

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD080119\
 Data File : VD063294.D
 Acq On : 1 Aug 2019 16:01
 Operator : VA/AP
 Sample : K4120-04
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T2-1

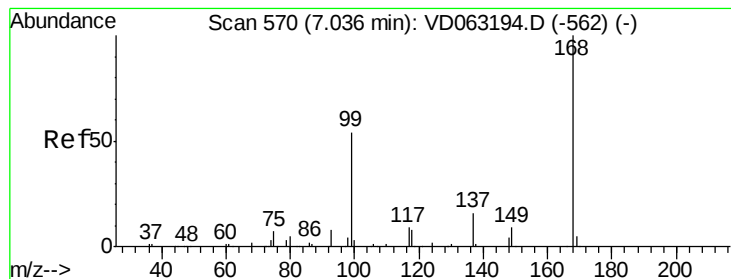
Quant Time: Aug 02 08:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1032401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1466899	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1044013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	331241	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	390597	34.10	ug/l	0.00
Spiked Amount			Recovery	=	68.20%	
35) Dibromofluoromethane	6.91	113	467298	37.31	ug/l	0.00
Spiked Amount			Recovery	=	74.62%	
50) Toluene-d8	10.40	98	947988	33.82	ug/l	0.00
Spiked Amount			Recovery	=	67.64%	
62) 4-Bromofluorobenzene	13.55	95	279479	21.88	ug/l	0.00
Spiked Amount			Recovery	=	43.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	6.95	56	744876	72.998	ug/l	94
39) Methylcyclohexane	8.86	83	646528	57.964	ug/l	94
40) Benzene	7.45	78	1313176	46.803	ug/l	97
52) Toluene	10.50	92	100966	5.411	ug/l	89
67) Ethyl Benzene	12.52	91	348737	10.223	ug/l	98
68) m/p-Xylenes	12.66	106	196977	15.745	ug/l	92
69) o-Xylene	13.04	106	50068	4.358	ug/l	90
73) Isopropylbenzene	13.39	105	372191	17.903	ug/l	95
78) n-propylbenzene	13.77	91	141007	5.699	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

Instrument :

MSVOA_D

ClientSampled :

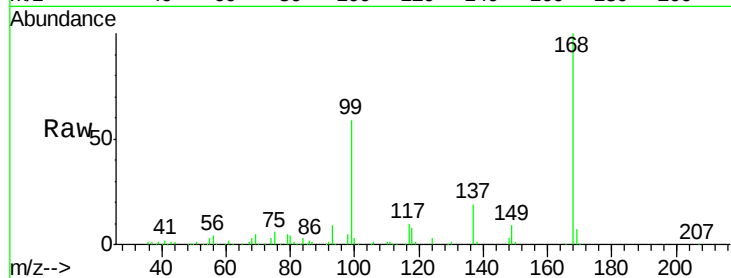
T2-1

Tot Ion:168 Resp: 1032401

Ion Ratio Lower Upper

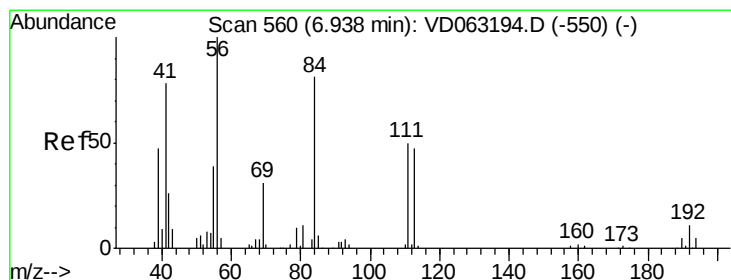
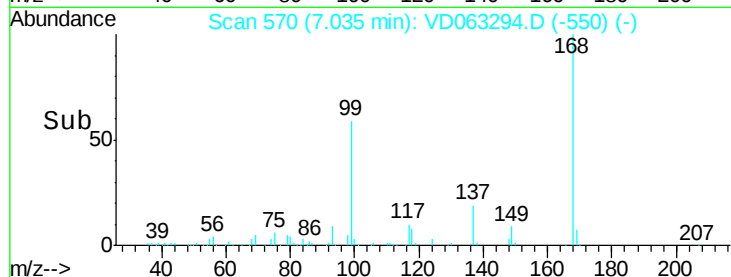
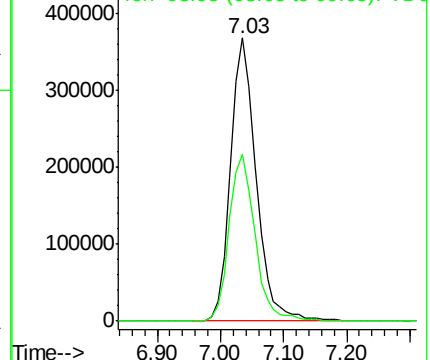
168 100

