

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
 Data File : VD063615.D
 Acq On : 15 Aug 2019 19:39
 Operator : JC/SY
 Sample : K4356-11
 Misc : 4.15g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6

Quant Time: Aug 16 01:21:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

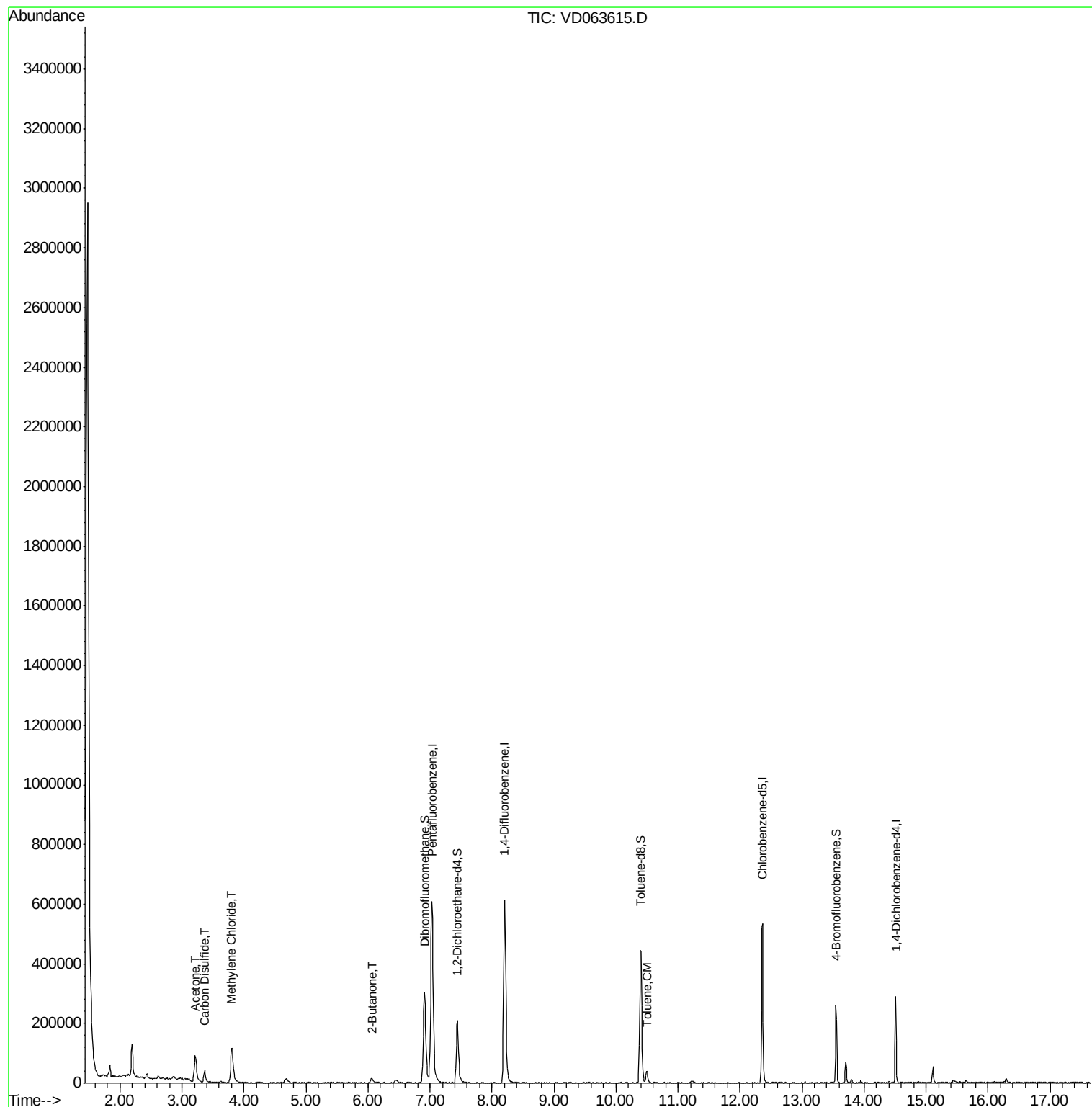
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	581614	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	689502	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	312987	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	53071	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	250979	40.37	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	80.74%	
35) Dibromofluoromethane	6.91	113	260322	44.83	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	89.66%	
50) Toluene-d8	10.40	98	389965	30.54	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	61.08%	
62) 4-Bromofluorobenzene	13.55	95	74396	12.86	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	25.72%	
Target Compounds						
16) Acetone	3.21	43	176234	139.448	ug/l	97
17) Carbon Disulfide	3.37	76	61473	4.145	ug/l #	90
20) Methylene Chloride	3.80	84	78352	14.338	ug/l	98
25) 2-Butanone	6.05	43	29755	23.839	ug/l #	85
52) Toluene	10.50	92	20460	2.368	ug/l	93

