

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062866.D
 Acq On : 25 Jun 2019 5:43
 Operator : VA/AP
 Sample : K3164-03
 Misc : 5.21g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B05

Quant Time: Jun 25 06:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	343866	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	525032	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	209270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	38019	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	314278	84.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	168.16%	
35) Dibromofluoromethane	6.93	113	317412	71.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	143.40%	
50) Toluene-d8	10.42	98	389315	40.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.82%	
62) 4-Bromofluorobenzene	13.56	95	71153	16.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	32.48%	

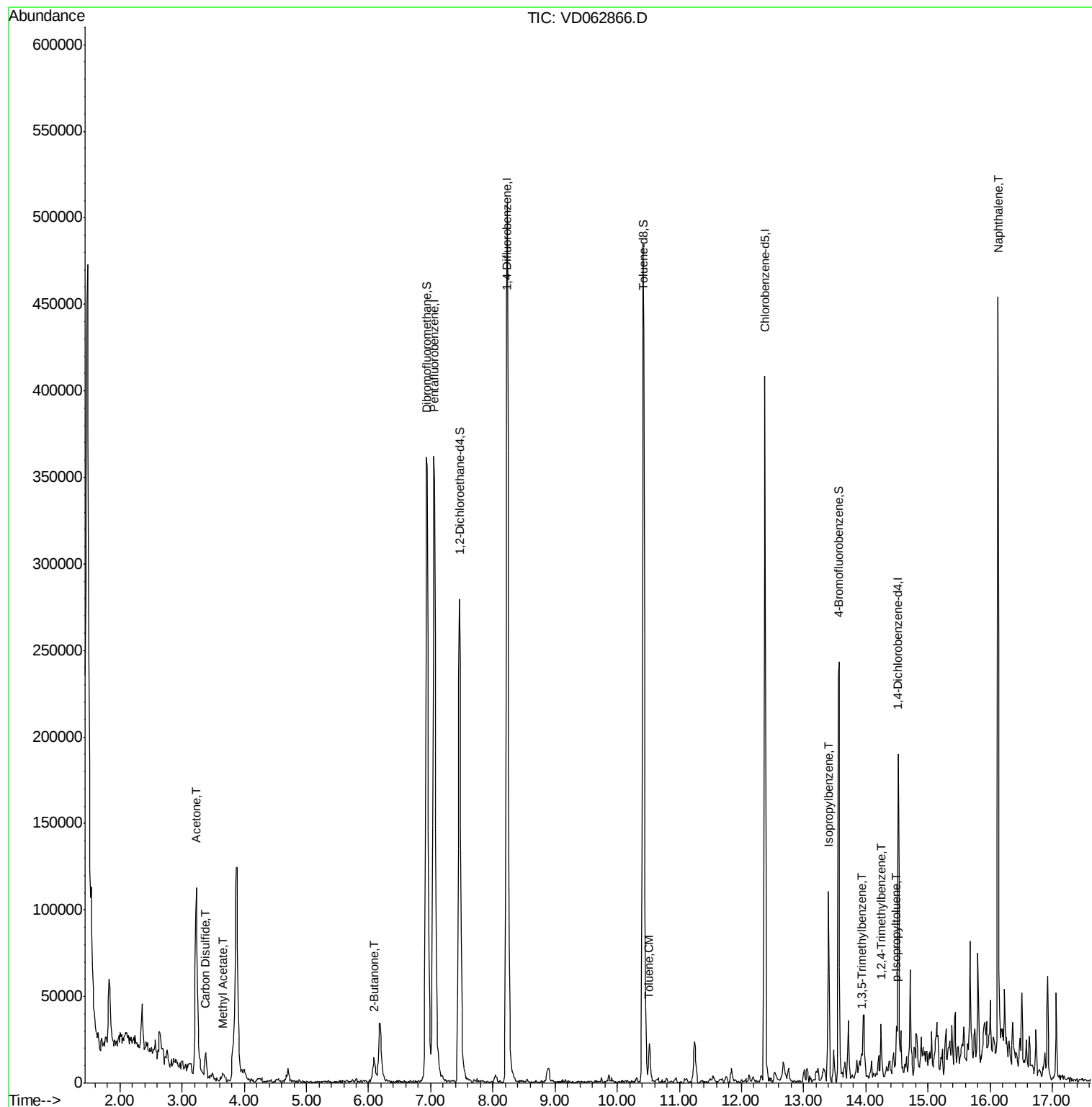
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	224793	297.906	ug/l #	92
17) Carbon Disulfide	3.38	76	26327	3.018	ug/l	96
18) Methyl Acetate	3.65	43	10353	9.175	ug/l #	86
25) 2-Butanone	6.09	43	28623	40.944	ug/l #	87
52) Toluene	10.52	92	7727	1.152	ug/l	78
73) Isopropylbenzene	13.40	105	6177	2.534	ug/l #	72
80) 1,3,5-Trimethylbenzene	13.94	105	5395	2.635	ug/l	80
84) 1,2,4-Trimethylbenzene	14.25	105	12764	6.082	ug/l	93
86) p-Isopropyltoluene	14.49	119	12967	5.714	ug/l	95
95) Naphthalene	16.13	128	246804	224.162	ug/l	99

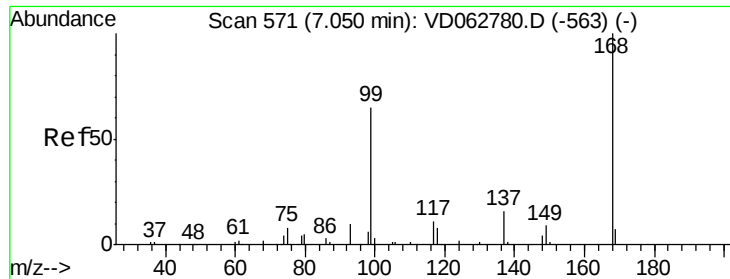
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062866.D
Acq On : 25 Jun 2019 5:43
Operator : VA/AP
Sample : K3164-03
Misc : 5.21a/5ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BAT-B05

Quant Time: Jun 25 06:52:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062866.D

Acq: 25 Jun 2019 5:43

Instrument :

MSVOA_D

ClientSampleId :

