

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062420.D
 Acq On : 16 May 2019 16:28
 Operator : FY/SY
 Sample : K2823-06
 Misc : 5.42g/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 12-B2

Quant Time: May 17 03:46:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	510459	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	854953	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	662605	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	315552	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	261554	55.14	ug/l	0.03
Spiked Amount 50.000			Recovery =	110.28%		
35) Dibromofluoromethane	6.92	113	298196	42.04	ug/l	0.03
Spiked Amount 50.000			Recovery =	84.08%		
50) Toluene-d8	10.43	98	894969	52.33	ug/l	0.03
Spiked Amount 50.000			Recovery =	104.66%		
62) 4-Bromofluorobenzene	13.57	95	330453	48.11	ug/l	0.02
Spiked Amount 50.000			Recovery =	96.22%		

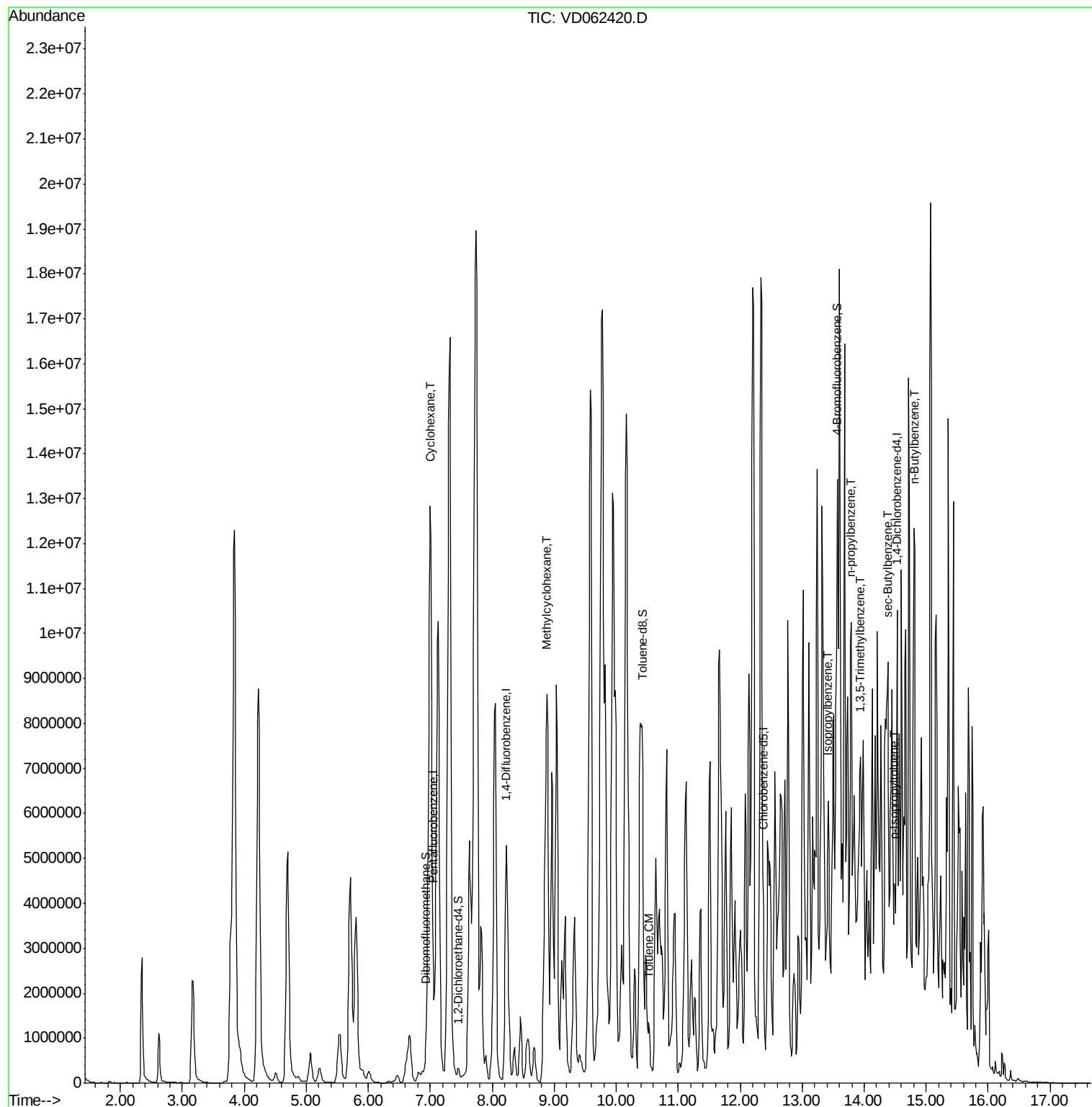
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.00	56	4291187	862.170	ug/l #	44
39) Methylcyclohexane	8.88	83	4795497	714.014	ug/l	89
52) Toluene	10.53	92	63013	6.118	ug/l	89
73) Isopropylbenzene	13.42	105	1020253	53.938	ug/l	99
78) n-propylbenzene	13.79	91	5183704	229.737	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	96478	6.057	ug/l	99
85) sec-Butylbenzene	14.38	105	2391172	121.818	ug/l	96
86) p-Isopropyltoluene	14.50	119	244931	13.966	ug/l #	83
89) n-Butylbenzene	14.82	91	4885018	310.335	ug/l	96

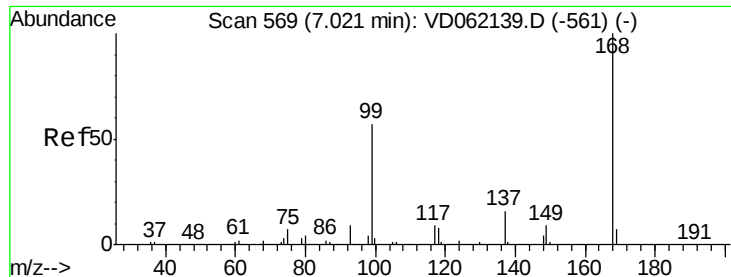
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051619\
Data File : VD062420.D
Acq On : 16 May 2019 16:28
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Quant Time: May 17 03:46:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

