

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062883.D
 Acq On : 25 Jun 2019 17:04
 Operator : VA/AP
 Sample : K3164-03RE
 Misc : 5.29g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B05RE

Quant Time: Jun 26 06:45:39 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	520976	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	767230	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	340690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	62559	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	392509	69.31	ug/l	0.00
Spiked Amount			Recovery	=	138.62%	
35) Dibromofluoromethane	6.93	113	240076	37.11	ug/l	0.00
Spiked Amount			Recovery	=	74.22%	
50) Toluene-d8	10.42	98	471905	33.52	ug/l	0.00
Spiked Amount			Recovery	=	67.04%	
62) 4-Bromofluorobenzene	13.56	95	97069	15.16	ug/l	0.00
Spiked Amount			Recovery	=	30.32%	

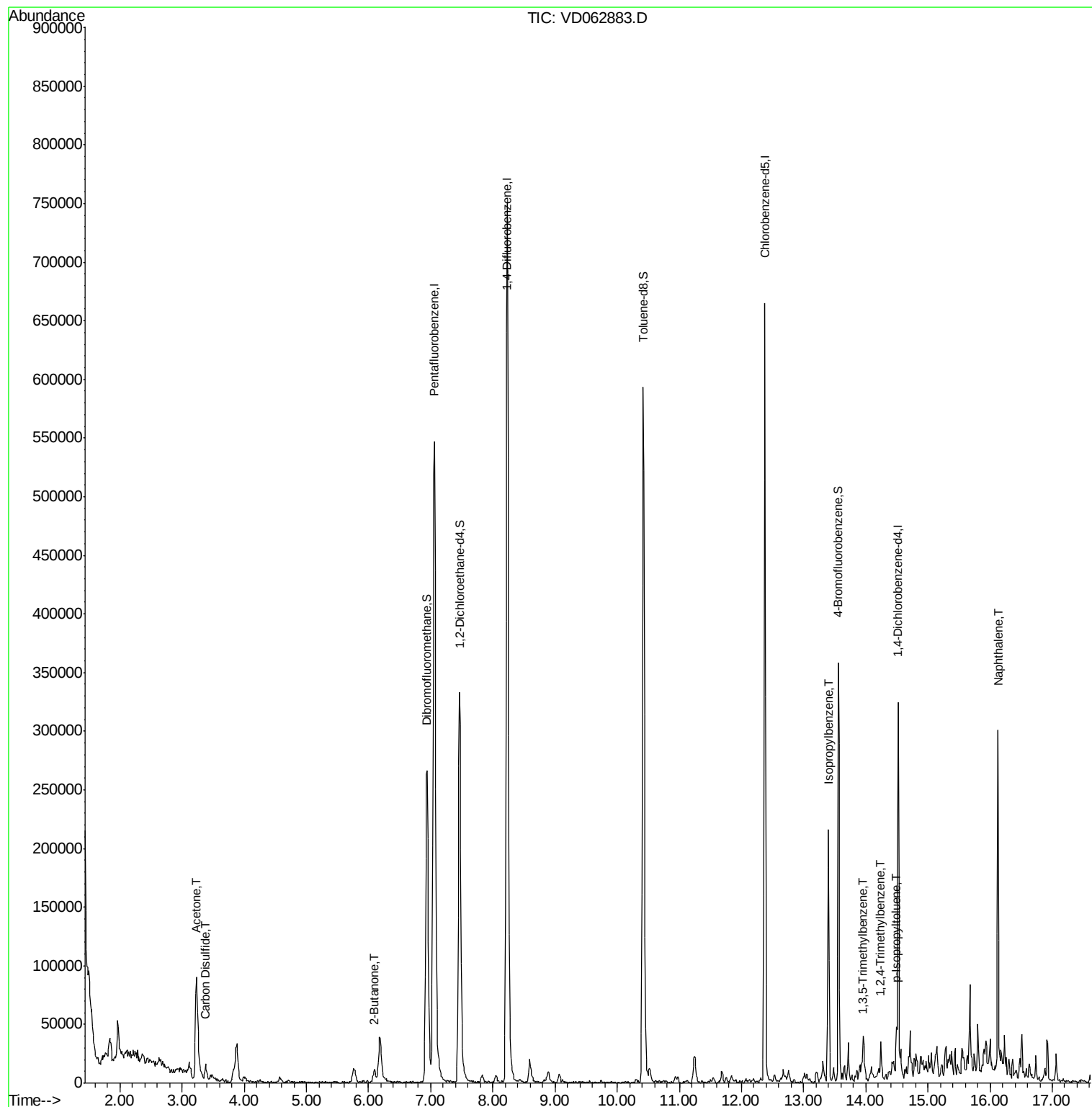
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	200995	172.864	ug/l	97
17) Carbon Disulfide	3.38	76	20774	1.572	ug/l	100
25) 2-Butanone	6.10	43	23034	21.748	ug/l #	70
73) Isopropylbenzene	13.40	105	9369	2.336	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	3978	1.181	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	14474	4.191	ug/l	81
86) p-Isopropyltoluene	14.49	119	18146	4.859	ug/l	95
95) Naphthalene	16.13	128	155285	85.714	ug/l	99

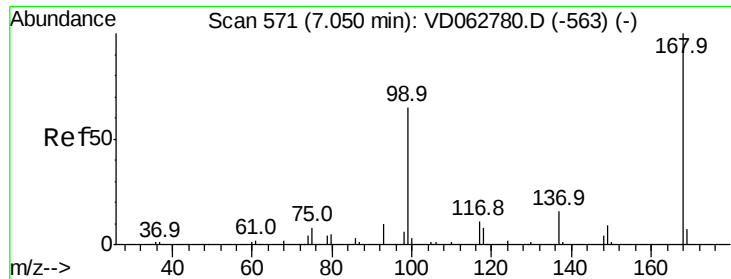
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD062883.D

