

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062972.D
 Acq On : 28 Jun 2019 18:04
 Operator : VA/AP
 Sample : K3554-09
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-16

Quant Time: Jun 29 01:04:58 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

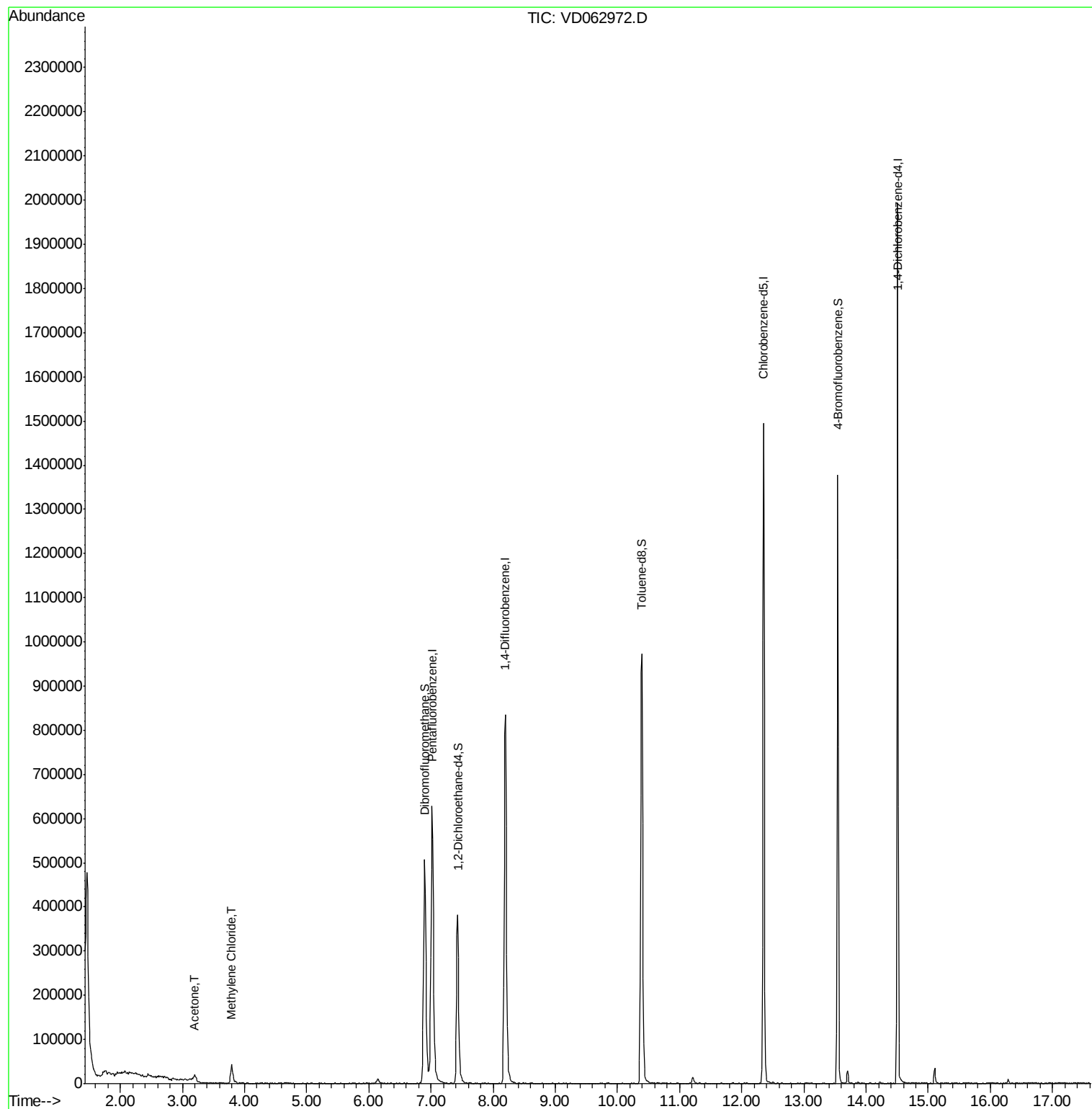
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	564192	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	863102	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	746286	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	394206	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	429095	69.97	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	139.94%	
35) Dibromofluoromethane	6.90	113	428793	58.92	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	117.84%	
50) Toluene-d8	10.39	98	791326	49.96	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	13.54	95	373873	51.91	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.82%	
Target Compounds						
16) Acetone	3.21	43	34913	21.684	ug/l	Qvalue 100
20) Methylene Chloride	3.79	84	24986	5.342	ug/l	95

