

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062884.D
 Acq On : 25 Jun 2019 17:31
 Operator : VA/AP
 Sample : K3164-05RE
 Misc : 6.11g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B07RE

Quant Time: Jun 26 05:35:44 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	7.05	168	686346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	942167	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	540856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	112482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	415361	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	6.94	113	417761	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.42	98	699476	40.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.90%	
62) 4-Bromofluorobenzene	13.56	95	179279	22.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.60%	

Target Compounds

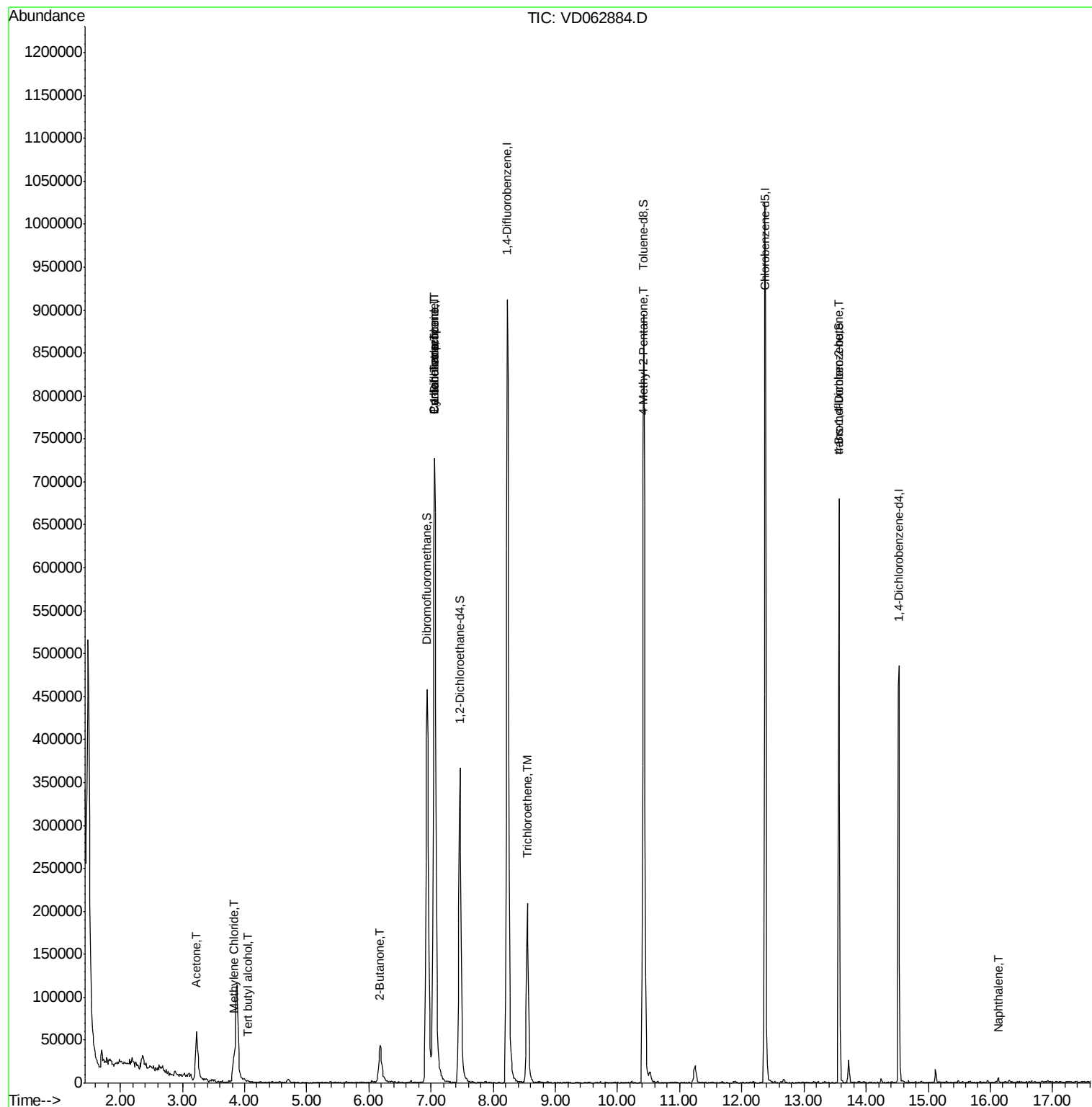
					Qvalue	
11) Tert butyl alcohol	4.06	59	440	1.295	ug/l #	77
16) Acetone	3.23	43	119528	74.082	ug/l	95
20) Methylene Chloride	3.82	84	18449	3.243	ug/l	86
25) 2-Butanone	6.17	43	3228	2.313	ug/l #	64
31) Cyclohexane	7.05	56	15194	2.169	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	53799	6.032	ug/l #	53
37) Ethyl Acetate	6.17	43	3228	Below Cal	#	26
38) Carbon Tetrachloride	7.05	117	72817	5.429	ug/l #	16
44) Trichloroethene	8.55	130	85691	12.209	ug/l	96
51) 4-Methyl-2-Pentanone	10.40	43	5305	1.600	ug/l #	84
81) trans-1,4-Dichloro-2-buten	13.56	75	83641	245.769	ug/l #	2
95) Naphthalene	16.12	128	4475	1.374	ug/l #	83

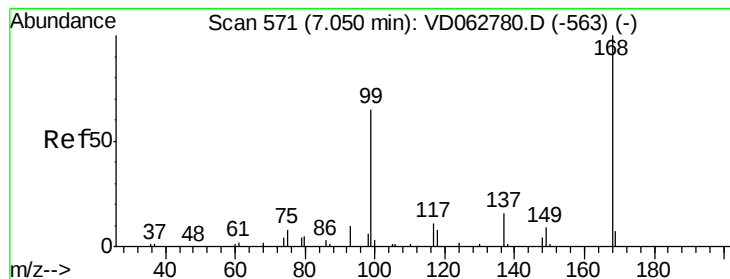
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
Data File : VD062884.D
Acq On : 25 Jun 2019 17:31
Operator : VA/AP
Sample : K3164-05RE
Misc : 6.11a/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BAT-B07RE

Quant Time: Jun 26 05:35:44 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: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

