

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060533.D
 Acq On : 11 Dec 2018 14:06
 Operator : VA/AP
 Sample : J6193-03
 Misc : 6.07g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-121018-B

Quant Time: Dec 12 03:43:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

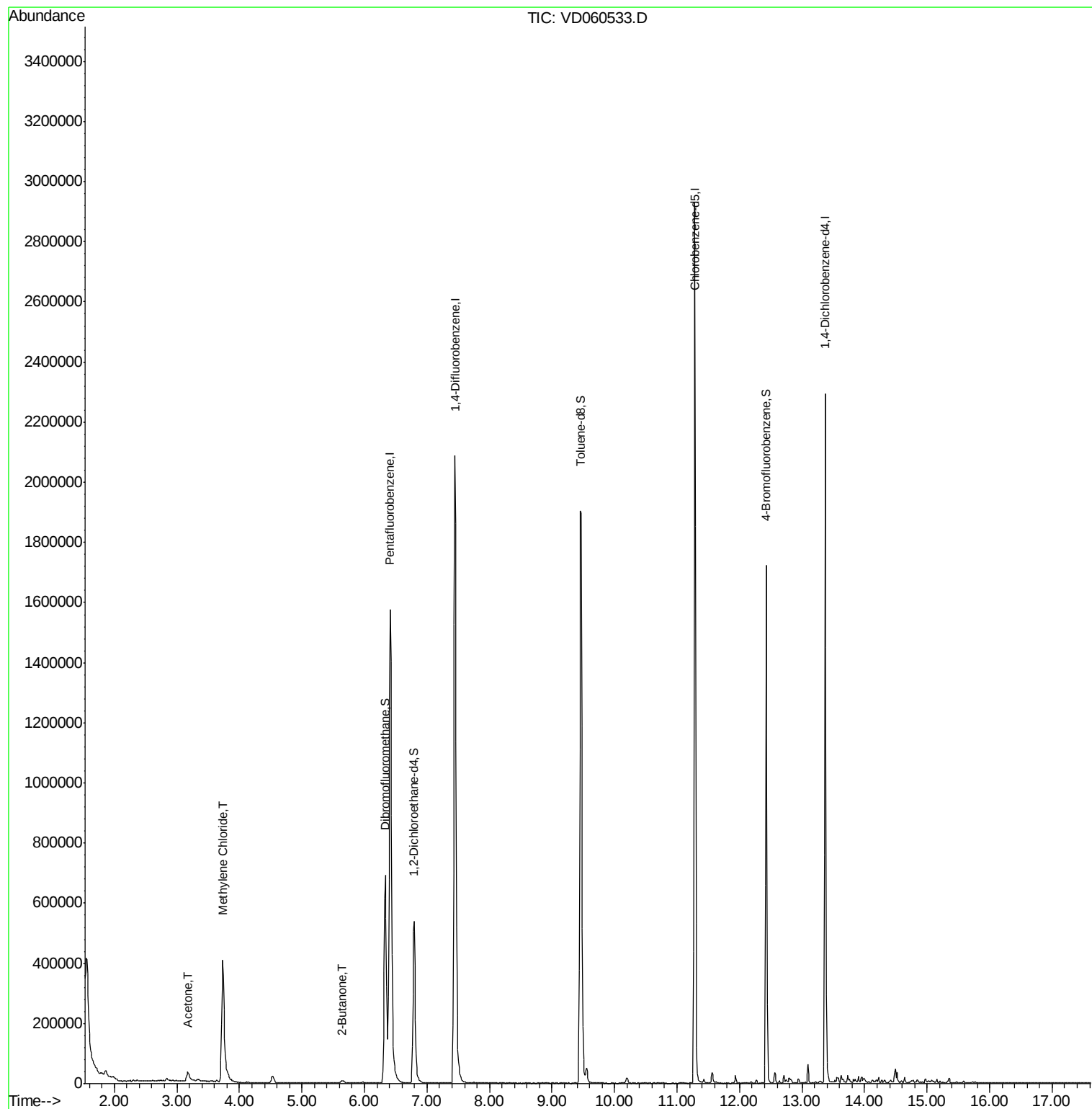
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1556700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2229404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1533708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	510146	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	468594	42.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.94%	
35) Dibromofluoromethane	6.33	113	562219	34.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.66%	
50) Toluene-d8	9.46	98	1614220	34.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.12%	
62) 4-Bromofluorobenzene	12.43	95	471759	27.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.64%	
Target Compounds						
16) Acetone	3.17	43	71659	40.517	ug/l	98
20) Methylene Chloride	3.74	84	282204	14.173	ug/l	94
25) 2-Butanone	5.63	43	11105	3.191	ug/l	98