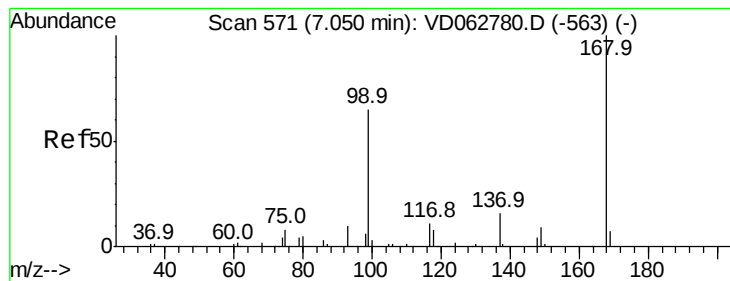
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062972.D

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MSVOA_D

ClientSampleId :

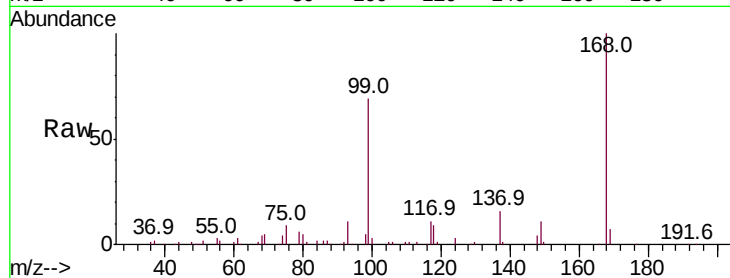
SAMPLE-16

Tot Ion:168 Resp: 564192

Ion Ratio Lower Upper

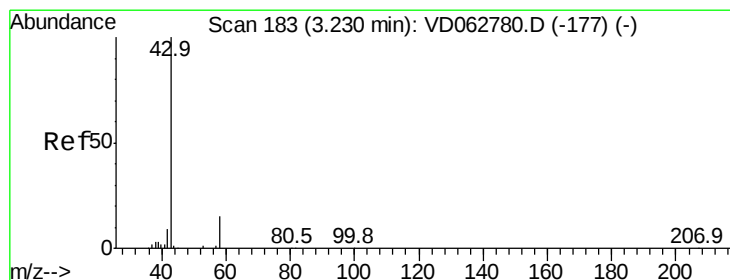
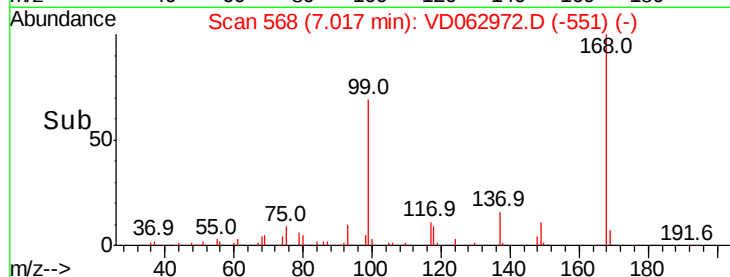
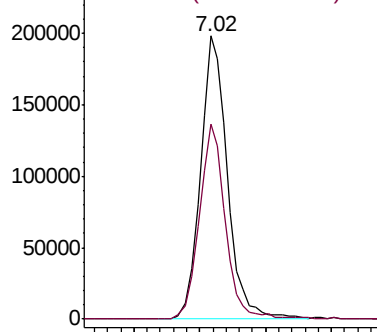
168 100

99 68.8 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: 21.684 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062972.D