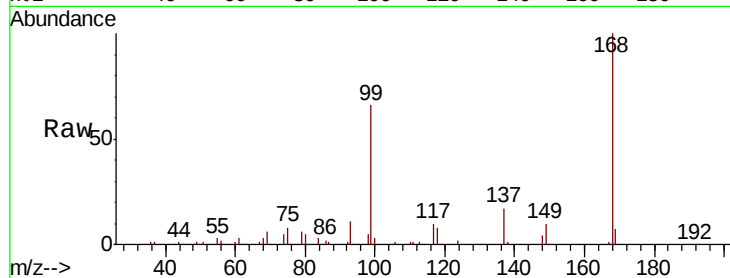
BAT-B07RE

Tot Ion:168 Resp: 686346

Ion Ratio Lower Upper

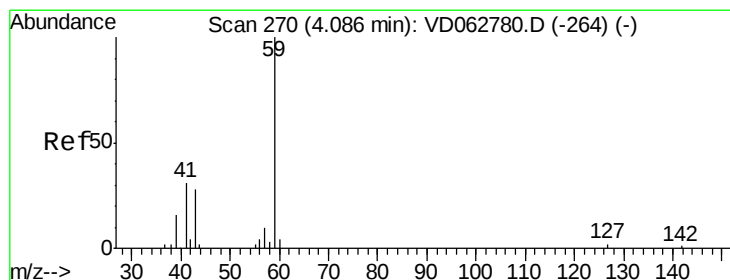
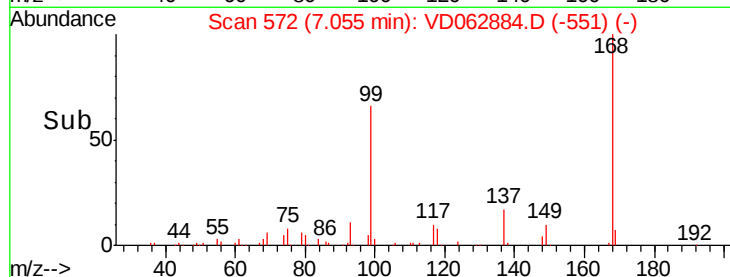
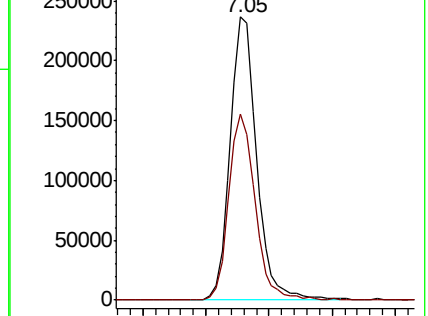
168 100

99 65.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.295 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.02 min

Lab File: VD062884.D

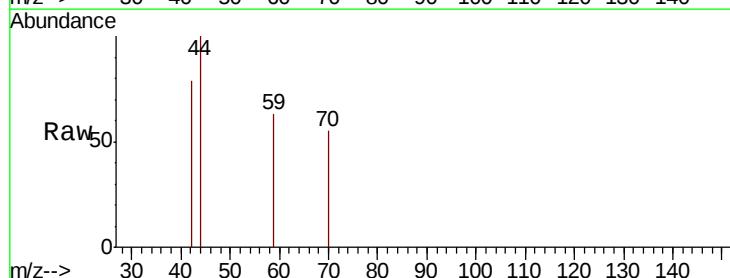
Acq: 25 Jun 2019 17:31

Tgt Ion: 59 Resp: 440

Ion Ratio Lower Upper

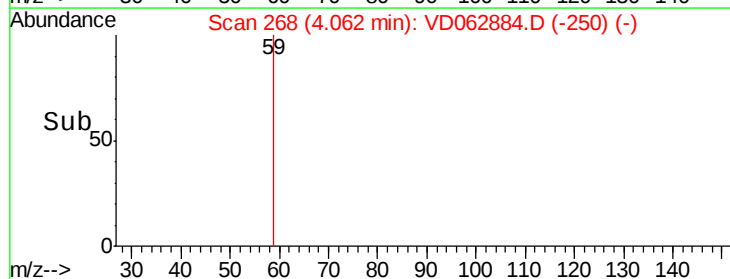
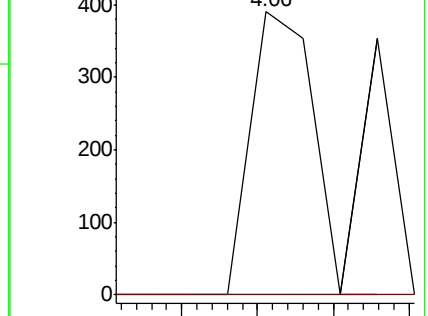
59 100

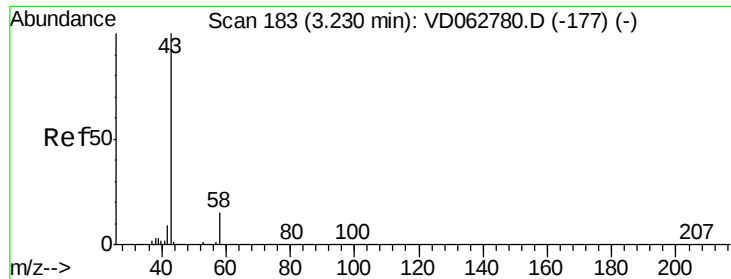
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 74.082 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

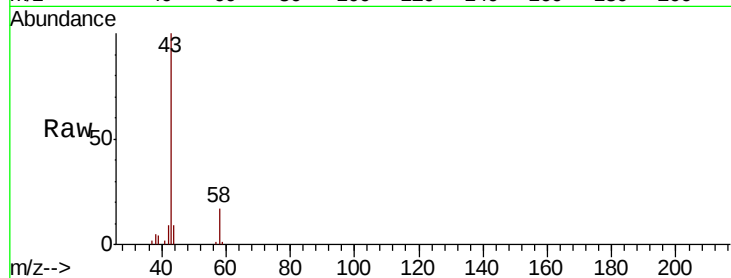
BAT-B07RE

Tot Ion: 43 Resp: 119528

Ion Ratio Lower Upper

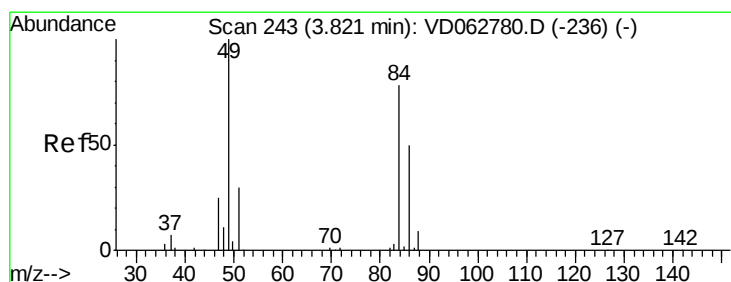
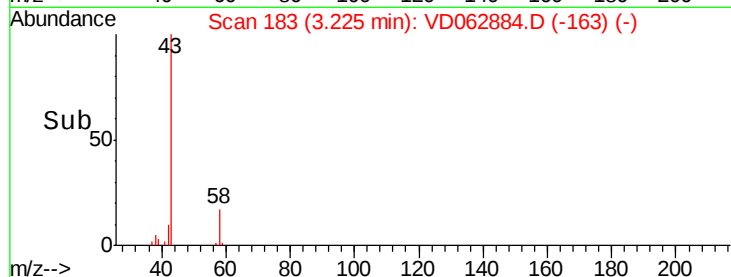
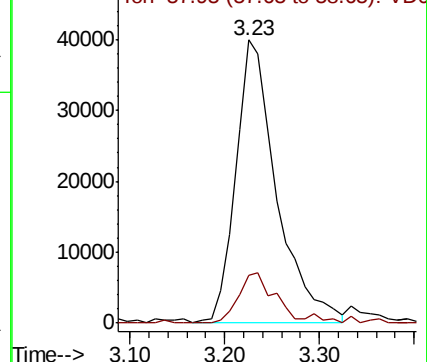
43 100

