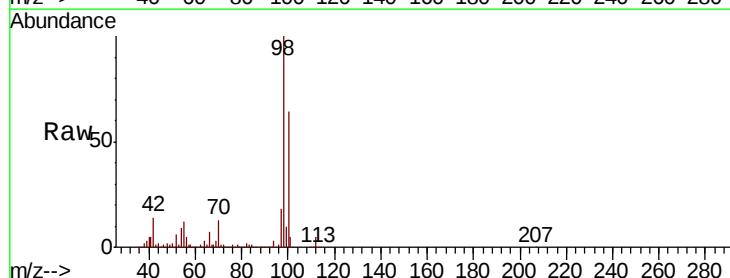
Instrument :
MSVOA_D
ClientSampleId :
EP-8

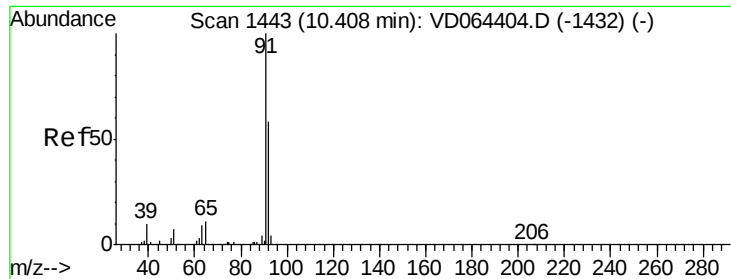
Tot Ion: 83 Resp: 140112
Ion Ratio Lower Upper
83 100
55 74.3 58.6 87.8
98 48.8 40.9 61.3



#50
Toluene-d8
Concen: 50.250 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064446.D
Acq: 05 Dec 2019 19:55

Tgt Ion: 98 Resp: 1255403
Ion Ratio Lower Upper
98 100
100 64.0 52.6 79.0





#52

Toluene

Concen: 10.131 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064446.D

Acq: 05 Dec 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

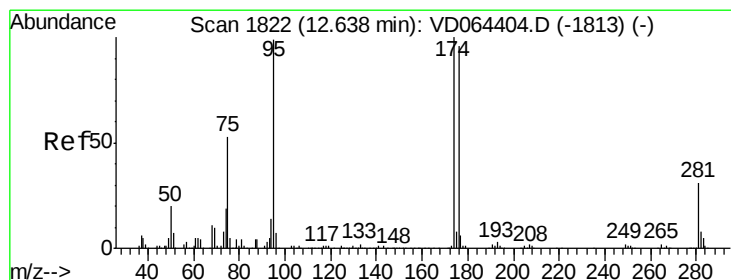
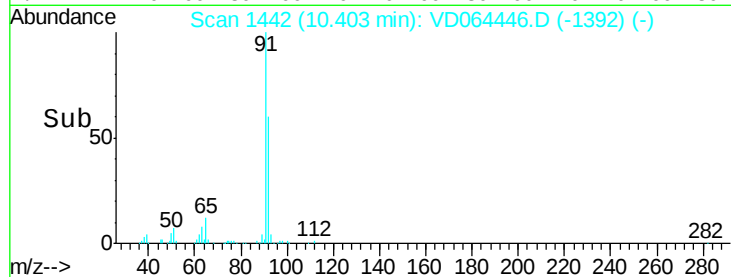
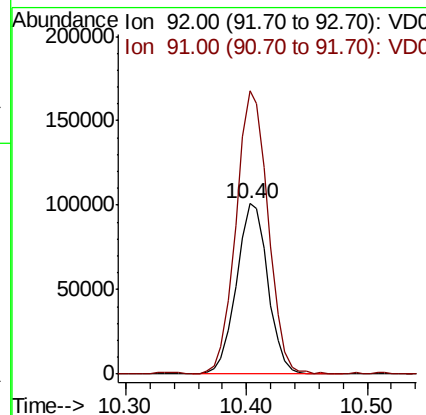
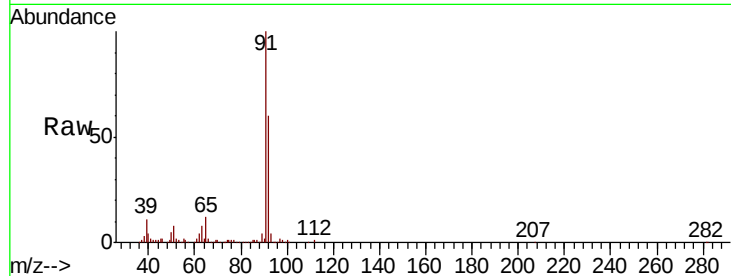
EP-8