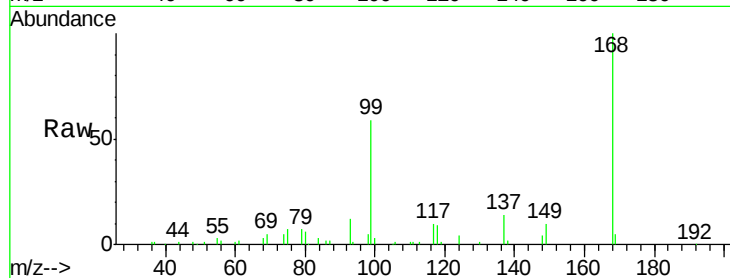
BAT-B05

Tot Ion:168 Resp: 343866

Ion Ratio Lower Upper

168 100

99 58.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

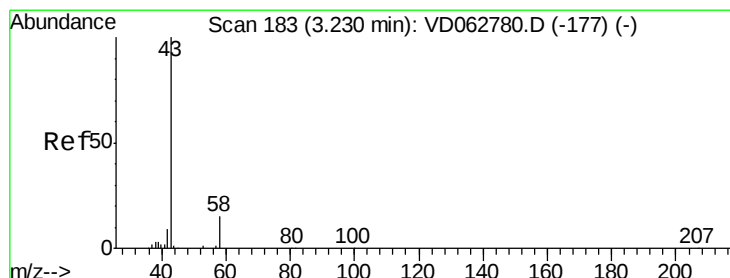
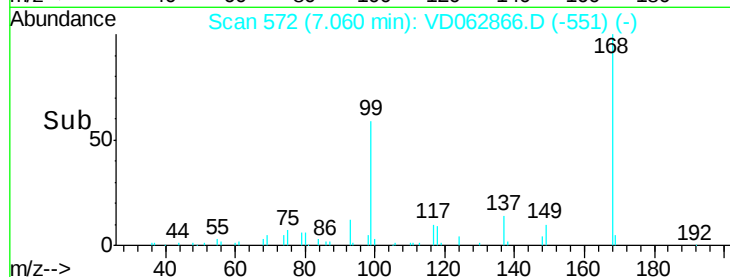
7.06

100000

50000

0

Time-->



#16

Acetone

Concen: 297.906 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062866.D

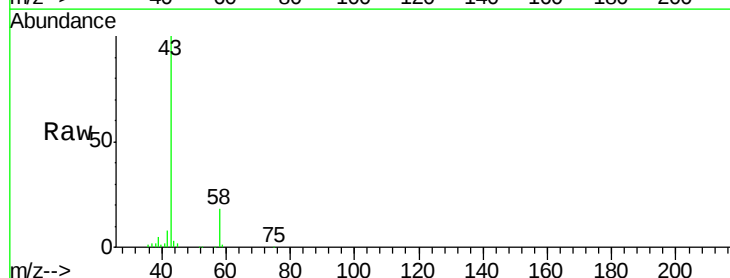
Acq: 25 Jun 2019 5:43

Tgt Ion: 43 Resp: 224793

Ion Ratio Lower Upper

43 100

58 18.1 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

80000

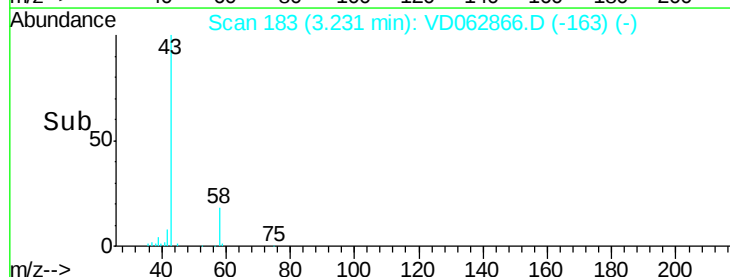
60000

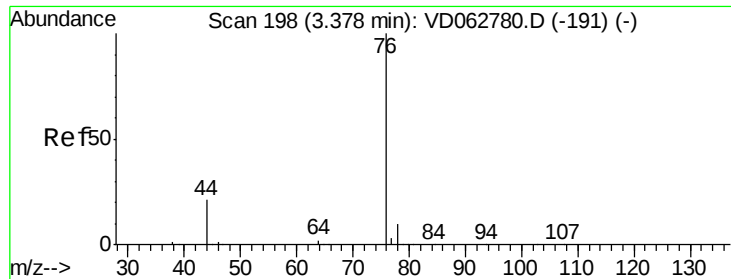
40000

20000

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Time-->

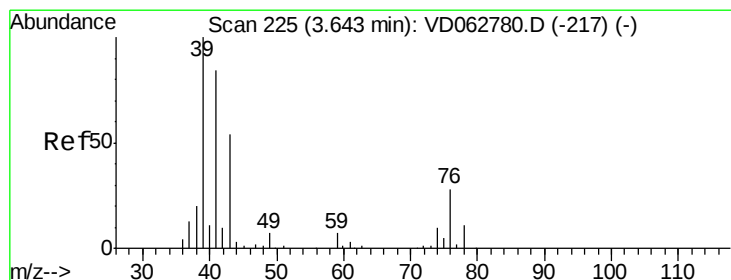
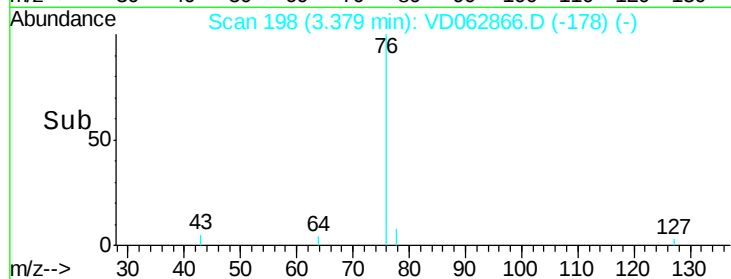
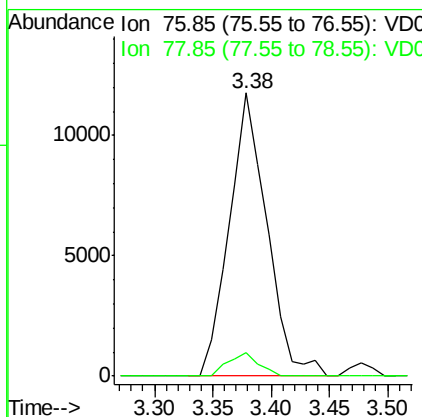
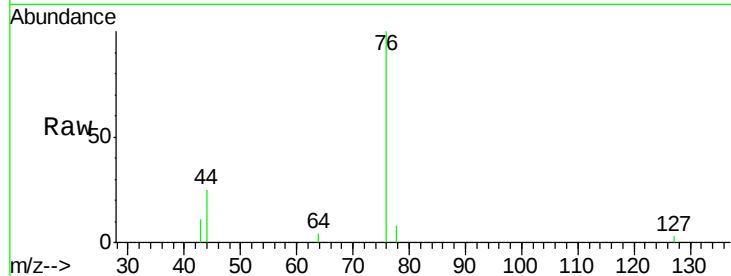




#17
Carbon Disulfide
Concen: 3.018 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD062866.D
Acq: 25 Jun 2019 5:43