Acq: 25 Jun 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

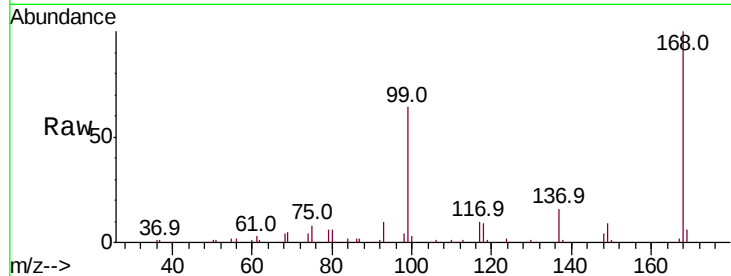
BAT-B05RE

Tot Ion:168 Resp: 520976

Ion Ratio Lower Upper

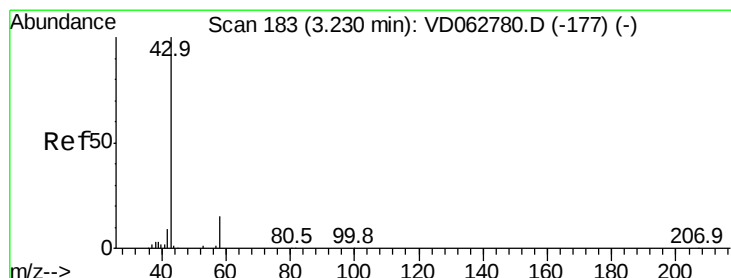
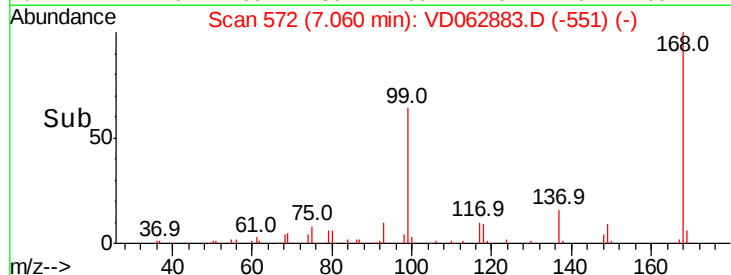
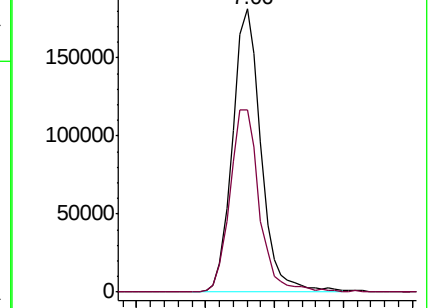
168 100

99 64.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 172.864 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062883.D

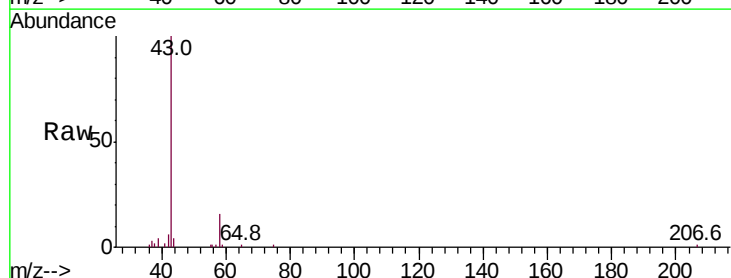
Acq: 25 Jun 2019 17:04

Tgt Ion: 43 Resp: 200995

Ion Ratio Lower Upper

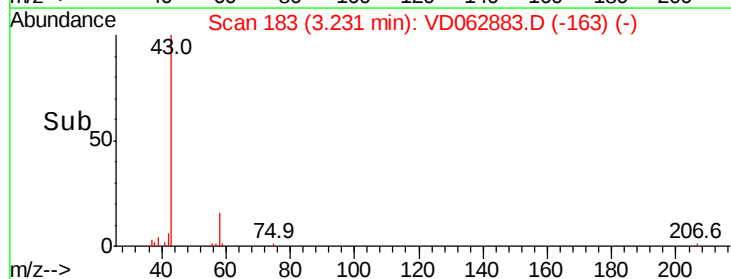
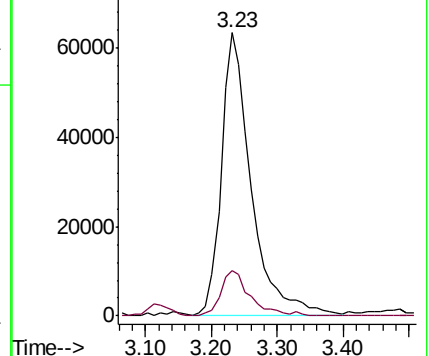
43 100

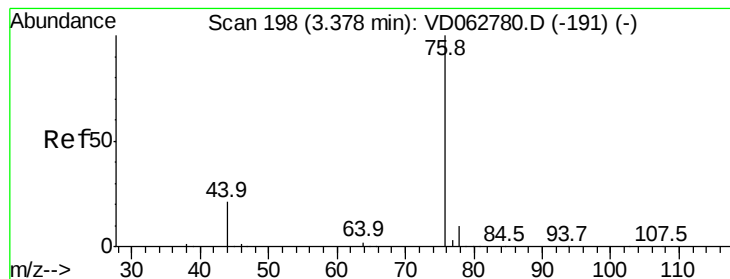
58 16.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 1.572 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD062883.D