Tot Ion: 92 Resp: 182583

Ion Ratio Lower Upper

92 100

91 169.5 137.8 206.6



#62

4-Bromofluorobenzene

Concen: 56.557 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064446.D

Acq: 05 Dec 2019 19:55

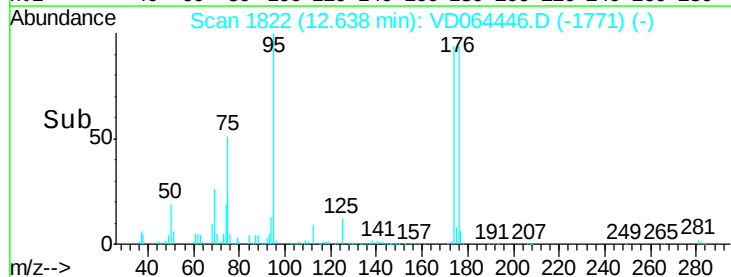
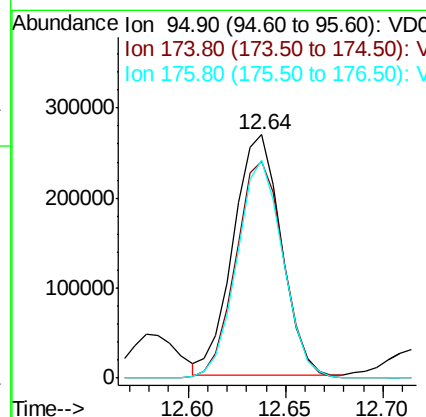
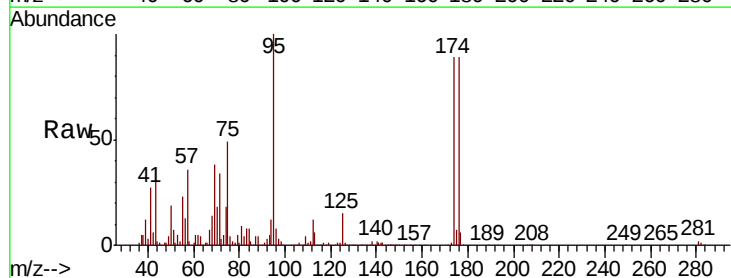
Tgt Ion: 95 Resp: 454091

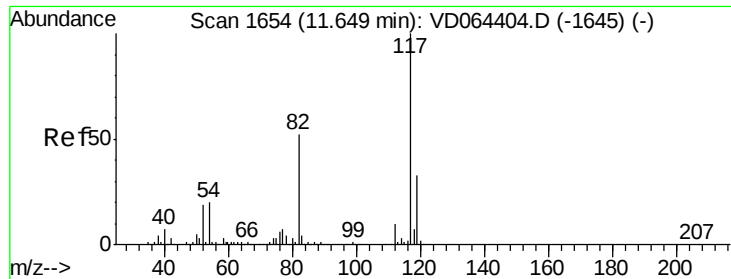
Ion Ratio Lower Upper

95 100

174 89.9 0.0 197.2

176 86.7 0.0 189.6

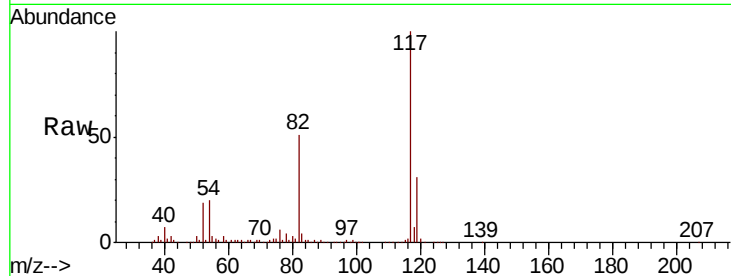




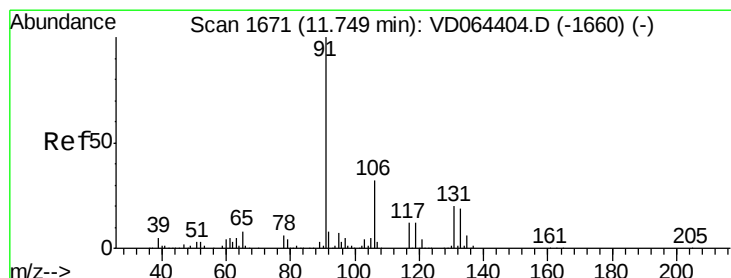
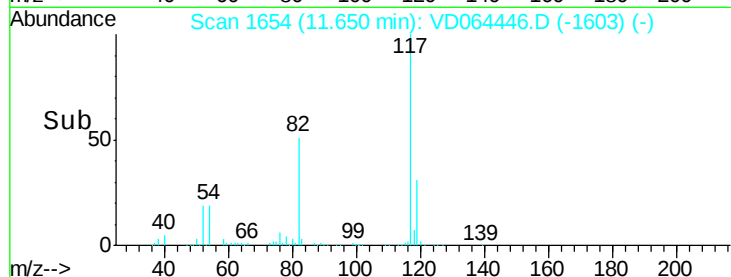
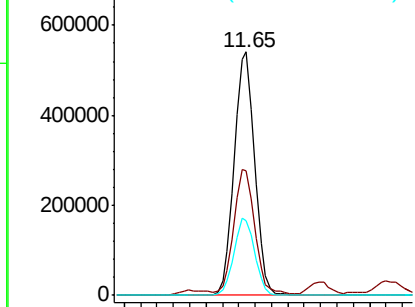
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064446.D
Acq: 05 Dec 2019 19:55

Instrument :
MSVOA_D
ClientSampled :
EP-8

Tot Ion:117 Resp: 947182
Ion Ratio Lower Upper
117 100
82 50.1 41.4 62.2
119 30.6 26.2 39.2

