

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060543.D
 Acq On : 12 Dec 2018 13:24
 Operator : VA/AP
 Sample : J6342-02RE
 Misc : 4.06g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RICH-REC-ROAD-STONE-8RE

Quant Time: Dec 13 00:31:09 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

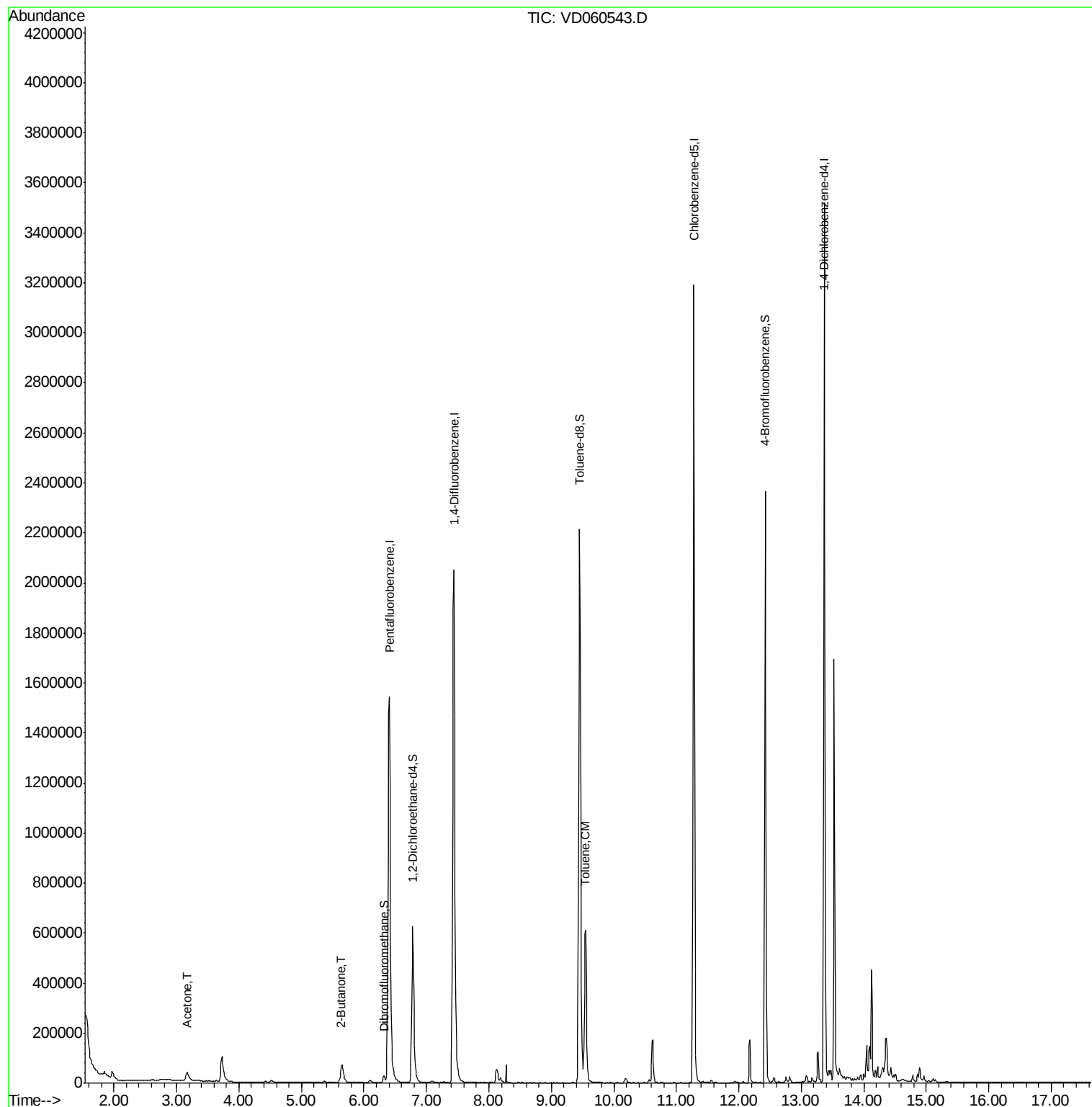
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1551248	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2221514	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1763230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	798538	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	502666	45.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.44%	
35) Dibromofluoromethane	6.32	113	21792	1.34	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	2.68%	
50) Toluene-d8	9.45	98	1832552	38.81	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	77.62%	
62) 4-Bromofluorobenzene	12.42	95	670713	39.70	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	79.40%	
Target Compounds						
16) Acetone	3.17	43	82645	46.892	ug/l	99
25) 2-Butanone	5.62	43	17639	5.087	ug/l	94
52) Toluene	9.55	92	326391	9.410	ug/l	99