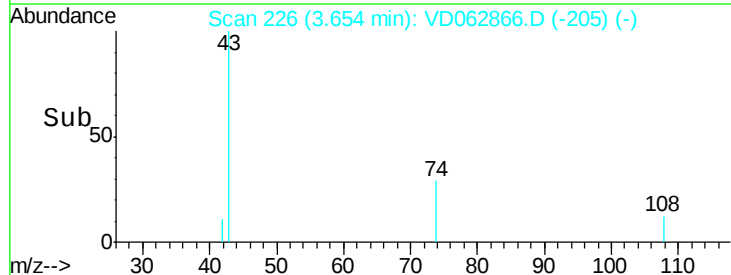
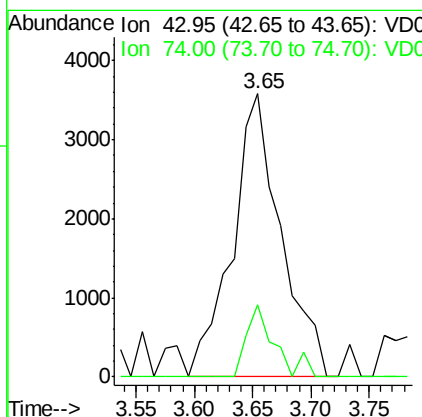
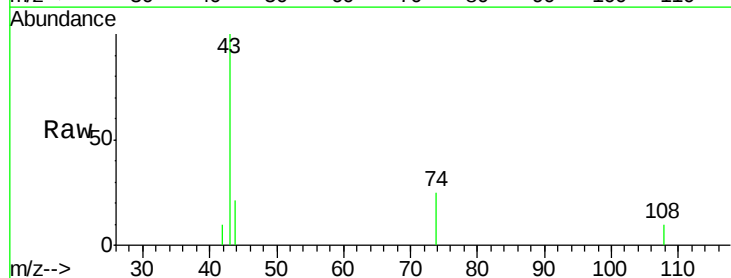
Instrument :
MSVOA_D
ClientSampleId :
BAT-B05

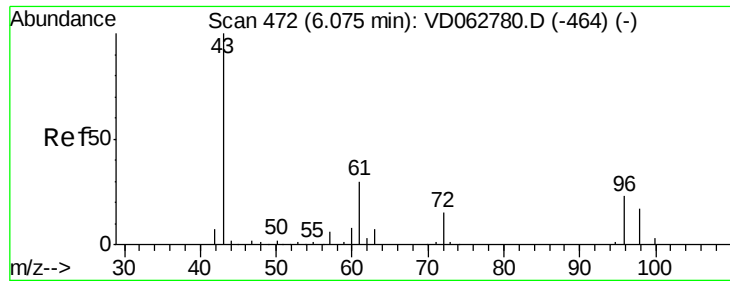
Tot Ion: 76 Resp: 26327
Ion Ratio Lower Upper
76 100
78 8.4 8.0 12.0



#18
Methyl Acetate
Concen: 9.175 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062866.D
Acq: 25 Jun 2019 5:43

Tgt Ion: 43 Resp: 10353
Ion Ratio Lower Upper
43 100
74 25.4 15.2 22.8#





#25

2-Butanone

Concen: 40.944 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062866.D

Acq: 25 Jun 2019 5:43

Instrument :

MSVOA_D

ClientSampleId :

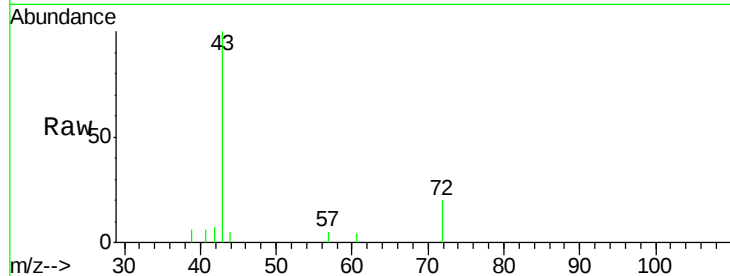
BAT-B05

Tot Ion: 43 Resp: 28623

Ion Ratio Lower Upper

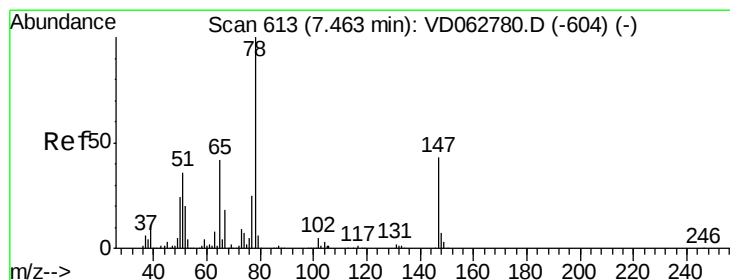
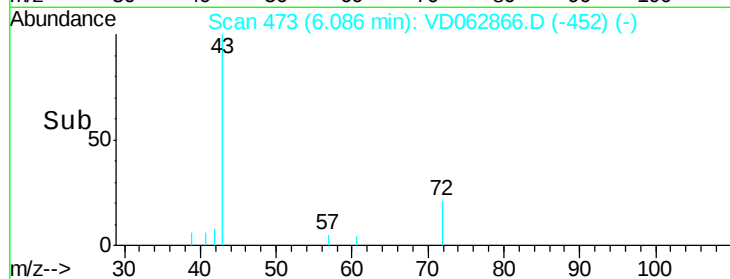
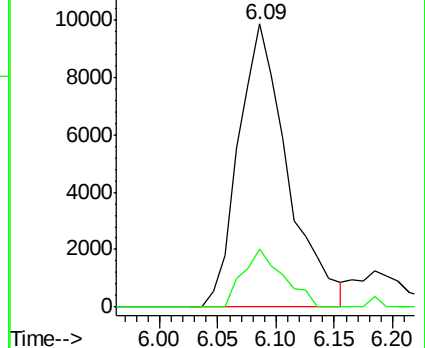
43 100

72 20.4 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 84.082 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062866.D