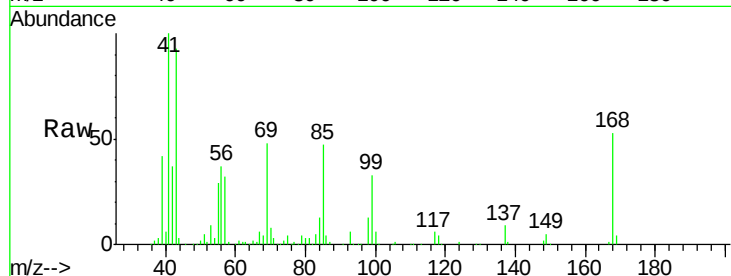
12-B2

Tot Ion:168 Resp: 510459

Ion Ratio Lower Upper

168 100

99 62.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

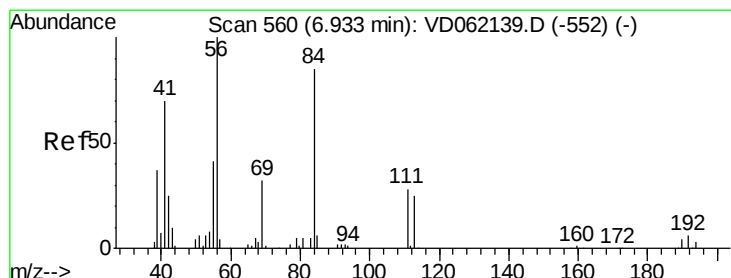
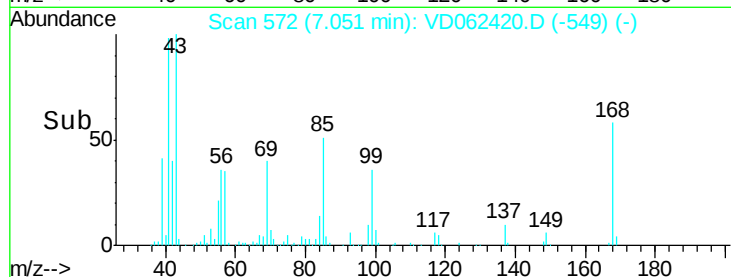
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 862.170 ug/l

RT: 7.00 min Scan# 567

Delta R.T. 0.07 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

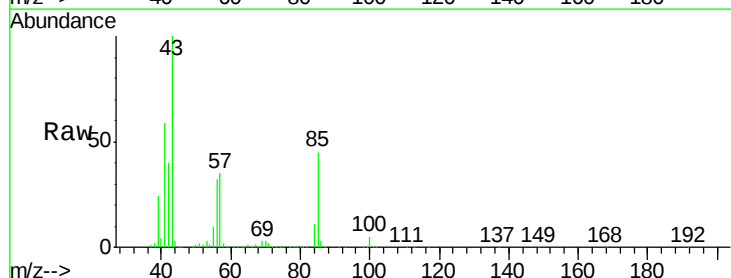
Tgt Ion: 56 Resp: 4291187

Ion Ratio Lower Upper

56 100

69 7.9 25.8 38.6#

84 33.3 72.2 108.4#



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

3000000

2500000

2000000

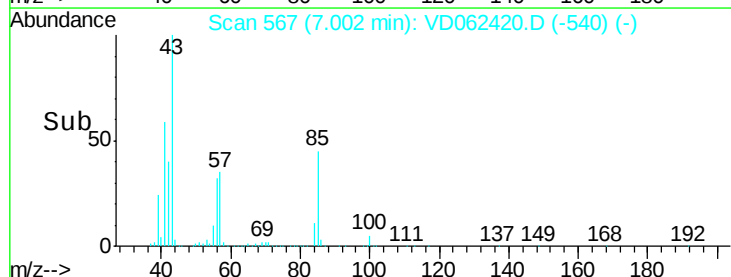
1500000

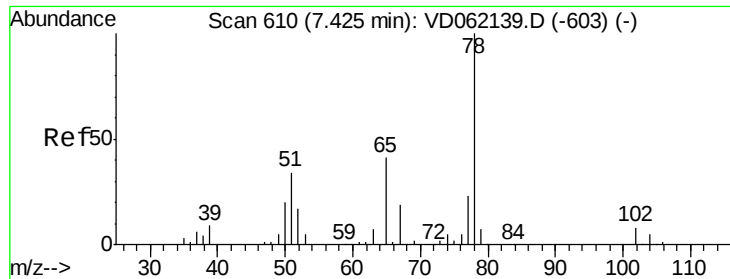
1000000

500000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.136 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampled :

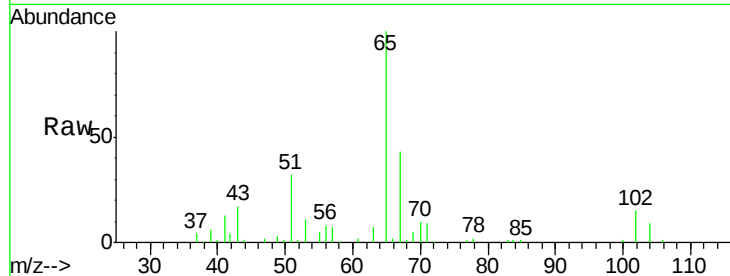
12-B2

Tot Ion: 65 Resp: 261554

Ion Ratio Lower Upper

65 100

67 42.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

120000

100000

80000

60000

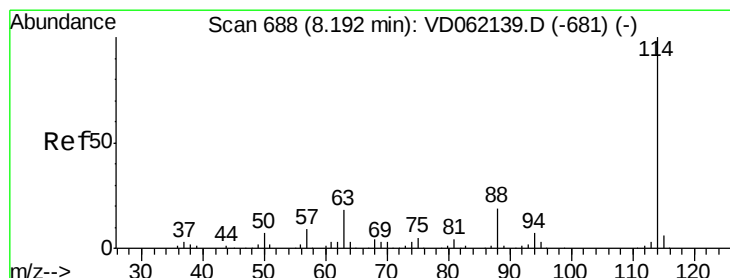
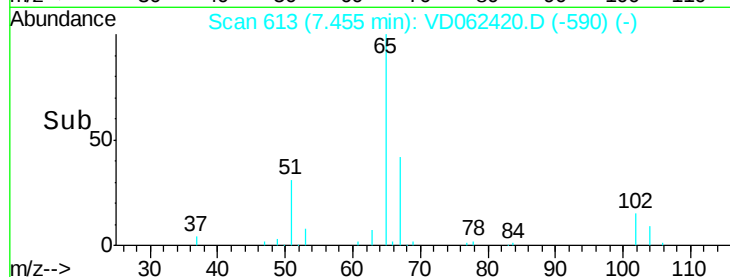
40000