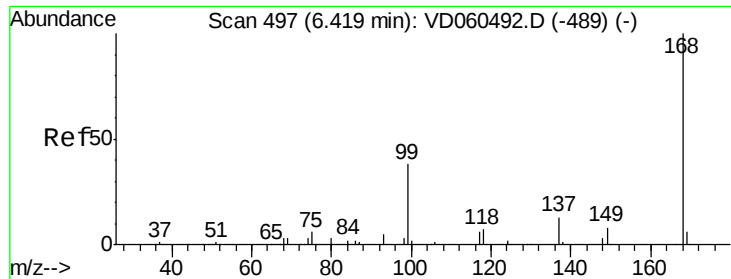
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060543.D

Acq: 12 Dec 2018 13:24

Instrument :

MSVOA_D

ClientSampleId :

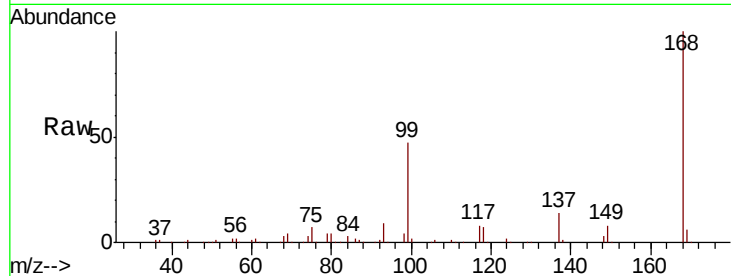
RICH-REC-ROAD-STONE-8RE

Tot Ion:168 Resp: 1551248

Ion Ratio Lower Upper

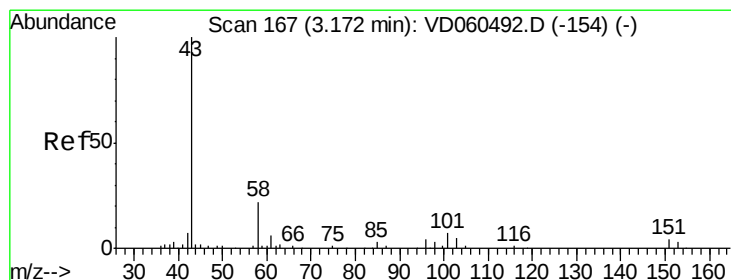
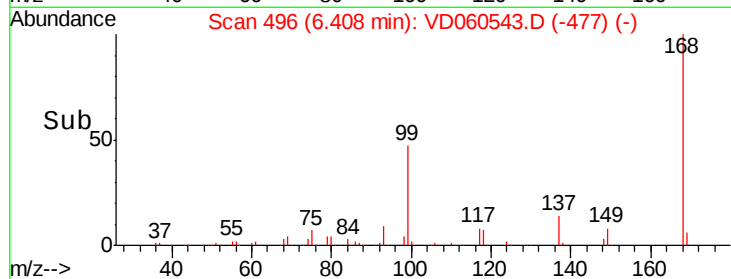
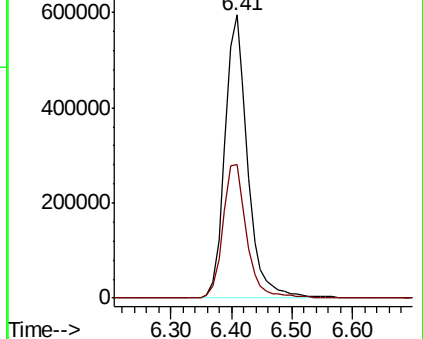
168 100

99 47.0 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 46.892 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060543.D