Acq: 25 Jun 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

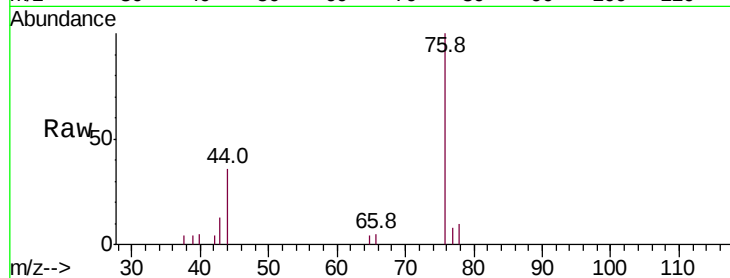
BAT-B05RE

Tot Ion: 76 Resp: 20774

Ion Ratio Lower Upper

76 100

78 10.1 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

8000

6000

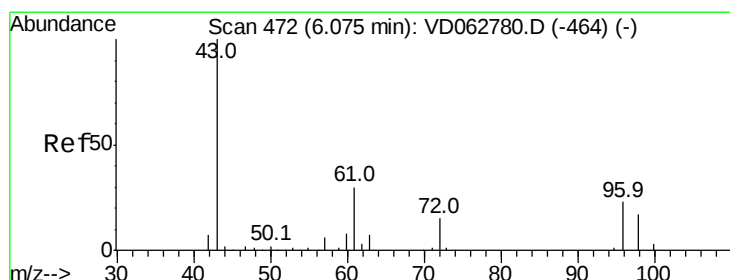
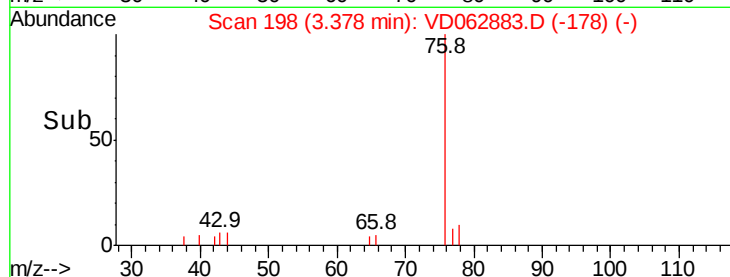
4000