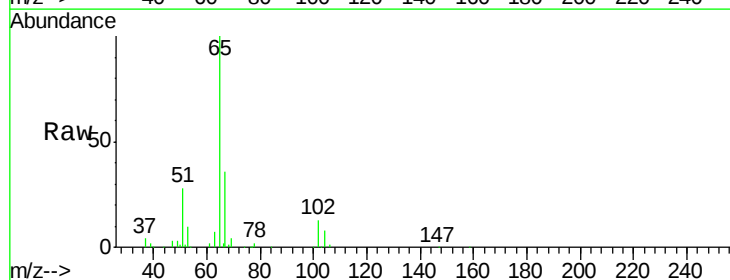
Acq: 25 Jun 2019 5:43

Tgt Ion: 65 Resp: 314278

Ion Ratio Lower Upper

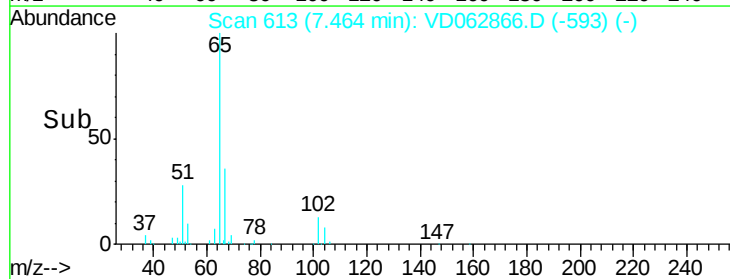
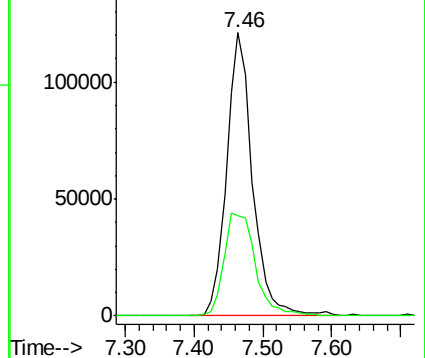
65 100

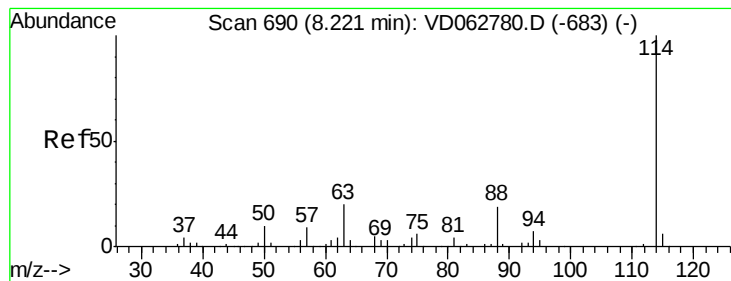
67 35.7 0.0 87.4



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062866.D

Acq: 25 Jun 2019 5:43

Instrument :

MSVOA_D

ClientSampleId :

BAT-B05

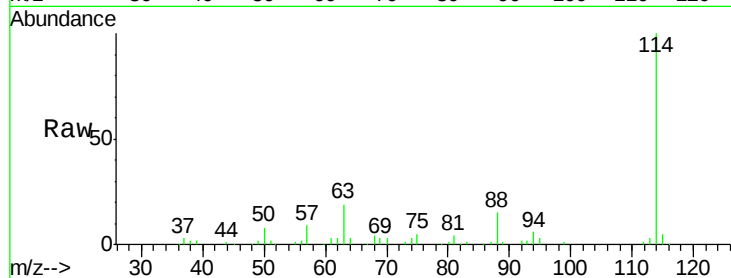
Tot Ion:114 Resp: 525032

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

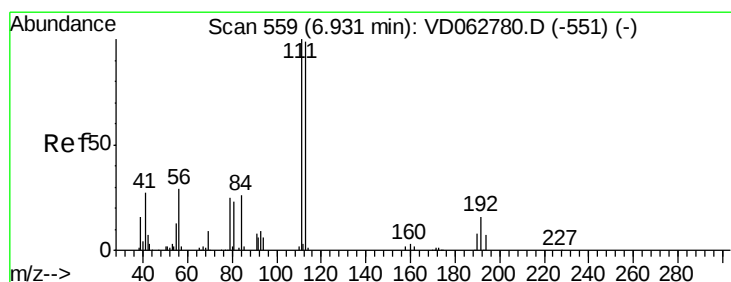
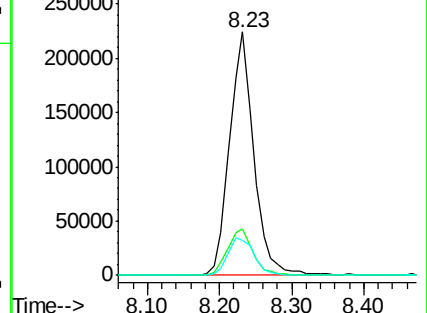
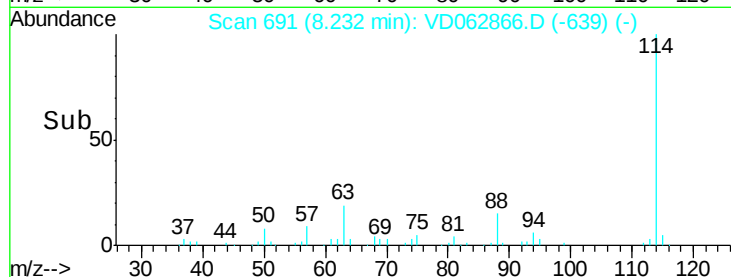
88 14.6 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 71.698 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062866.D

Acq: 25 Jun 2019 5:43

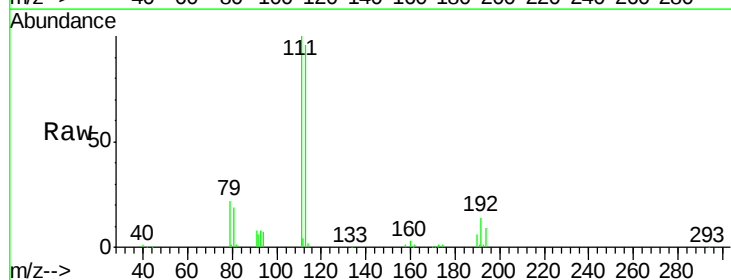
Tgt Ion:113 Resp: 317412

Ion Ratio Lower Upper

113 100

111 103.8 81.2 121.8

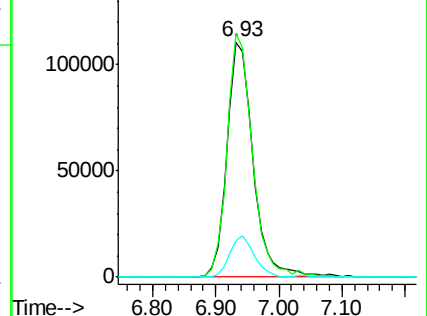
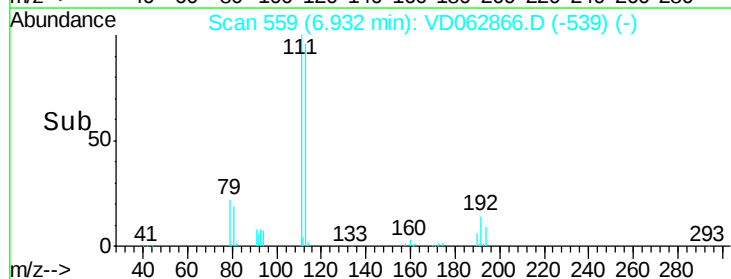
192 15.5 12.9 19.3