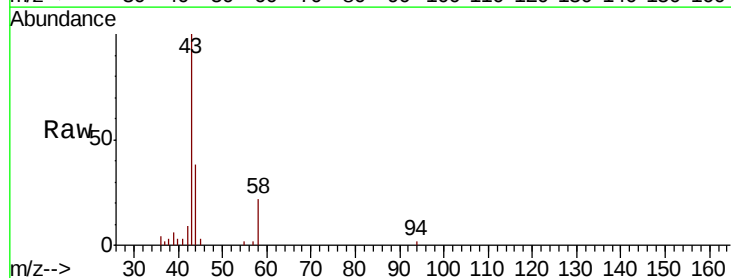
Acq: 12 Dec 2018 13:24

Tgt Ion: 43 Resp: 82645

Ion Ratio Lower Upper

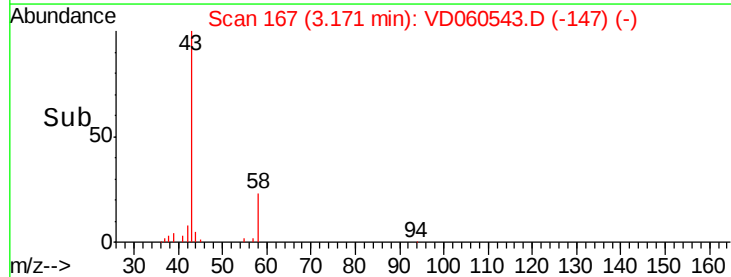
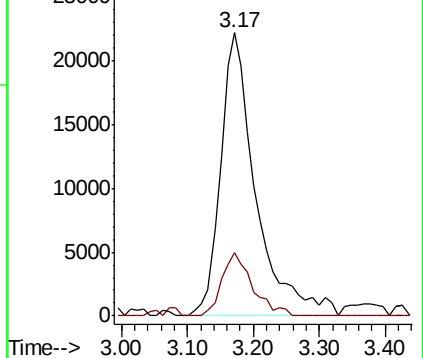
43 100

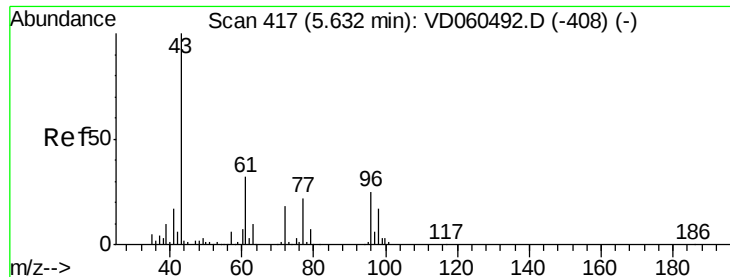
58 22.2 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 5.087 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060543.D

Acq: 12 Dec 2018 13:24

Instrument :

MSVOA_D

ClientSampleId :