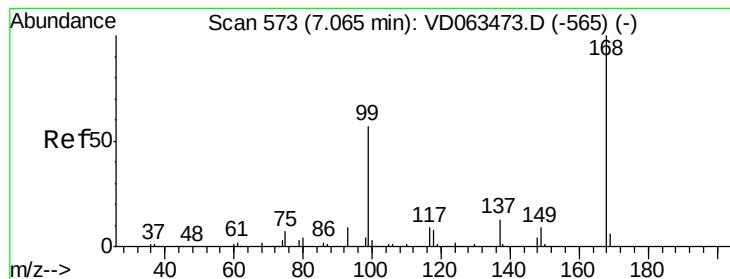
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 16 01:21:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063615.D

Acq: 15 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

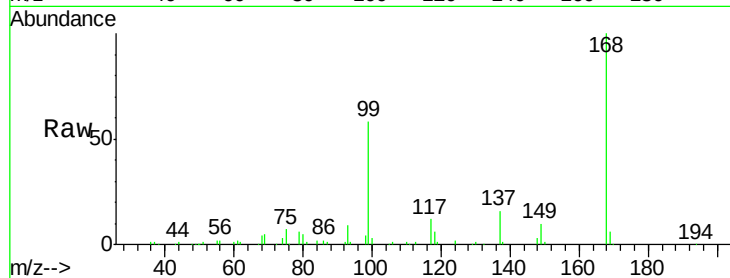
TP-6

Tot Ion:168 Resp: 581614

Ion Ratio Lower Upper

168 100

99 57.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

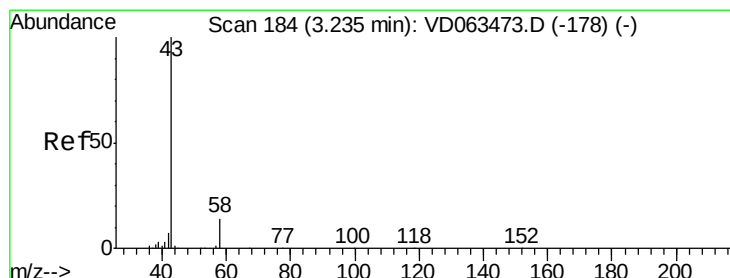
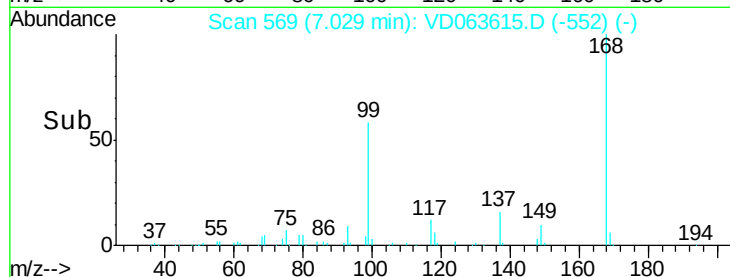
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 139.448 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063615.D