99 59.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#31

Cyclohexane

Concen: 72.998 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

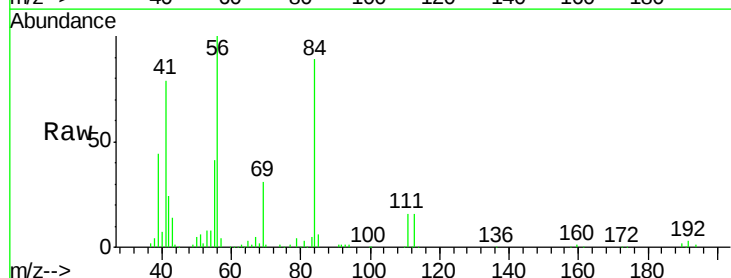
Tgt Ion: 56 Resp: 744876

Ion Ratio Lower Upper

56 100

69 30.7 24.5 36.7

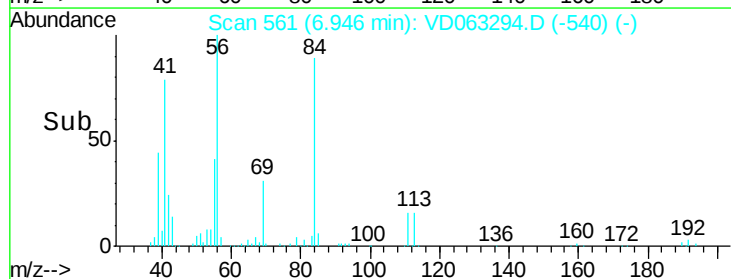
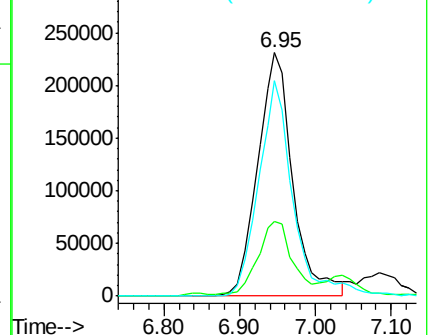
84 88.5 64.9 97.3

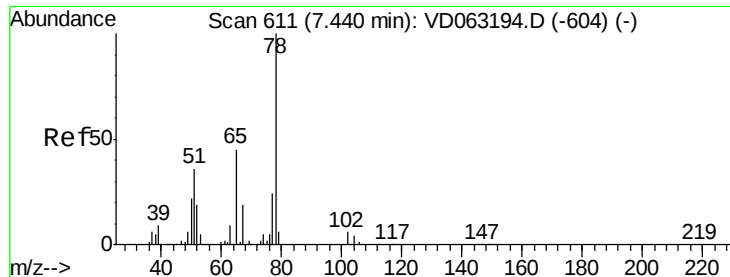


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 34.097 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

Instrument :

MSVOA_D

ClientSampleId :

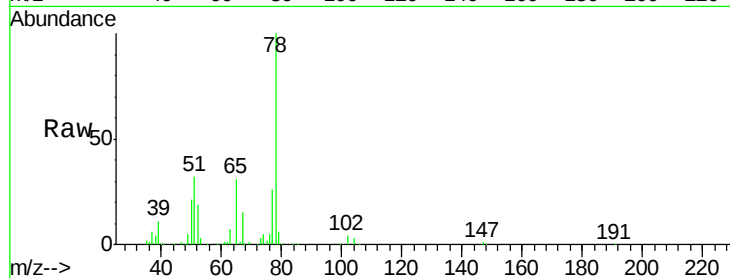
T2-1

Tot Ion: 65 Resp: 390597

Ion Ratio Lower Upper

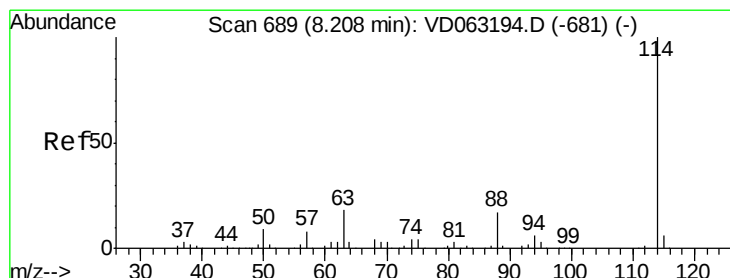
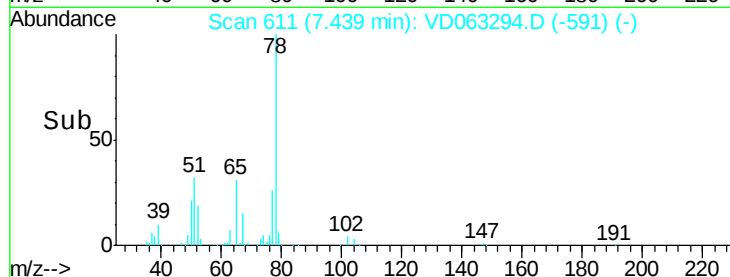
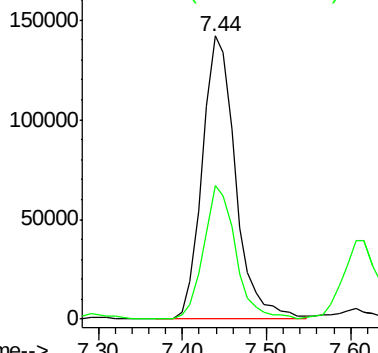
65 100

67 47.1 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

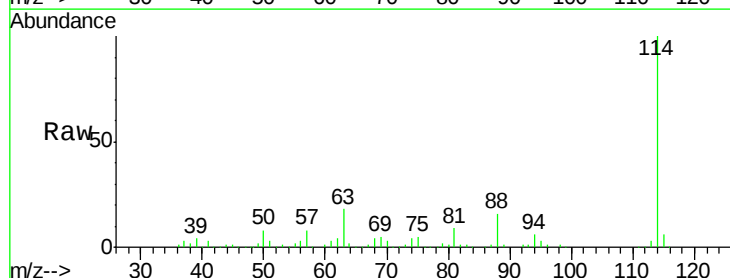
Tgt Ion: 114 Resp: 1466899

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

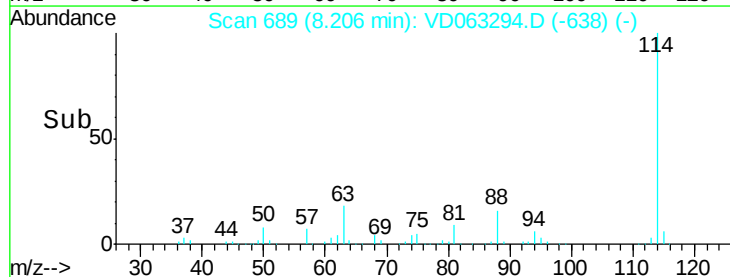
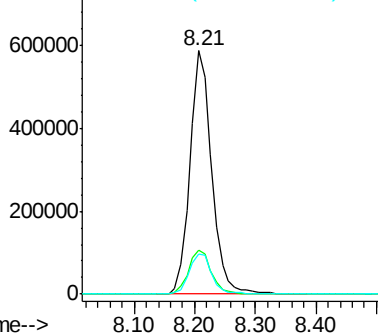
88 16.4 0.0 34.6