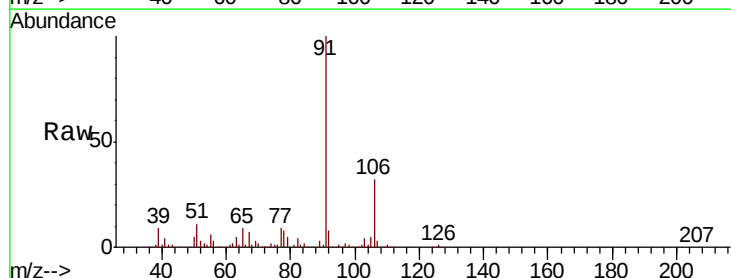


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

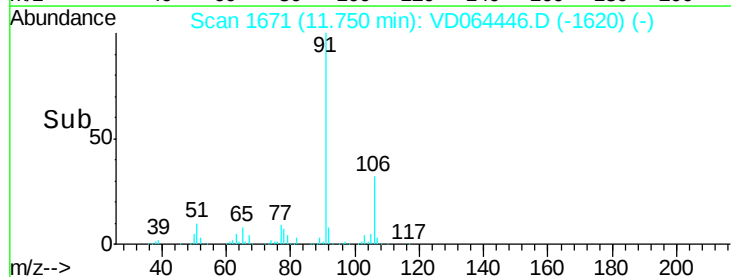
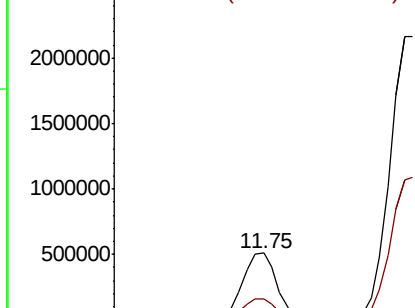


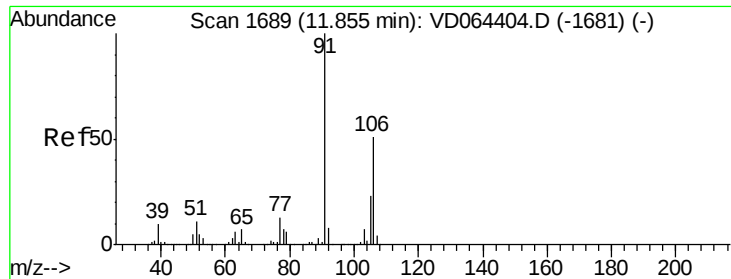
#67
Ethyl Benzene
Concen: 24.911 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064446.D
Acq: 05 Dec 2019 19:55

Tgt Ion: 91 Resp: 875583
Ion Ratio Lower Upper
91 100
106 32.3 25.8 38.8



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

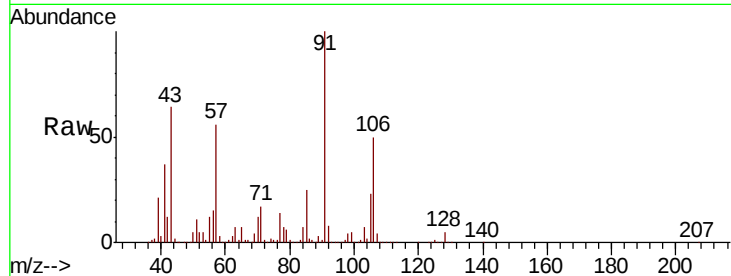




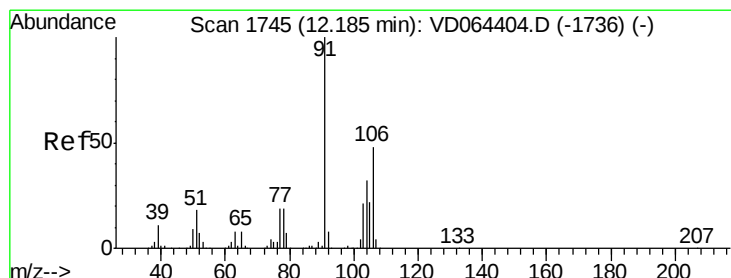
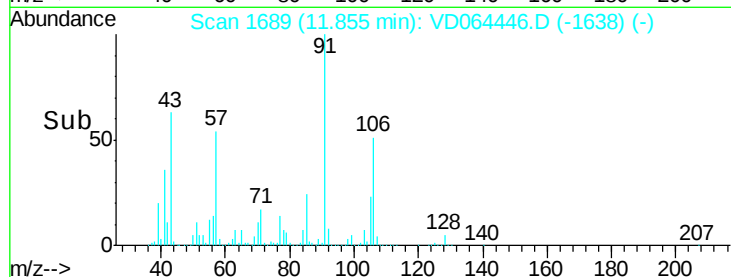
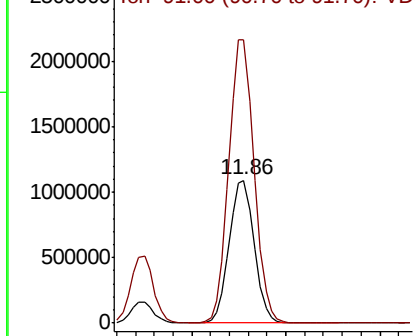
#68
m/p-Xylenes
Concen: 151.012 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064446.D
Acq: 05 Dec 2019 19:55