2000

0

Time-->

3.30 3.35 3.40 3.45 3.50



#25

2-Butanone

Concen: 21.748 ug/l

RT: 6.10 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD062883.D

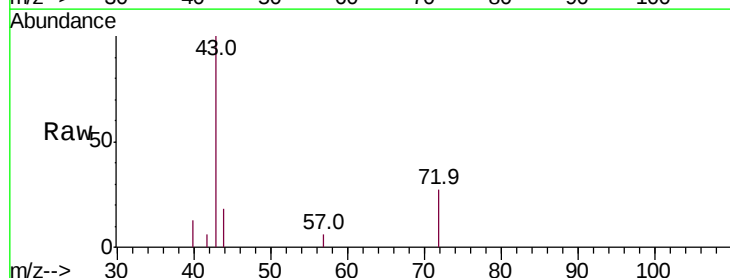
Acq: 25 Jun 2019 17:04

Tgt Ion: 43 Resp: 23034

Ion Ratio Lower Upper

43 100

72 27.2 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.10

8000

6000

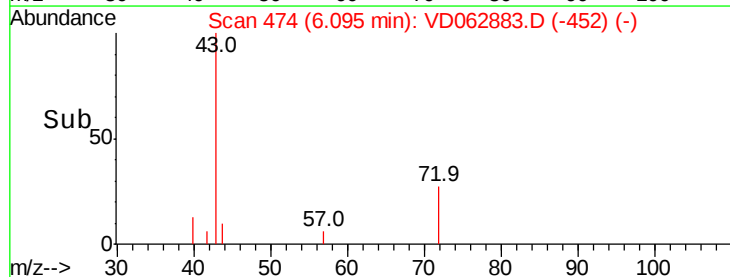
4000

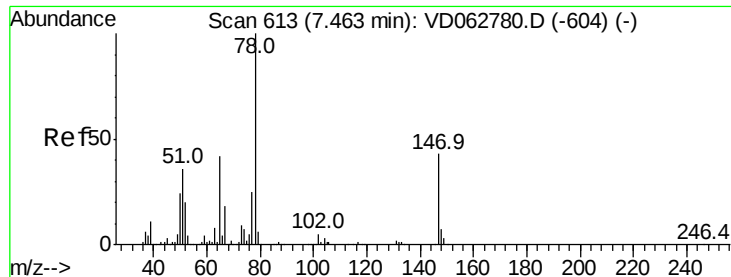
2000

0

Time-->

6.00 6.10 6.20





#33

1,2-Dichloroethane-d4

Concen: 69.312 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062883.D

Acq: 25 Jun 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

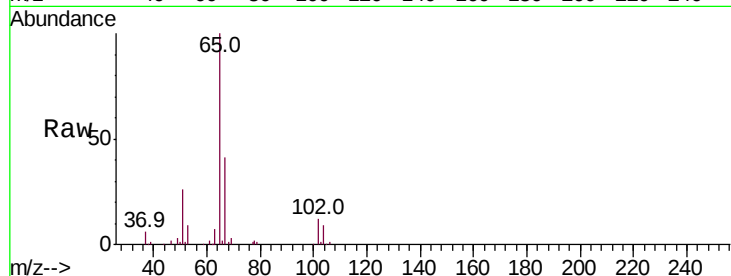
BAT-B05RE

Tot Ion: 65 Resp: 392509

Ion Ratio Lower Upper

65 100

67 40.8 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

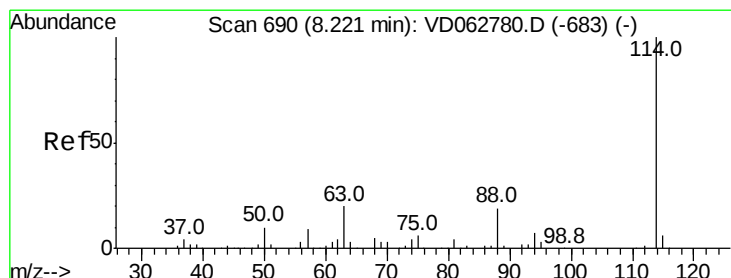
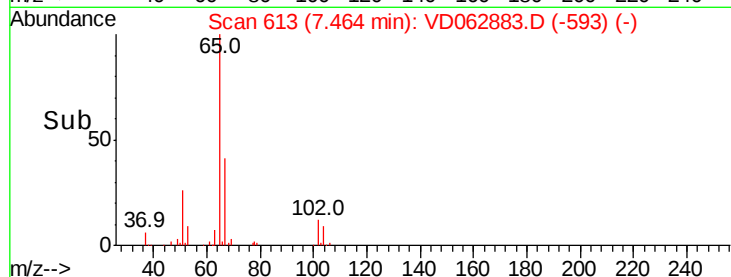
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062883.D

Acq: 25 Jun 2019 17:04

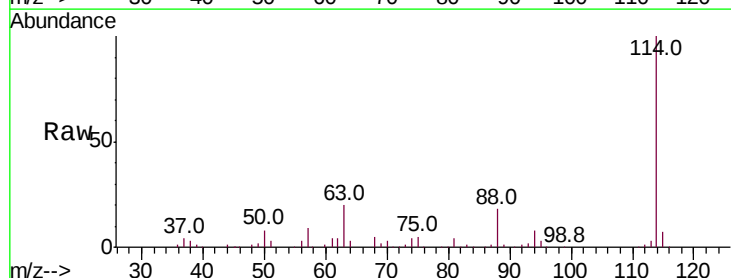
Tgt Ion: 114 Resp: 767230

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 18.4 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

400000

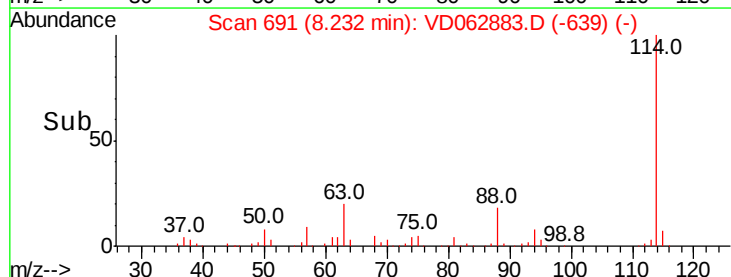
300000

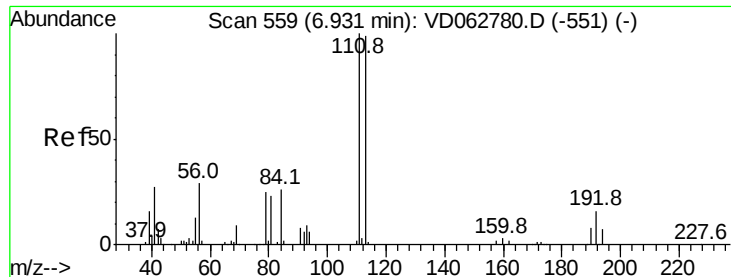
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 37.110 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062883.D

Acq: 25 Jun 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

BAT-B05RE

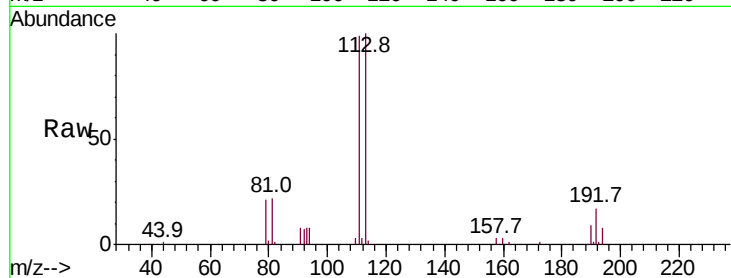
Tot Ion:113 Resp: 240076

Ion Ratio Lower Upper

113 100

111 98.8 81.2 121.8

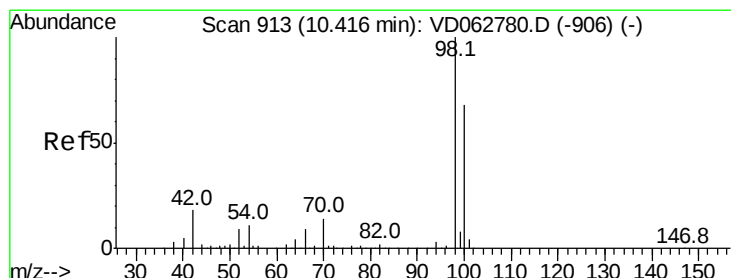
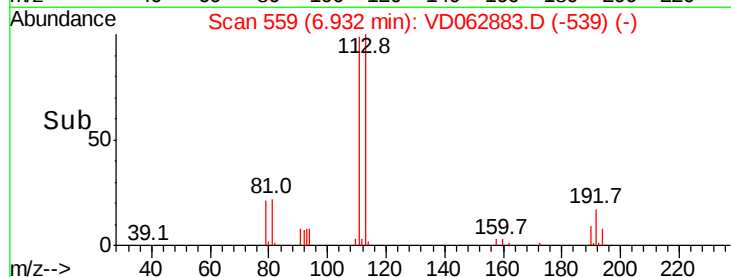
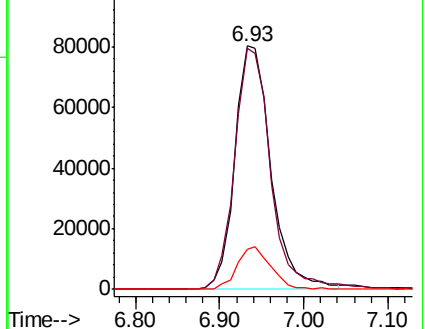
192 16.5 12.9 19.3