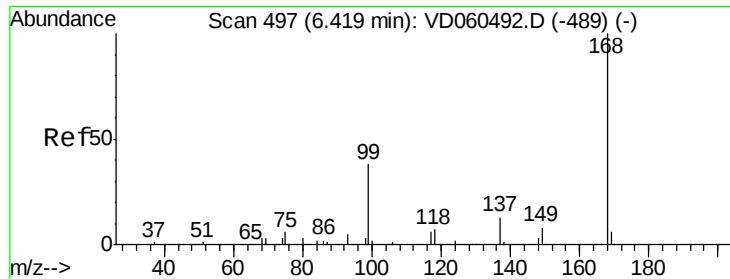
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

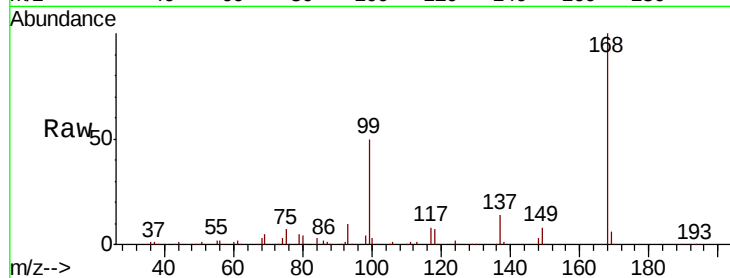
CL-01-121018-B

Tot Ion:168 Resp: 1556700

Ion Ratio Lower Upper

168 100

99 49.6 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

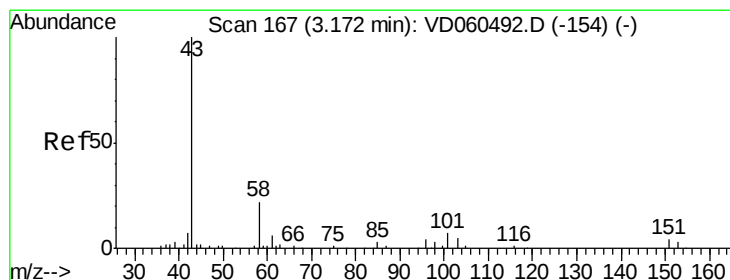
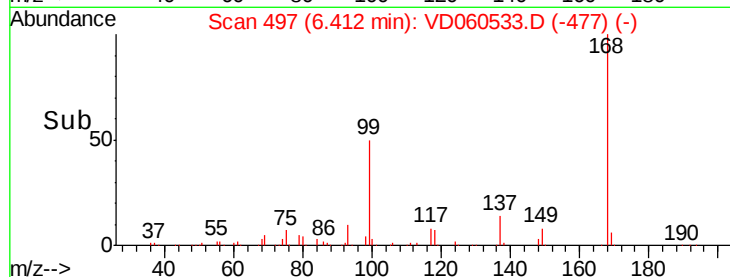
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#16

