

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
 Data File : VD064500.D
 Acq On : 11 Dec 2019 14:48
 Operator : VA/SY
 Sample : K6247-01
 Misc : 7.64G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200059

Quant Time: Dec 12 04:41:31 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	7.99	168	361930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	566546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	525417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223754	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	171047	52.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.42%	
35) Dibromofluoromethane	7.92	113	176895	49.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.12%	
50) Toluene-d8	10.34	98	671086	49.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.64	95	218933	50.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.34%	

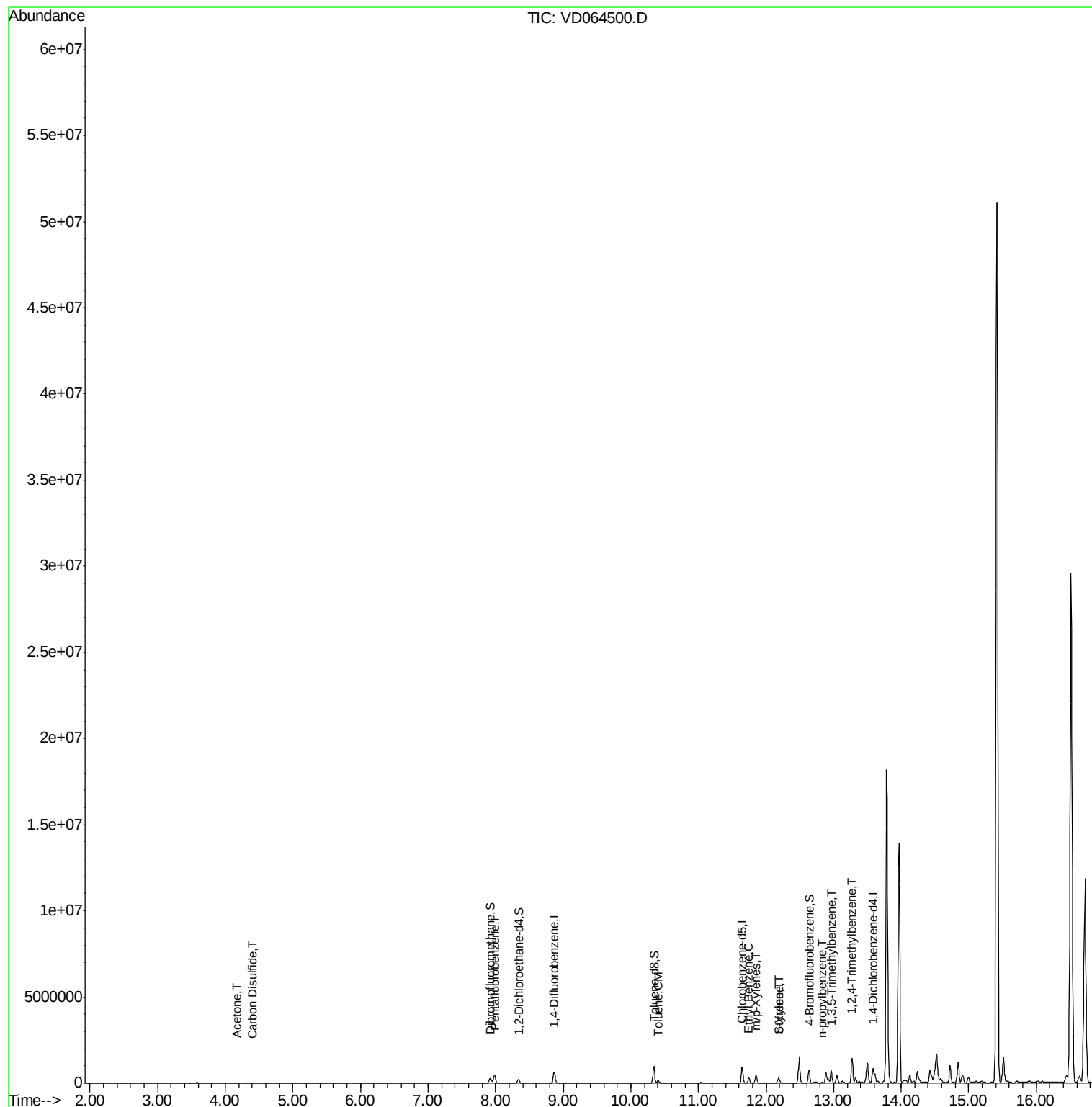
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	19429	29.348	ug/l	96
17) Carbon Disulfide	4.40	76	11159	1.080	ug/l	97
52) Toluene	10.40	92	59817	6.167	ug/l	99
67) Ethyl Benzene	11.74	91	210935	10.818	ug/l	97
68) m/p-Xylenes	11.85	106	152033	20.450	ug/l	98
69) o-Xylene	12.18	106	70845	10.318	ug/l	97
70) Styrene	12.20	104	54000	4.526	ug/l	90
78) n-propylbenzene	12.83	91	21079	1.135	ug/l #	51
80) 1,3,5-Trimethylbenzene	12.97	105	393401	29.915	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	809925	61.249	ug/l	100

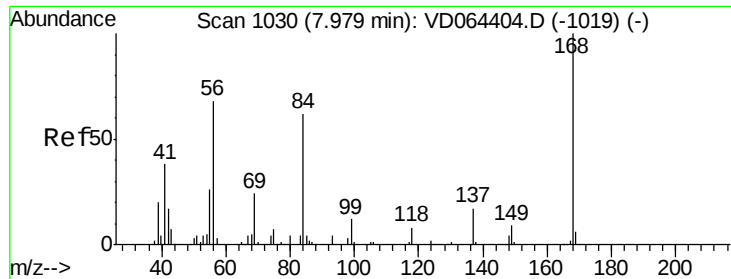
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064500.D