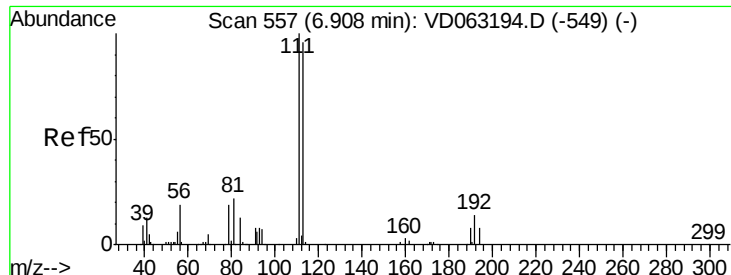


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 37.312 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

Instrument :

MSVOA_D

ClientSampleId :

T2-1

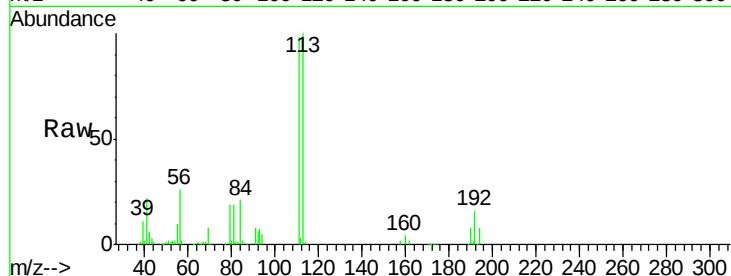
Tot Ion:113 Resp: 467298

Ion Ratio Lower Upper

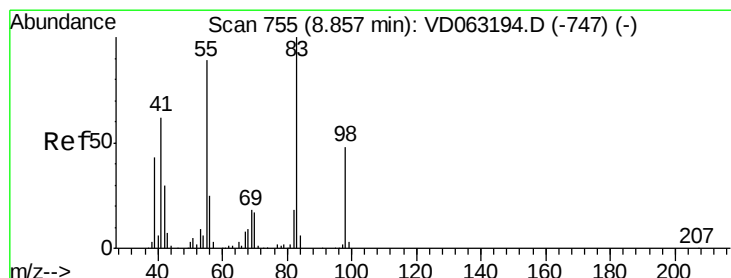
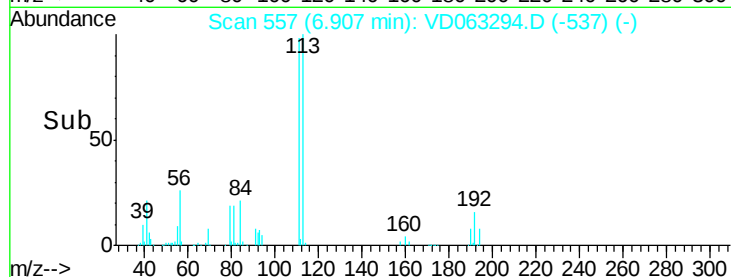
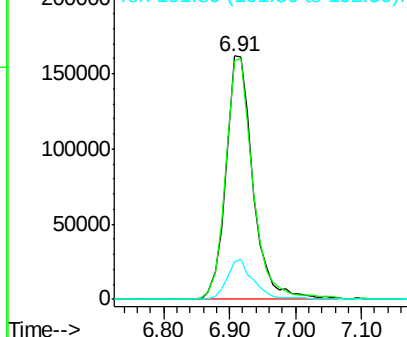
113 100

111 97.7 83.2 124.8

192 15.5 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#39

Methylcyclohexane

Concen: 57.964 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

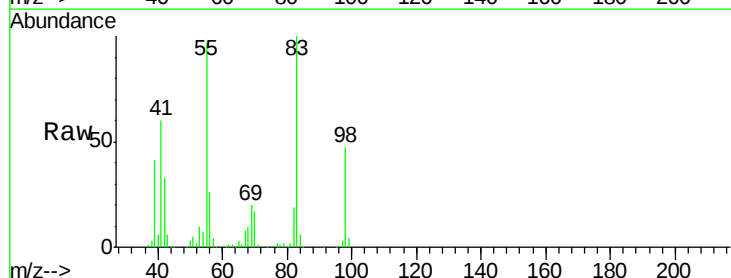
Tgt Ion: 83 Resp: 646528

Ion Ratio Lower Upper

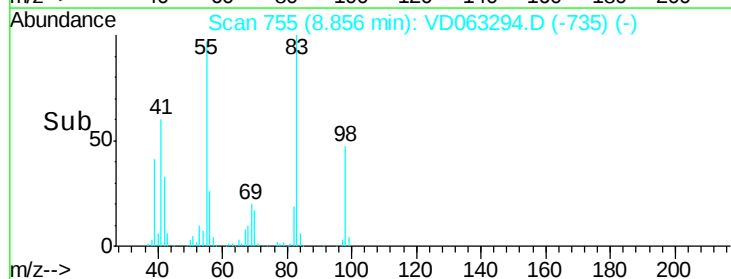
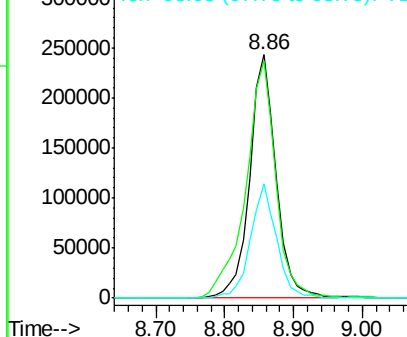
83 100