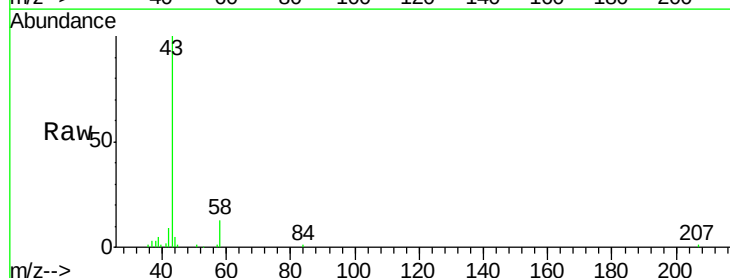
Acq: 15 Aug 2019 19:39

Tgt Ion: 43 Resp: 176234

Ion Ratio Lower Upper

43 100

58 13.2 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

60000

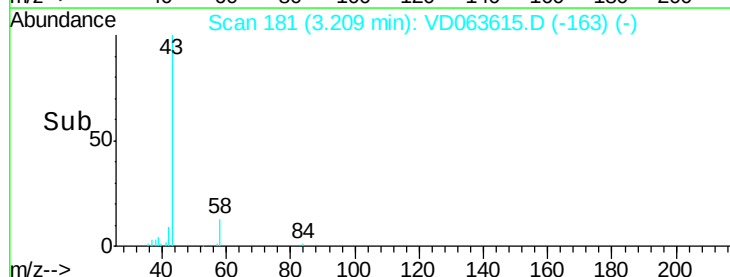
40000

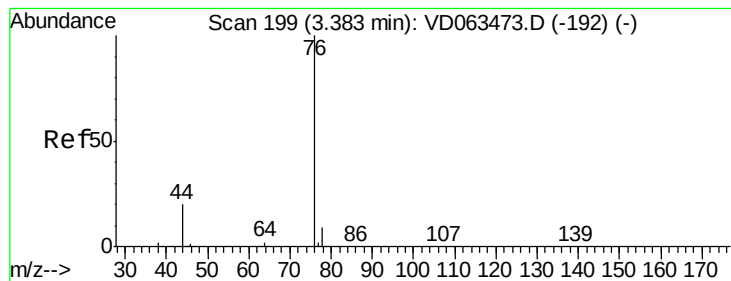
20000

0

Time-->

3.10 3.20 3.30 3.40





#17

Carbon Disulfide

Concen: 4.145 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063615.D

Acq: 15 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

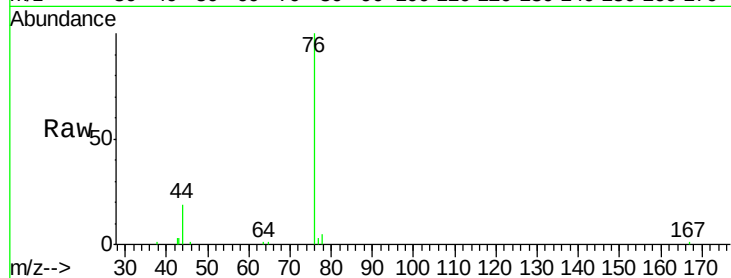
TP-6

Tot Ion: 76 Resp: 61473

Ion Ratio Lower Upper

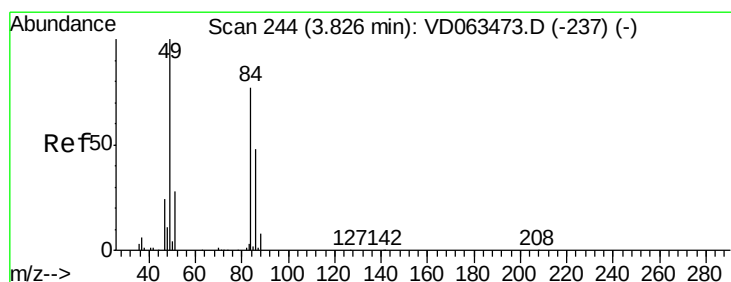
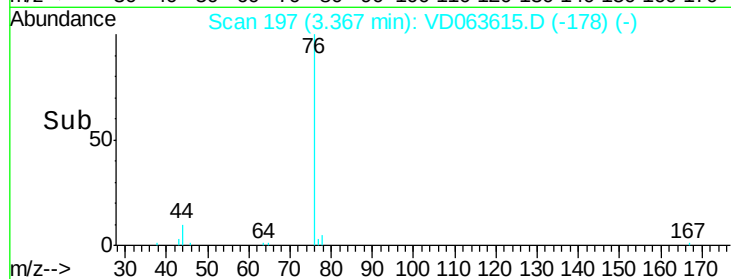
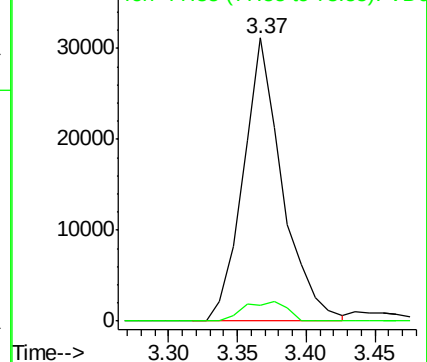
76 100

78 5.5 7.4 11.0#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 14.338 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD063615.D

Acq: 15 Aug 2019 19:39

Tgt Ion: 84 Resp: 78352

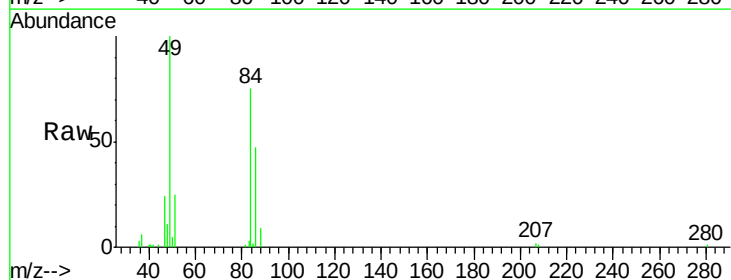
Ion Ratio Lower Upper

84 100

49 133.1 103.4 155.2

51 33.7 28.5 42.7

86 61.9 49.4 74.2

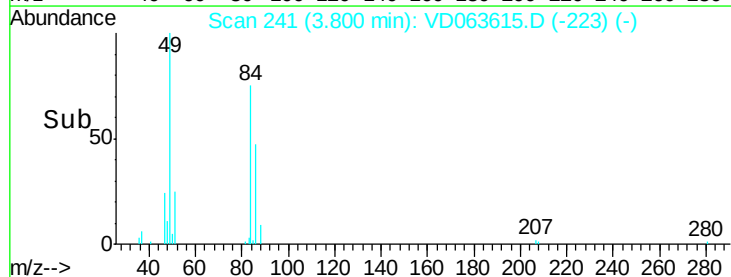
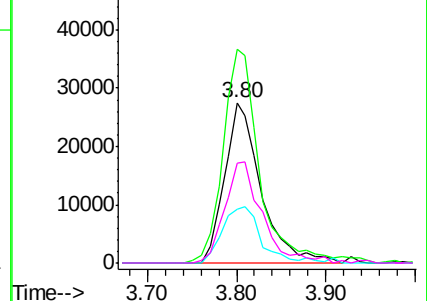