Acq: 11 Dec 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

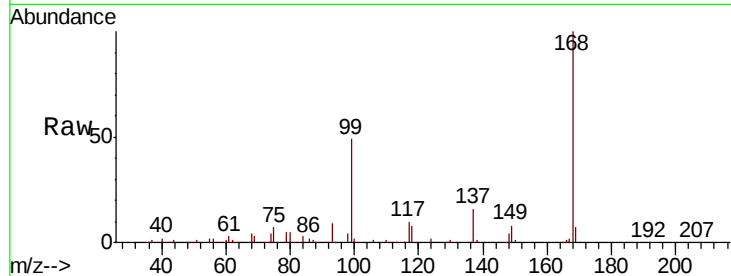
RBR200059

Tot Ion:168 Resp: 361930

Ion Ratio Lower Upper

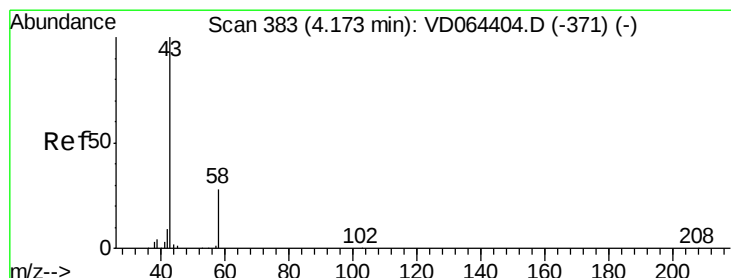
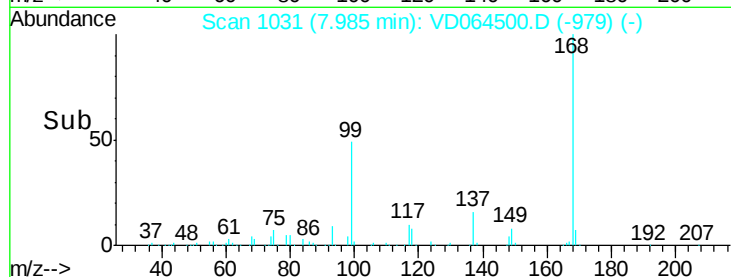
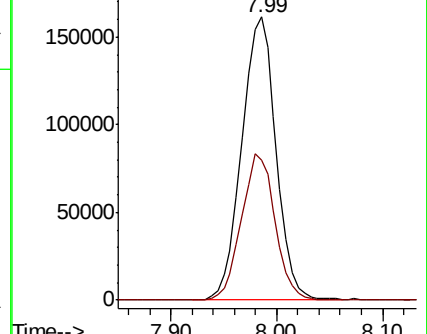
168 100

99 49.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 29.348 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064500.D

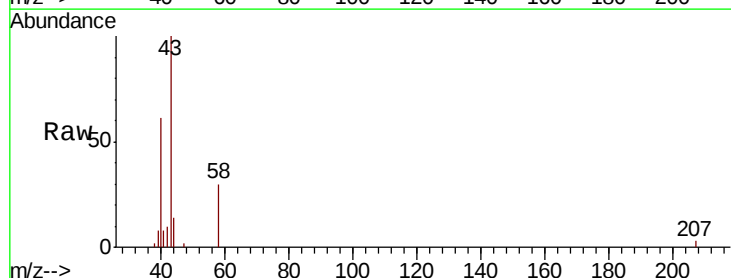
Acq: 11 Dec 2019 14:48

Tgt Ion: 43 Resp: 19429

Ion Ratio Lower Upper

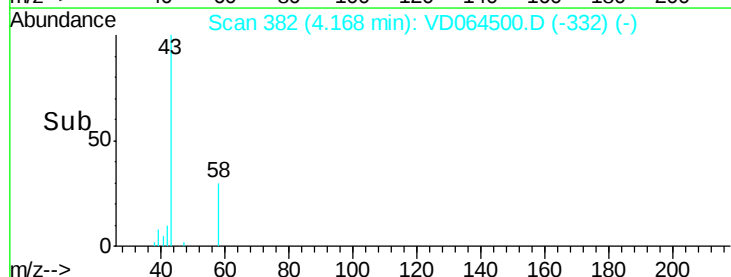
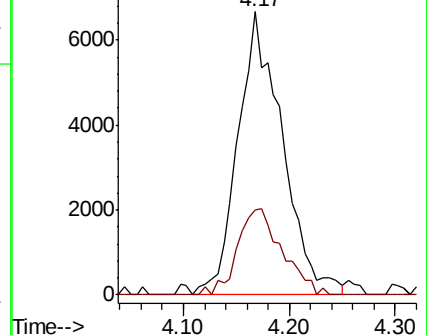
43 100

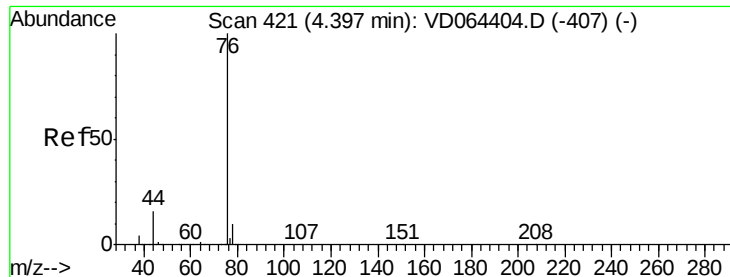
58 30.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

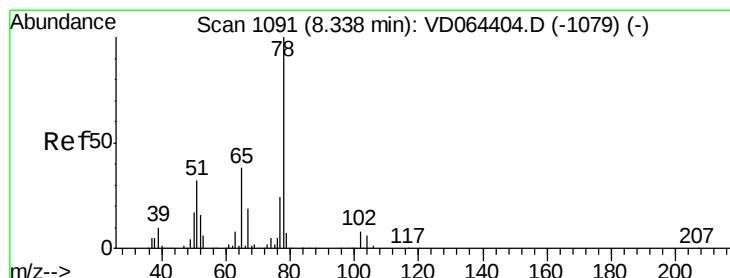
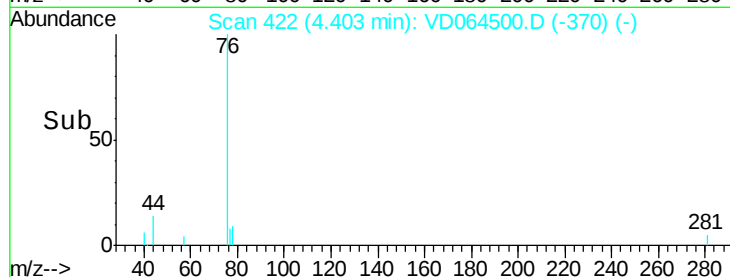
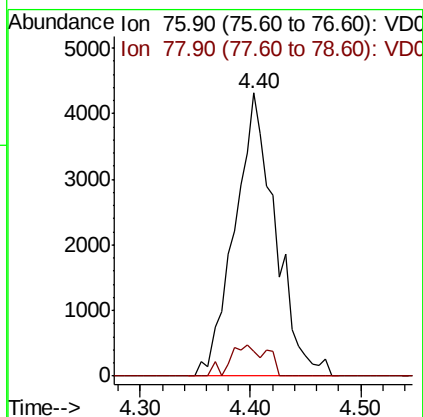
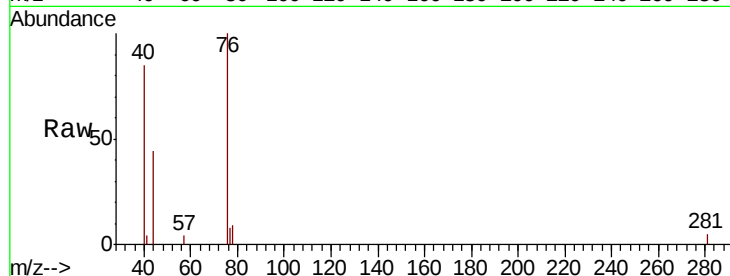