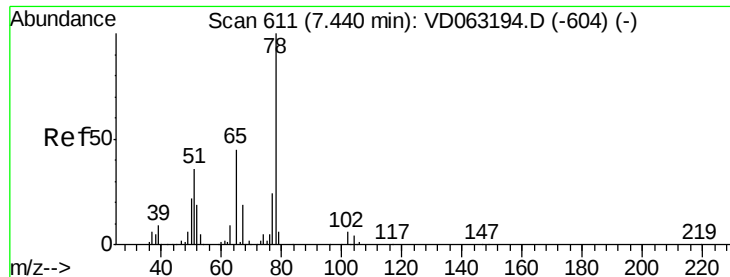
55 97.2 71.1 106.7

98 46.7 38.5 57.7



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 46.803 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

Instrument :

MSVOA_D

ClientSampleId :

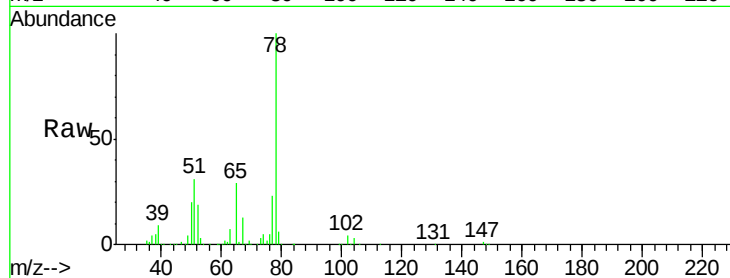
T2-1

Tot Ion: 78 Resp: 1313176

Ion Ratio Lower Upper

78 100

77 22.6 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.45

500000

400000

300000

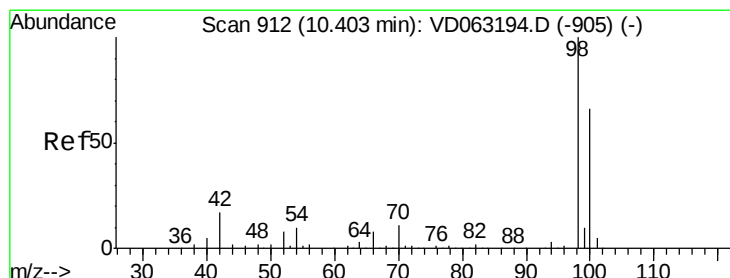
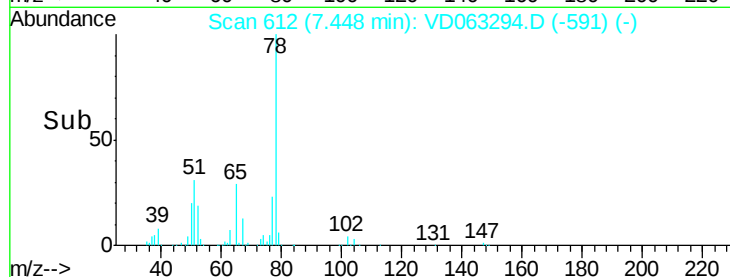
200000

100000

0

7.30 7.40 7.50 7.60

Time-->



#50

Toluene-d8

Concen: 33.822 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063294.D

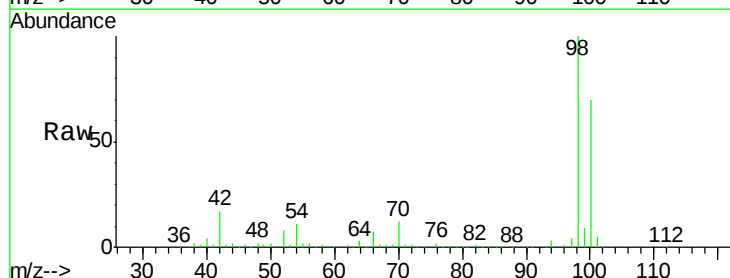
Acq: 1 Aug 2019 16:01

Tgt Ion: 98 Resp: 947988

Ion Ratio Lower Upper

98 100

100 69.6 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.40

500000

400000

300000

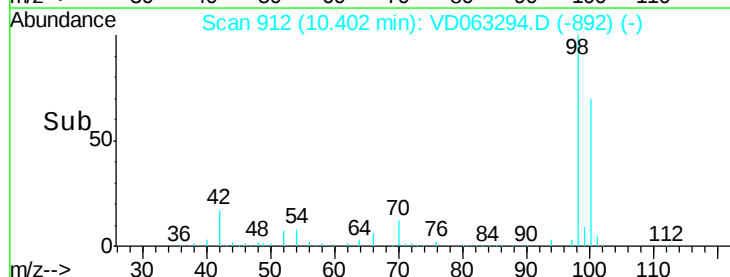
200000

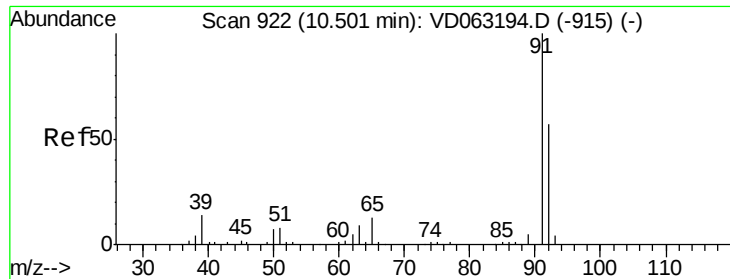
100000

0

10.20 10.40 10.60

Time-->





#52

Toluene

Concen: 5.411 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

Instrument :