58 16.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.243 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

Tgt Ion: 84 Resp: 18449

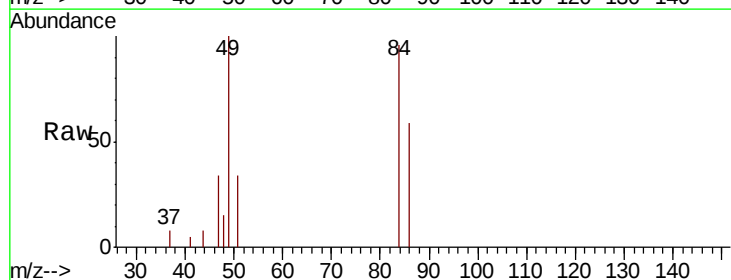
Ion Ratio Lower Upper

84 100

49 104.4 102.9 154.3

51 35.8 31.2 46.8

86 61.2 51.4 77.2

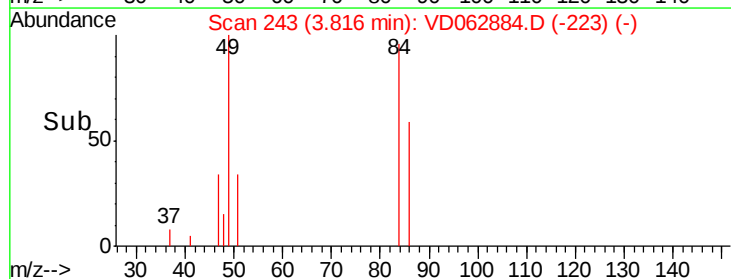
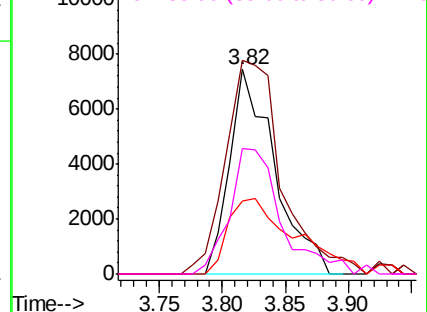


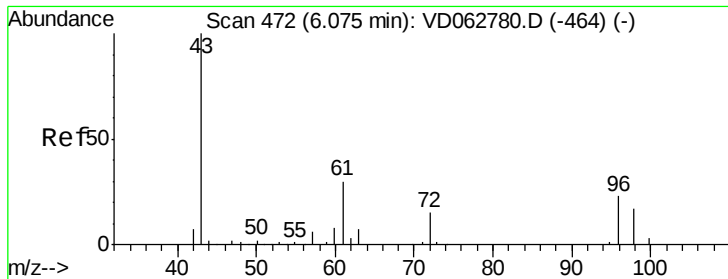
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

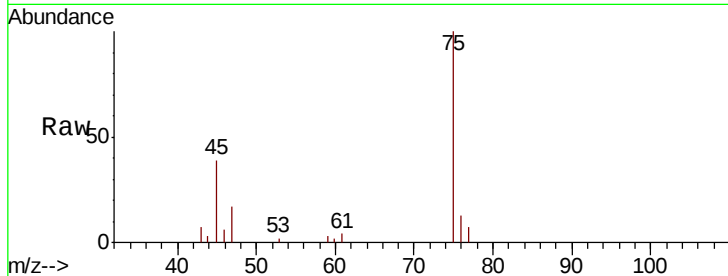




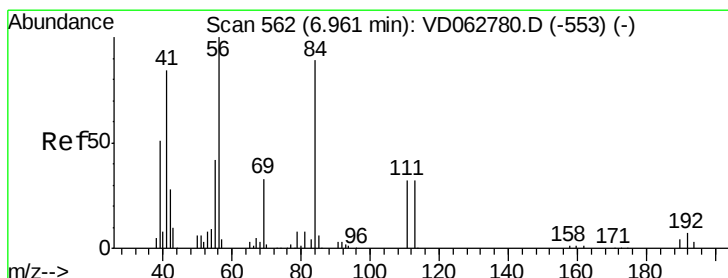
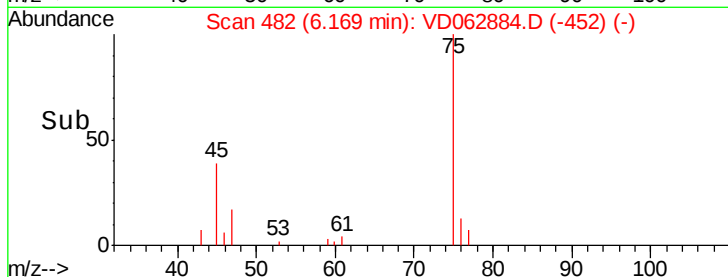
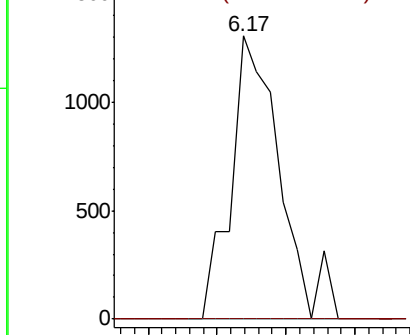
#25
2-Butanone
Concen: 2.313 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.09 min
Lab File: VD062884.D
Acq: 25 Jun 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
BAT-B07RE