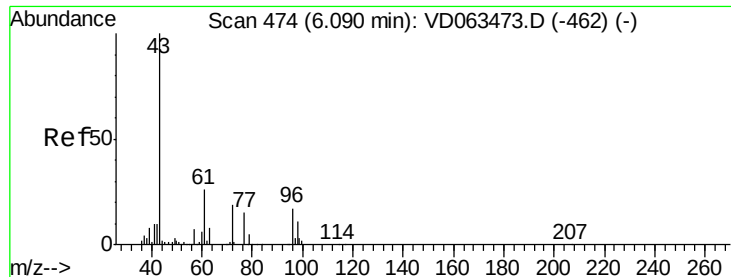
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 23.839 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.04 min

Lab File: VD063615.D

Acq: 15 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleID :

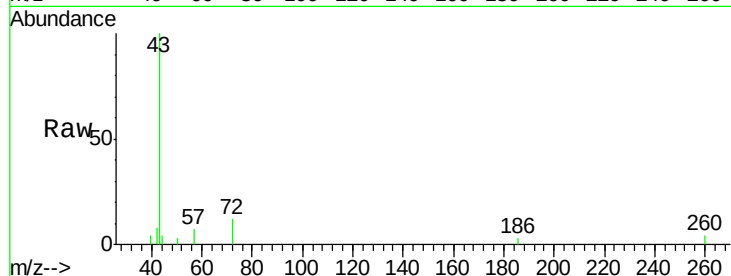
TP-6

Tot Ion: 43 Resp: 29755

Ion Ratio Lower Upper

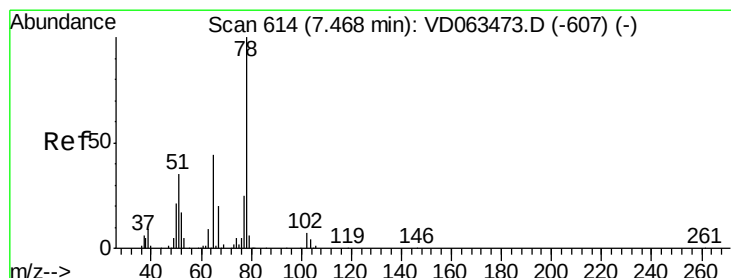
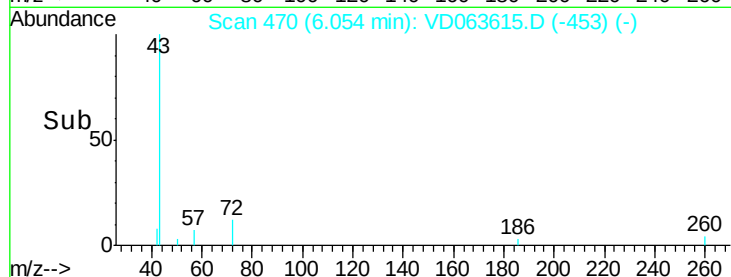
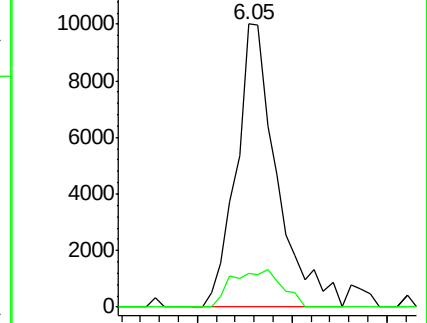
43 100

72 12.0 15.1 22.7#



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: 40.370 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063615.D