20000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

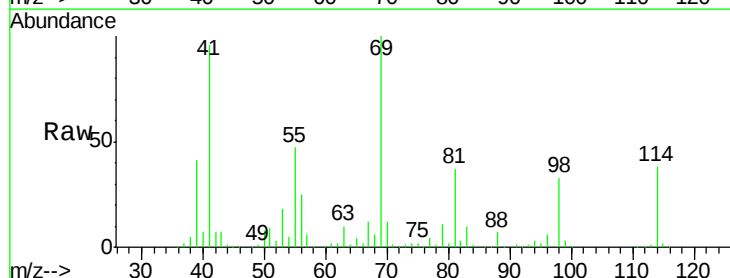
Tgt Ion: 114 Resp: 854953

Ion Ratio Lower Upper

114 100

63 25.0 0.0 32.4

88 17.7 0.0 33.6



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

400000

300000

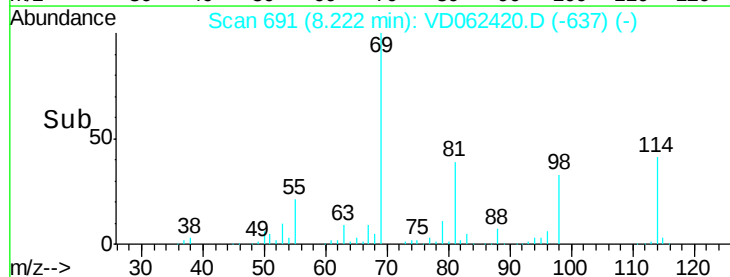
200000

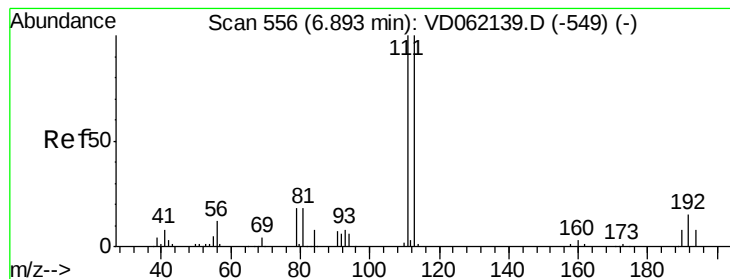
100000

0

8.20 8.40

Time-->





#35

Dibromofluoromethane

Concen: 42.037 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

12-B2

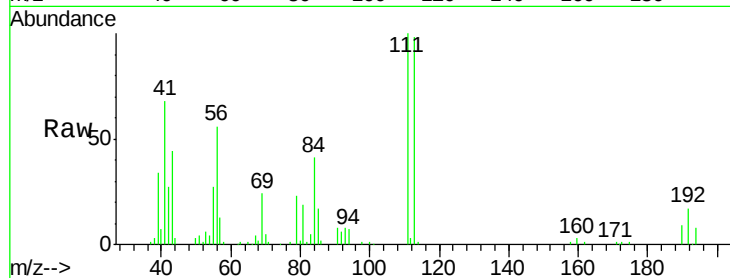
Tot Ion:113 Resp: 298196

Ion Ratio Lower Upper

113 100

111 102.4 78.5 117.7

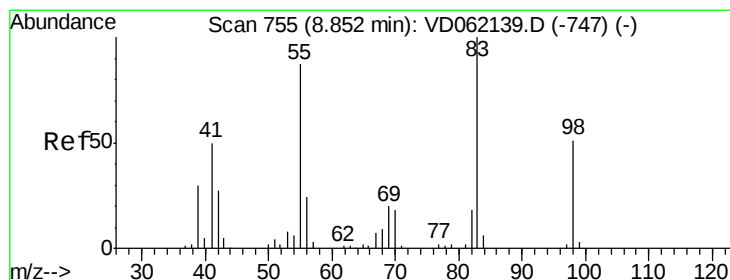
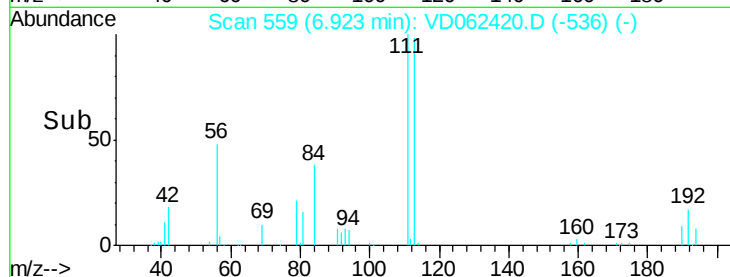
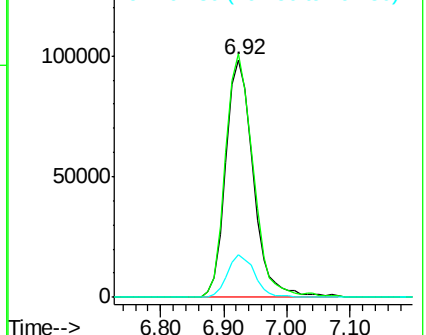
192 17.9 13.0 19.4



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: 714.014 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