Instrument :
MSVOA_D
ClientSampled :
EP-8

Tot Ion:106 Resp: 2023858
Ion Ratio Lower Upper
106 100
91 200.2 157.4 236.2

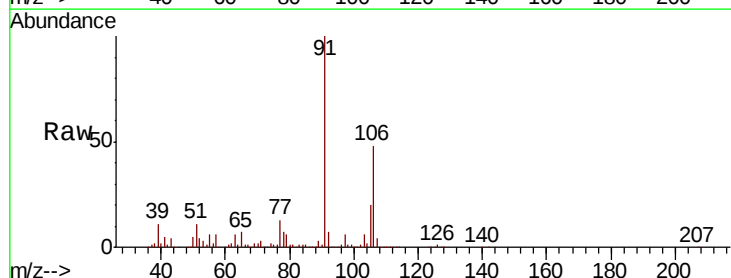


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

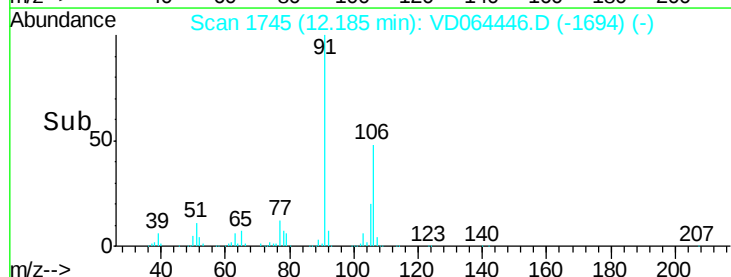
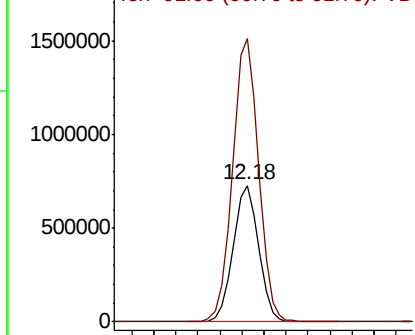


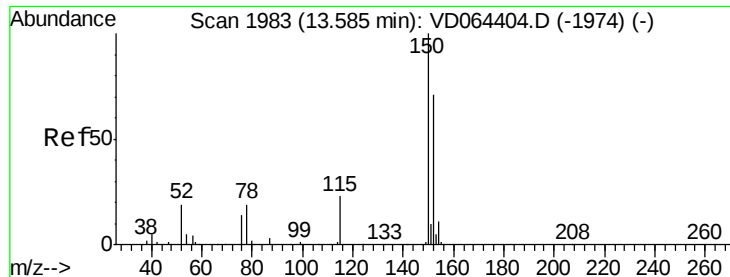
#69
o-Xylene
Concen: 95.704 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064446.D
Acq: 05 Dec 2019 19:55

Tgt Ion:106 Resp: 1184567
Ion Ratio Lower Upper
106 100
91 210.8 103.8 311.4



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064446.D

Acq: 05 Dec 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

EP-8

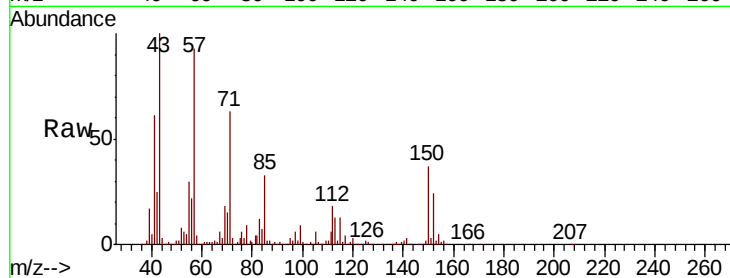
Tot Ion:152 Resp: 555441

Ion Ratio Lower Upper

152 100

115 55.7 26.7 80.1

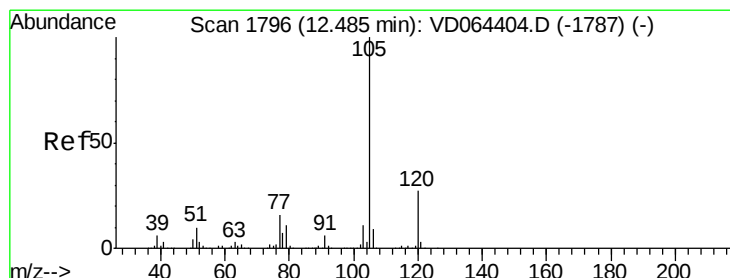
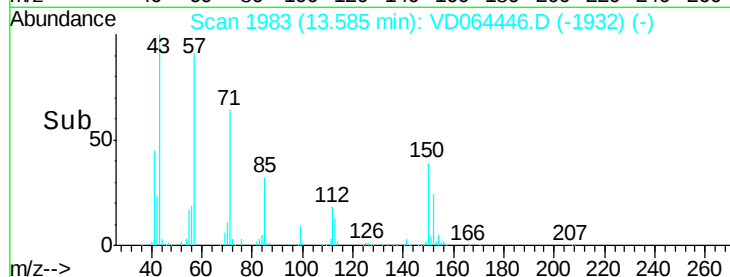
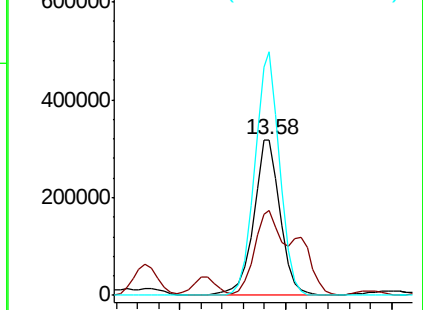
150 146.5 0.0 347.2