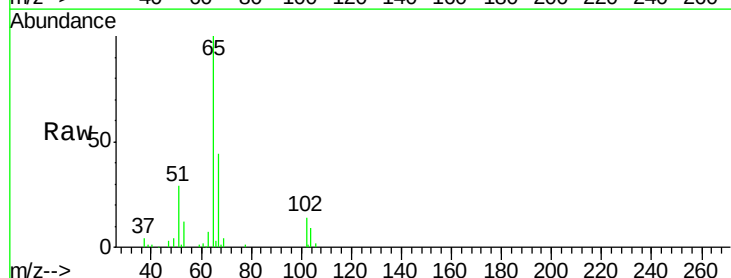
Acq: 15 Aug 2019 19:39

Tgt Ion: 65 Resp: 250979

Ion Ratio Lower Upper

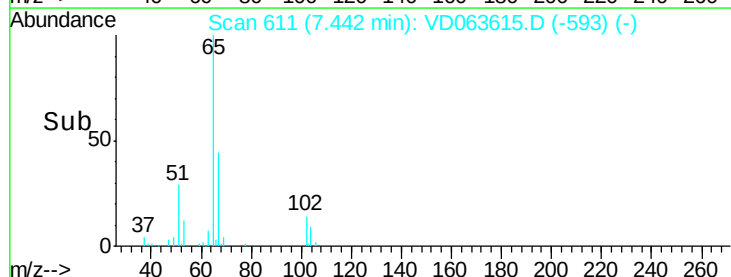
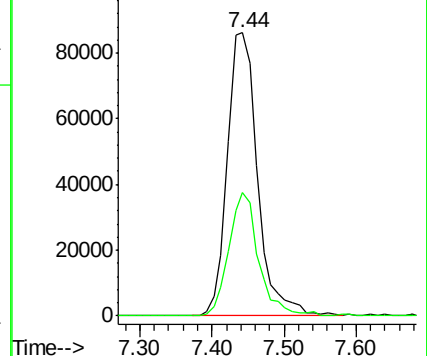
65 100

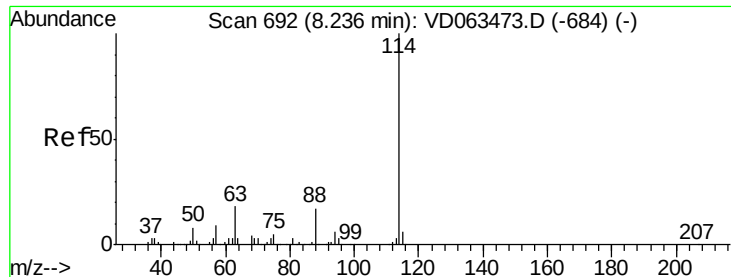
67 43.7 0.0 89.2



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. -0.03 min

Lab File: VD063615.D

Acq: 15 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

TP-6

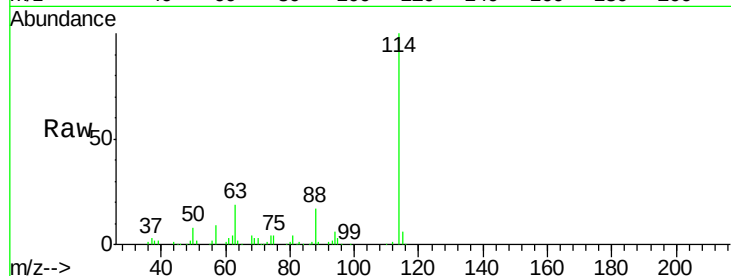
Tot Ion:114 Resp: 689502

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.2

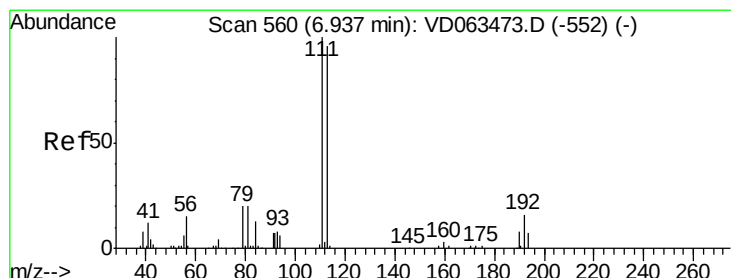
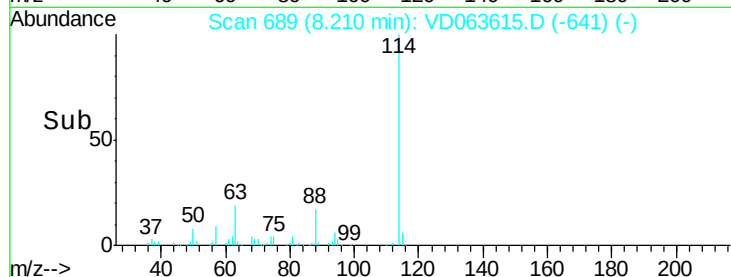
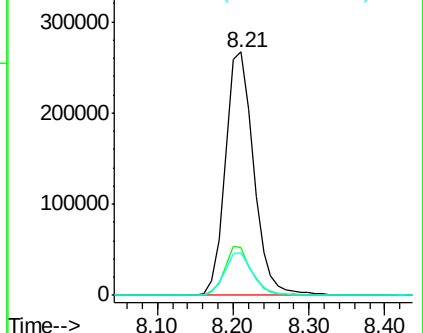
88 17.4 0.0 35.0