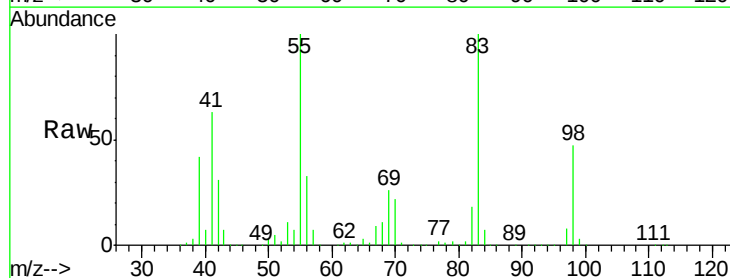
Tgt Ion: 83 Resp: 4795497

Ion Ratio Lower Upper

83 100

55 100.3 68.2 102.4

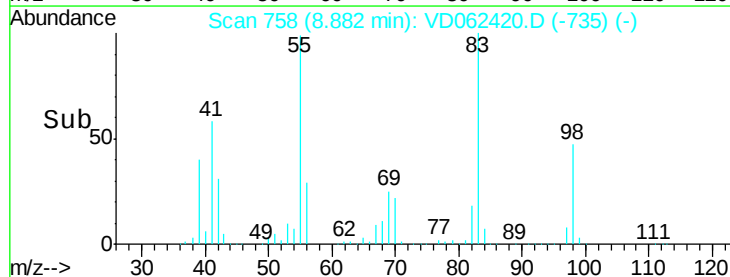
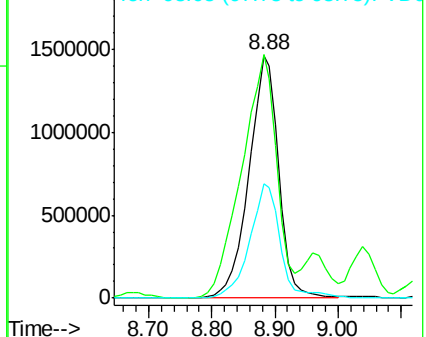
98 47.0 38.2 57.4

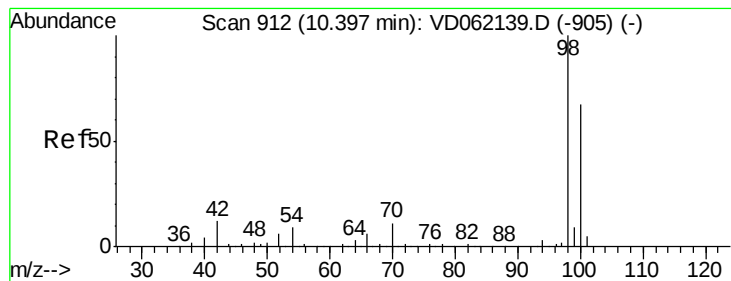


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#50

Toluene-d8

Concen: 52.327 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampled :

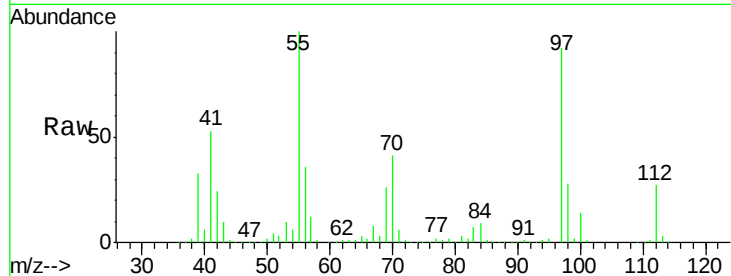
12-B2

Tot Ion: 98 Resp: 894969

Ion Ratio Lower Upper

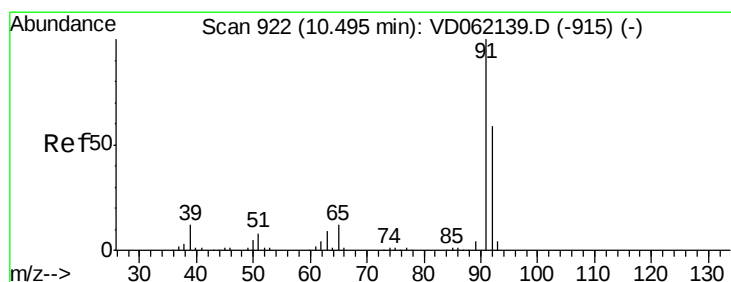
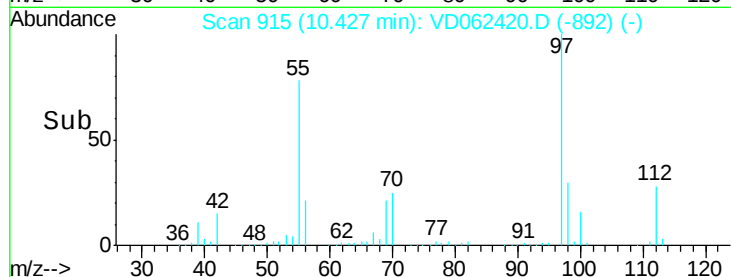
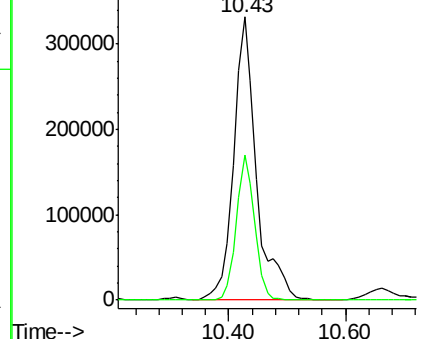
98 100

100 51.5 53.8 80.8#



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 6.118 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062420.D

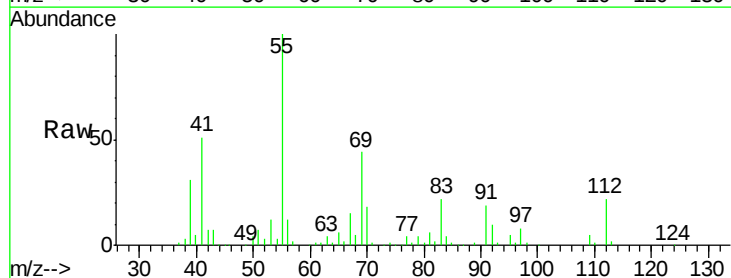
Acq: 16 May 2019 16:28

Tgt Ion: 92 Resp: 63013

Ion Ratio Lower Upper

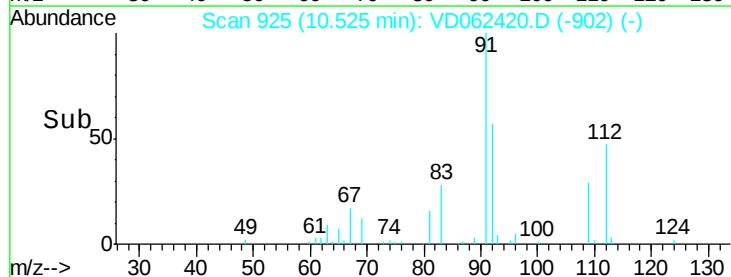
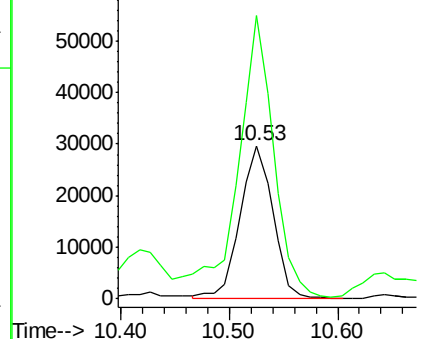
92 100