Tot Ion: 43 Resp: 3228
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#

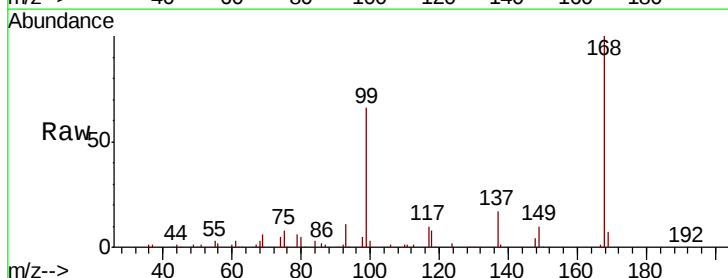


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

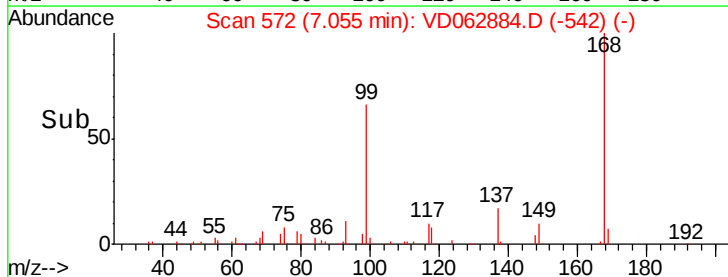
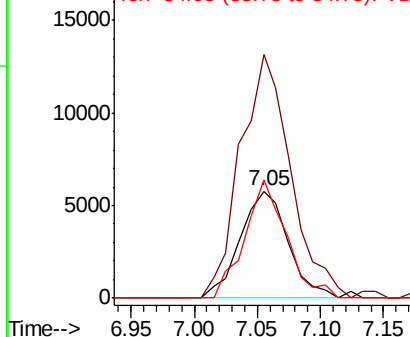


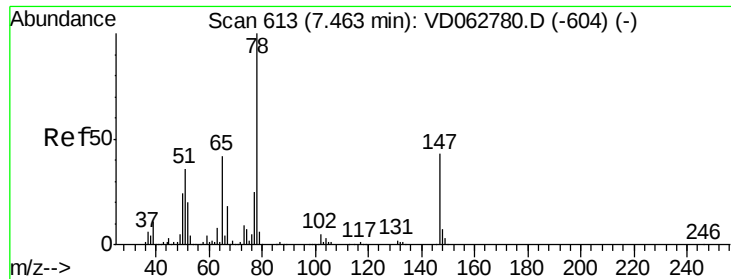
#31
Cyclohexane
Concen: 2.169 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD062884.D
Acq: 25 Jun 2019 17:31

Tgt Ion: 56 Resp: 15194
Ion Ratio Lower Upper
56 100
69 227.3 26.6 39.8#
84 110.3 75.5 113.3



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: 55.675 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

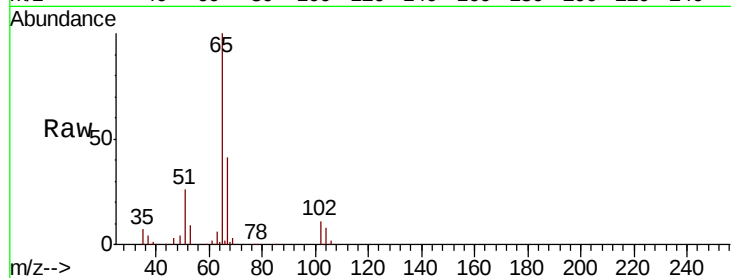
BAT-B07RE

Tot Ion: 65 Resp: 415361

Ion Ratio Lower Upper

65 100

67 41.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

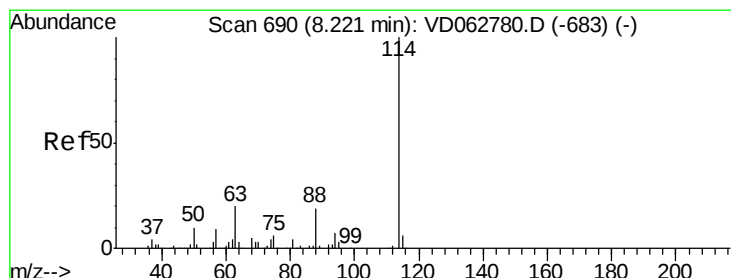
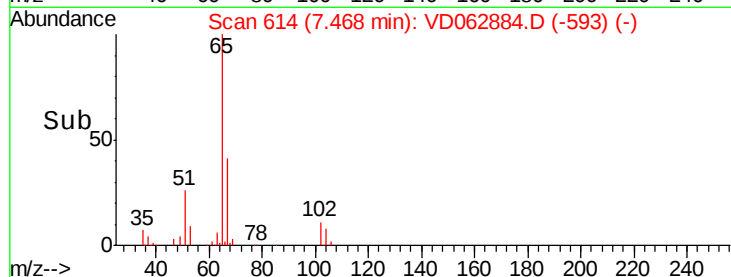
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