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: 11.045 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064446.D

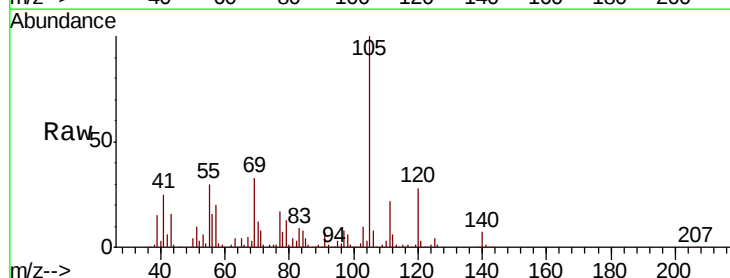
Acq: 05 Dec 2019 19:55

Tgt Ion:105 Resp: 441216

Ion Ratio Lower Upper

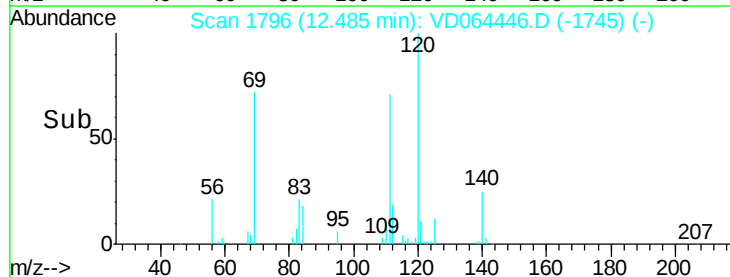
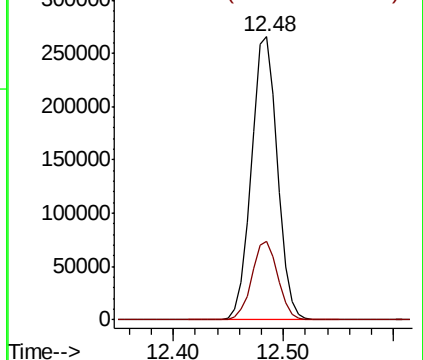
105 100

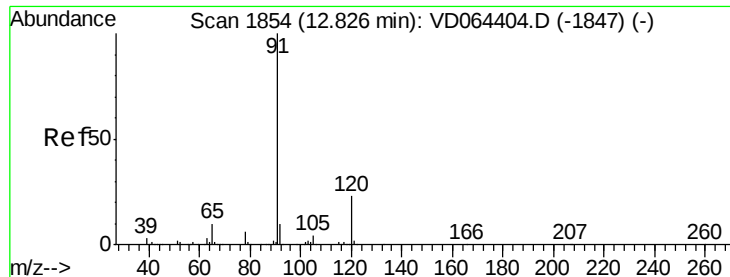
120 27.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 29.832 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064446.D

Acq: 05 Dec 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

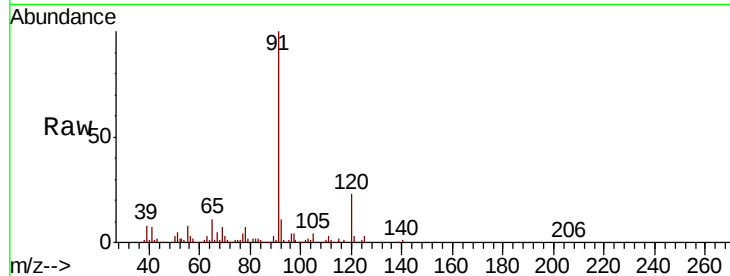
EP-8

Tot Ion: 91 Resp: 1375027

Ion Ratio Lower Upper

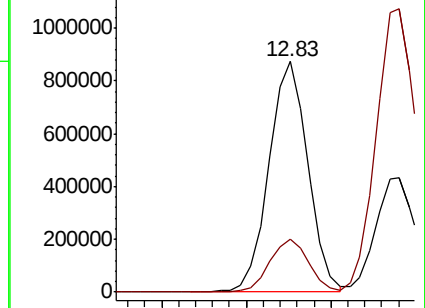
91 100

120 23.4 11.9 35.9

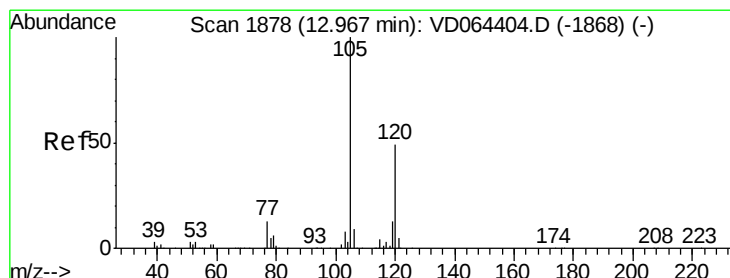
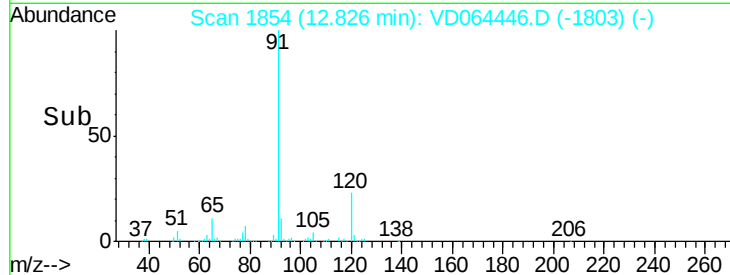