Acetone

Concen: 40.517 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060533.D

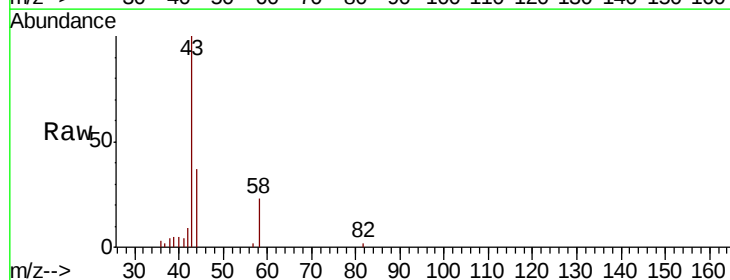
Acq: 11 Dec 2018 14:06

Tgt Ion: 43 Resp: 71659

Ion Ratio Lower Upper

43 100

58 22.7 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.17

20000

15000

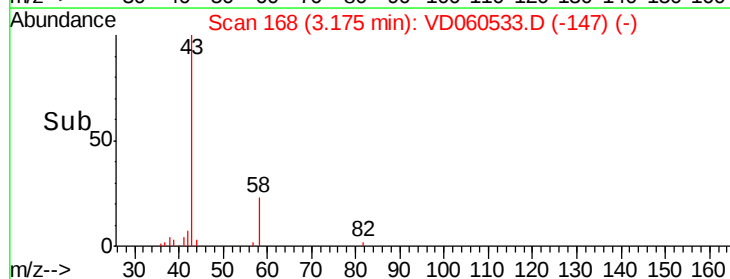
10000

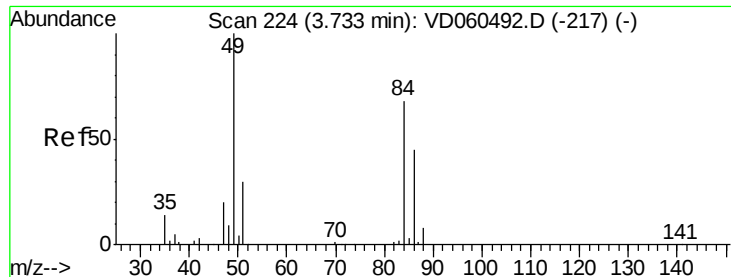
5000

0

3.00 3.10 3.20 3.30 3.40

Time-->

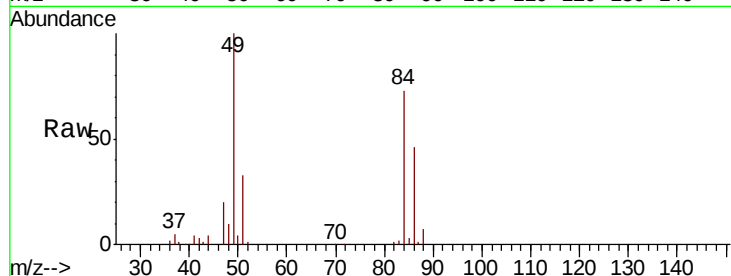




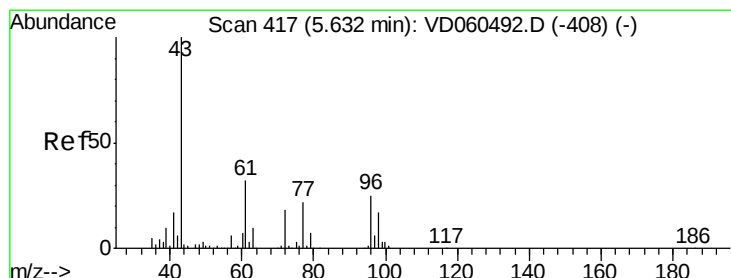
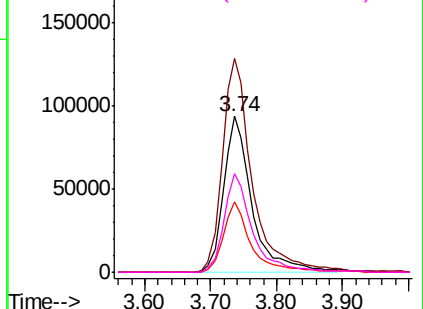
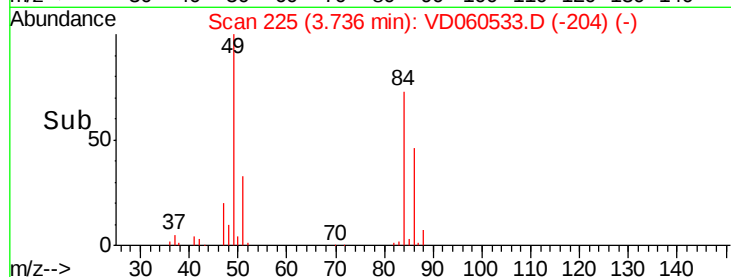
#20
Methvlene Chloride
Concen: 14.173 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-B