#17
Carbon Disulfide
Concen: 1.080 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064500.D
Acq: 11 Dec 2019 14:48

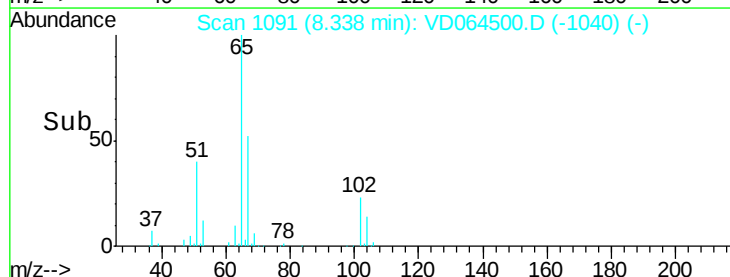
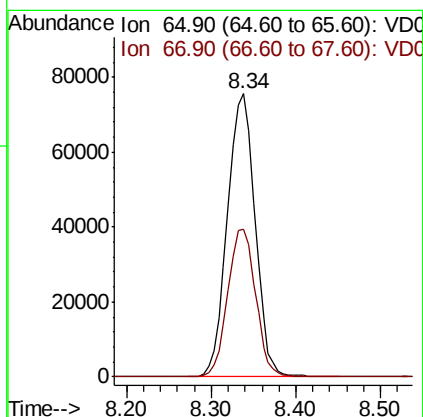
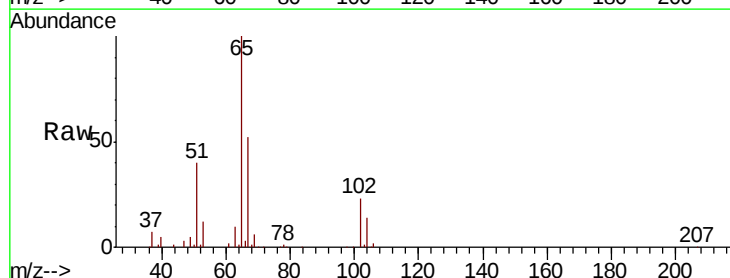
Instrument :
MSVOA_D
ClientSampleId :
RBR200059

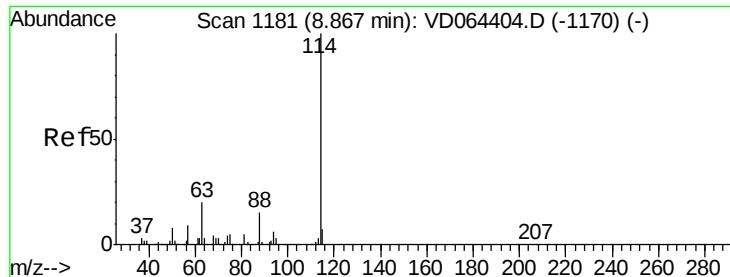
Tot Ion: 76 Resp: 11159
Ion Ratio Lower Upper
76 100
78 8.6 7.8 11.8



#33
1,2-Dichloroethane-d4
Concen: 52.212 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064500.D
Acq: 11 Dec 2019 14:48

Tgt Ion: 65 Resp: 171047
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.0

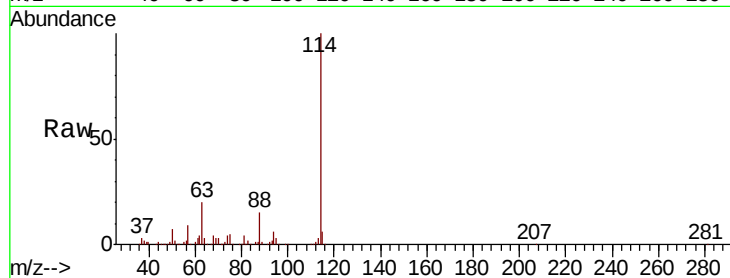




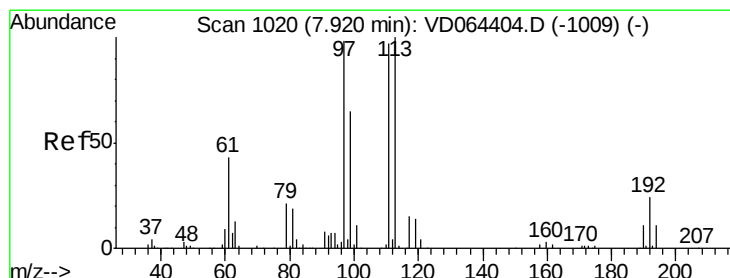
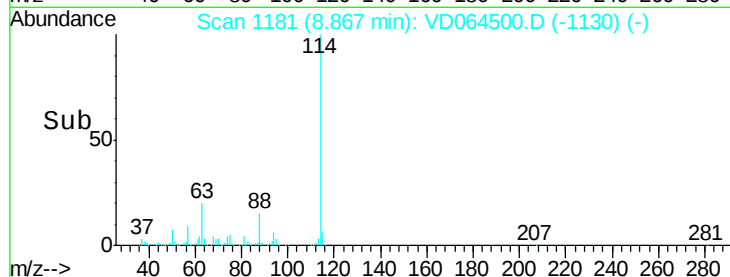
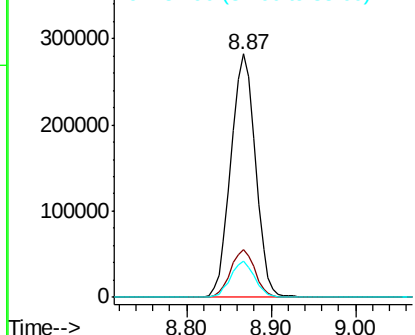
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064500.D
 Acq: 11 Dec 2019 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200059

Tot Ion:114 Resp: 566546
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 14.8 0.0 29.2