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: 44.829 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063615.D

Acq: 15 Aug 2019 19:39

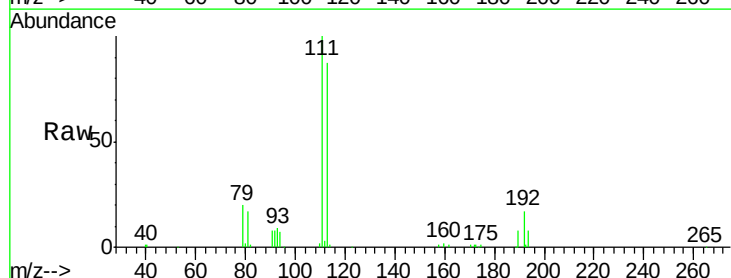
Tgt Ion:113 Resp: 260322

Ion Ratio Lower Upper

113 100

111 114.9 83.1 124.7

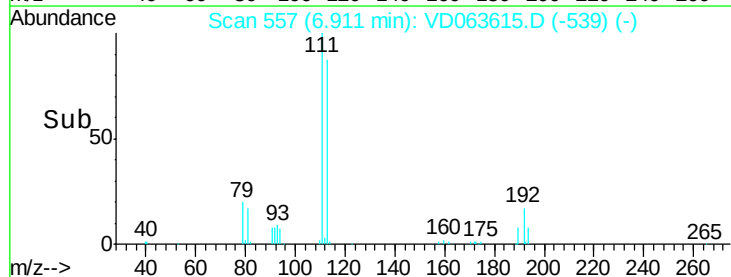
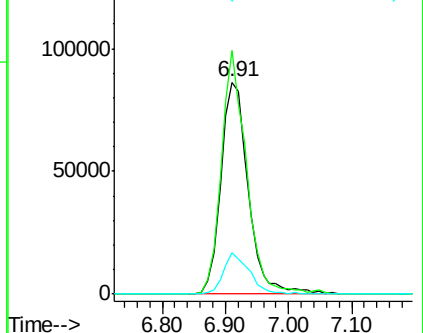
192 19.5 13.1 19.7

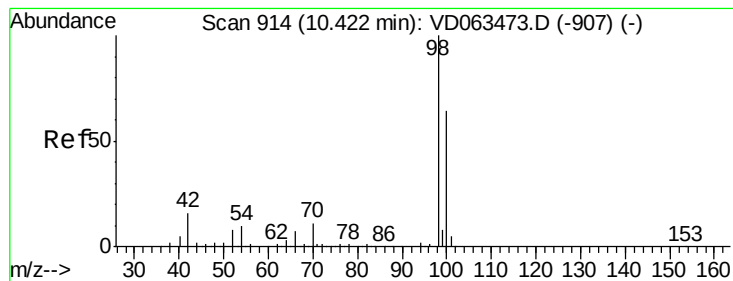


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 30.545 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD063615.D

Acq: 15 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampled :

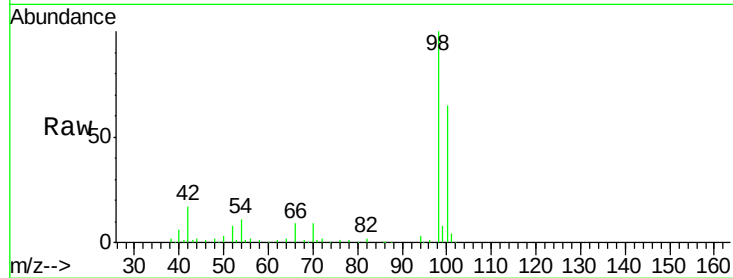
TP-6

Tot Ion: 98 Resp: 389965

Ion Ratio Lower Upper

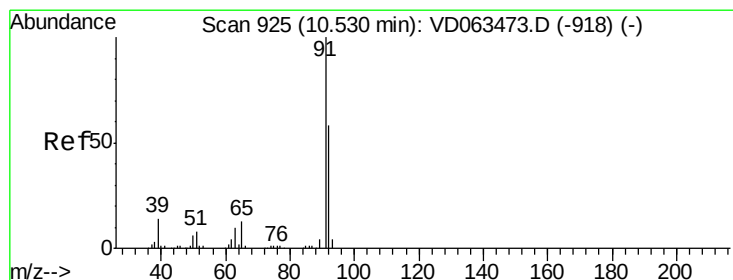
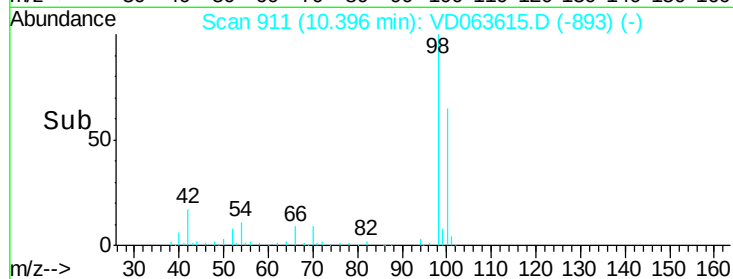
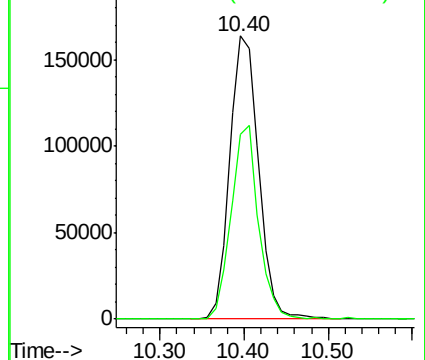
98 100