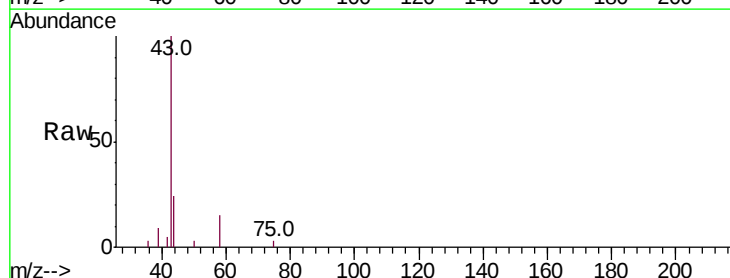
Acq: 28 Jun 2019 18:04

Tgt Ion: 43 Resp: 34913

Ion Ratio Lower Upper

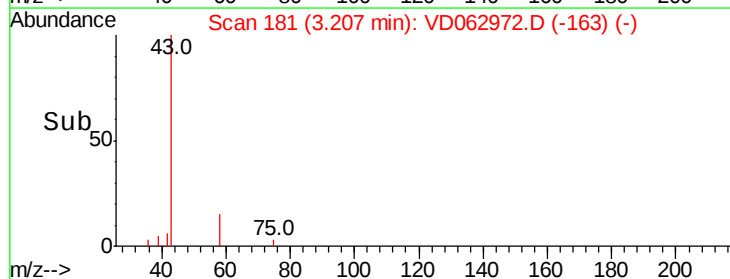
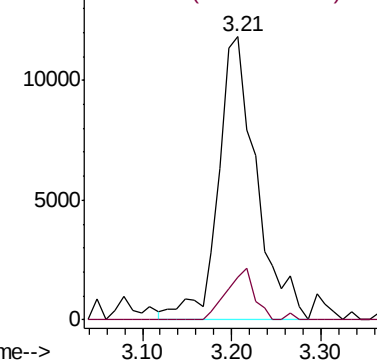
43 100

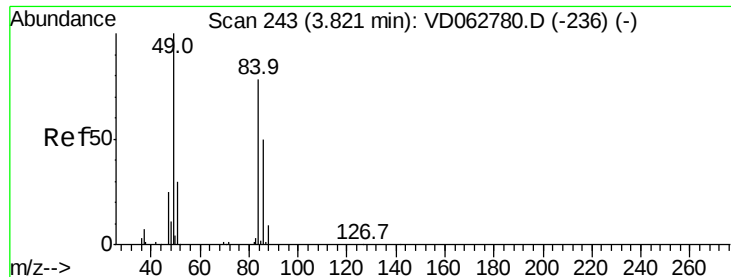
58 15.0 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 5.342 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.03 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-16

Tot Ion: 84 Resp: 24986

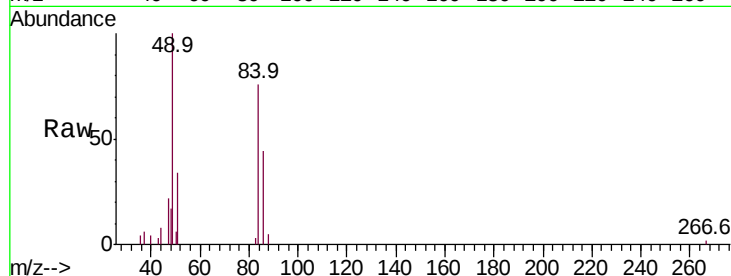
Ion Ratio Lower Upper

84 100

49 131.2 102.9 154.3

51 44.5 31.2 46.8

86 58.1 51.4 77.2

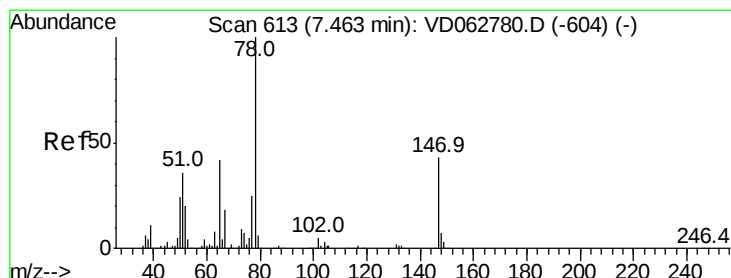
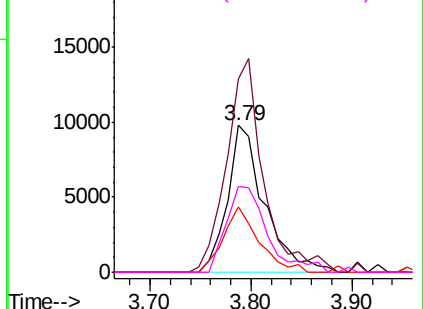
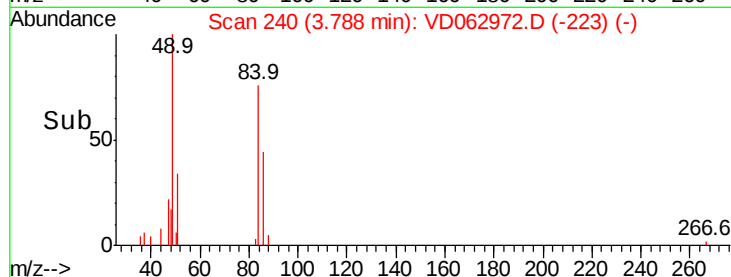