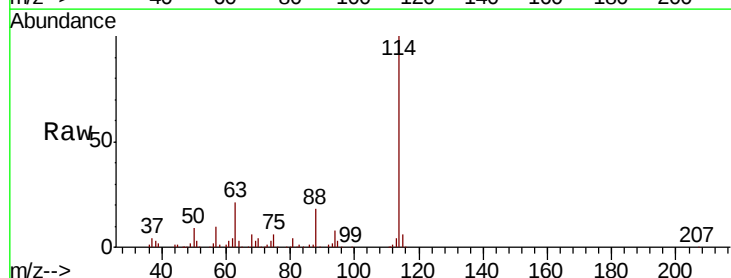
Tgt Ion: 114 Resp: 942167

Ion Ratio Lower Upper

114 100

63 20.7 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

500000

400000

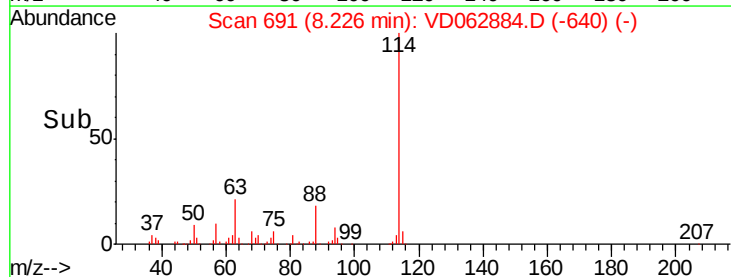
300000

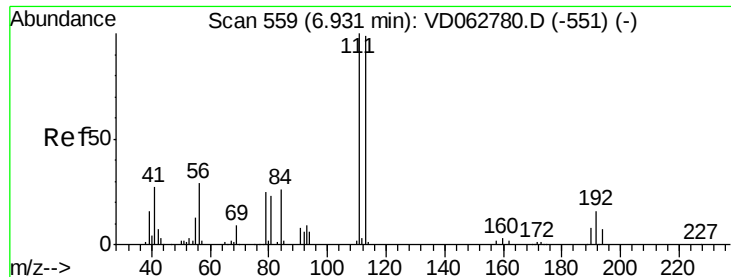
200000

100000

0

Time--> 8.10 8.20 8.30 8.40 8.50

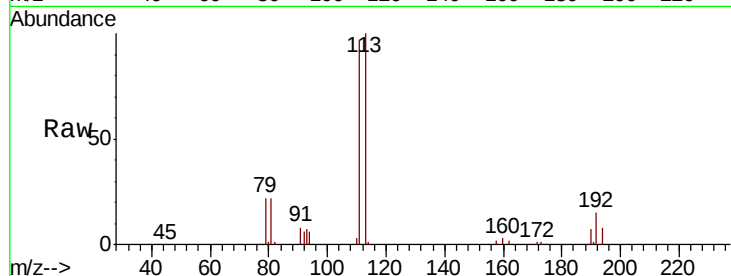




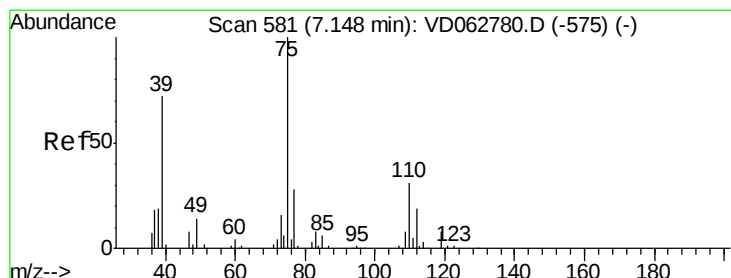
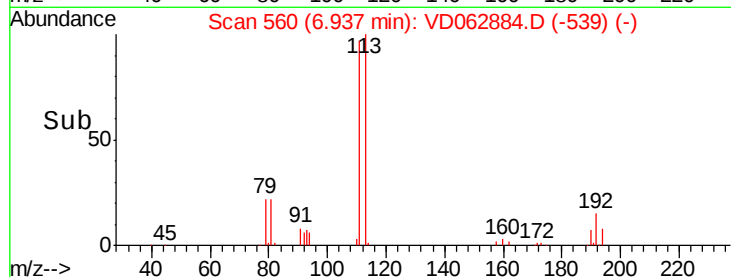
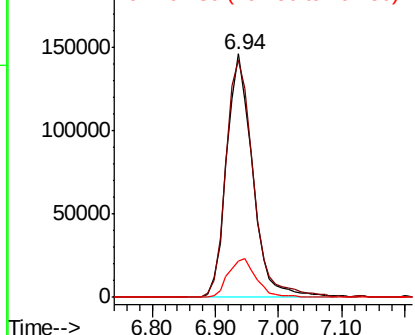
#35
Dibromofluoromethane
Concen: 52.586 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD062884.D
Acq: 25 Jun 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
BAT-B07RE

Tot Ion:113 Resp: 417761
Ion Ratio Lower Upper
113 100
111 97.4 81.2 121.8
192 15.0 12.9 19.3

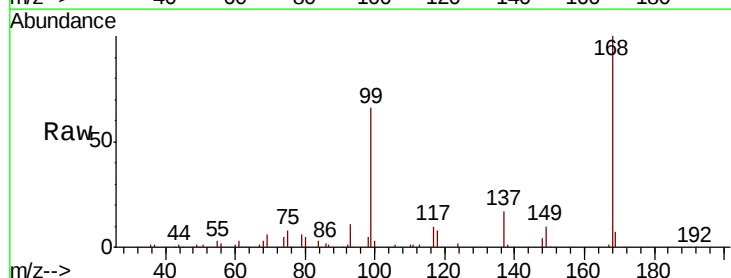


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

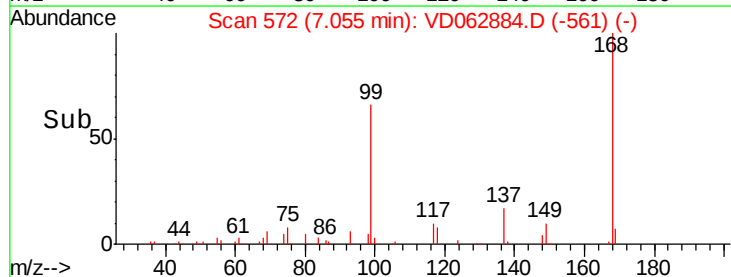
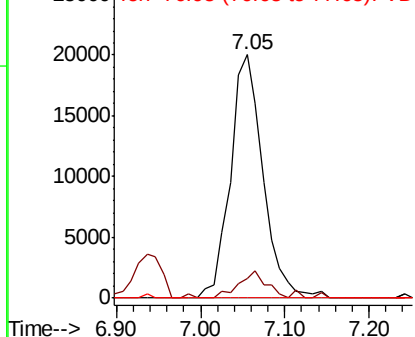


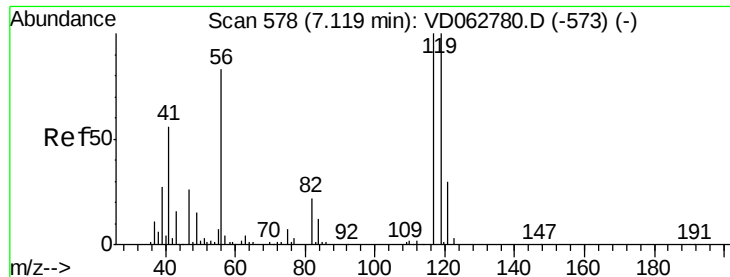
#36
1,1-Dichloropropene
Concen: 6.032 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.09 min
Lab File: VD062884.D
Acq: 25 Jun 2019 17:31

Tgt Ion: 75 Resp: 53799
Ion Ratio Lower Upper
75 100
110 8.0 15.0 45.1#
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.429 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