Tot Ion:	84	Resp:	282204
Ion	Ratio	Lower	Upper
84	100		
49	137.1	117.2	175.8
51	45.2	35.3	52.9
86	63.5	53.2	79.8

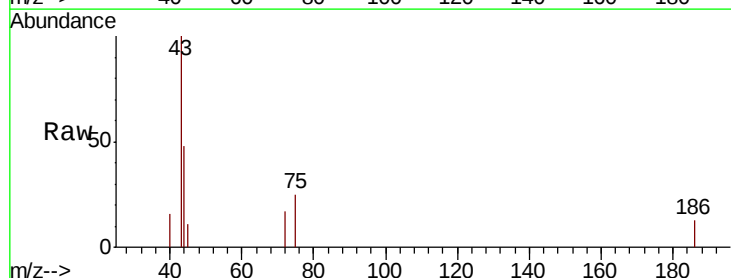


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

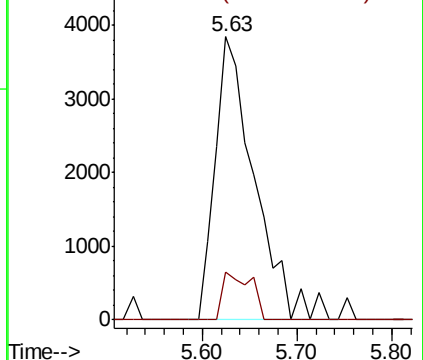
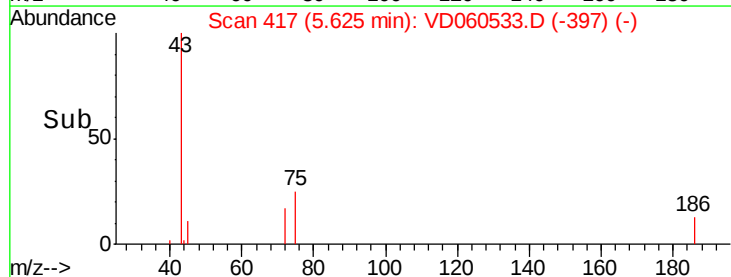


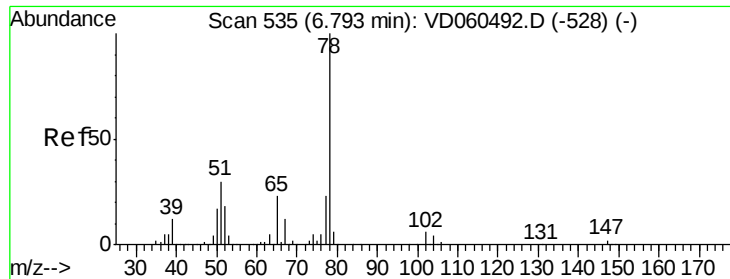
#25
2-Butanone
Concen: 3.191 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Tgt Ion:	43	Resp:	11105
Ion	Ratio	Lower	Upper
43	100		
72	17.1	14.6	21.8



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: N.D. ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