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: 69.969 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062972.D

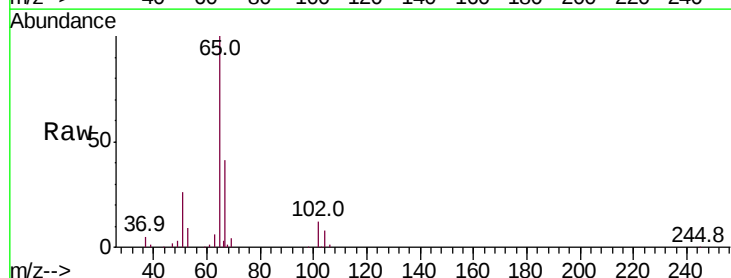
Acq: 28 Jun 2019 18:04

Tgt Ion: 65 Resp: 429095

Ion Ratio Lower Upper

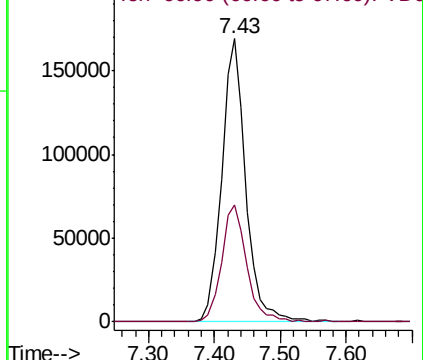
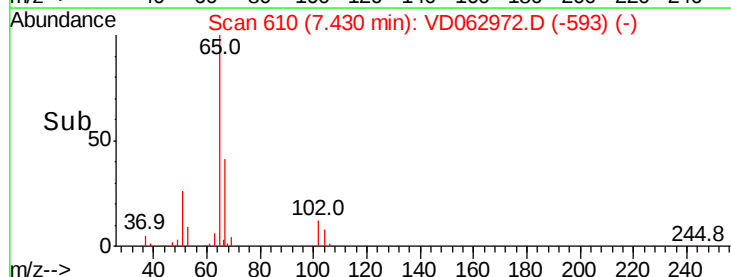
65 100

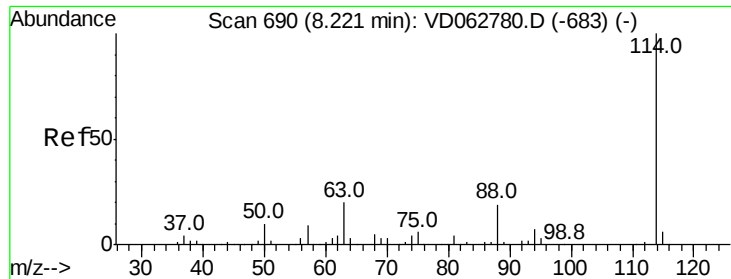
67 41.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