100 65.3 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 2.368 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063615.D

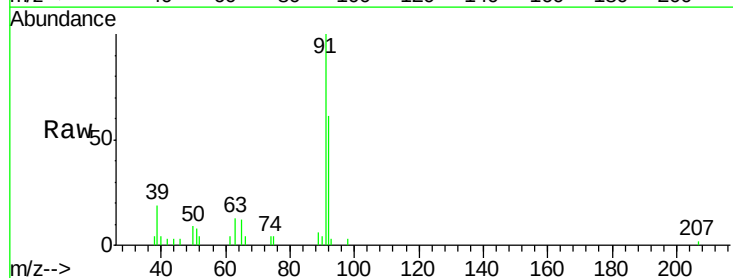
Acq: 15 Aug 2019 19:39

Tgt Ion: 92 Resp: 20460

Ion Ratio Lower Upper

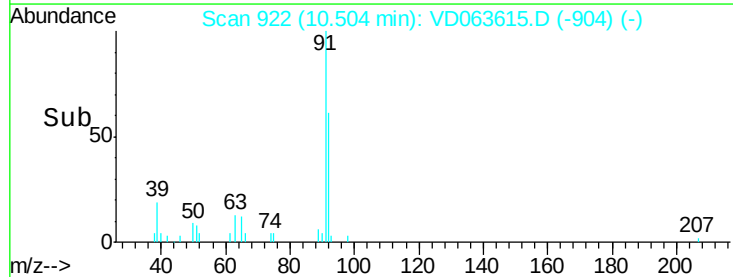
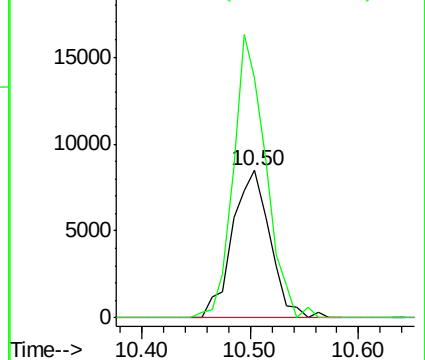
92 100

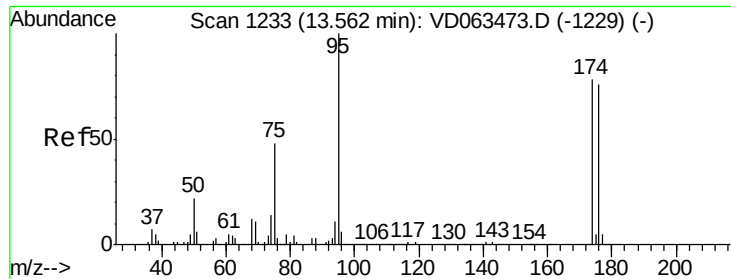
91 163.2 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