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: 33.516 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062883.D

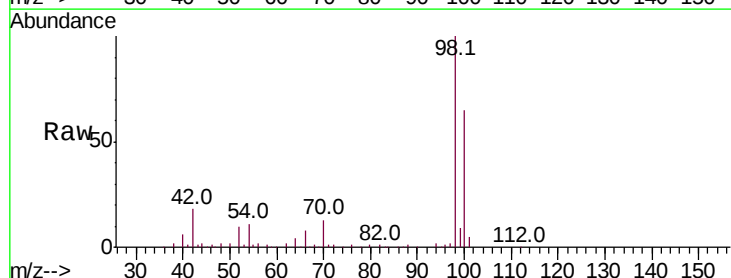
Acq: 25 Jun 2019 17:04

Tgt Ion: 98 Resp: 471905

Ion Ratio Lower Upper

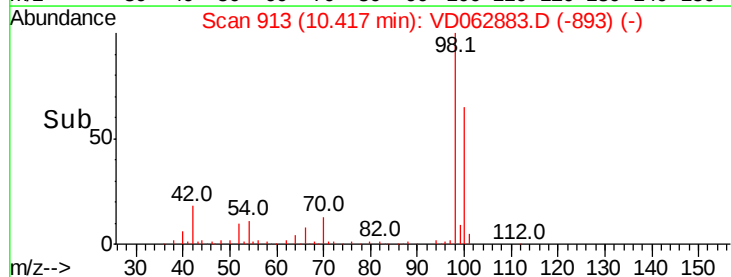
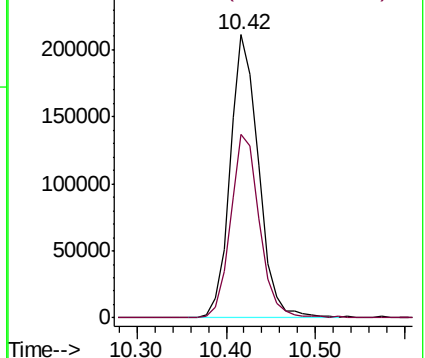
98 100

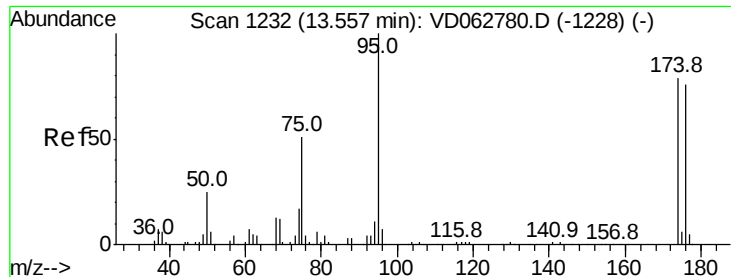
100 64.9 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 15.162 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062883.D

Acq: 25 Jun 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

BAT-B05RE

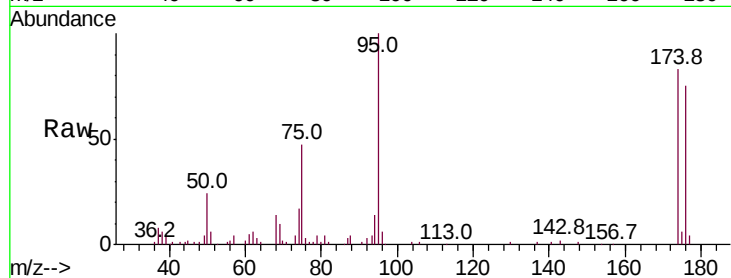
Tot Ion: 95 Resp: 97069

Ion Ratio Lower Upper

95 100

174 82.8 0.0 158.0

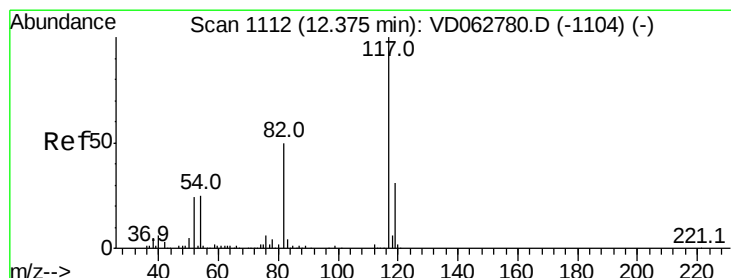
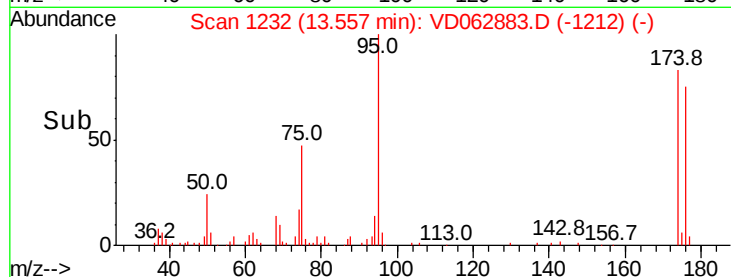
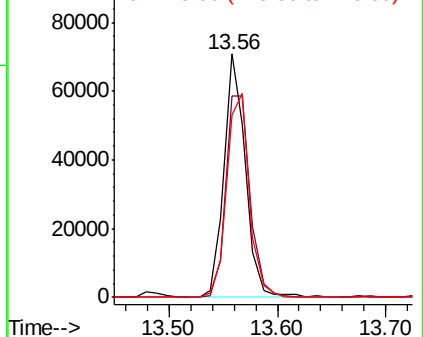
176 74.8 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.38 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD062883.D