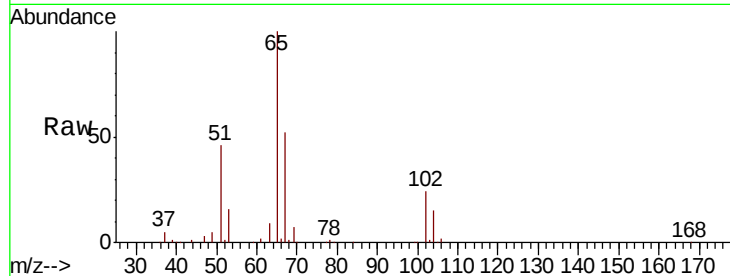
CL-01-121018-B

Tot Ion: 65 Resp: 468594

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

200000

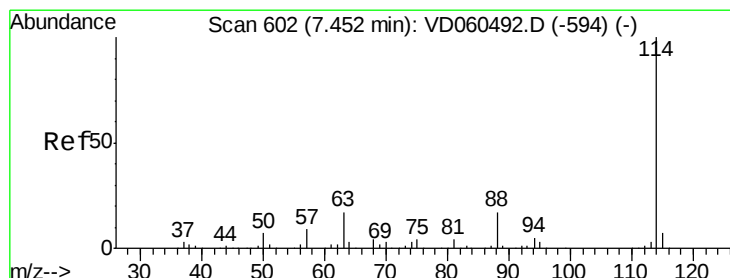
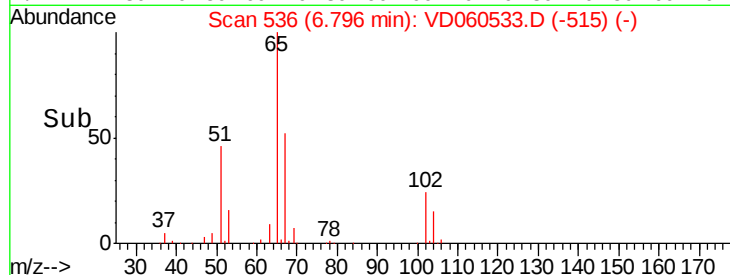
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

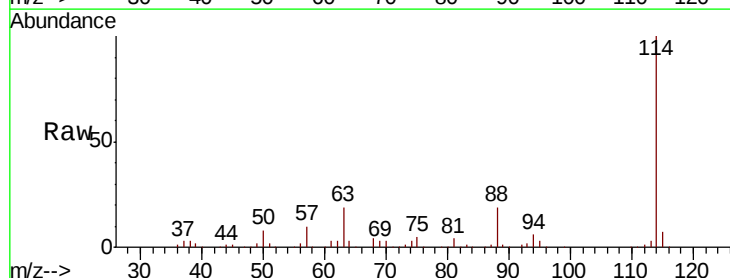
Tgt Ion: 114 Resp: 2229404

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.2

88 18.9 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

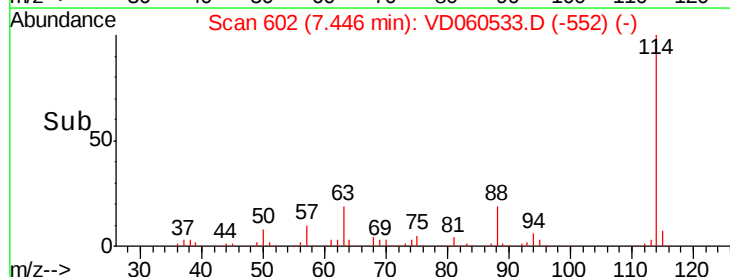
600000

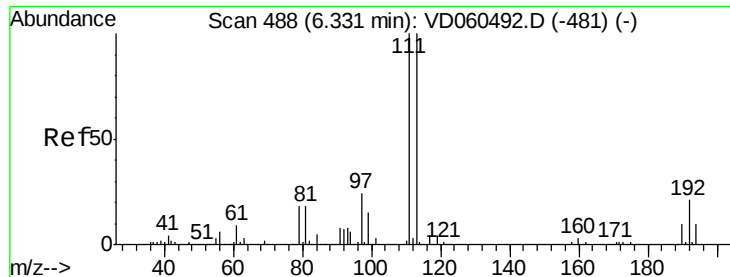
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-B