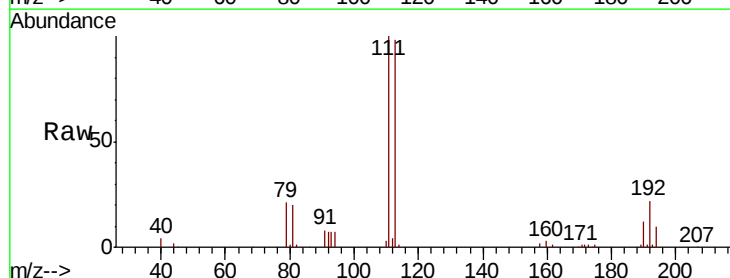


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

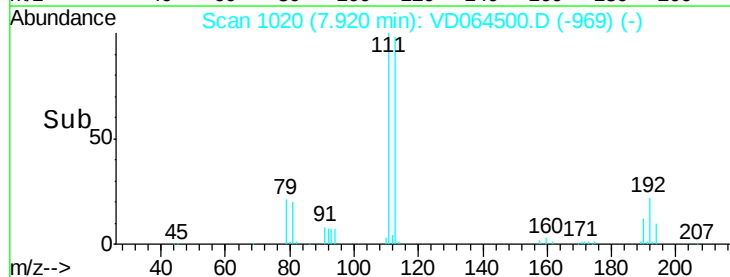
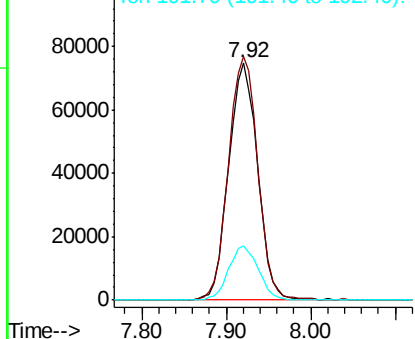


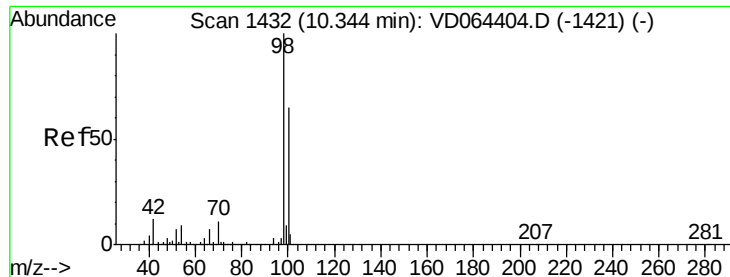
#35
 Dibromofluoromethane
 Concen: 49.557 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064500.D
 Acq: 11 Dec 2019 14:48

Tgt Ion:113 Resp: 176895
 Ion Ratio Lower Upper
 113 100
 111 103.3 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





#50

Toluene-d8

Concen: 49.910 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064500.D

Acq: 11 Dec 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

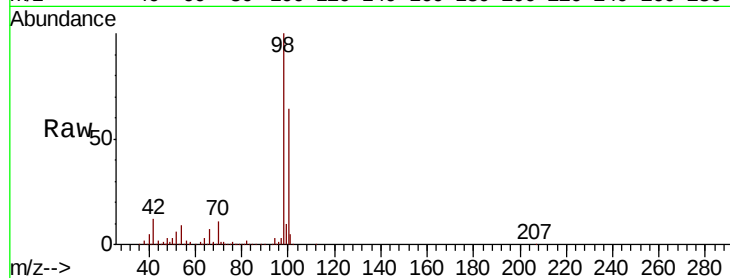
RBR200059

Tot Ion: 98 Resp: 671086

Ion Ratio Lower Upper

98 100

100 65.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

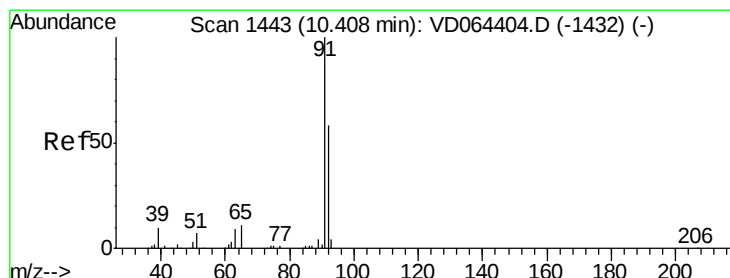
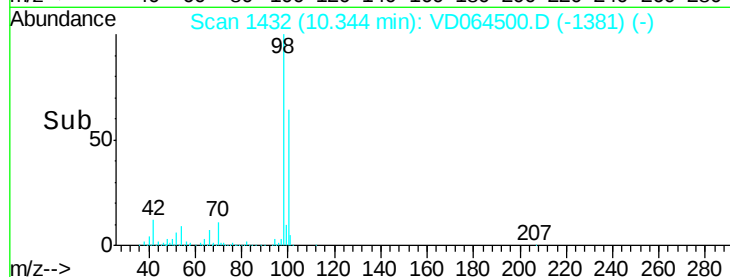
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#52