BAT-B07RE

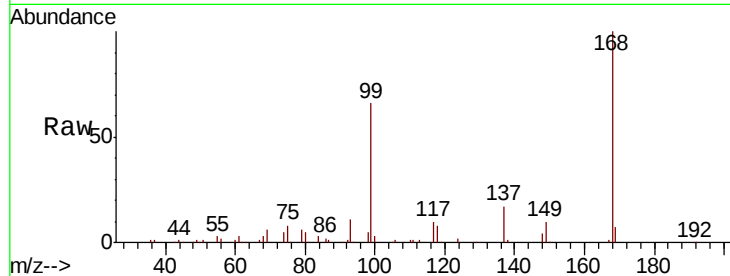
Tot Ion:117 Resp: 72817

Ion Ratio Lower Upper

117 100

119 4.6 75.4 113.2#

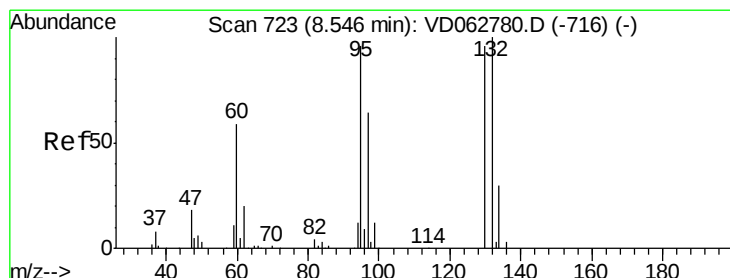
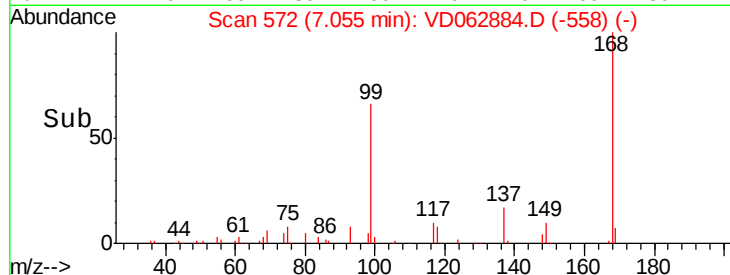
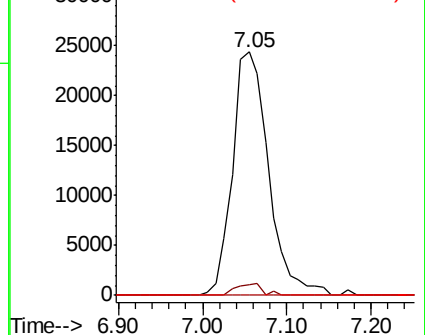
121 0.0 22.3 33.5#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#44

Trichloroethene

Concen: 12.209 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062884.D

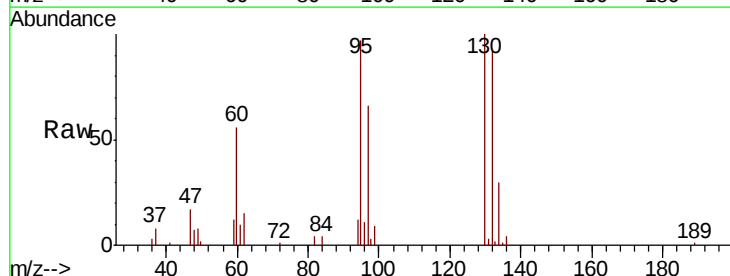
Acq: 25 Jun 2019 17:31

Tgt Ion:130 Resp: 85691

Ion Ratio Lower Upper

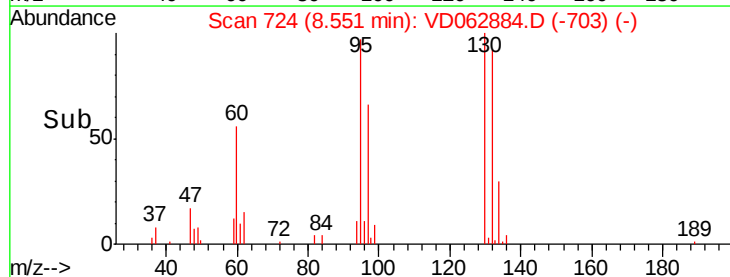
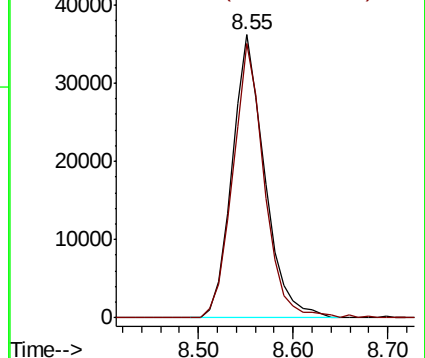
130 100

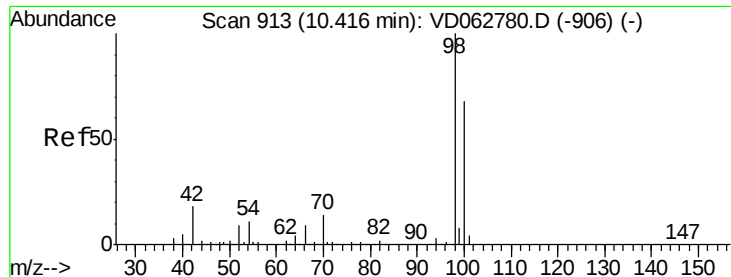
95 97.0 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

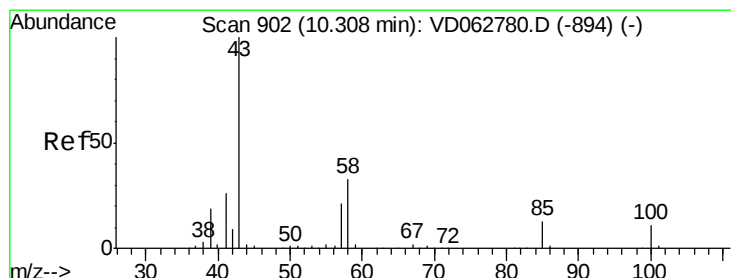
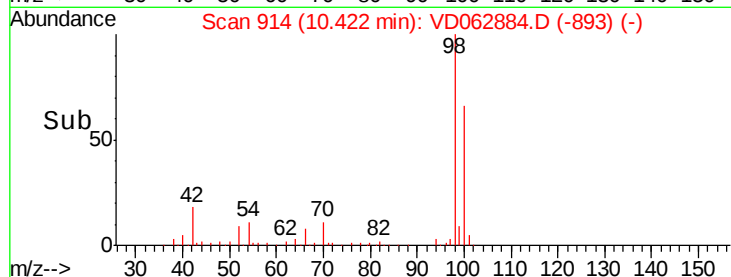
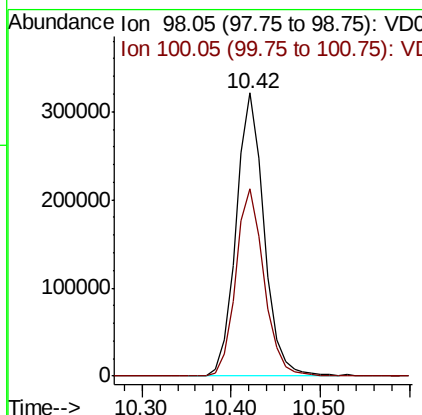
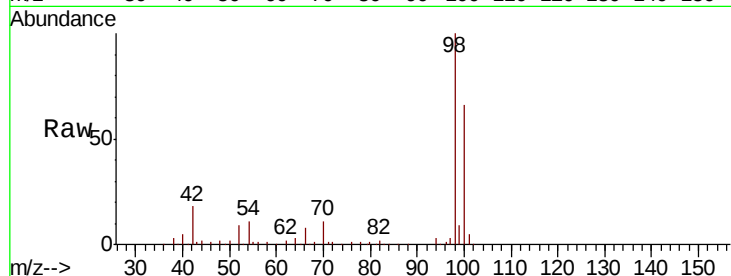




#50
Toluene-d8
Concen: 40.454 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062884.D
Acq: 25 Jun 2019 17:31