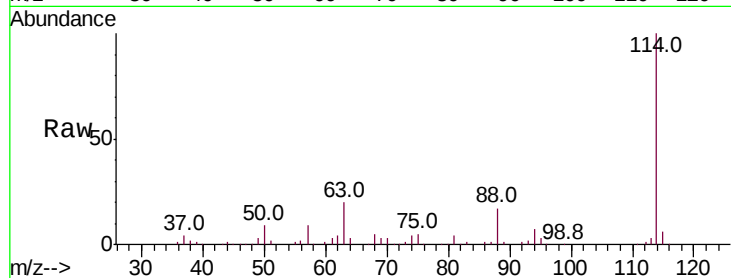




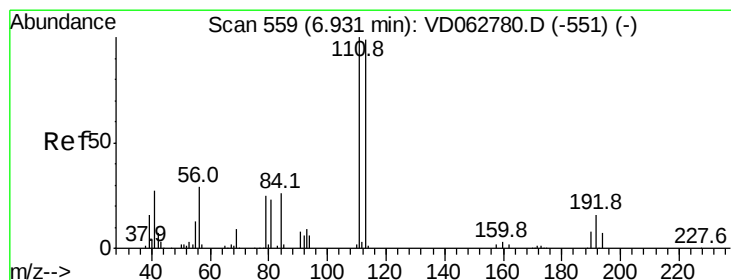
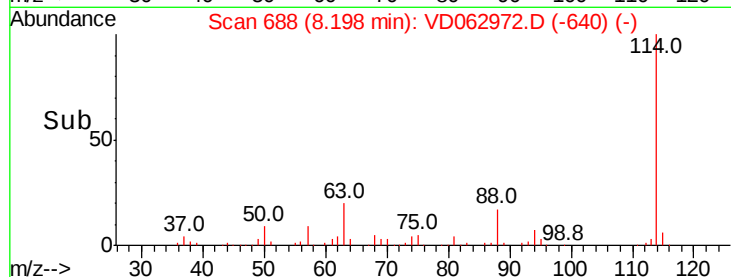
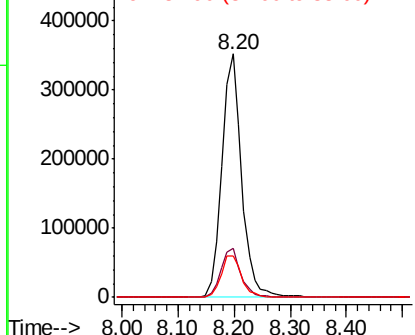
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062972.D
 Acq: 28 Jun 2019 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-16

Tot Ion:114 Resp: 863102
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 17.0 0.0 38.8

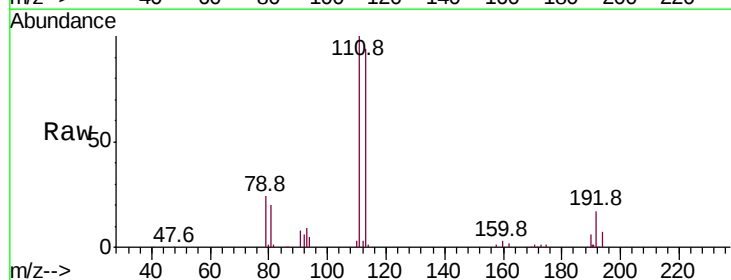


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

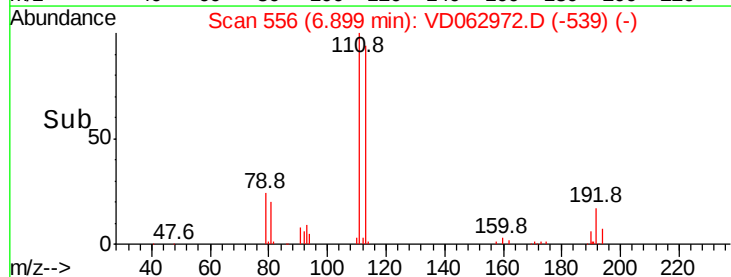
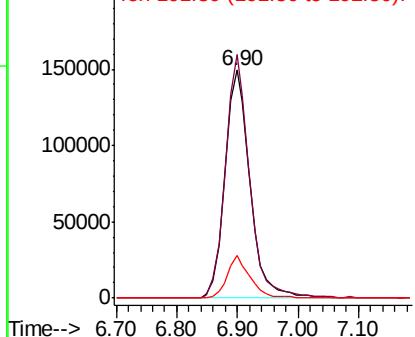


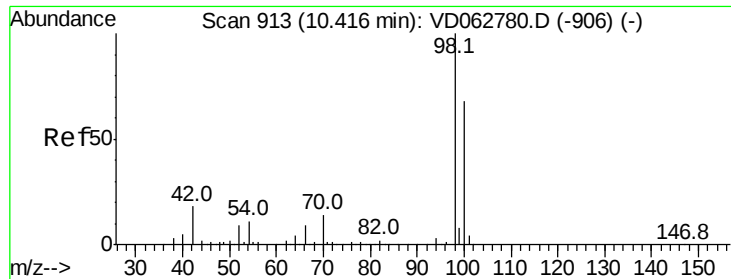
#35
 Dibromofluoromethane
 Concen: 58.919 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062972.D
 Acq: 28 Jun 2019 18:04

Tgt Ion:113 Resp: 428793
 Ion Ratio Lower Upper
 113 100
 111 106.8 81.2 121.8
 192 18.6 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