Acq: 25 Jun 2019 17:04

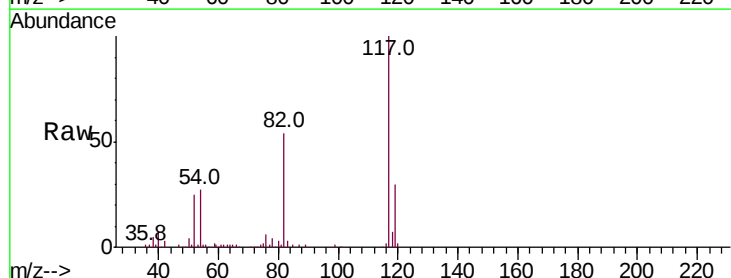
Tgt Ion: 117 Resp: 340690

Ion Ratio Lower Upper

117 100

82 54.0 40.4 60.6

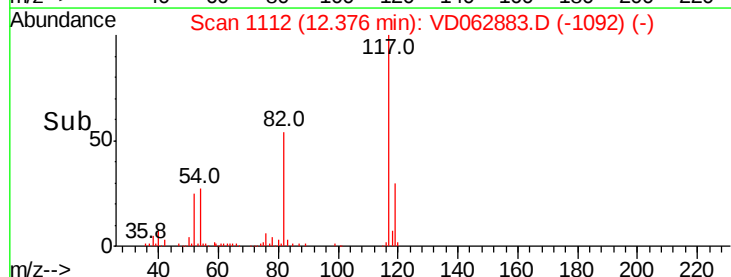
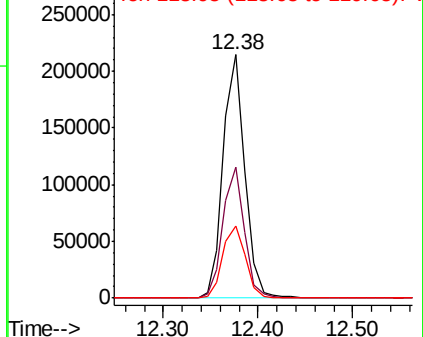
119 29.8 25.2 37.8

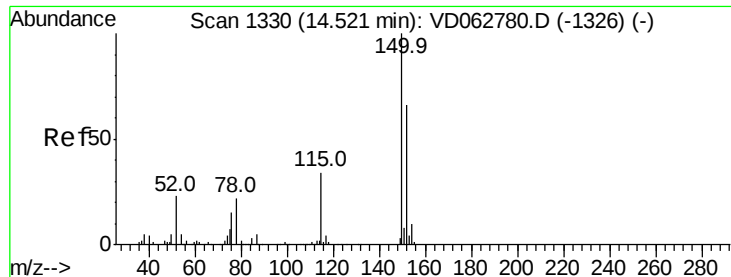


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062883.D

Acq: 25 Jun 2019 17:04

Instrument :

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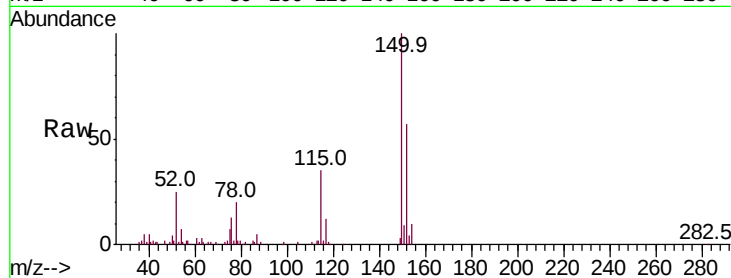
Tot Ion:152 Resp: 62559

Ion Ratio Lower Upper

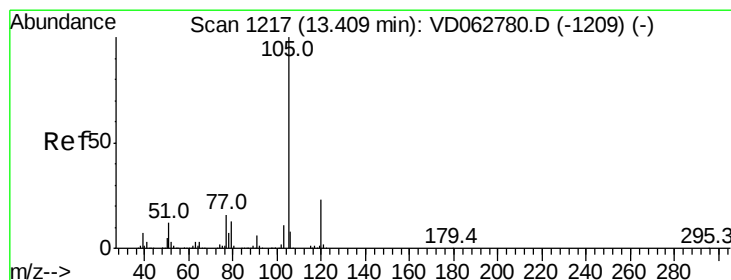
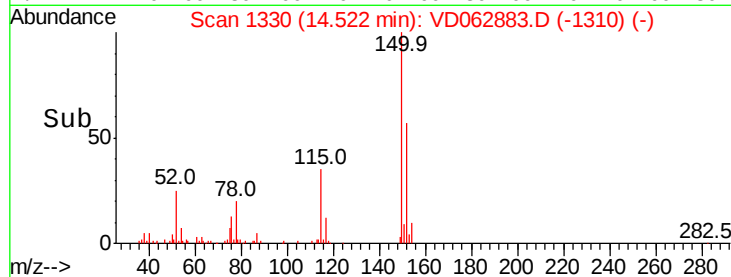
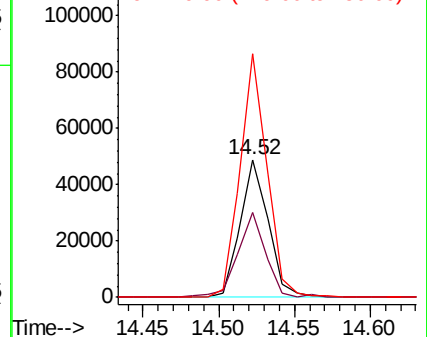
152 100