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 96.512 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064446.D

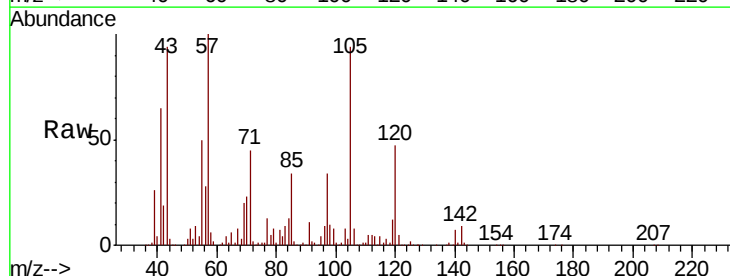
Acq: 05 Dec 2019 19:55

Tgt Ion:105 Resp: 3150657

Ion Ratio Lower Upper

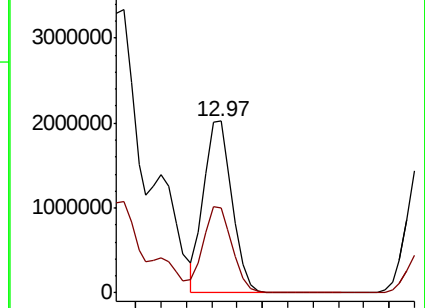
105 100

120 52.3 25.1 75.3

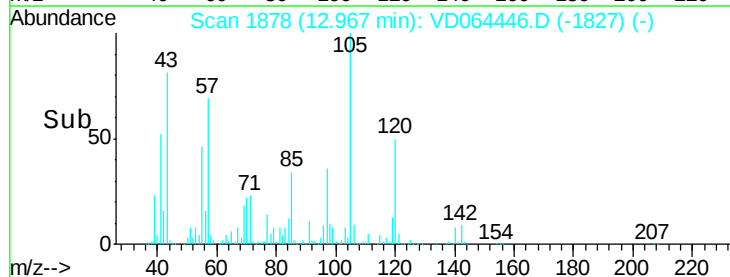


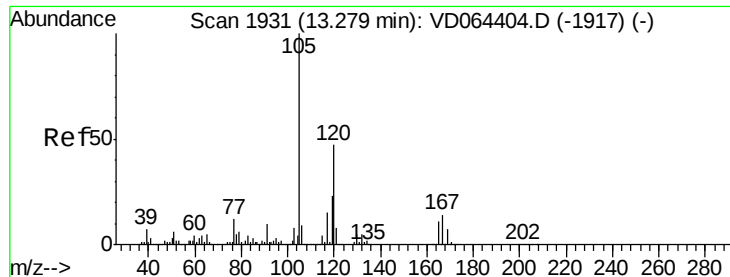
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->

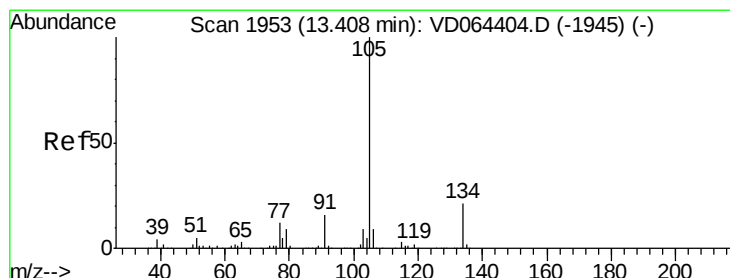
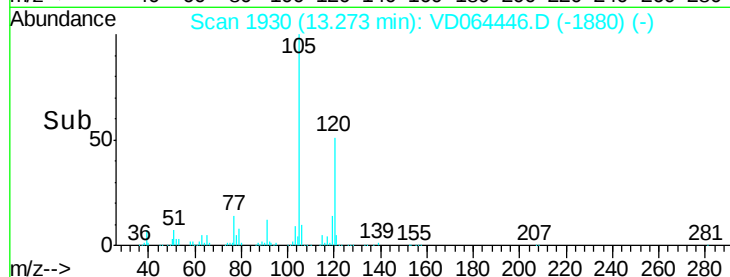
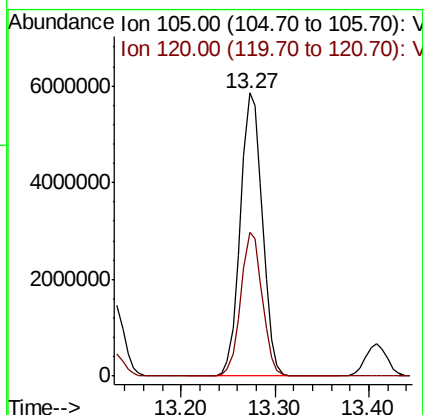
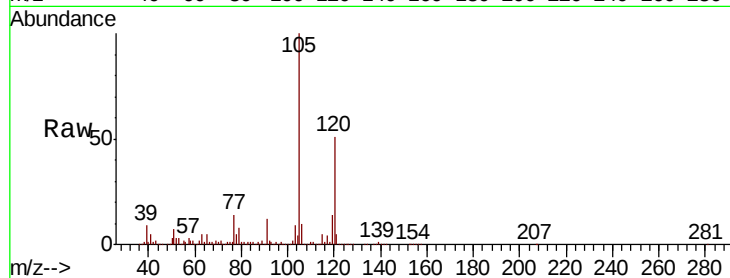