Toluene

Concen: 6.167 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064500.D

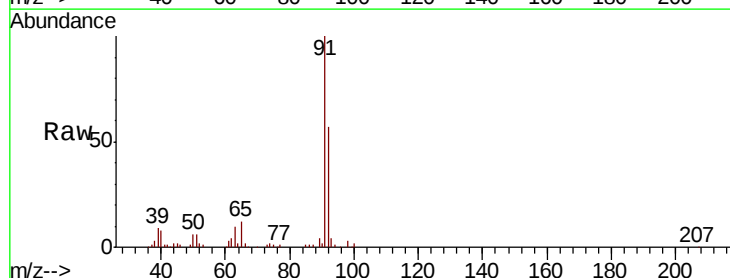
Acq: 11 Dec 2019 14:48

Tgt Ion: 92 Resp: 59817

Ion Ratio Lower Upper

92 100

91 171.1 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

60000

50000

40000

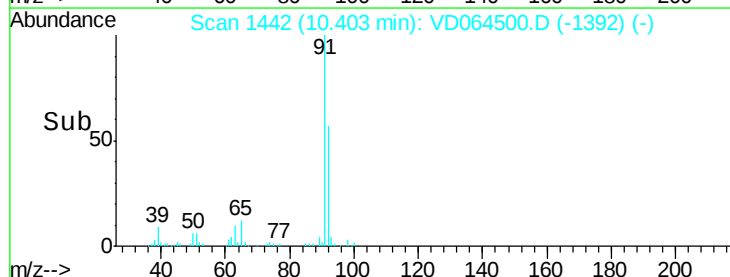
30000

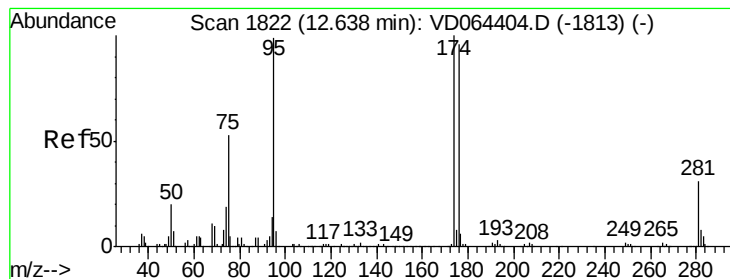
20000

10000

0

Time--> 10.30 10.40 10.50





#62

4-Bromofluorobenzene

Concen: 50.665 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064500.D

Acq: 11 Dec 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

RBR200059

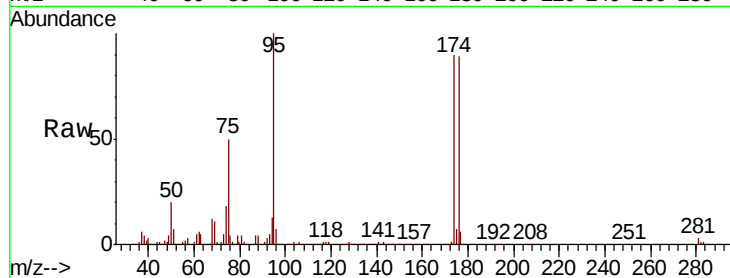
Tot Ion: 95 Resp: 218933

Ion Ratio Lower Upper

95 100

174 96.5 0.0 197.2

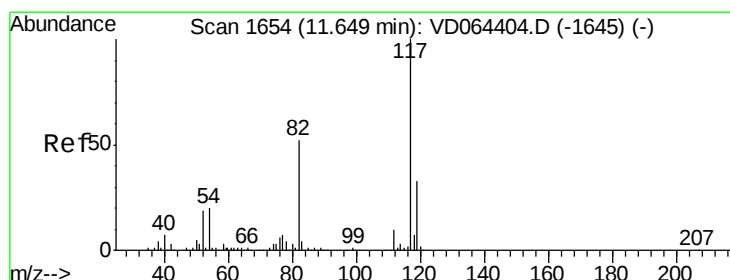
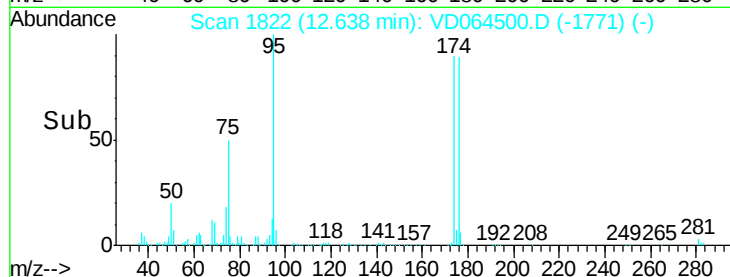
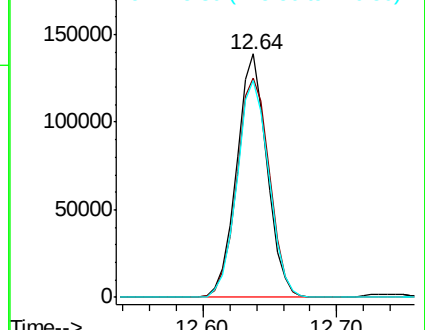
176 93.5 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): V

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: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064500.D

Acq: 11 Dec 2019 14:48

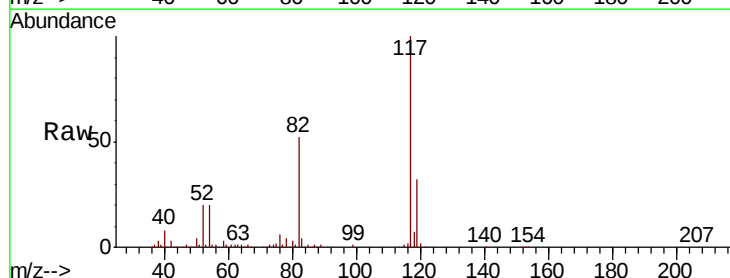
Tgt Ion: 117 Resp: 525417

Ion Ratio Lower Upper

117 100

82 51.7 41.4 62.2

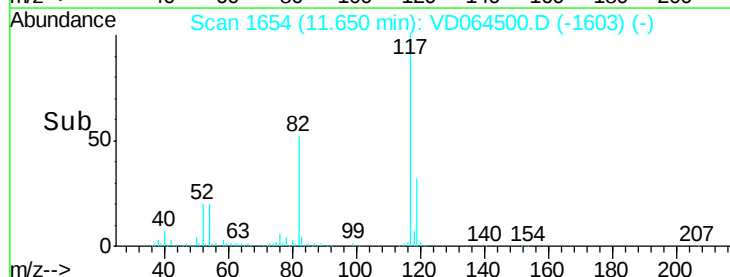
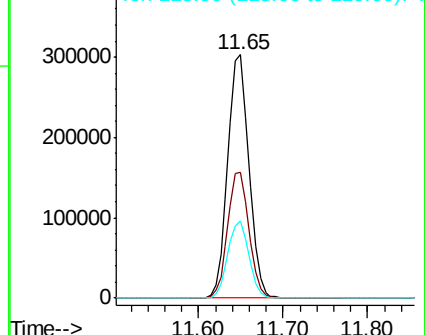
119 31.7 26.2 39.2