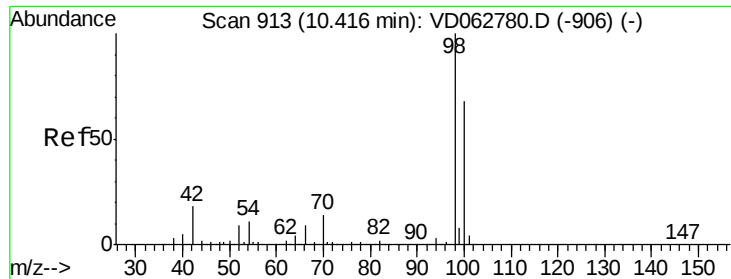


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 40.405 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062866.D

Acq: 25 Jun 2019 5:43

Instrument :

MSVOA_D

ClientSampleId :

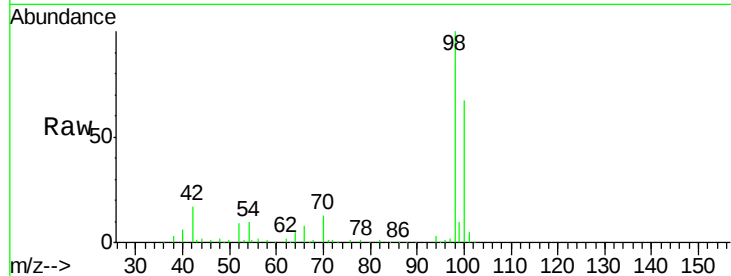
BAT-B05

Tot Ion: 98 Resp: 389315

Ion Ratio Lower Upper

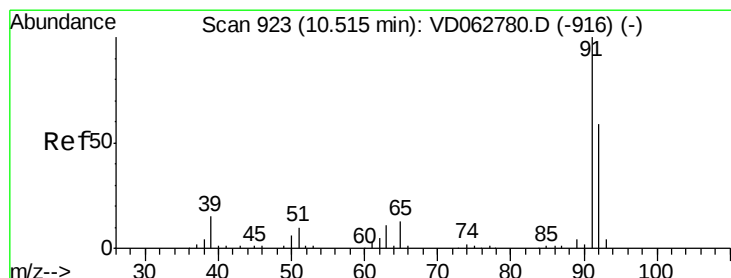
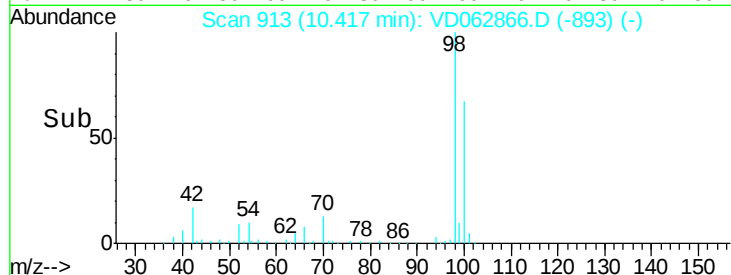
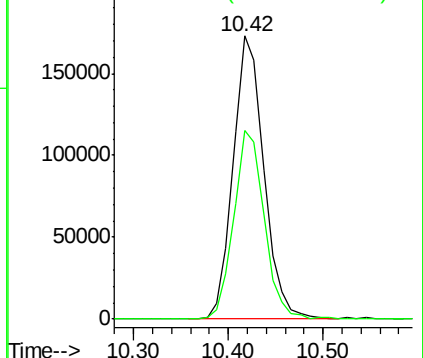
98 100

100 66.8 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 1.152 ug/l

RT: 10.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062866.D

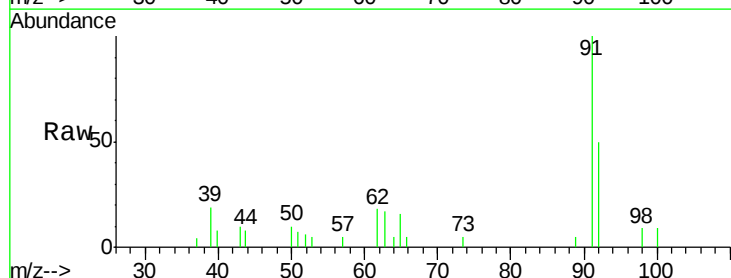
Acq: 25 Jun 2019 5:43

Tgt Ion: 92 Resp: 7727

Ion Ratio Lower Upper

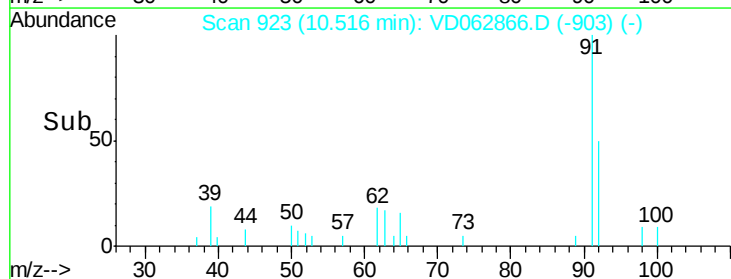
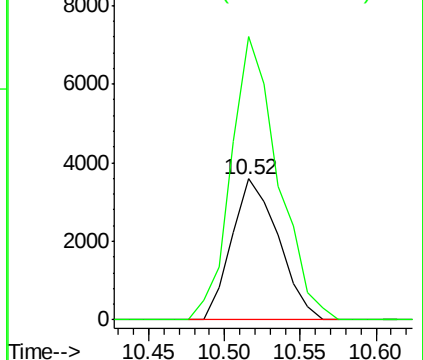
92 100

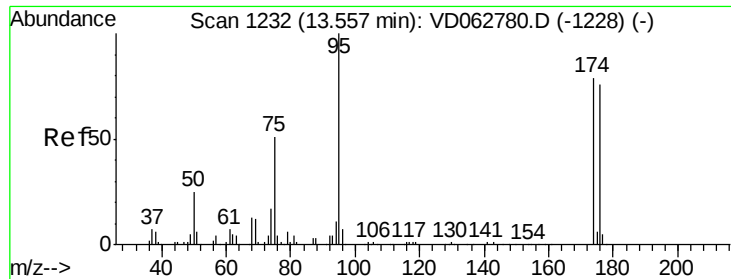
91 201.1 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