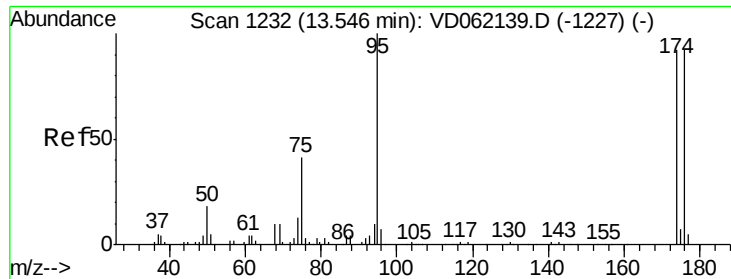
91 185.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

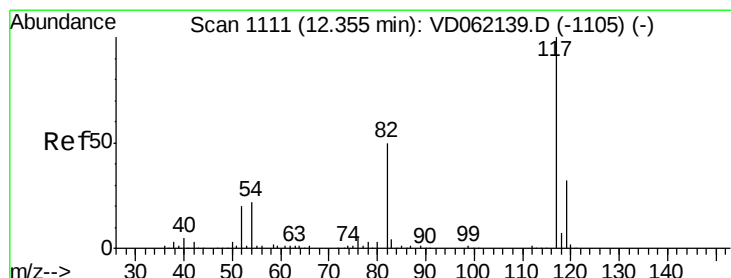
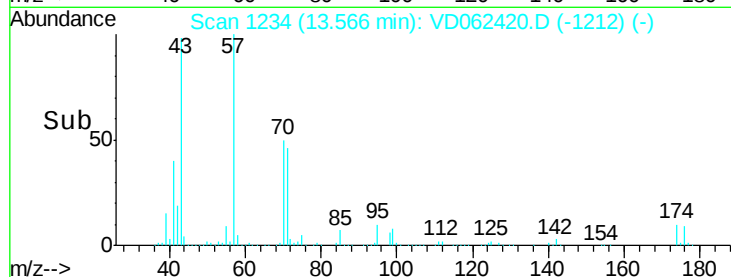
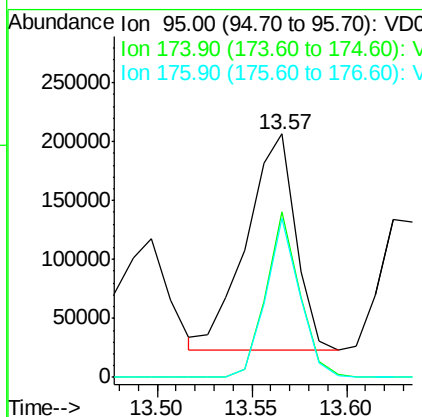
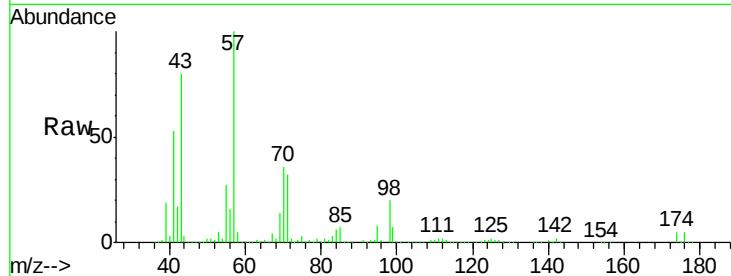




#62
4-Bromofluorobenzene
Concen: 48.114 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

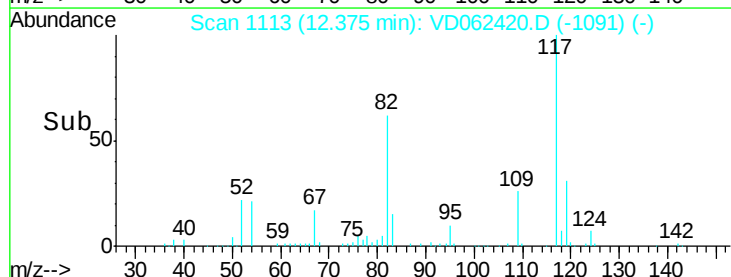
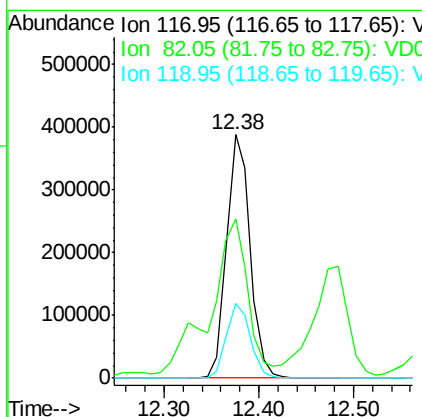
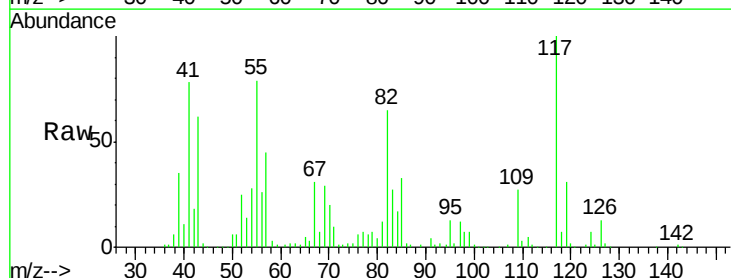
Instrument :
MSVOA_D
ClientSampleId :
12-B2