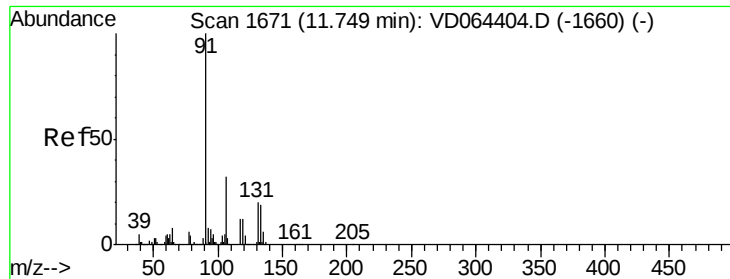


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

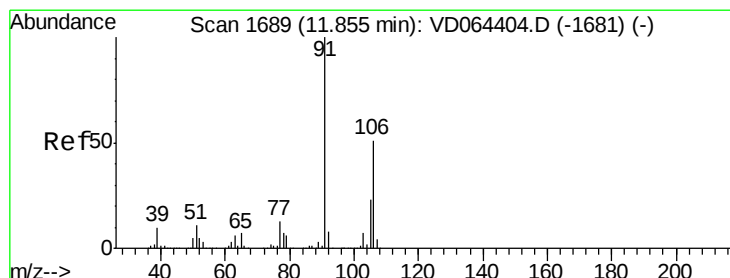
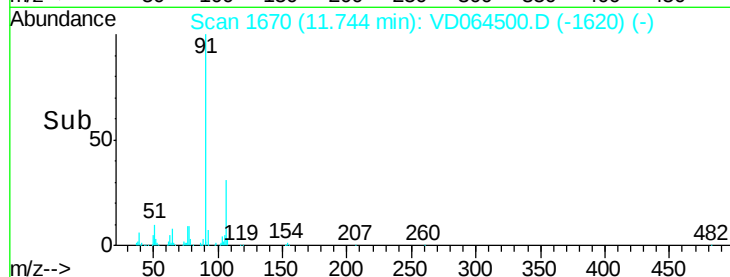
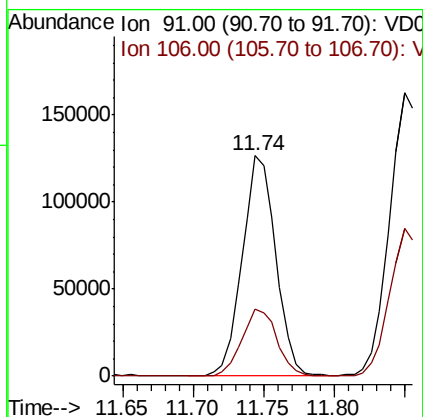
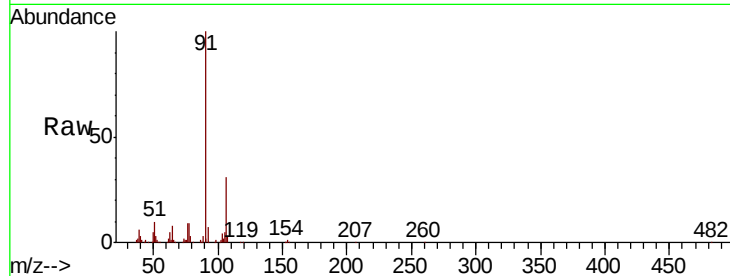




#67
Ethyl Benzene
Concen: 10.818 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064500.D
Acq: 11 Dec 2019 14:48

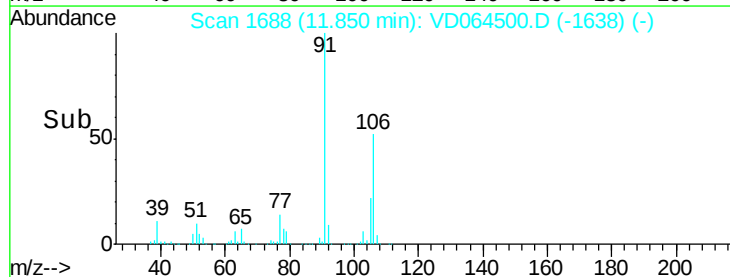
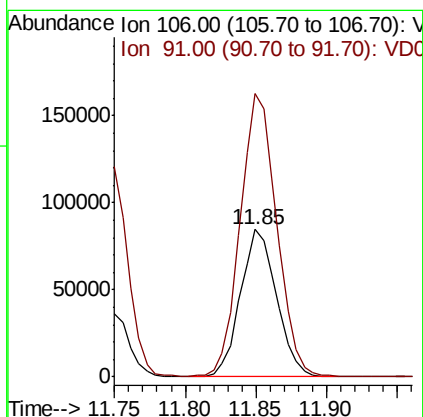
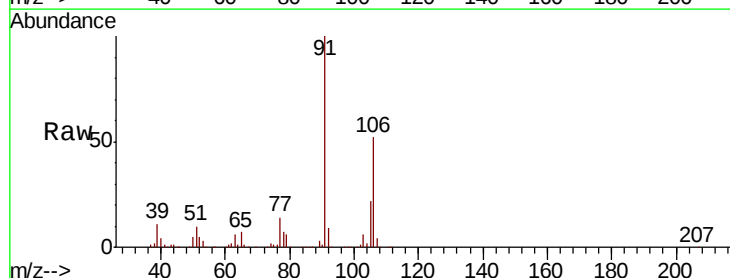
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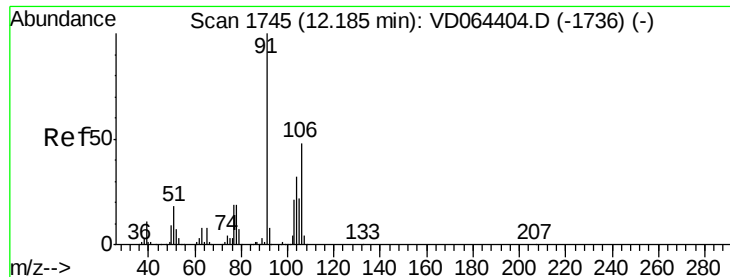
Tot Ion: 91 Resp: 210935
Ion Ratio Lower Upper
91 100
106 30.7 25.8 38.8



#68
m/p-Xylenes
Concen: 20.450 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD064500.D
Acq: 11 Dec 2019 14:48