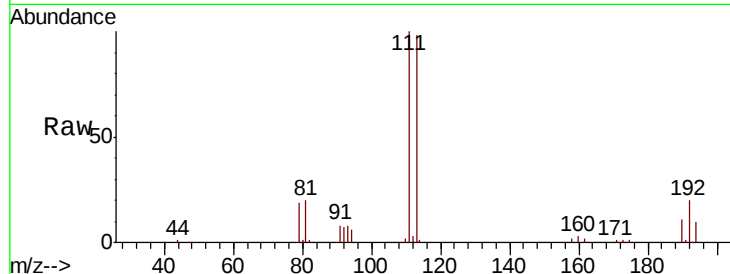
Tot Ion:113 Resp: 562219

Ion Ratio Lower Upper

113 100

111 101.7 80.2 120.4

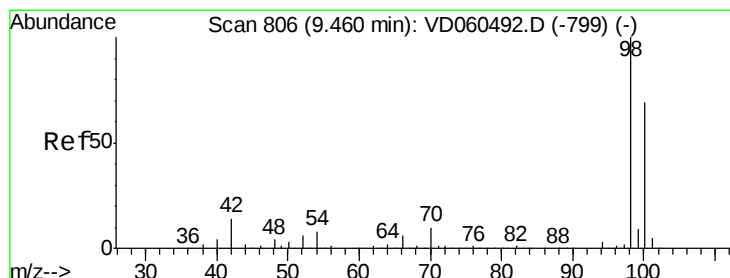
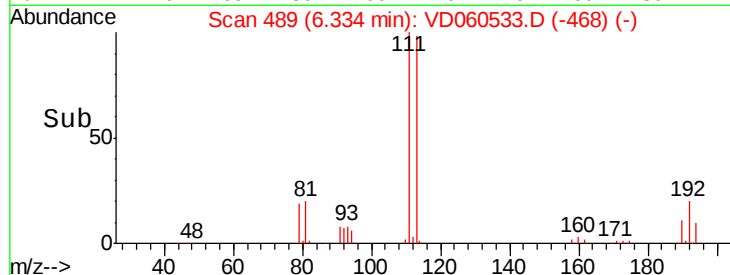
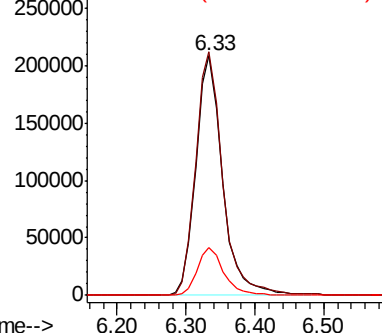
192 20.1 16.6 24.8