#84
 1,2,4-Trimethylbenzene
 Concen: 288.629 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064446.D
 Acq: 05 Dec 2019 19:55

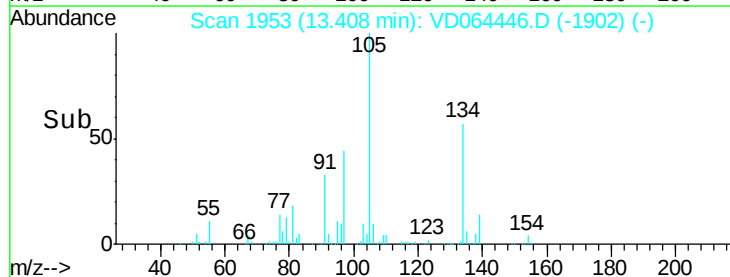
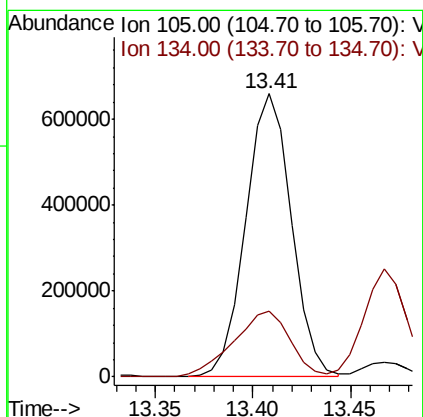
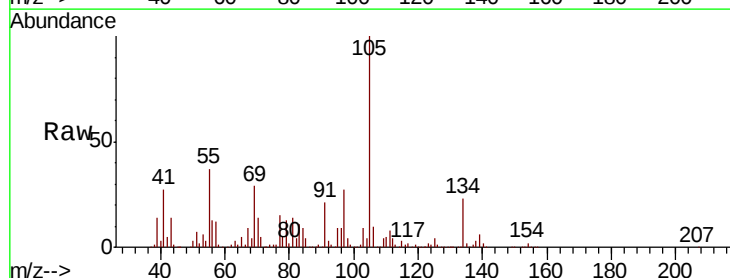
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-8

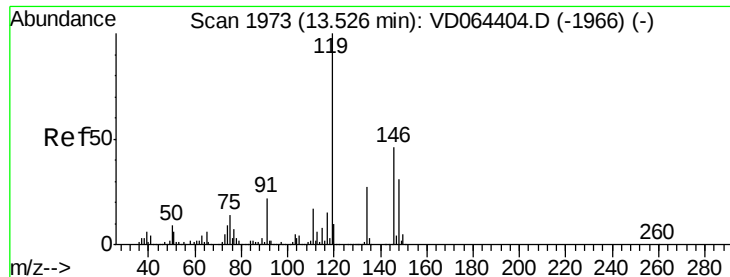
Tot Ion:105 Resp: 9474488
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.6 70.8



#85
 sec-Butylbenzene
 Concen: 27.232 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064446.D
 Acq: 05 Dec 2019 19:55

Tgt Ion:105 Resp: 1060732
 Ion Ratio Lower Upper
 105 100
 134 29.1 10.5 31.5

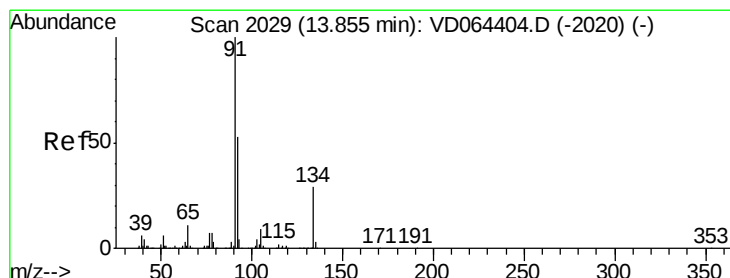
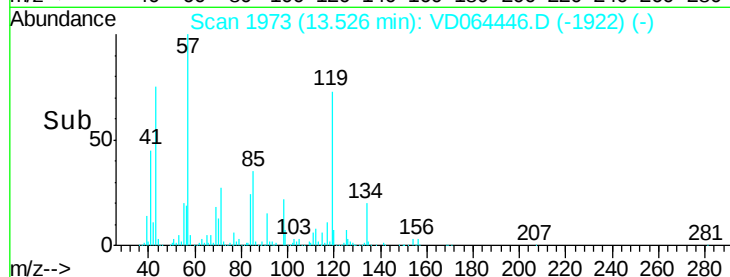
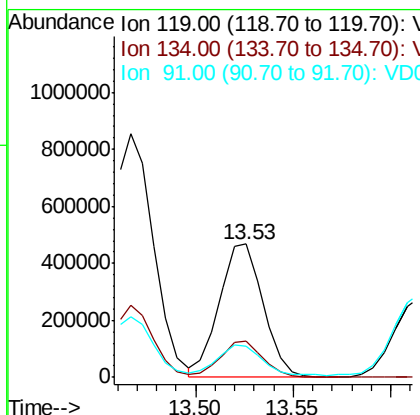
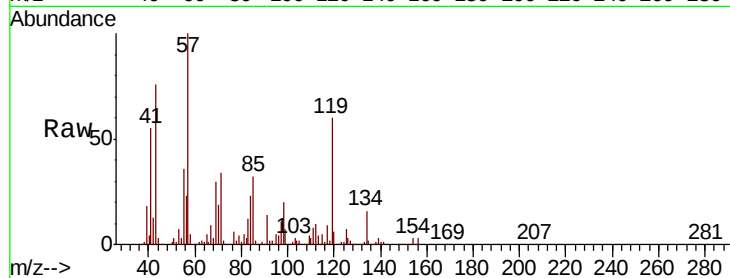