Tgt Ion: 106 Resp: 152033
Ion Ratio Lower Upper
106 100
91 194.5 157.4 236.2

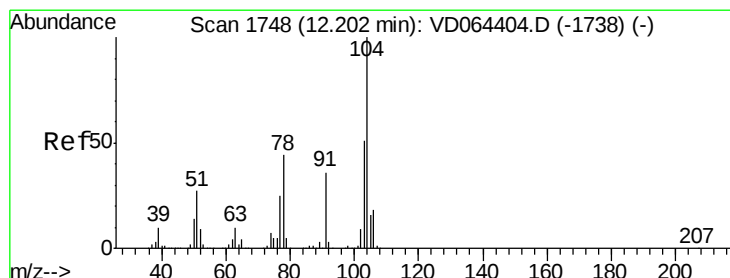
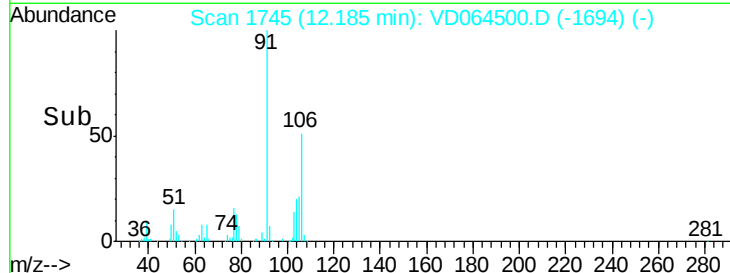
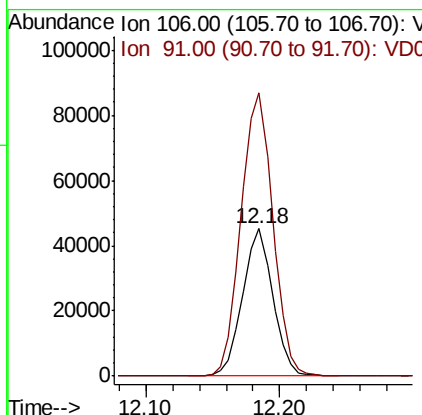
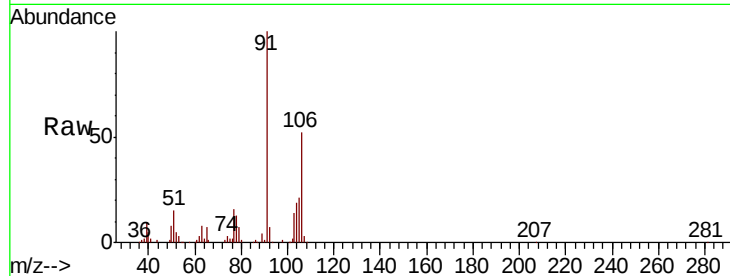




#69
o-Xylene
Concen: 10.318 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064500.D
Acq: 11 Dec 2019 14:48

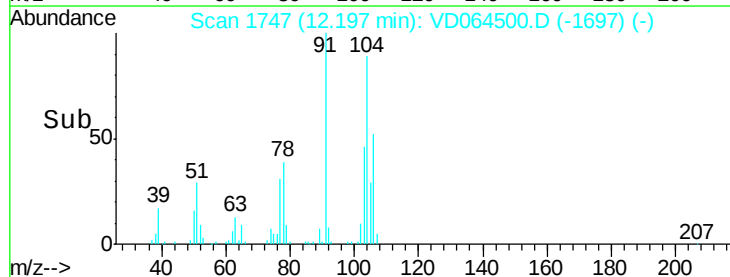
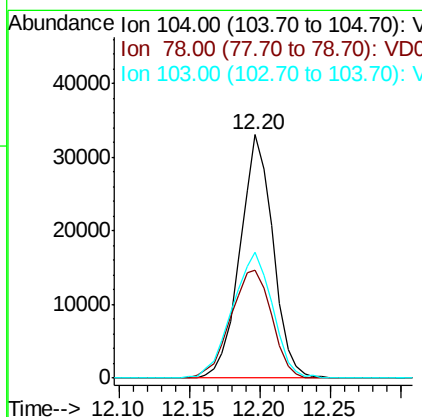
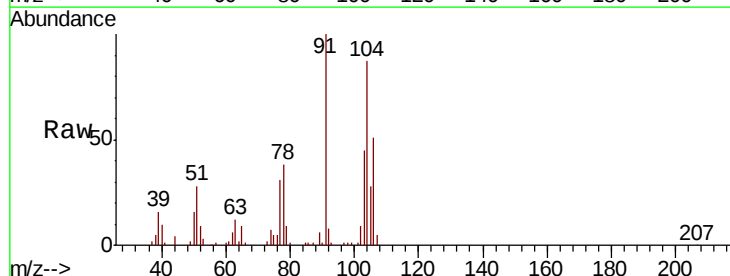
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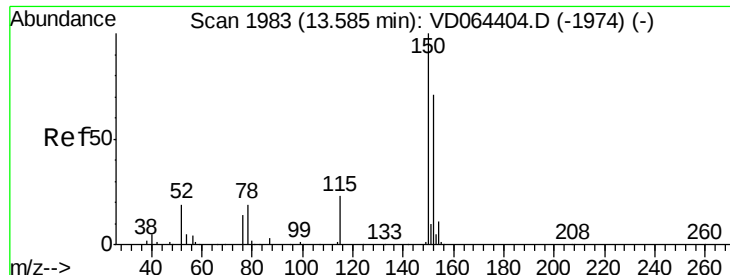
Tot Ion:106 Resp: 70845
Ion Ratio Lower Upper
106 100
91 202.6 103.8 311.4



#70
Styrene
Concen: 4.526 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064500.D
Acq: 11 Dec 2019 14:48

Tgt Ion:104 Resp: 54000
Ion Ratio Lower Upper
104 100
78 55.0 38.8 58.2
103 63.0 44.2 66.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064500.D

Acq: 11 Dec 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

RBR200059

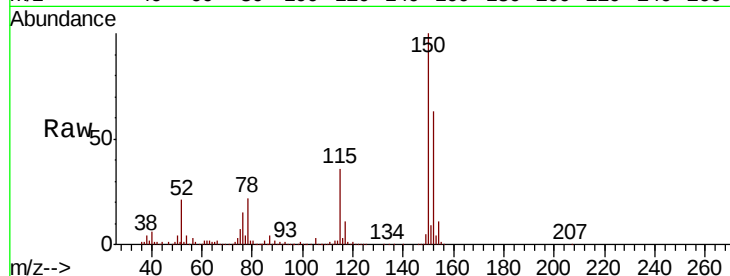
Tot Ion:152 Resp: 223754

Ion Ratio Lower Upper

152 100

115 59.1 26.7 80.1

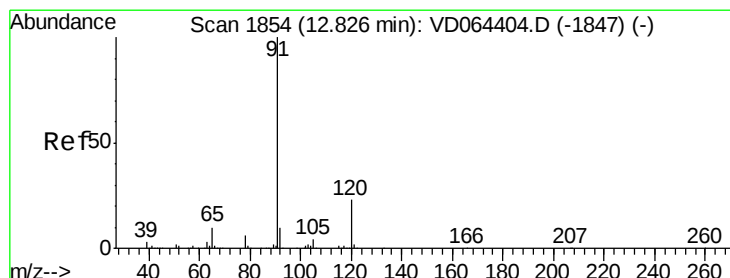
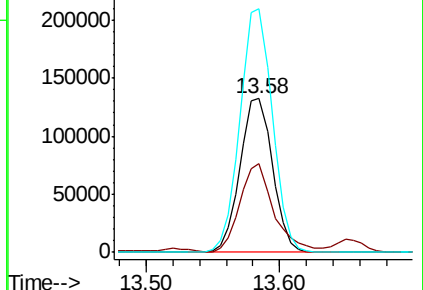
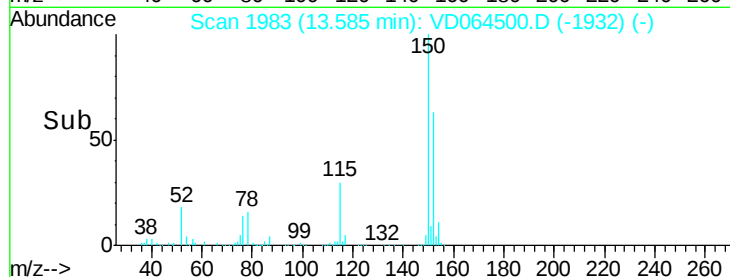
150 157.4 0.0 347.2