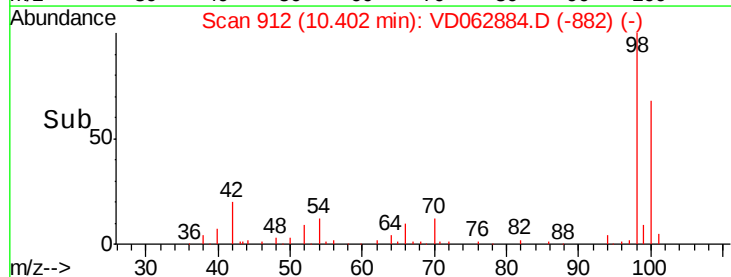
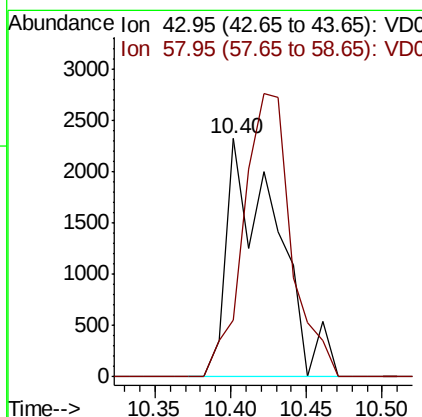
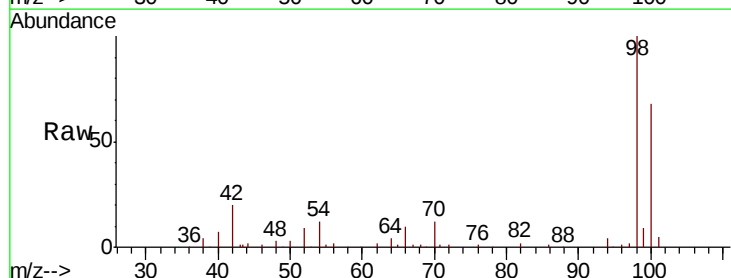
Instrument :
MSVOA_D
ClientSampleId :
BAT-B07RE

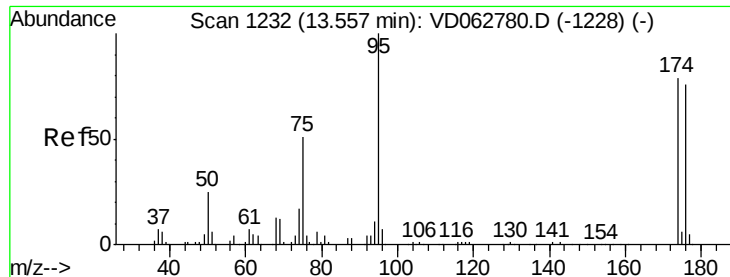
Tot Ion: 98 Resp: 699476
Ion Ratio Lower Upper
98 100
100 66.4 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.600 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.09 min
Lab File: VD062884.D
Acq: 25 Jun 2019 17:31

Tgt Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
58 24.0 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 22.803 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

BAT-B07RE

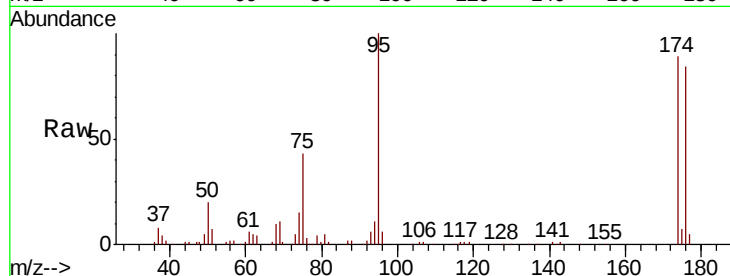
Tot Ion: 95 Resp: 179279

Ion Ratio Lower Upper

95 100

174 88.7 0.0 158.0

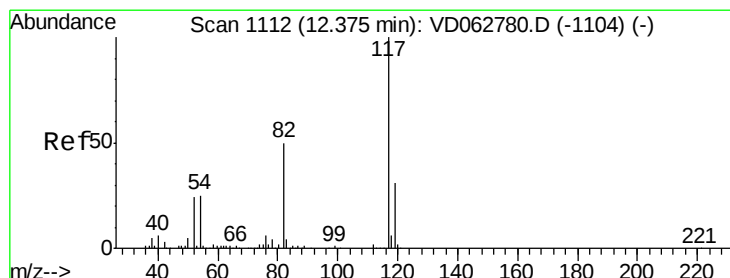
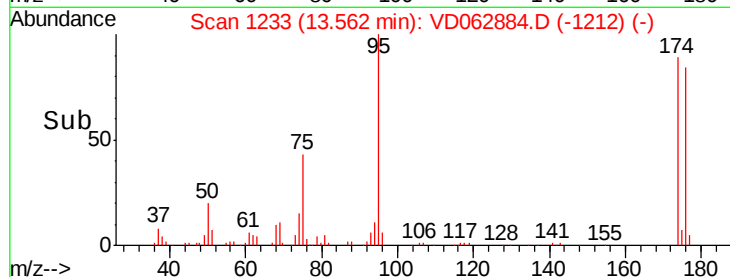
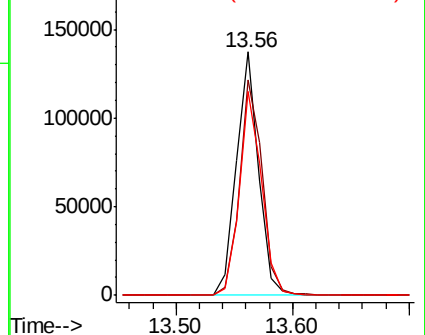
176 83.6 0.0 151.6



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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

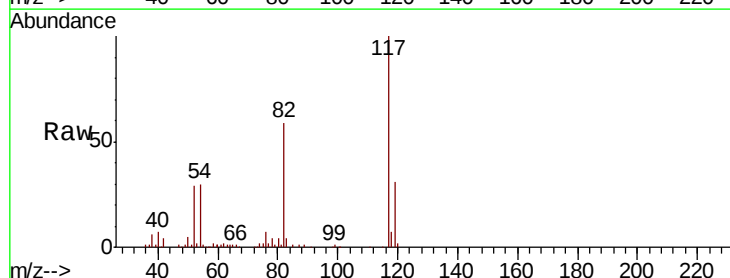
Tgt Ion: 117 Resp: 540856

Ion Ratio Lower Upper

117 100

82 58.8 40.4 60.6

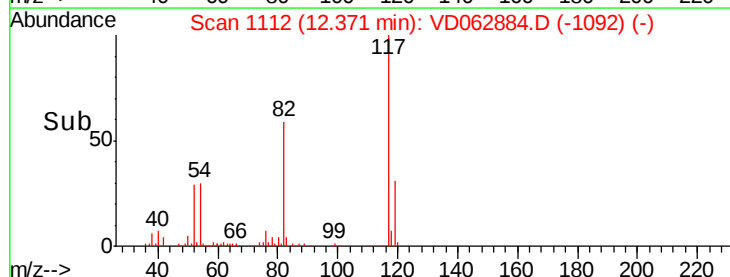
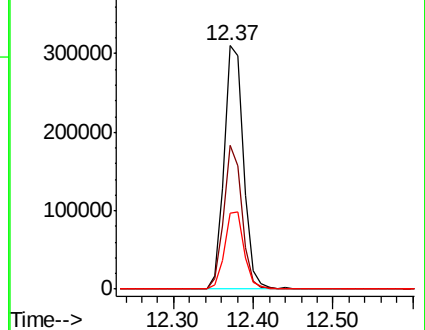
119 31.4 25.2 37.8