115 62.0 29.2 87.6

150 176.9 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: 2.336 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062883.D

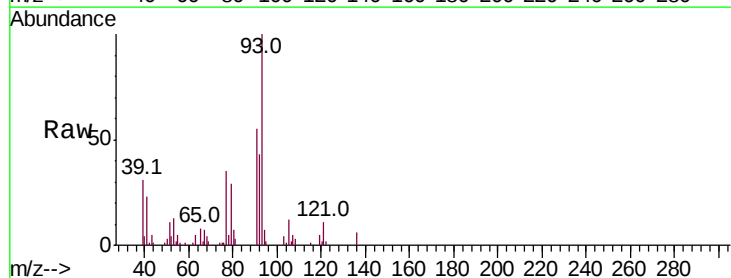
Acq: 25 Jun 2019 17:04

Tgt Ion:105 Resp: 9369

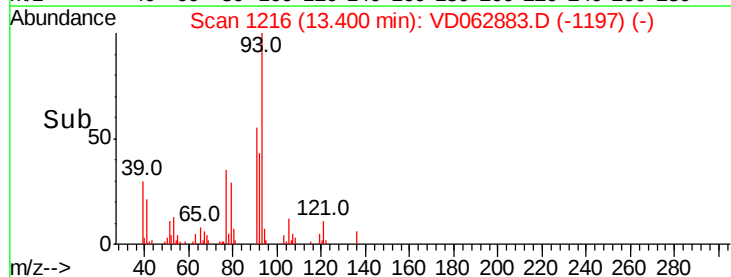
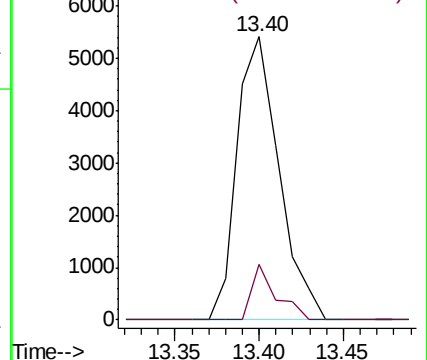
Ion Ratio Lower Upper

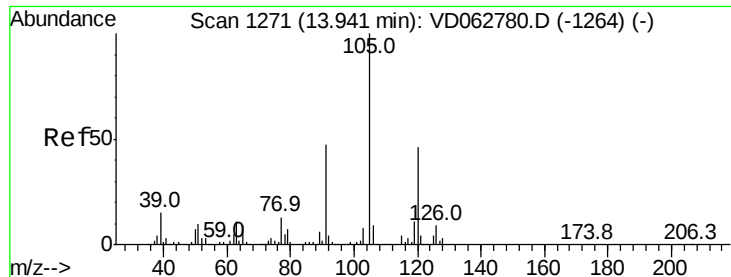
105 100

120 19.6 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: 1.181 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062883.D

Acq: 25 Jun 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

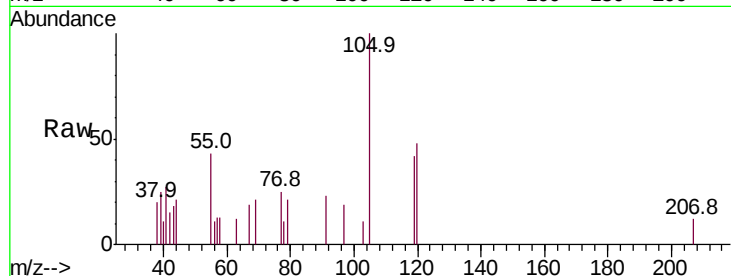
BAT-B05RE

Tot Ion:105 Resp: 3978

Ion Ratio Lower Upper

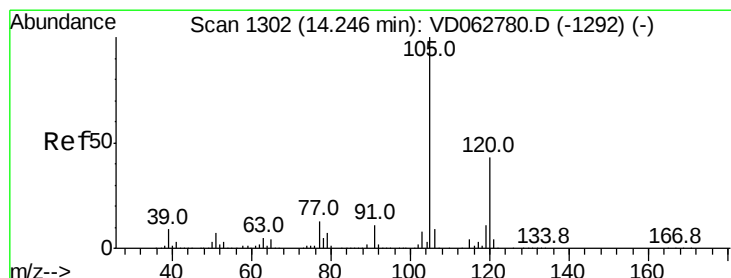
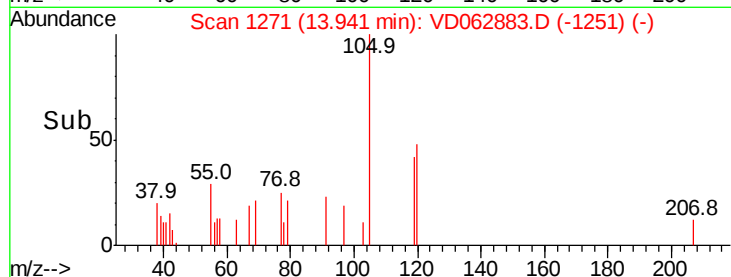
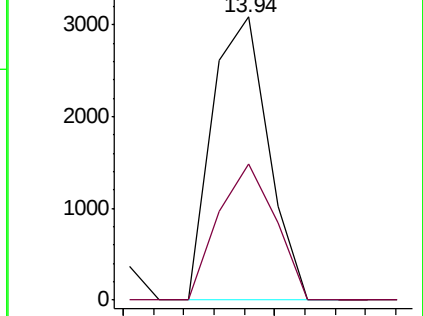
105 100