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



#78

n-propylbenzene

Concen: 1.135 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064500.D

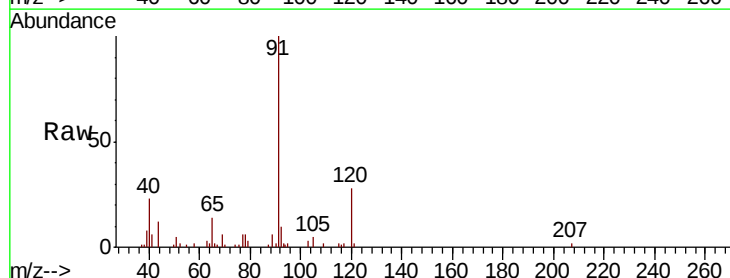
Acq: 11 Dec 2019 14:48

Tgt Ion: 91 Resp: 21079

Ion Ratio Lower Upper

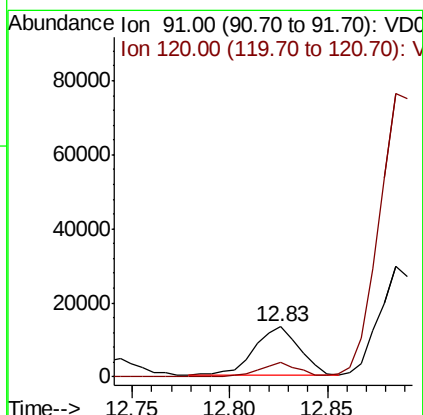
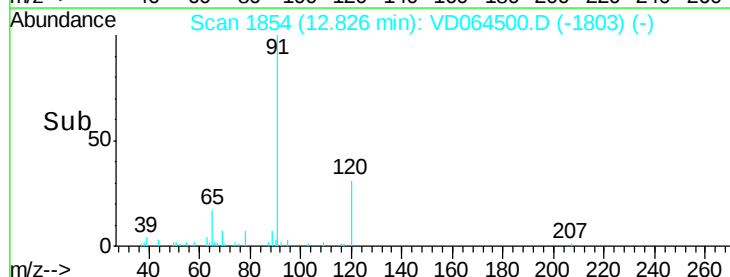
91 100

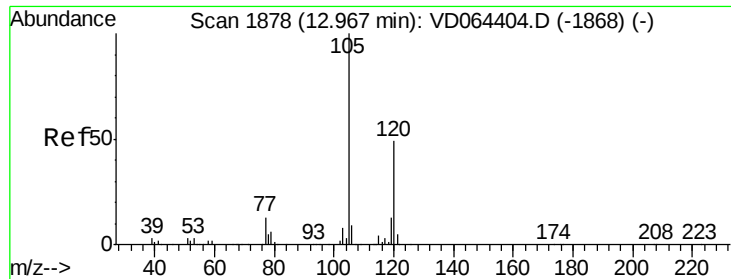
120 0.0 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

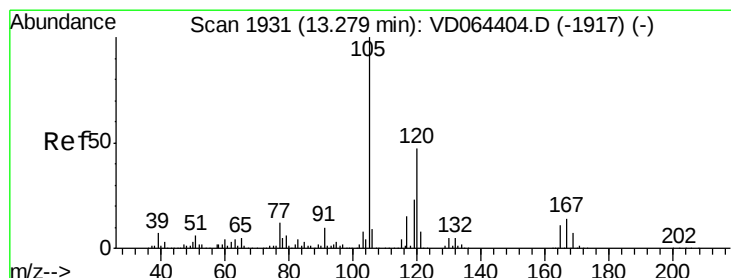
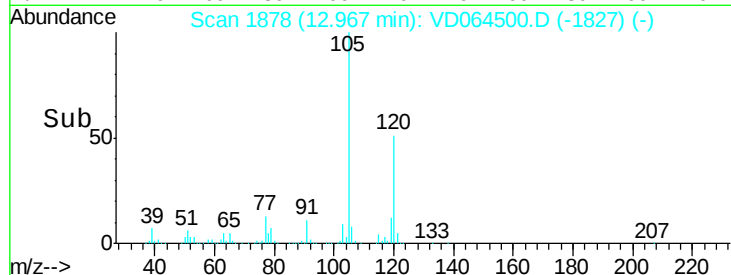
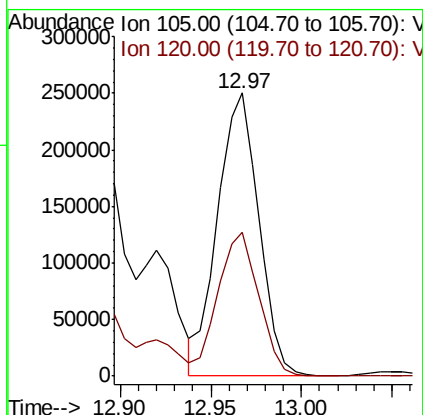
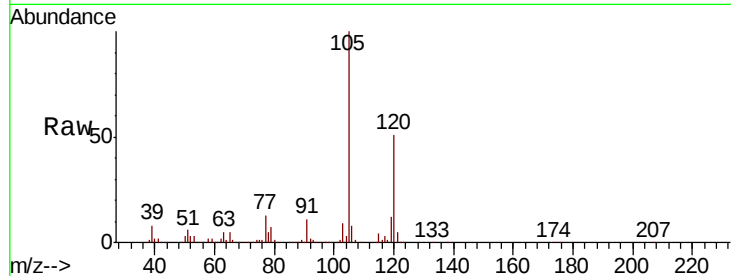




#80
 1,3,5-Trimethylbenzene
 Concen: 29.915 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064500.D
 Acq: 11 Dec 2019 14:48

Instrument :
 MSVOA_D
 ClientSampleID :
 RBR200059

Tot Ion:105 Resp: 393401
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.1 75.3



#84
 1,2,4-Trimethylbenzene
 Concen: 61.249 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064500.D
 Acq: 11 Dec 2019 14:48

Tgt Ion:105 Resp: 809925
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.6 70.8