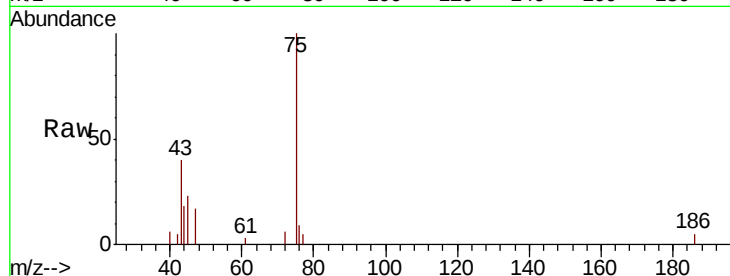
RICH-REC-ROAD-STONE-8RE

Tot Ion: 43 Resp: 17639

Ion Ratio Lower Upper

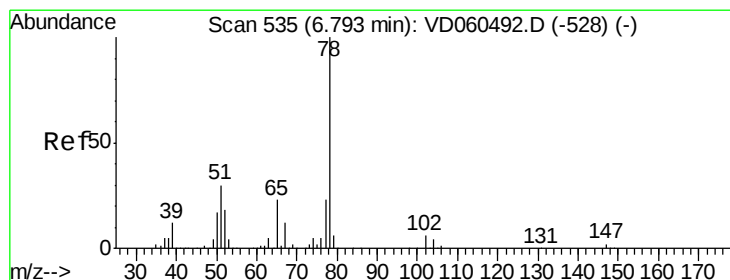
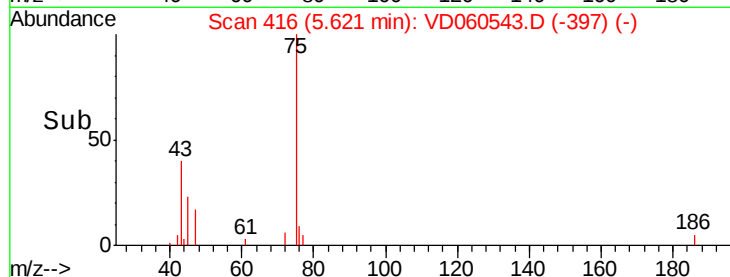
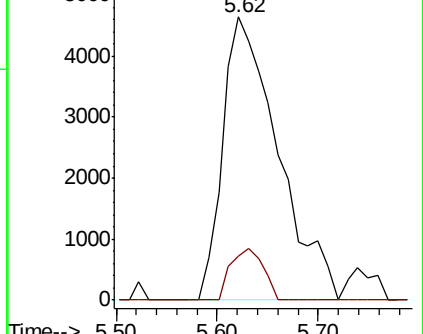
43 100

72 15.8 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: 6.78 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD060543.D

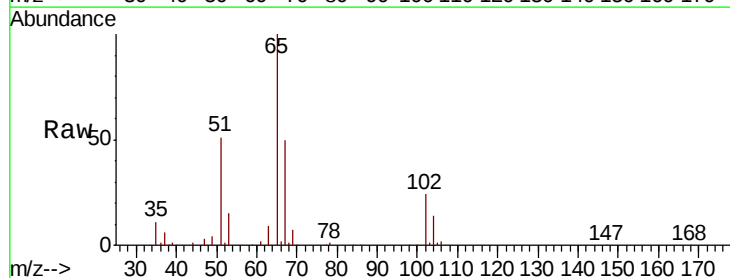
Acq: 12 Dec 2018 13:24

Tgt Ion: 65 Resp: 502666

Ion Ratio Lower Upper

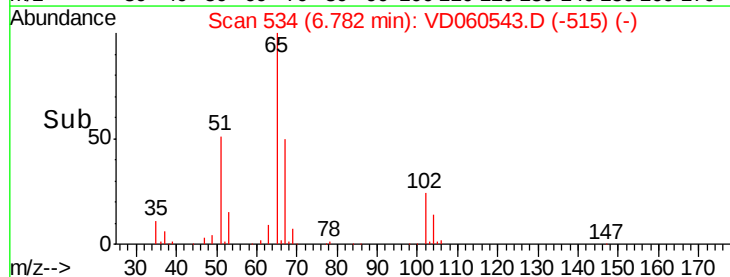
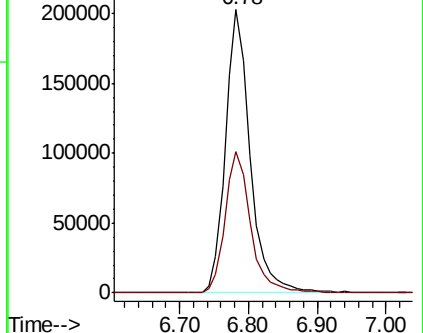
65 100

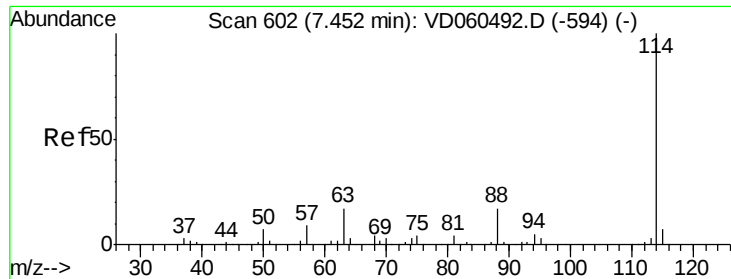
67 49.9 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