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: N.D. ug/l

RT: 9.46 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060533.D

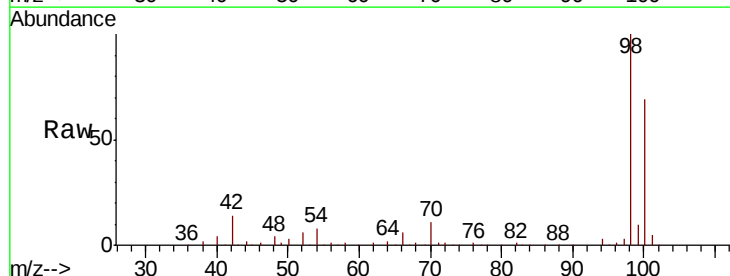
Acq: 11 Dec 2018 14:06

Tgt Ion: 98 Resp: 1614220

Ion Ratio Lower Upper

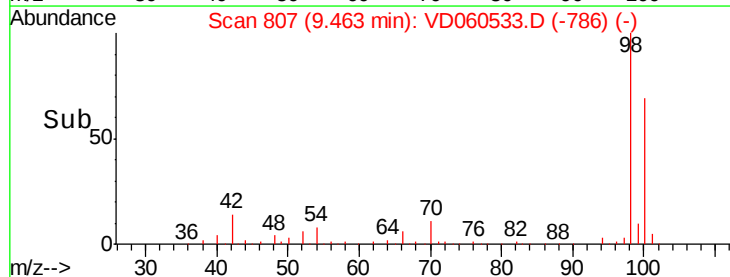
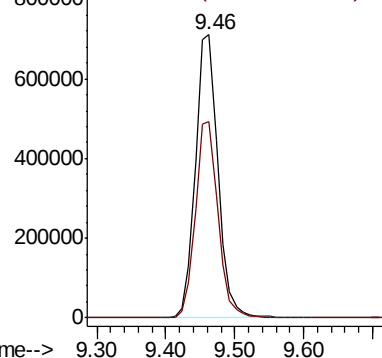
98 100

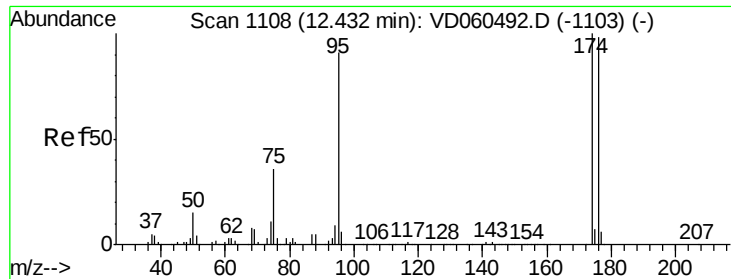
100 69.2 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

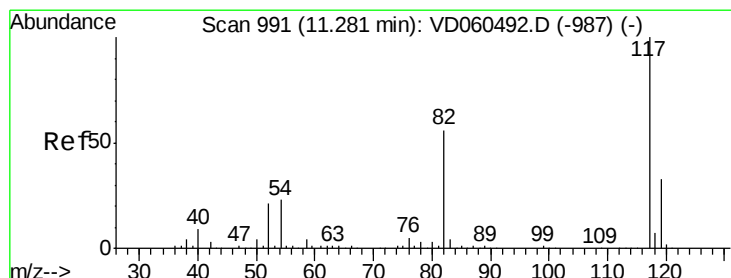
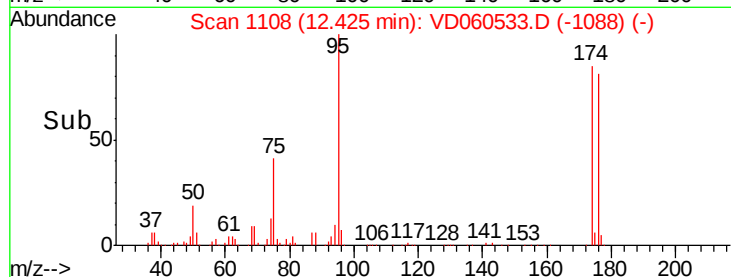
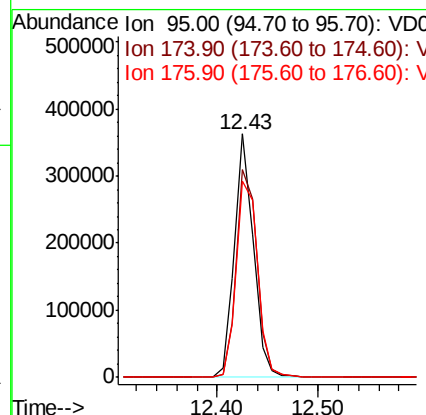
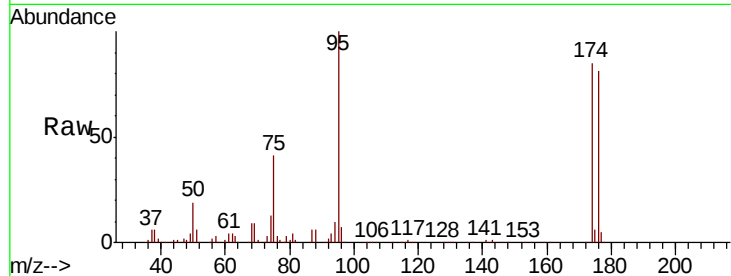