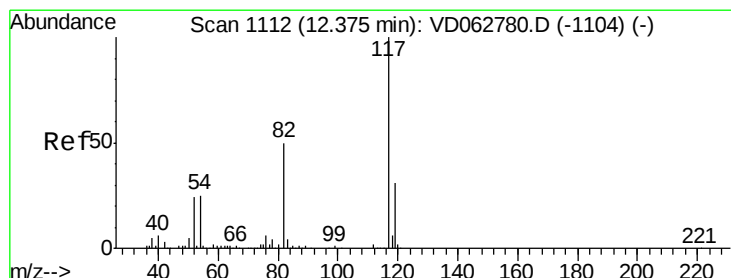
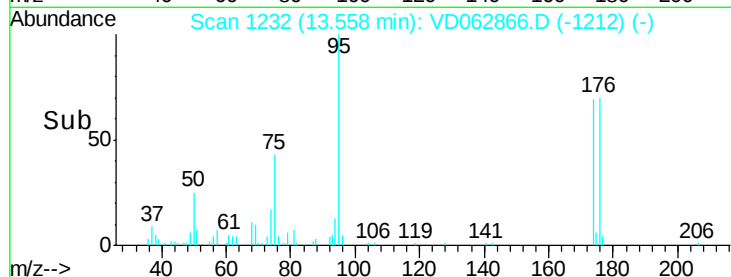
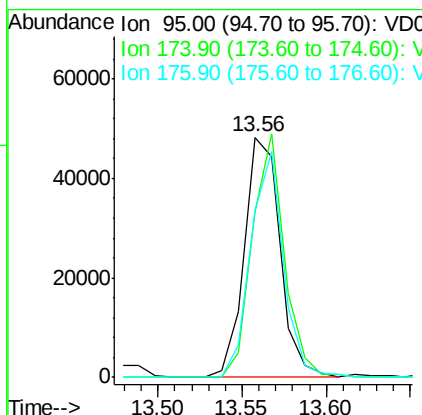
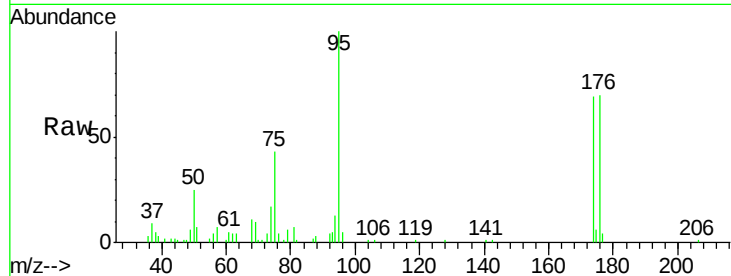




#62
4-Bromofluorobenzene
Concen: 16.240 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062866.D
Acq: 25 Jun 2019 5:43

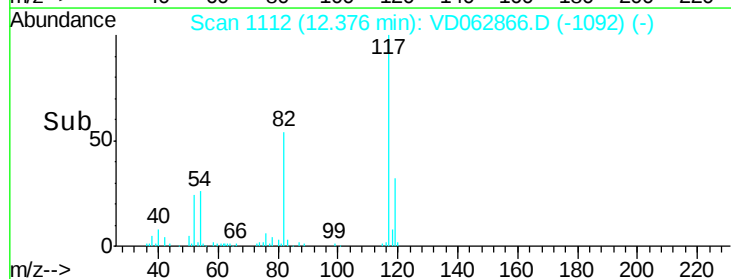
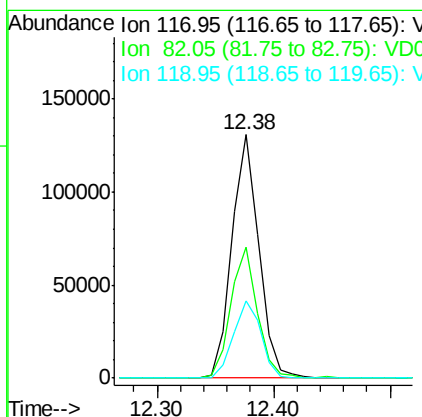
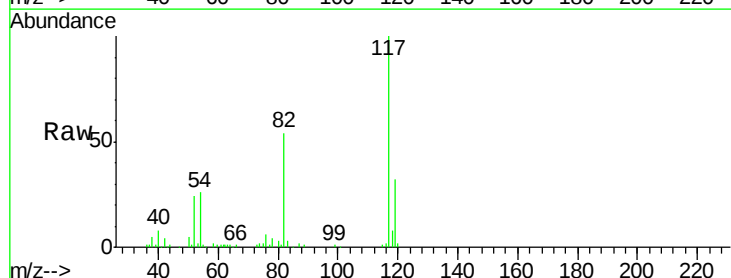
Instrument :
MSVOA_D
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BAT-B05

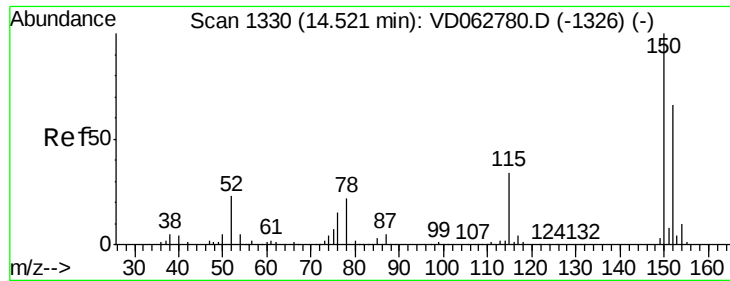
Tot Ion: 95 Resp: 71153
Ion Ratio Lower Upper
95 100
174 68.9 0.0 158.0
176 69.5 0.0 151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062866.D
Acq: 25 Jun 2019 5:43

Tgt Ion: 117 Resp: 209270
Ion Ratio Lower Upper
117 100
82 53.7 40.4 60.6
119 31.7 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062866.D

Acq: 25 Jun 2019 5:43

Instrument :

MSVOA_D

ClientSampleId :