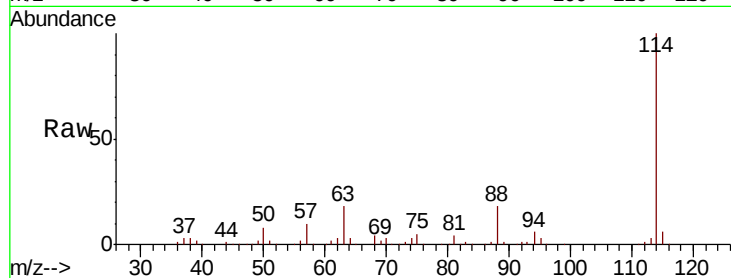




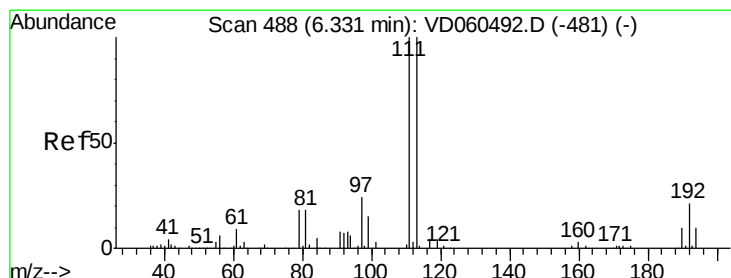
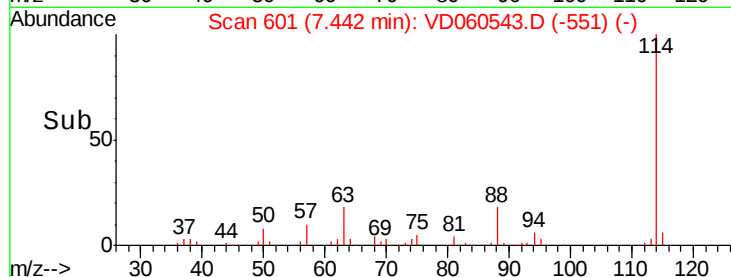
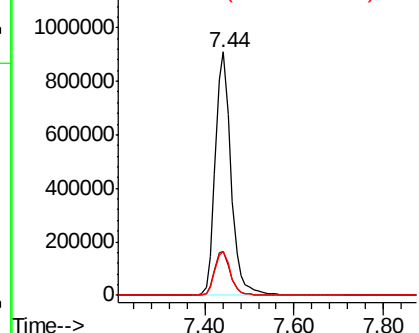
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060543.D
 Acq: 12 Dec 2018 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 RICH-REC-ROAD-STONE-8RE

Tot Ion:114 Resp: 2221514
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.2
 88 18.2 0.0 35.0

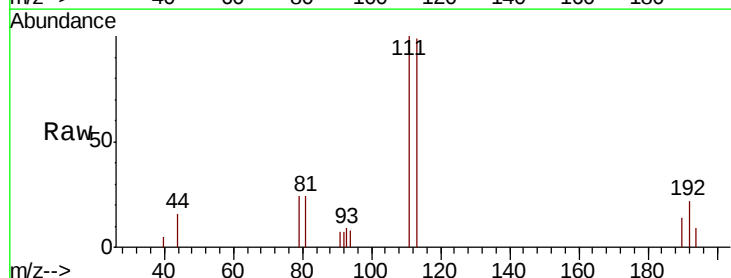


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

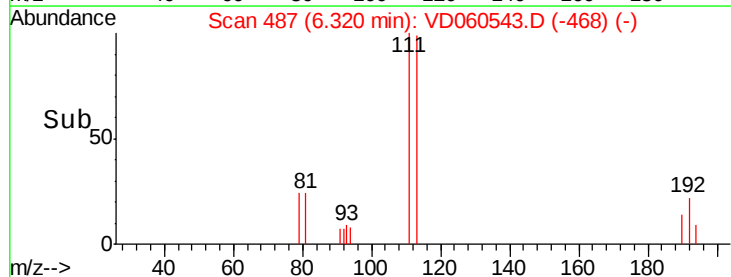
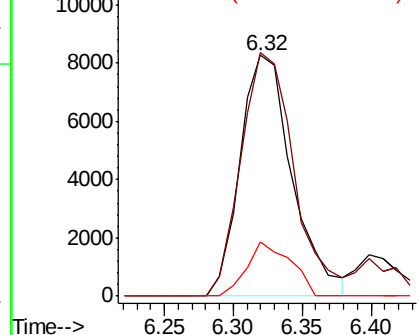