120 48.1 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

1,2,4-Trimethylbenzene

Concen: 4.191 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062883.D

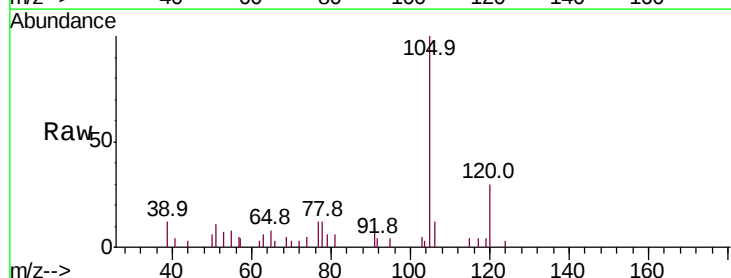
Acq: 25 Jun 2019 17:04

Tgt Ion:105 Resp: 14474

Ion Ratio Lower Upper

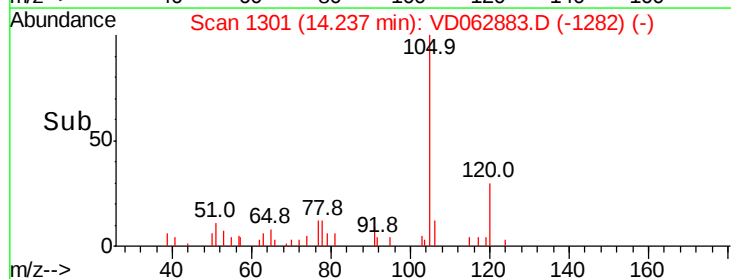
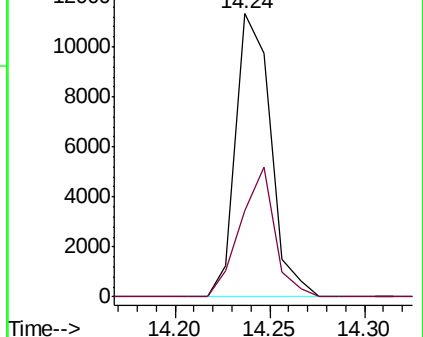
105 100

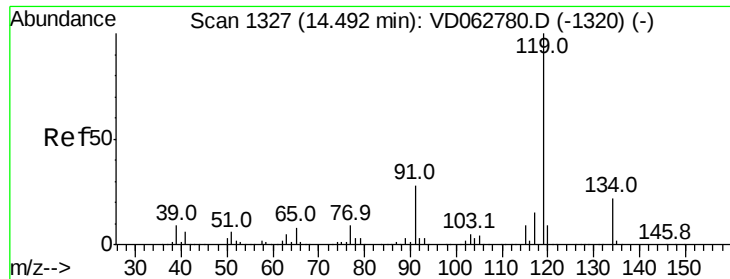
120 30.3 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

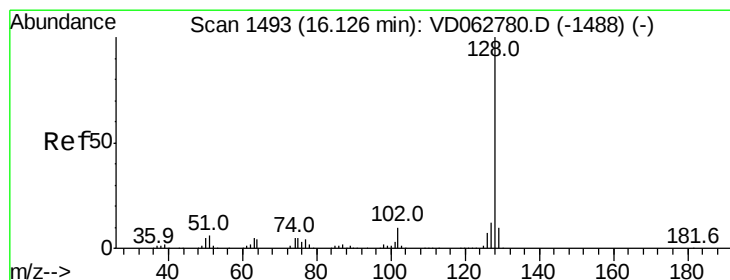
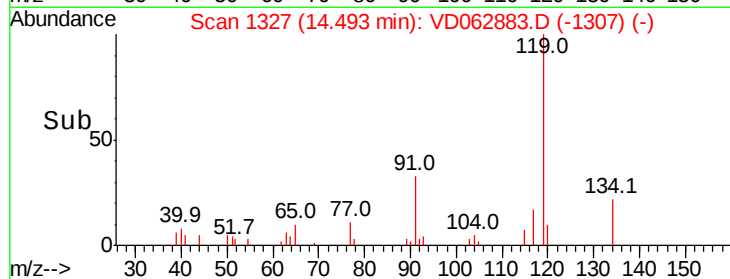
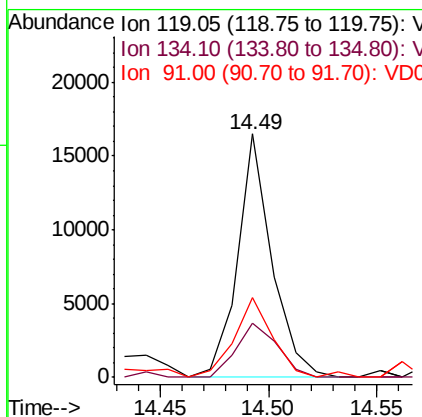
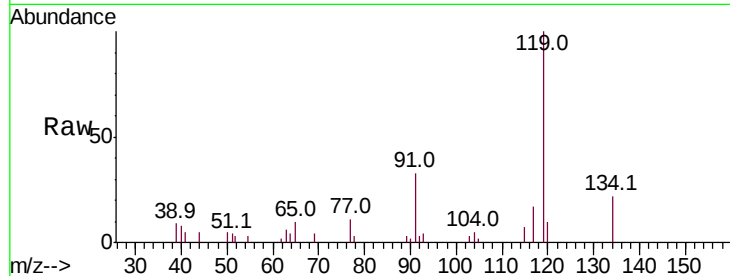




#86
 p-Isopropyltoluene
 Concen: 4.859 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062883.D
 Acq: 25 Jun 2019 17:04

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B05RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.3	11.1	33.1
91	32.8	14.0	41.9



#95
 Naphthalene
 Concen: 85.714 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062883.D
 Acq: 25 Jun 2019 17:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.7	14.5
129	10.3	8.3	12.5