MSVOA_D

ClientSampleId :

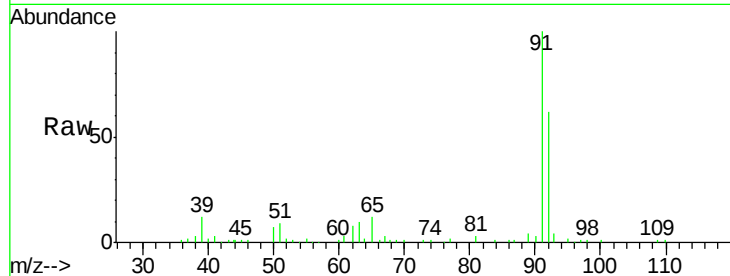
T2-1

Tot Ion: 92 Resp: 100966

Ion Ratio Lower Upper

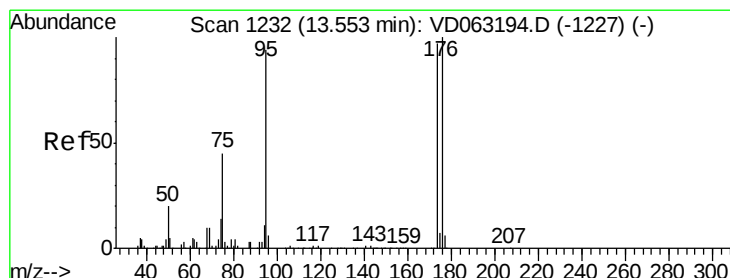
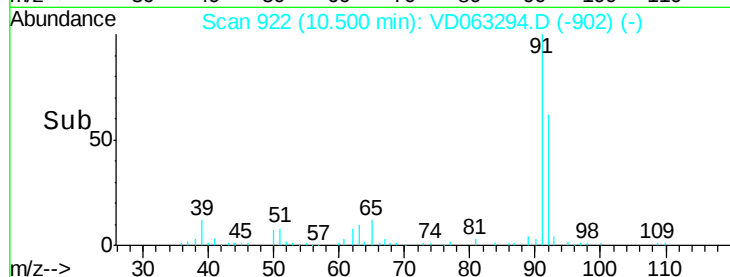
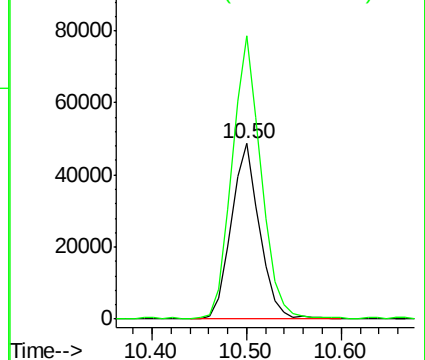
92 100

91 161.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 21.881 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

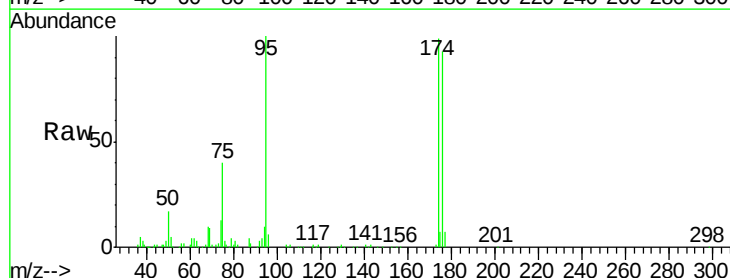
Tgt Ion: 95 Resp: 279479

Ion Ratio Lower Upper

95 100

174 98.8 0.0 205.4

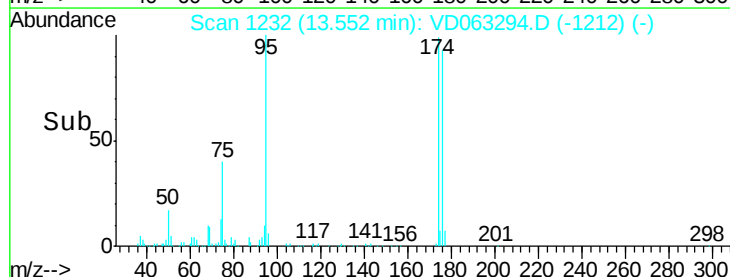
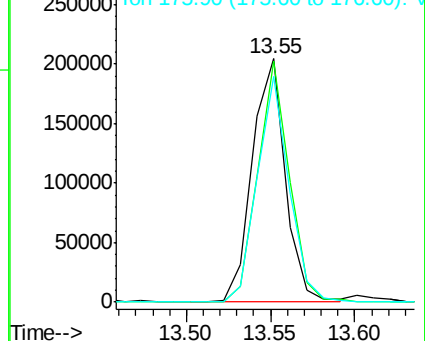
176 92.6 0.0 211.8