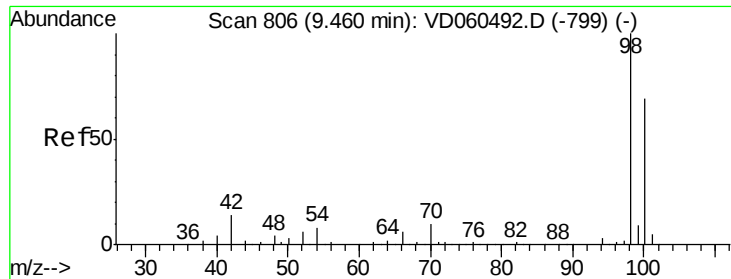
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VD060543.D
 Acq: 12 Dec 2018 13:24

Tgt Ion:113 Resp: 21792
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.2 120.4
 192 22.7 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

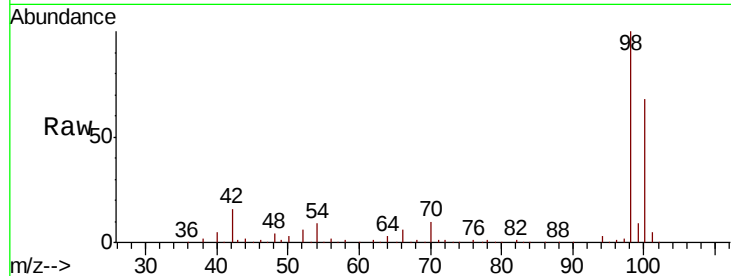




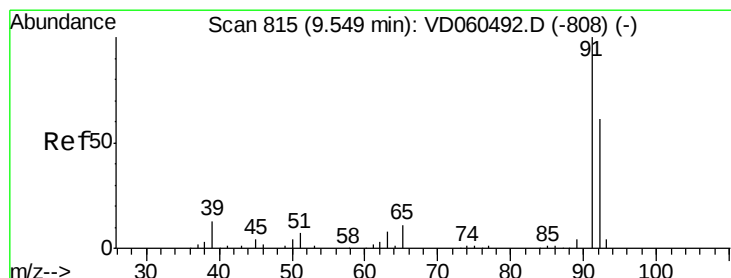
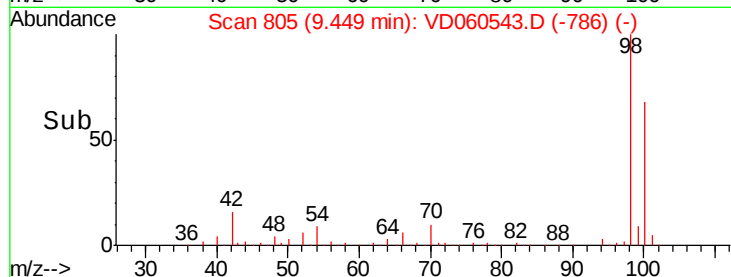
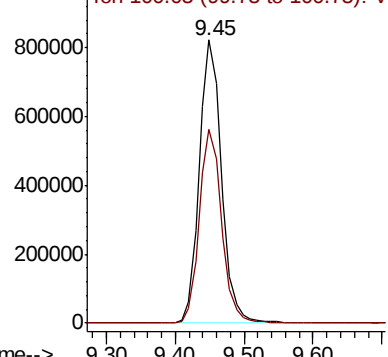
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060543.D
Acq: 12 Dec 2018 13:24