#86
p-Isopropyltoluene
Concen: 19.873 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064446.D
Acq: 05 Dec 2019 19:55

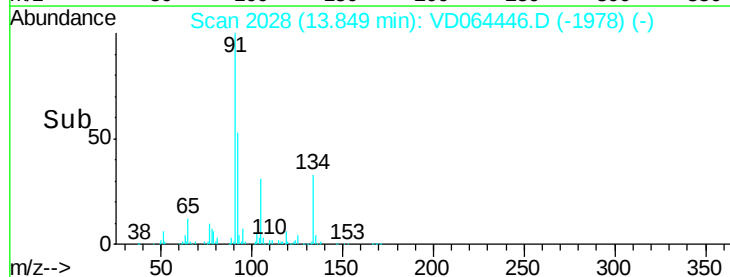
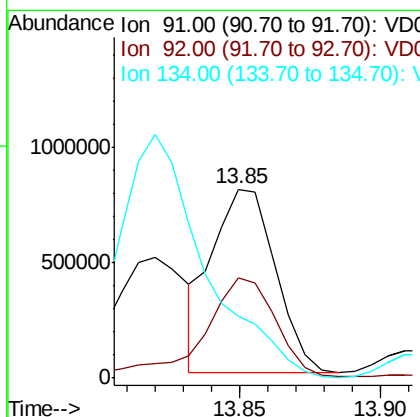
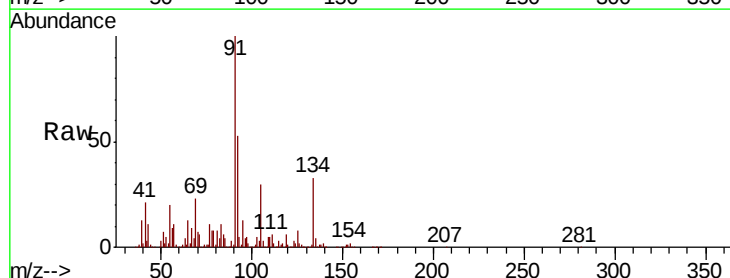
Instrument :
MSVOA_D
ClientSampled :
EP-8

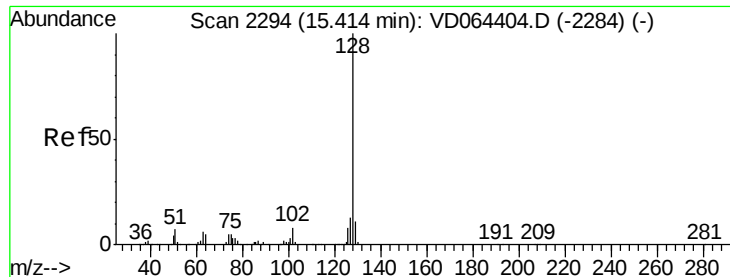
Tot Ion:119 Resp: 730820
Ion Ratio Lower Upper
119 100
134 26.2 13.5 40.4
91 22.1 11.2 33.5



#89
n-Butylbenzene
Concen: 37.149 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064446.D
Acq: 05 Dec 2019 19:55

Tgt Ion: 91 Resp: 1240627
Ion Ratio Lower Upper
91 100
92 60.9 26.5 79.4
134 0.0 13.9 41.7#

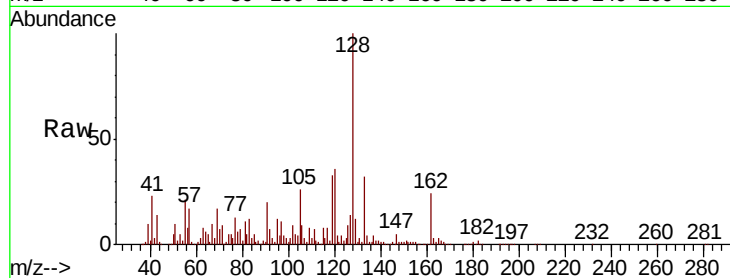




#95
Naphthalene
Concen: 112.880 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064446.D
Acq: 05 Dec 2019 19:55

Instrument :
MSVOA_D
ClientSampleId :
EP-8

Tot Ion:128 Resp: 2308579
Ion Ratio Lower Upper
128 100
127 17.7 10.5 15.7#
129 13.7 8.8 13.2#



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