BAT-B05

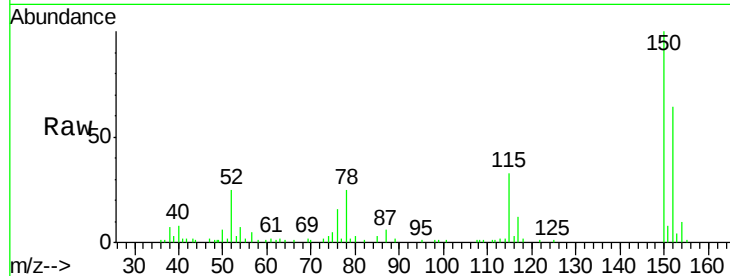
Tot Ion:152 Resp: 38019

Ion Ratio Lower Upper

152 100

115 50.9 29.2 87.6

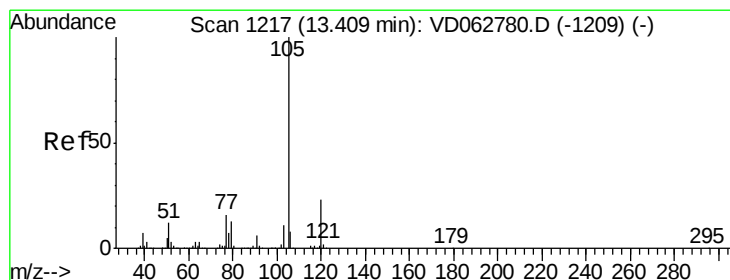
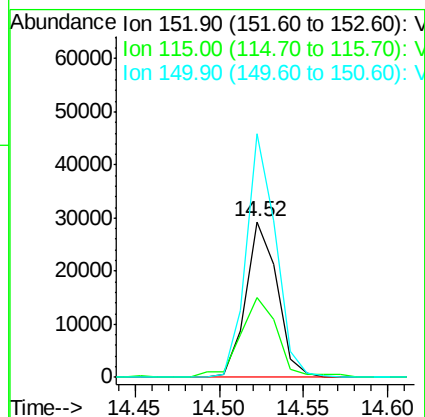
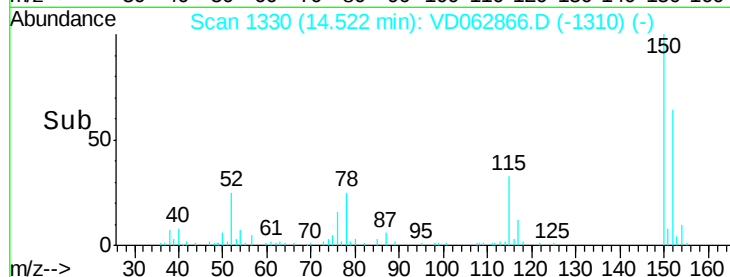
150 156.6 0.0 305.8



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: 2.534 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062866.D

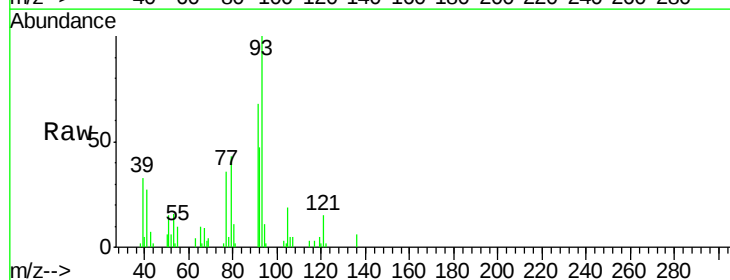
Acq: 25 Jun 2019 5:43

Tgt Ion:105 Resp: 6177

Ion Ratio Lower Upper

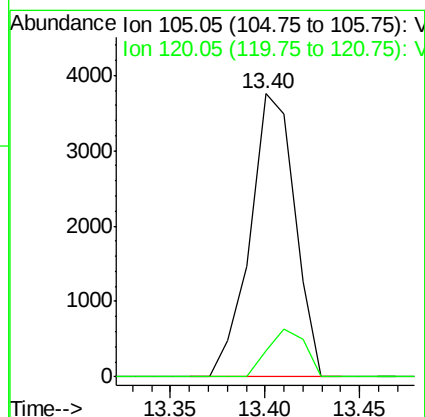
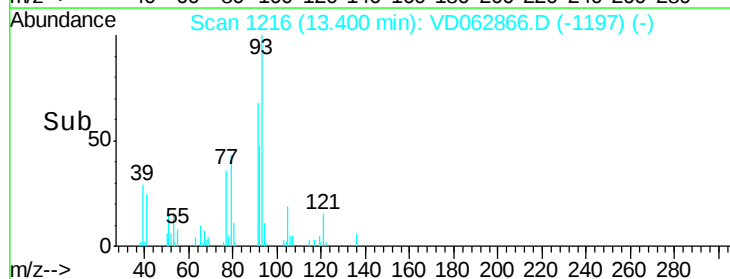
105 100

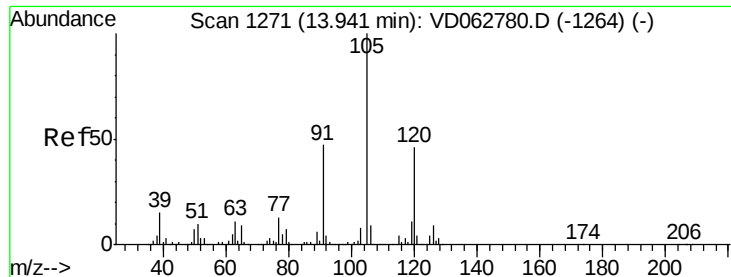
120 9.4 11.6 34.7#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

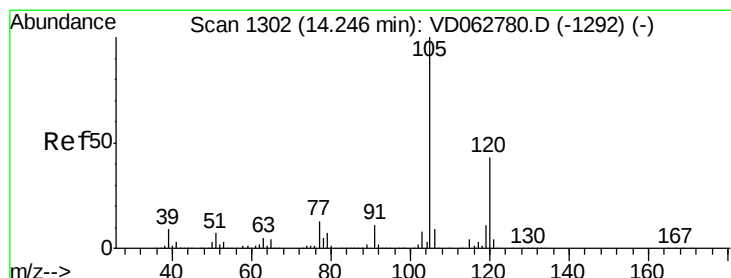
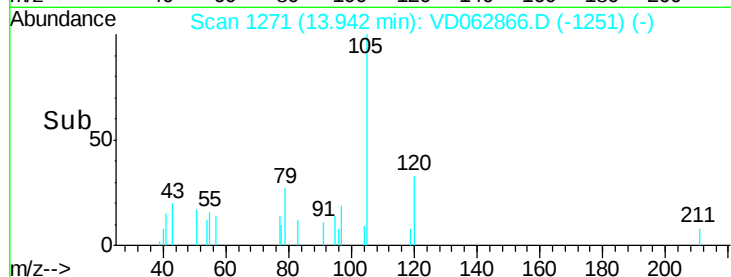
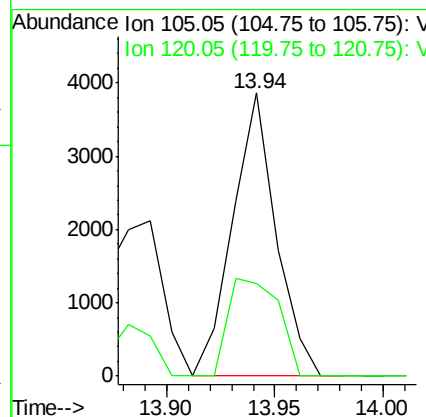
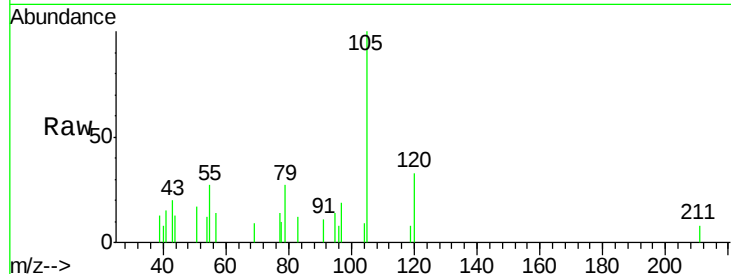