Instrument :
MSVOA_D
ClientSampleId :
RICH-REC-ROAD-STONE-8RE

Tot Ion: 98 Resp: 1832552
Ion Ratio Lower Upper
98 100
100 68.4 55.7 83.5

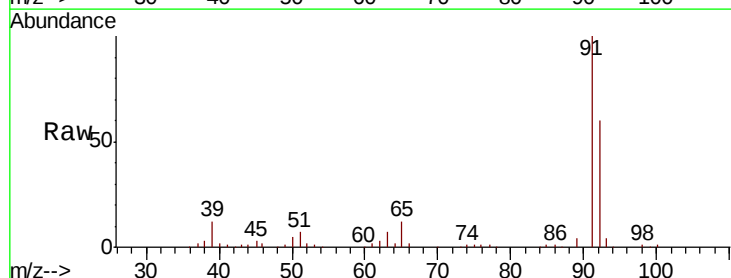


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

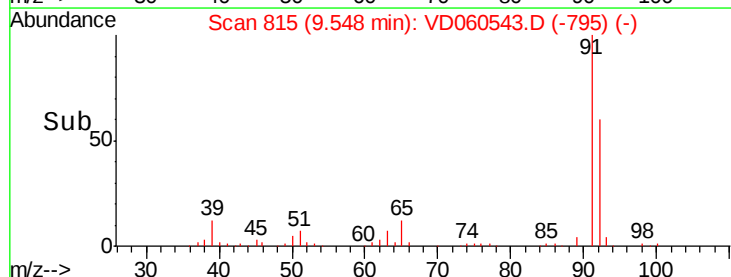
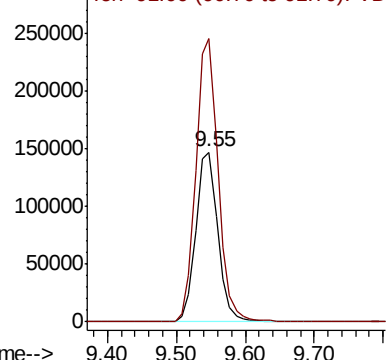


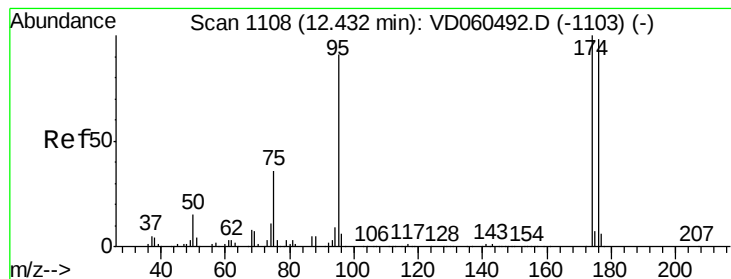
#52
Toluene
Concen: 9.410 ug/l
RT: 9.55 min Scan# 815
Delta R.T. -0.00 min
Lab File: VD060543.D
Acq: 12 Dec 2018 13:24

Tgt Ion: 92 Resp: 326391
Ion Ratio Lower Upper
92 100
91 166.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060543.D

Acq: 12 Dec 2018 13:24

Instrument :

MSVOA_D

ClientSampleId :