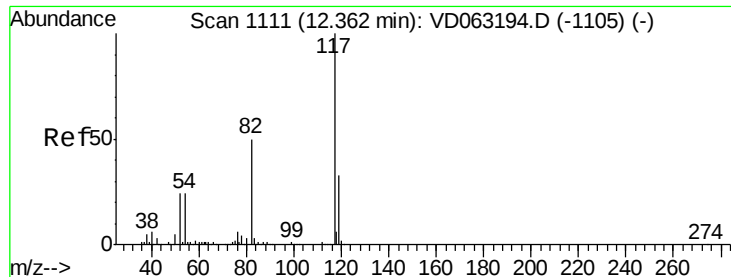


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

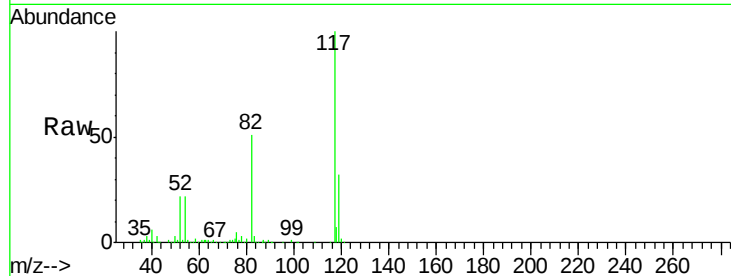




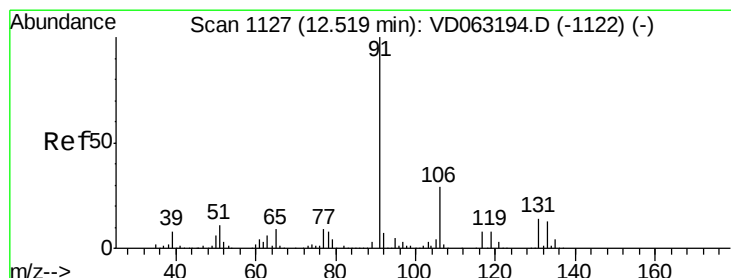
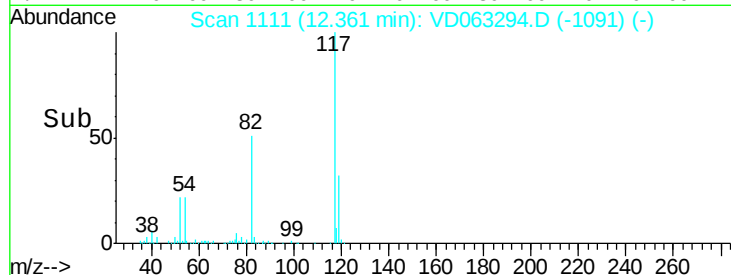
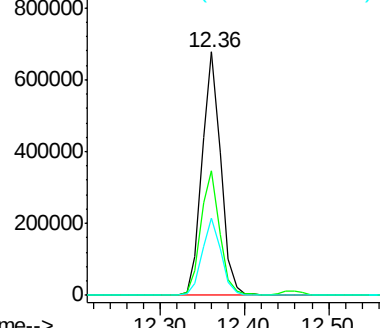
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063294.D
Acq: 1 Aug 2019 16:01

Instrument :
MSVOA_D
ClientSampleId :
T2-1

Tot Ion:117 Resp: 1044013
Ion Ratio Lower Upper
117 100
82 51.0 40.1 60.1
119 31.8 26.5 39.7

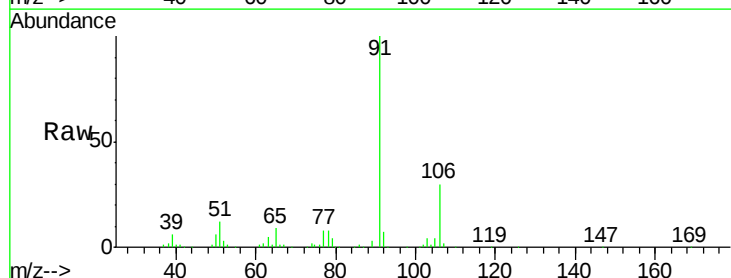


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

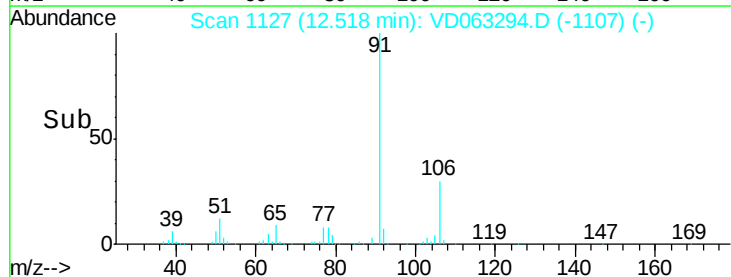
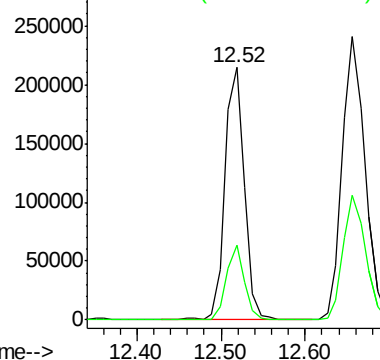


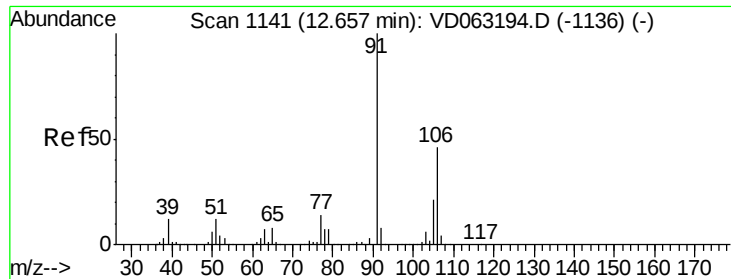
#67
Ethyl Benzene
Concen: 10.223 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063294.D
Acq: 1 Aug 2019 16:01

Tgt Ion: 91 Resp: 348737
Ion Ratio Lower Upper
91 100
106 29.7 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