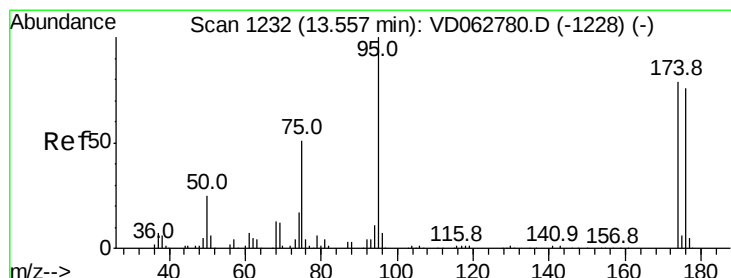
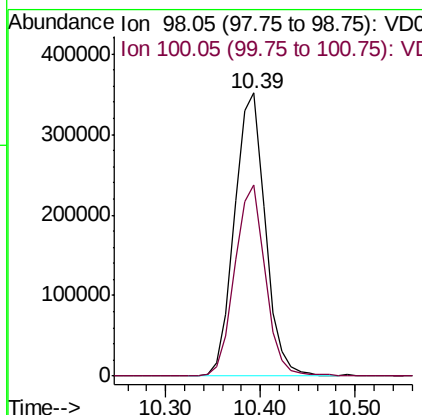
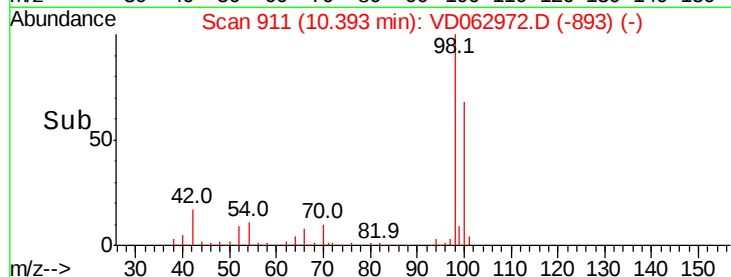
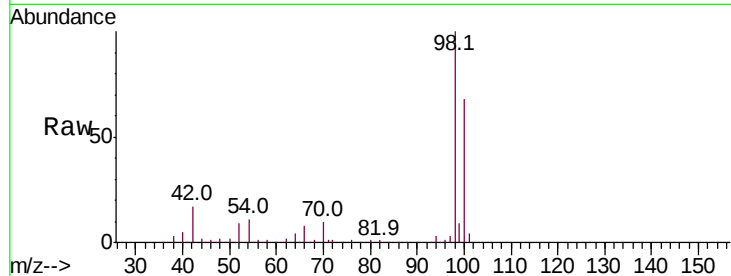




#50
Toluene-d8
Concen: 49.959 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062972.D
Acq: 28 Jun 2019 18:04

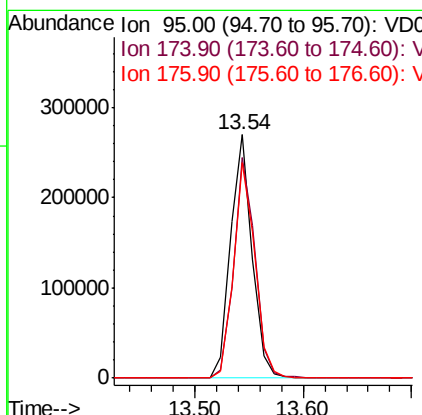
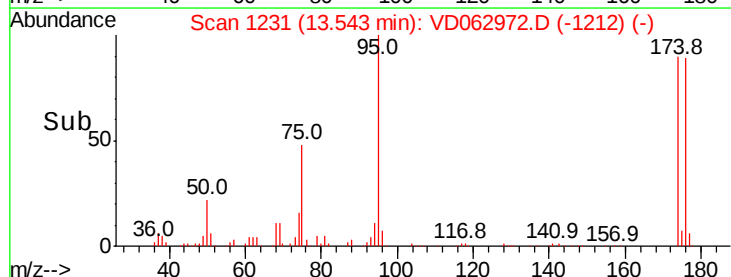
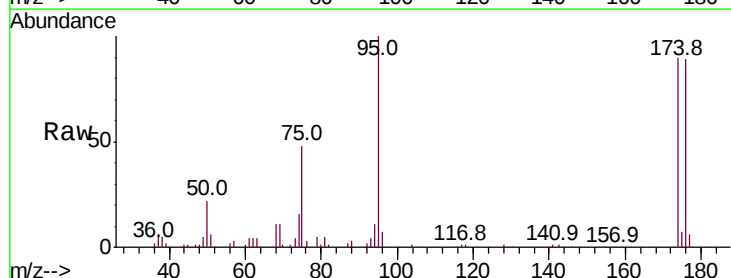
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-16