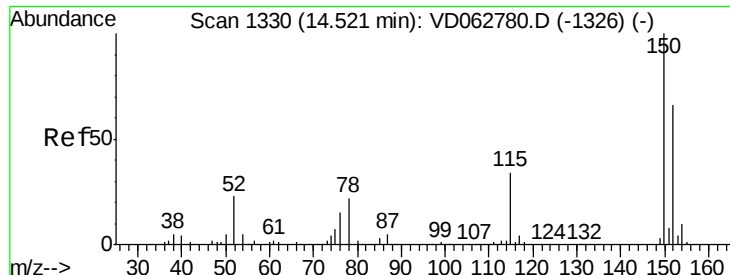


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

BAT-B07RE

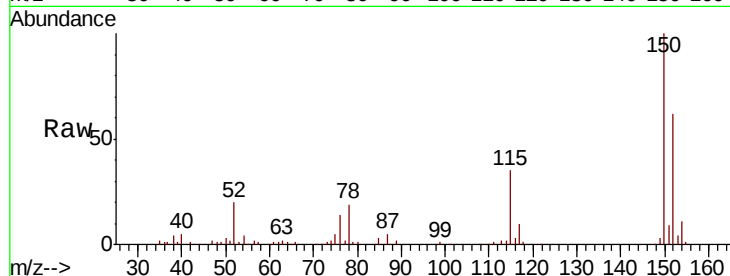
Tot Ion:152 Resp: 112482

Ion Ratio Lower Upper

152 100

115 56.1 29.2 87.6

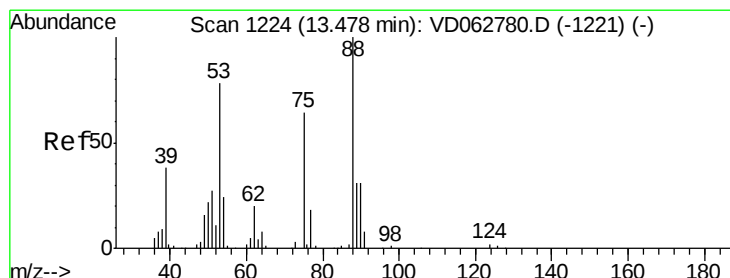
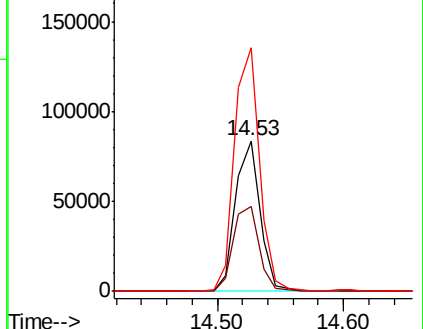
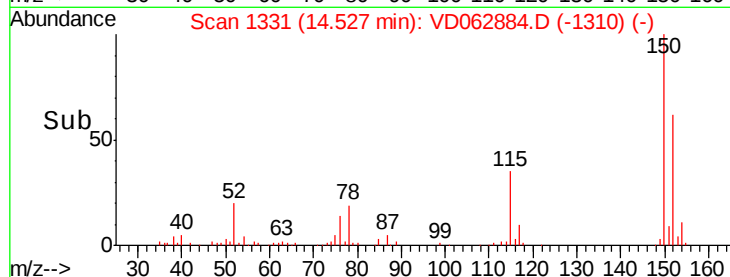
150 161.8 0.0 305.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 245.769 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

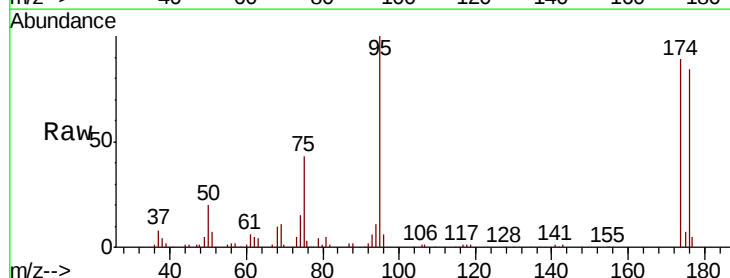
Tgt Ion: 75 Resp: 83641

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

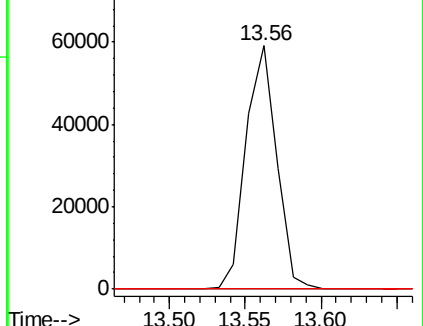
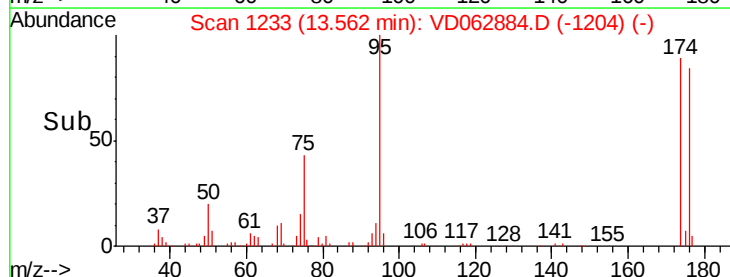
89 0.0 39.4 59.2#

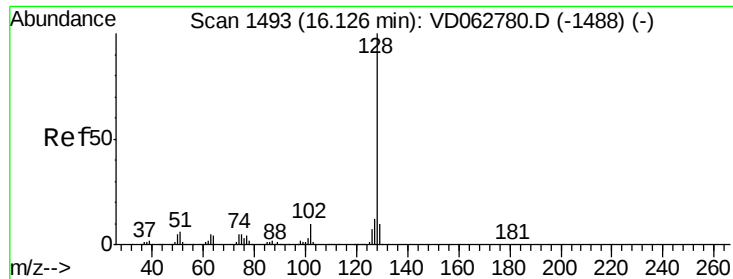


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.374 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062884.D

Acq: 25 Jun 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

BAT-B07RE

Tot Ion:128 Resp: 4475

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

129 10.1 8.3 12.5