#80
 1,3,5-Trimethylbenzene
 Concen: 2.635 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062866.D
 Acq: 25 Jun 2019 5:43

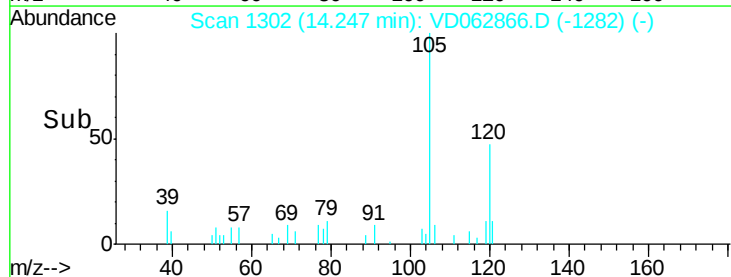
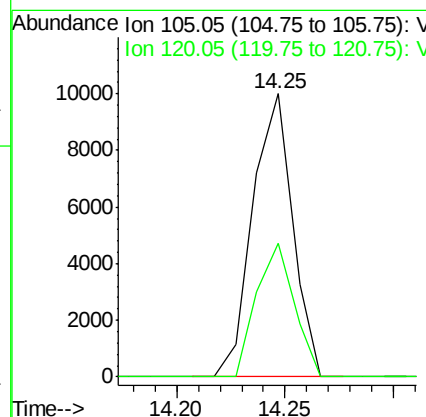
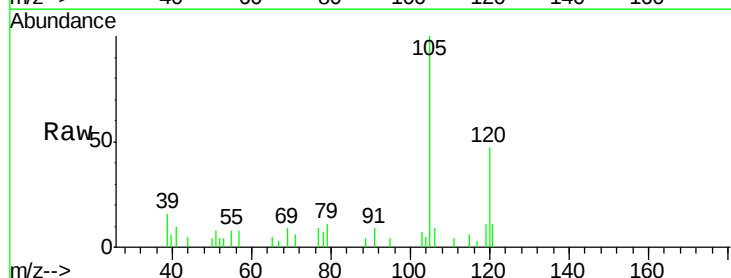
Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B05

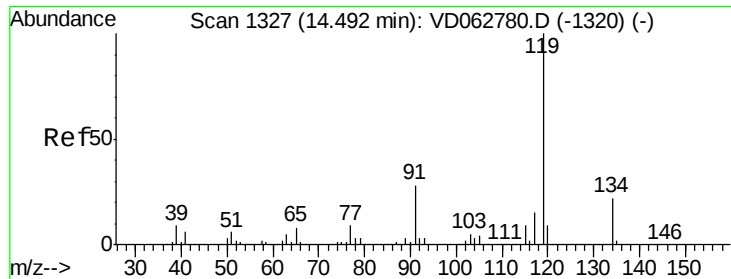
Tot Ion:105 Resp: 5395
 Ion Ratio Lower Upper
 105 100
 120 32.8 23.1 69.2



#84
 1,2,4-Trimethylbenzene
 Concen: 6.082 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062866.D
 Acq: 25 Jun 2019 5:43

Tgt Ion:105 Resp: 12764
 Ion Ratio Lower Upper
 105 100
 120 47.2 21.3 63.9

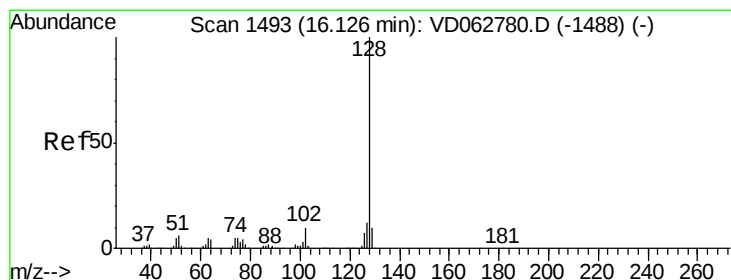
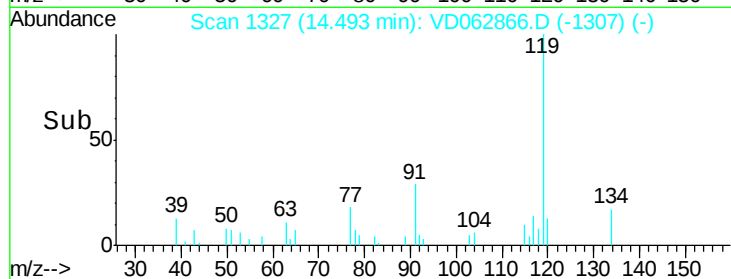
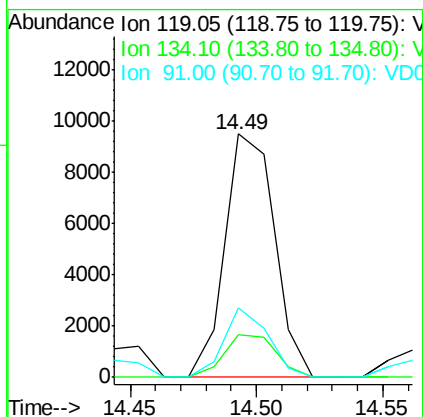
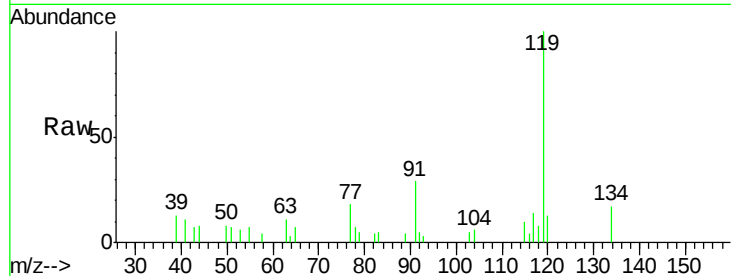




#86
p-Isopropyltoluene
Concen: 5.714 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. 0.00 min
Lab File: VD062866.D
Acq: 25 Jun 2019 5:43

Instrument :
MSVOA_D
ClientSampleId :
BAT-B05

Tot Ion	Ratio	Lower	Upper
119	100		
134	17.4	11.1	33.1
91	28.6	14.0	41.9



#95
Naphthalene
Concen: 224.162 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062866.D
Acq: 25 Jun 2019 5:43

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.7	14.5
129	10.2	8.3	12.5