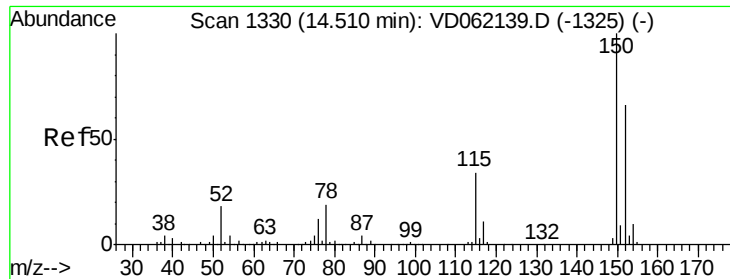
Tot Ion: 95 Resp: 330453
Ion Ratio Lower Upper
95 100
174 67.9 0.0 181.8
176 65.2 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Tgt Ion: 117 Resp: 662605
Ion Ratio Lower Upper
117 100
82 65.4 36.2 54.2#
119 30.6 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

12-B2

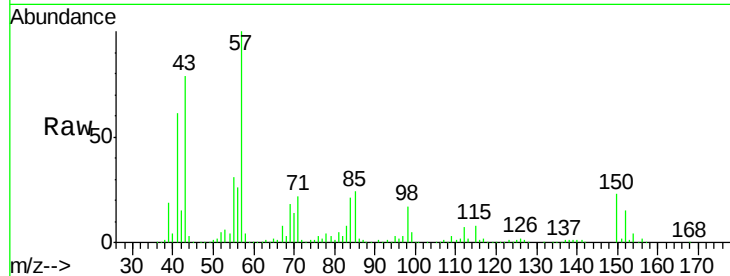
Tot Ion:152 Resp: 315552

Ion Ratio Lower Upper

152 100

115 52.3 30.9 92.7

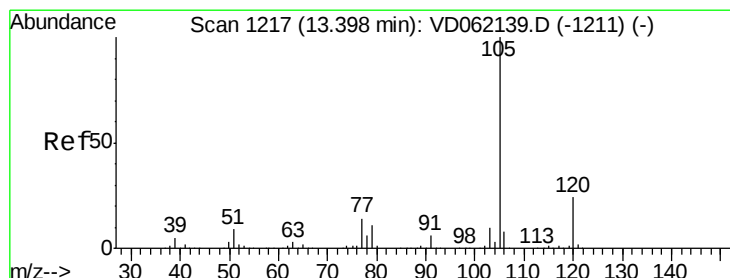
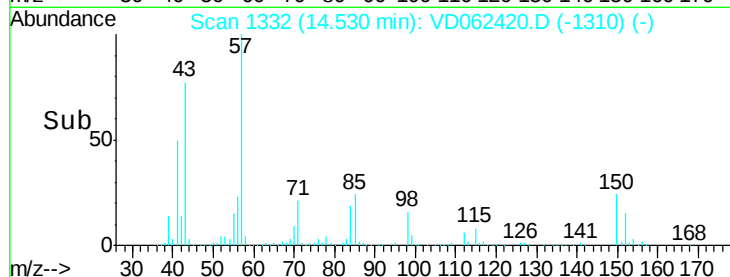
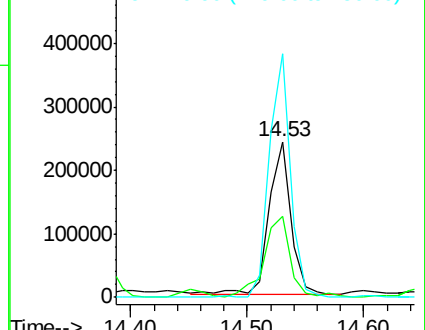
150 156.6 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 53.938 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD062420.D

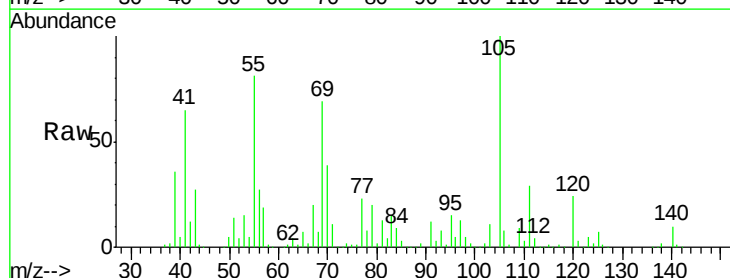
Acq: 16 May 2019 16:28

Tgt Ion:105 Resp: 1020253

Ion Ratio Lower Upper

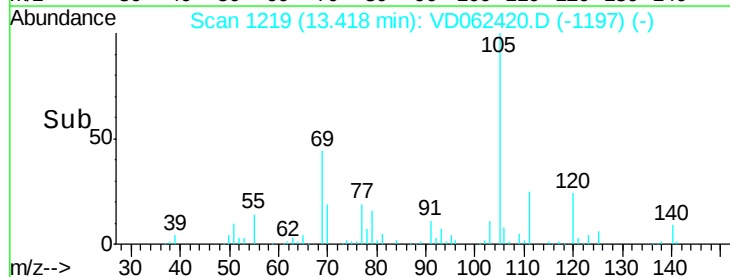
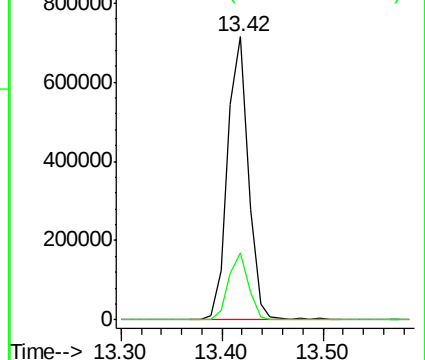
105 100

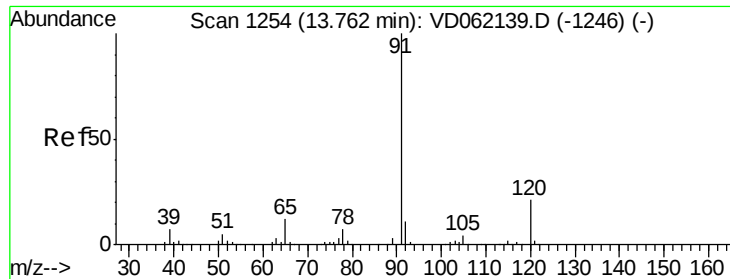
120 23.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 229.737 ug/l