RICH-REC-ROAD-STONE-8RE

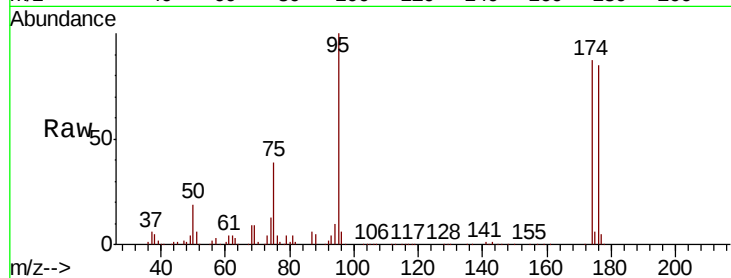
Tot Ion: 95 Resp: 670713

Ion Ratio Lower Upper

95 100

174 86.9 0.0 219.4

176 84.5 0.0 214.6



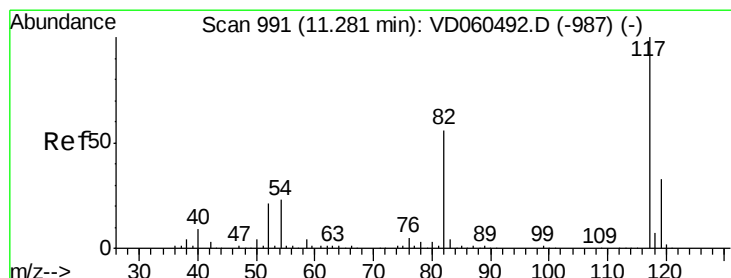
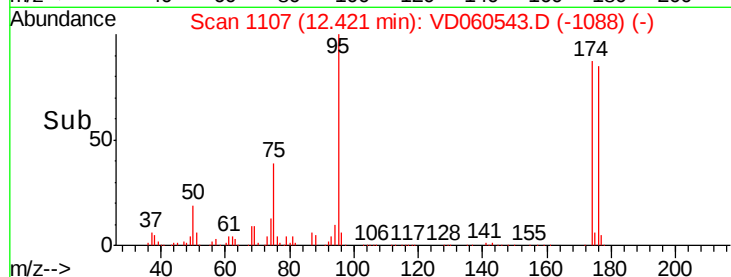
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD060543.D

Acq: 12 Dec 2018 13:24

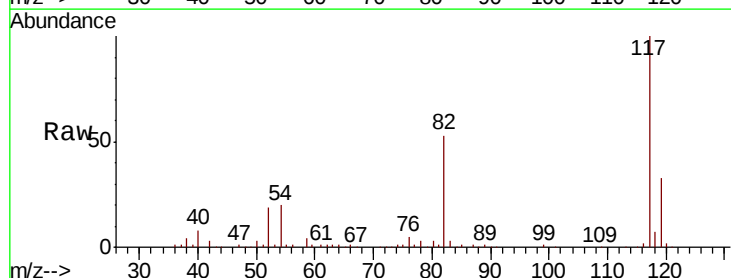
Tgt Ion: 117 Resp: 1763230

Ion Ratio Lower Upper

117 100

82 52.8 45.2 67.8

119 33.0 26.1 39.1



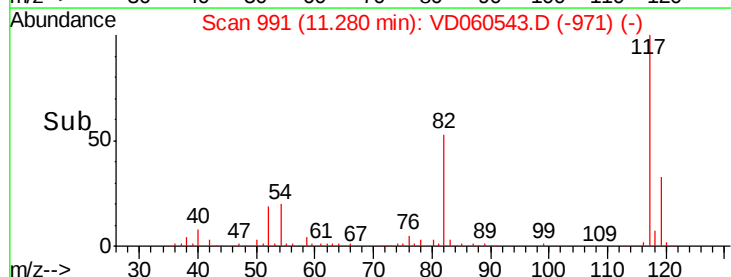
Abundance Ion 116.95 (116.65 to 117.65): V

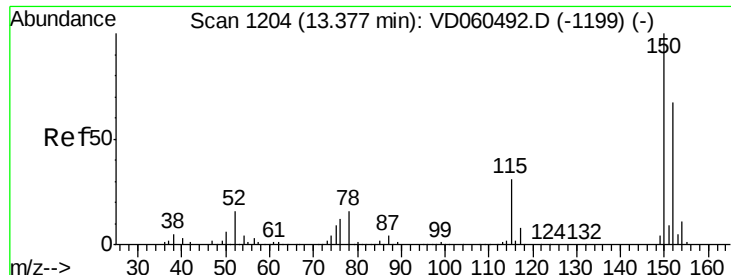
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

11.28

Time-->

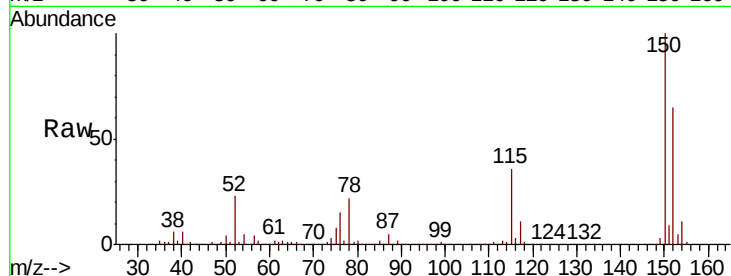




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.37 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VD060543.D
 Acq: 12 Dec 2018 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 RICH-REC-ROAD-STONE-8RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	24.6	74.0
150	154.4	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