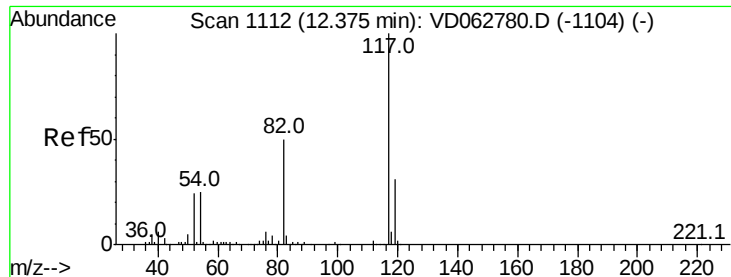
Tot Ion: 98 Resp: 791326
Ion Ratio Lower Upper
98 100
100 67.5 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 51.910 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062972.D
Acq: 28 Jun 2019 18:04

Tgt Ion: 95 Resp: 373873
Ion Ratio Lower Upper
95 100
174 90.5 0.0 158.0
176 88.5 0.0 151.6

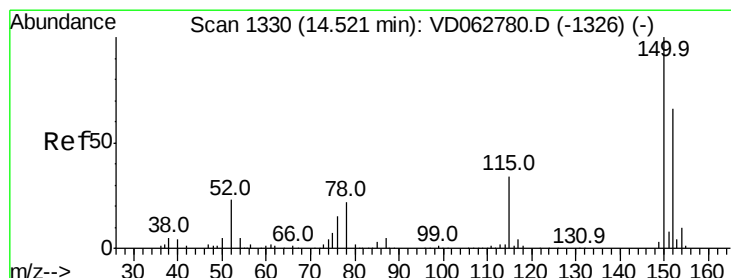
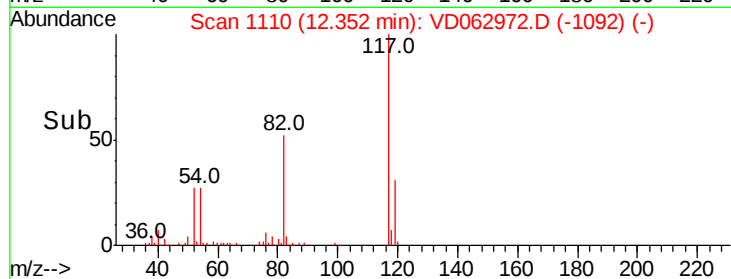
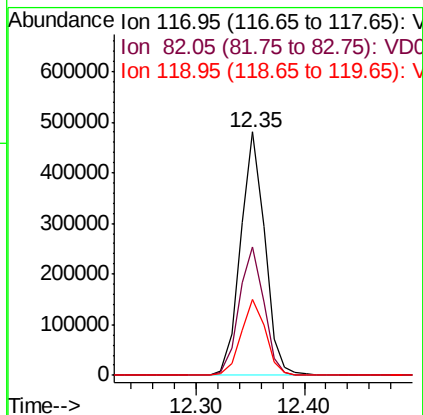
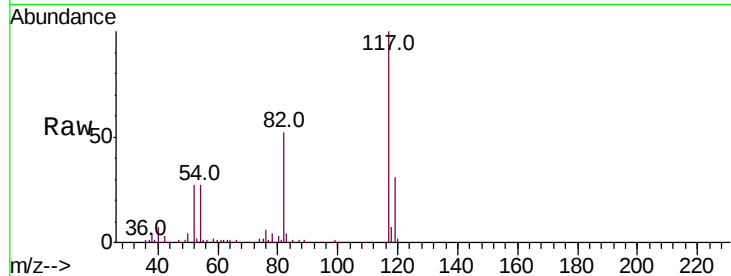




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062972.D
Acq: 28 Jun 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-16

Tot Ion:117 Resp: 746286
Ion Ratio Lower Upper
117 100
82 52.5 40.4 60.6
119 31.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062972.D
Acq: 28 Jun 2019 18:04

Tgt Ion:152 Resp: 394206
Ion Ratio Lower Upper
152 100
115 59.4 29.2 87.6
150 150.6 0.0 305.8