RT: 13.79 min Scan# 1257

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampled :

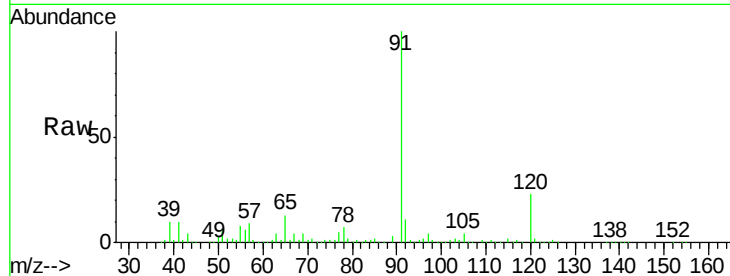
12-B2

Tot Ion: 91 Resp: 5183704

Ion Ratio Lower Upper

91 100

120 23.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VD062139.D (-1246) (-)

Ion 120.05 (119.75 to 120.75): VD062139.D (-1246) (-)

13.79

4000000

3000000

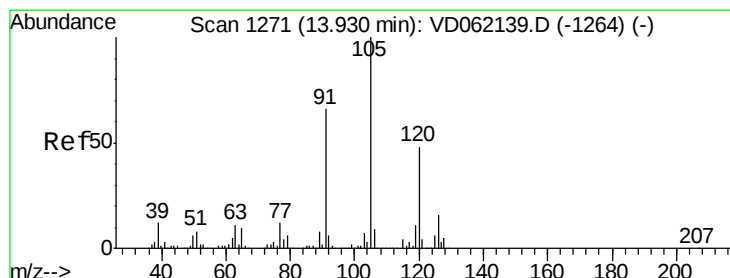
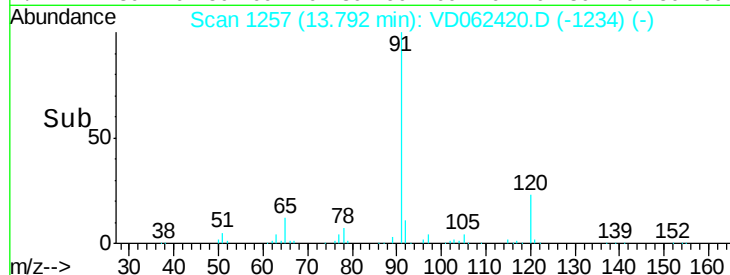
2000000

1000000

0

13.70 13.80 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 6.057 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD062420.D

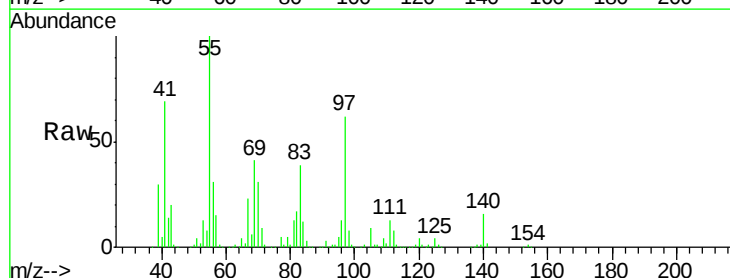
Acq: 16 May 2019 16:28

Tgt Ion: 105 Resp: 96478

Ion Ratio Lower Upper

105 100

120 47.5 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD062139.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062139.D (-1264) (-)

13.95

300000

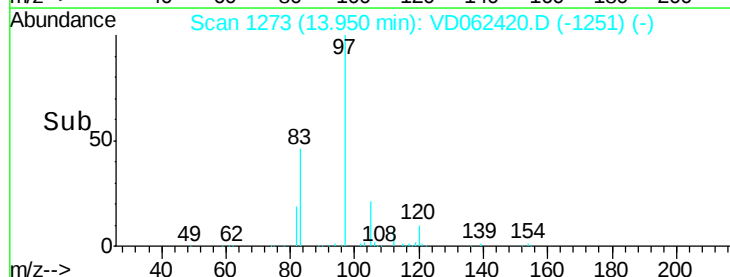
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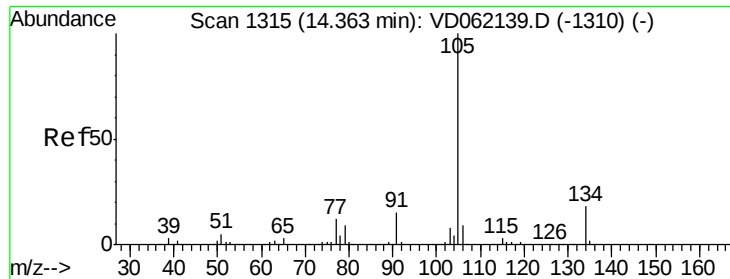
100000