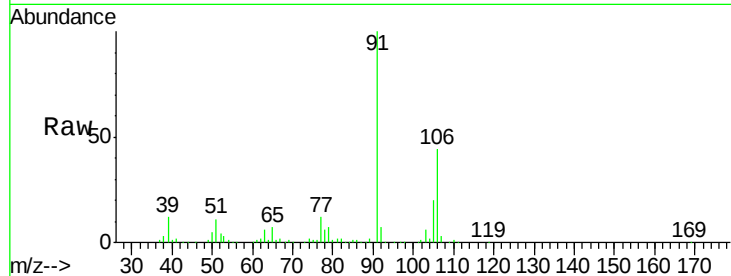




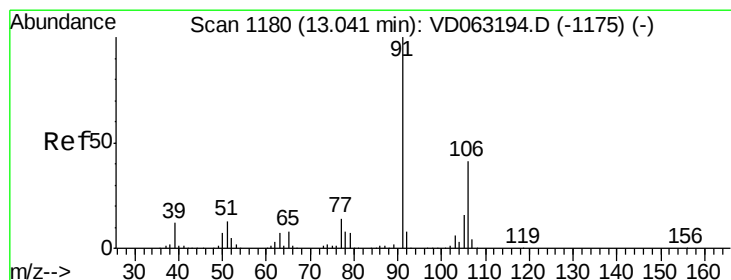
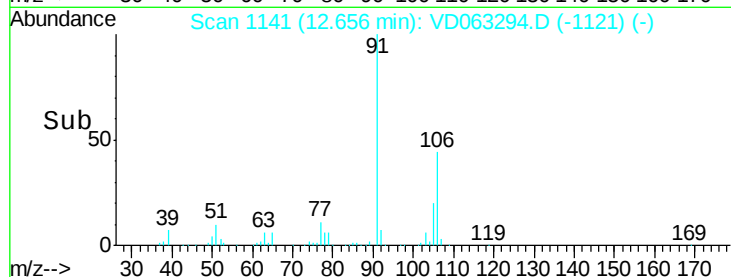
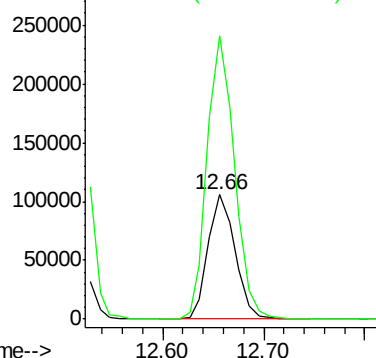
#68
m/p-Xylenes
Concen: 15.745 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063294.D
Acq: 1 Aug 2019 16:01

Instrument :
MSVOA_D
ClientSampleId :
T2-1

Tot Ion:106 Resp: 196977
Ion Ratio Lower Upper
106 100
91 228.1 172.6 259.0

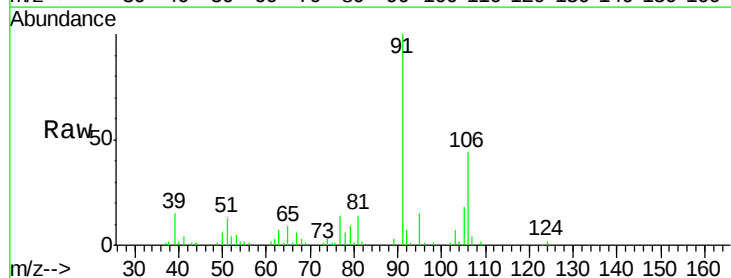


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

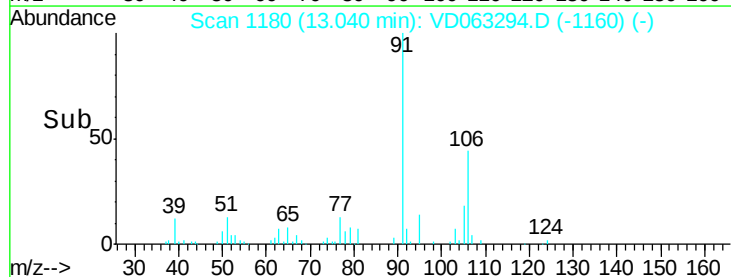
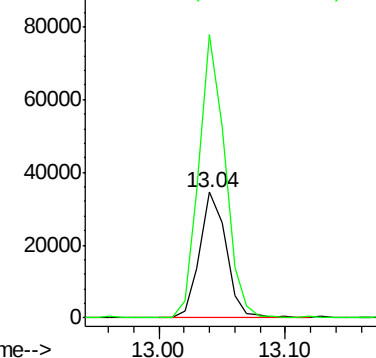


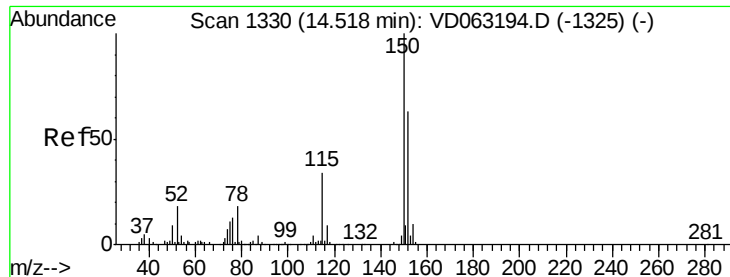
#69
o-Xylene
Concen: 4.358 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063294.D
Acq: 1 Aug 2019 16:01