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

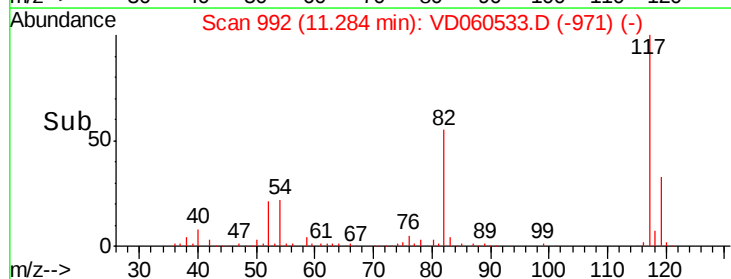
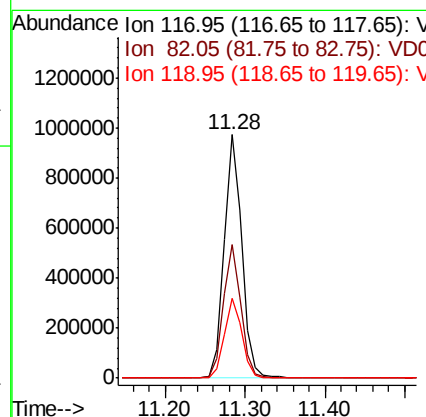
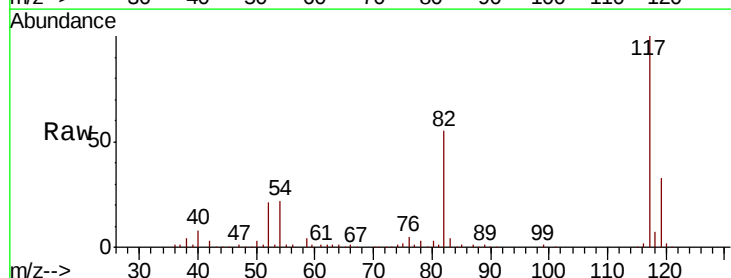
Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-B

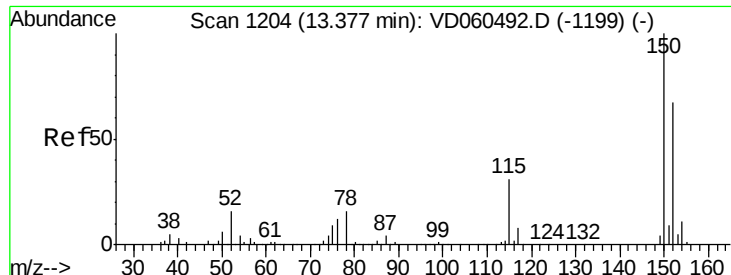
Tot Ion: 95 Resp: 471759
Ion Ratio Lower Upper
95 100
174 85.1 0.0 219.4
176 80.8 0.0 214.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Tgt Ion: 117 Resp: 1533708
Ion Ratio Lower Upper
117 100
82 54.7 45.2 67.8
119 32.8 26.1 39.1

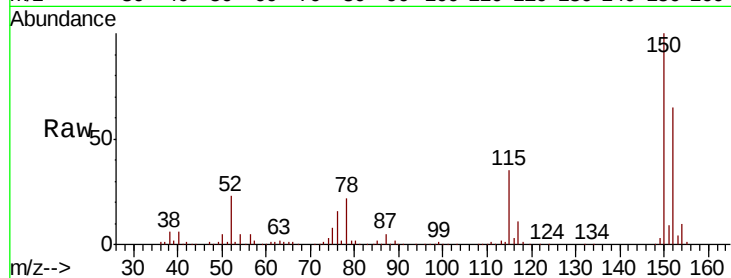




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.37 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: VD060533.D
 Acq: 11 Dec 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-121018-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	24.6	74.0
150	153.1	0.0	309.0



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