0

13.90 13.95 14.00

Time-->

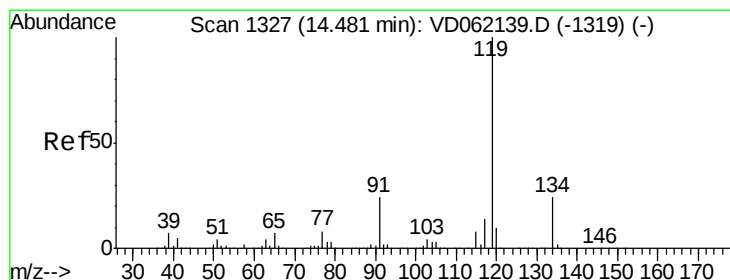
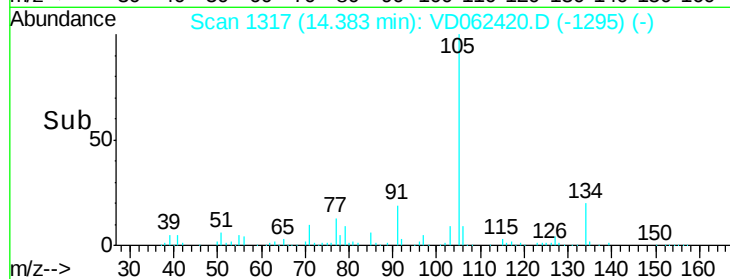
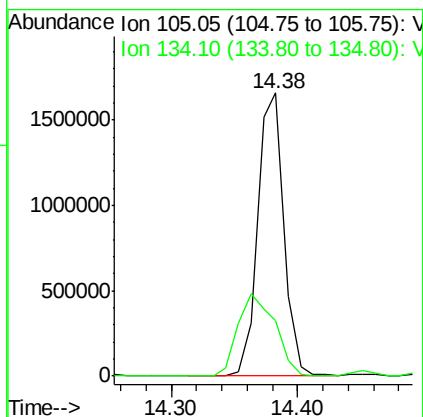
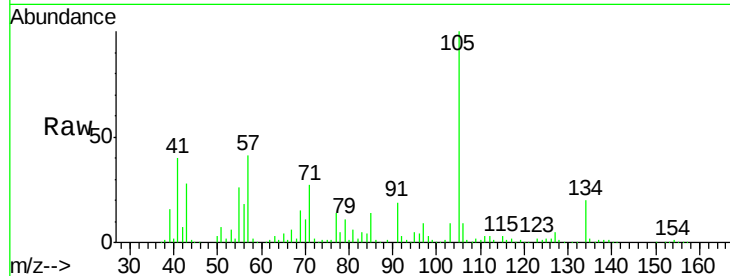




#85
 sec-Butylbenzene
 Concen: 121.818 ug/l
 RT: 14.38 min Scan# 1317
 Delta R.T. 0.02 min
 Lab File: VD062420.D
 Acq: 16 May 2019 16:28

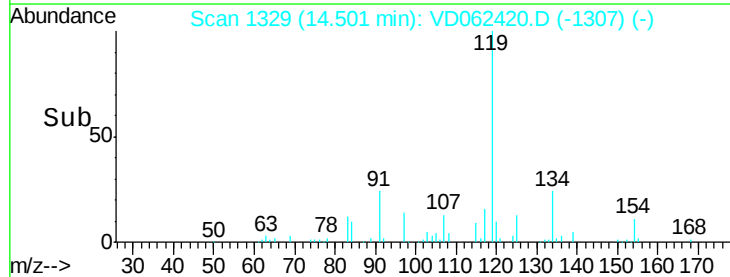
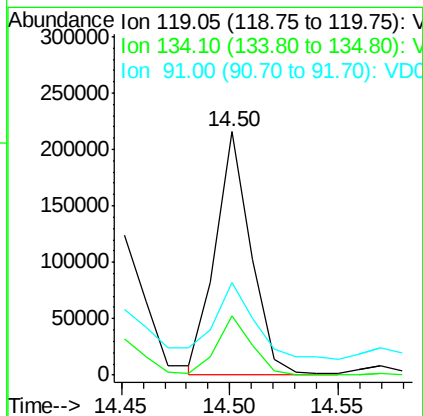
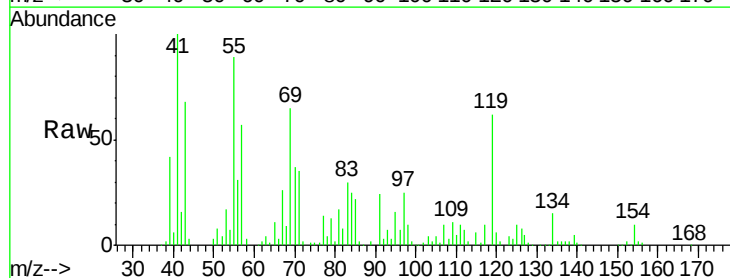
Instrument :
 MSVOA_D
 ClientSampleID :
 12-B2

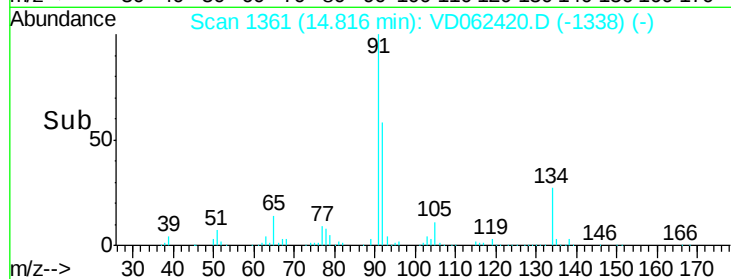
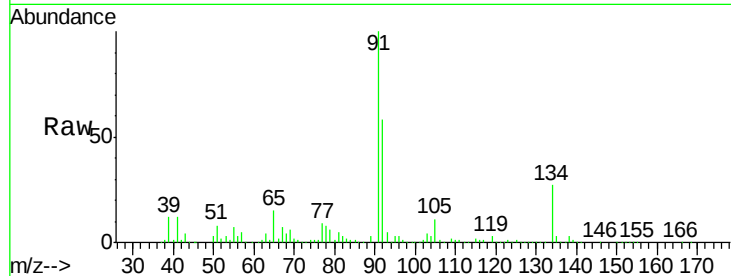
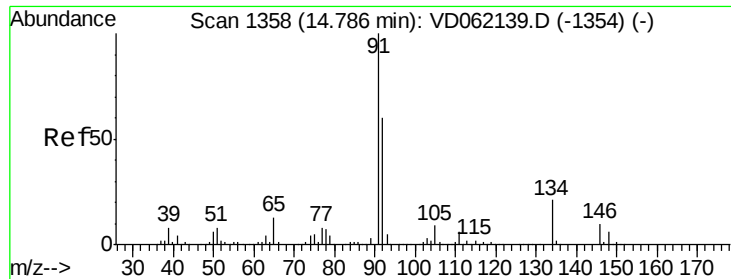
Tot Ion:105 Resp: 2391172
 Ion Ratio Lower Upper
 105 100
 134 19.8 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 13.966 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062420.D
 Acq: 16 May 2019 16:28

Tgt Ion:119 Resp: 244931
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.8 38.3
 91 37.9 10.7 32.1#





#89

n-Butylbenzene

Concen: 310.335 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

12-B2

Tot Ion: 91 Resp: 4885018

Ion Ratio Lower Upper

91 100

92 57.8 30.3 91.0

134 26.7 14.5 43.6