Tgt Ion:106 Resp: 50068
Ion Ratio Lower Upper
106 100
91 224.9 121.3 363.9



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC



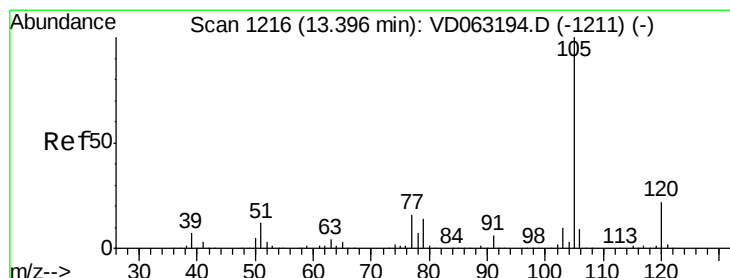
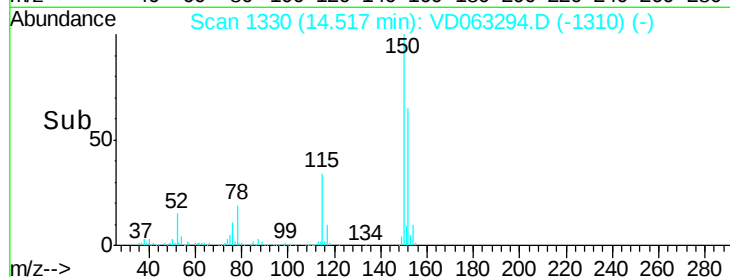
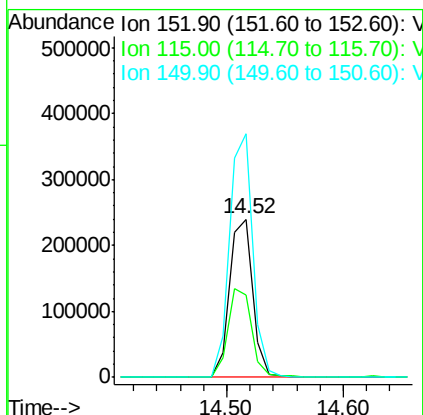
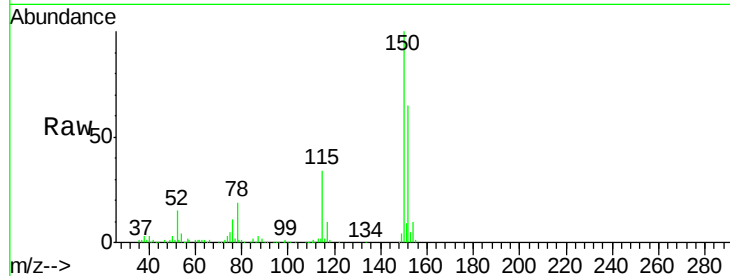


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063294.D
Acq: 1 Aug 2019 16:01

Instrument :
MSVOA_D
ClientSampled :
T2-1

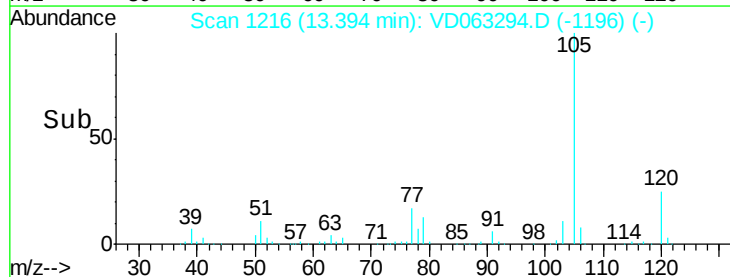
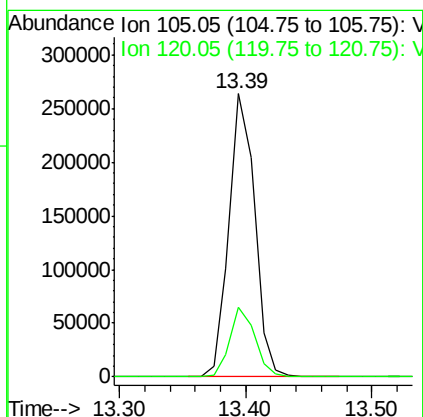
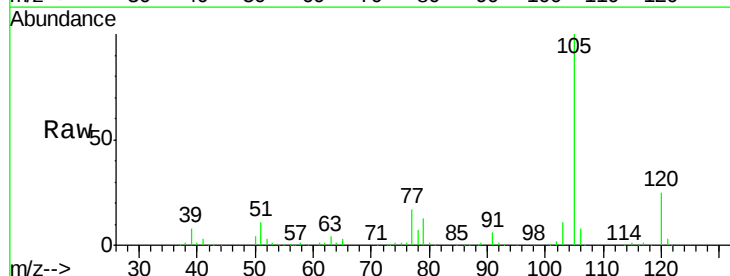
Tot Ion	Ratio	Lower	Upper
152	100		
115	52.4	27.5	82.4
150	154.0	0.0	320.6

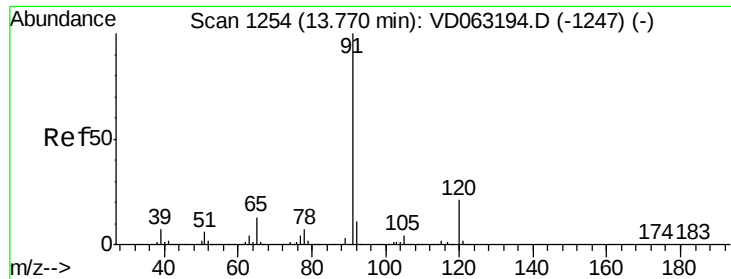


#73

Isopropylbenzene
Concen: 17.903 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VD063294.D
Acq: 1 Aug 2019 16:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	11.1	33.3





#78

n-propylbenzene

Concen: 5.699 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063294.D

Acq: 1 Aug 2019 16:01

Instrument :

MSVOA_D

ClientSampleId :

T2-1

Tot Ion: 91 Resp: 141007

Ion Ratio Lower Upper

91 100

120 18.5 10.7 32.1