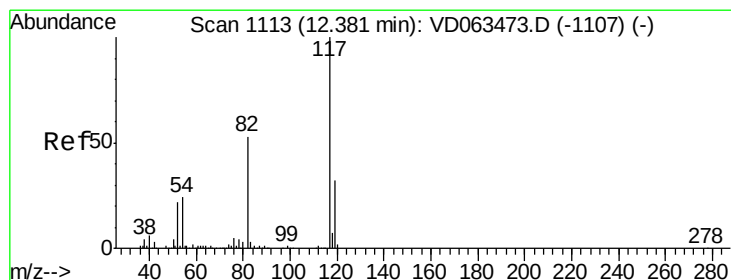
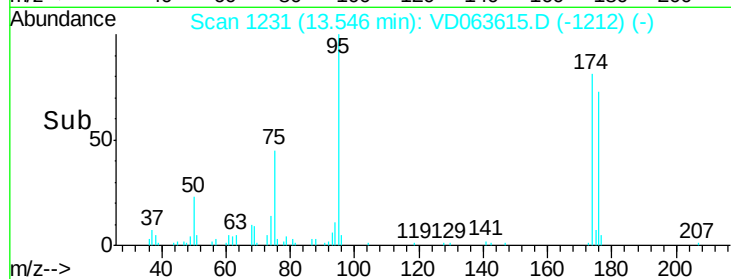
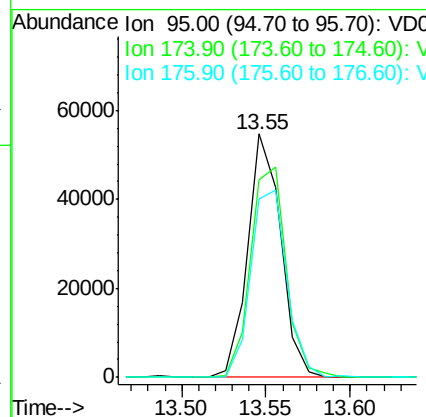
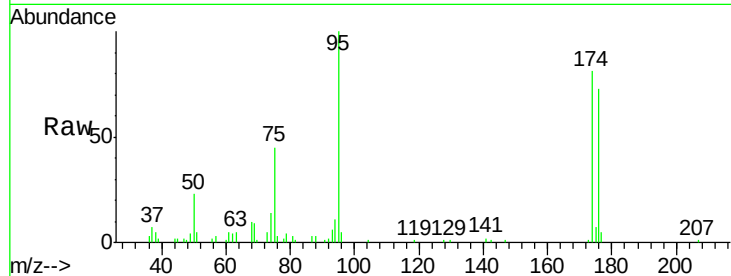




#62
 4-Bromofluorobenzene
 Concen: 12.857 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VD063615.D
 Acq: 15 Aug 2019 19:39

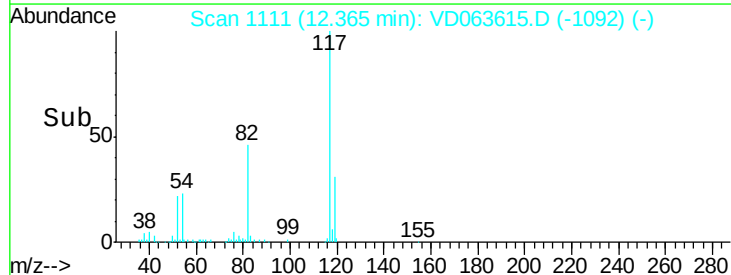
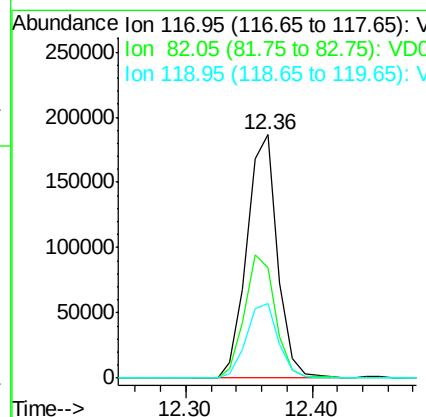
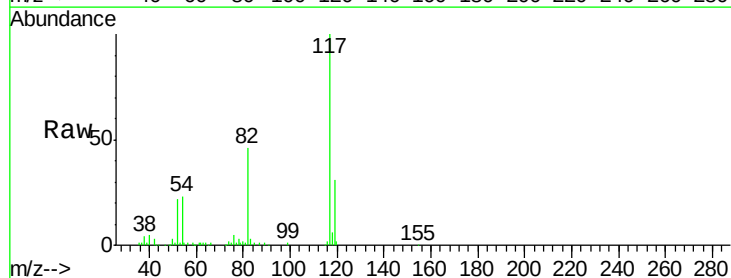
Instrument :
 MSVOA_D
 ClientSampled :
 TP-6

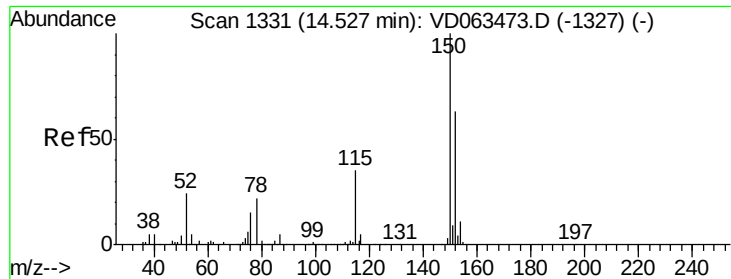
Tot Ion: 95 Resp: 74396
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 155.4
 176 73.1 0.0 152.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1111
 Delta R.T. -0.02 min
 Lab File: VD063615.D
 Acq: 15 Aug 2019 19:39

Tgt Ion: 117 Resp: 312987
 Ion Ratio Lower Upper
 117 100
 82 45.5 42.0 63.0
 119 30.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD063615.D

Acq: 15 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

TP-6

Tot Ion:152 Resp: 53071

Ion Ratio Lower Upper

152 100

115 65.2 30.9 92.7

150 164.4 0.0 318.6

