

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060017.D
 Acq On : 17 Sep 2018 13:16
 Operator : JC/SY
 Sample : J4906-17RE
 Misc : 4.96g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-9RE

Quant Time: Sep 18 13:01:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1184857	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	1673147	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1218652	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	397327	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	441353	47.77	ug/l	0.01
Spiked Amount			Recovery	=	95.54%	
35) Dibromofluoromethane	6.31	113	553051	42.31	ug/l	0.01
Spiked Amount			Recovery	=	84.62%	
50) Toluene-d8	9.45	98	1794341	49.53	ug/l	0.01
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.43	95	816577	59.00	ug/l	0.02
Spiked Amount			Recovery	=	118.00%	

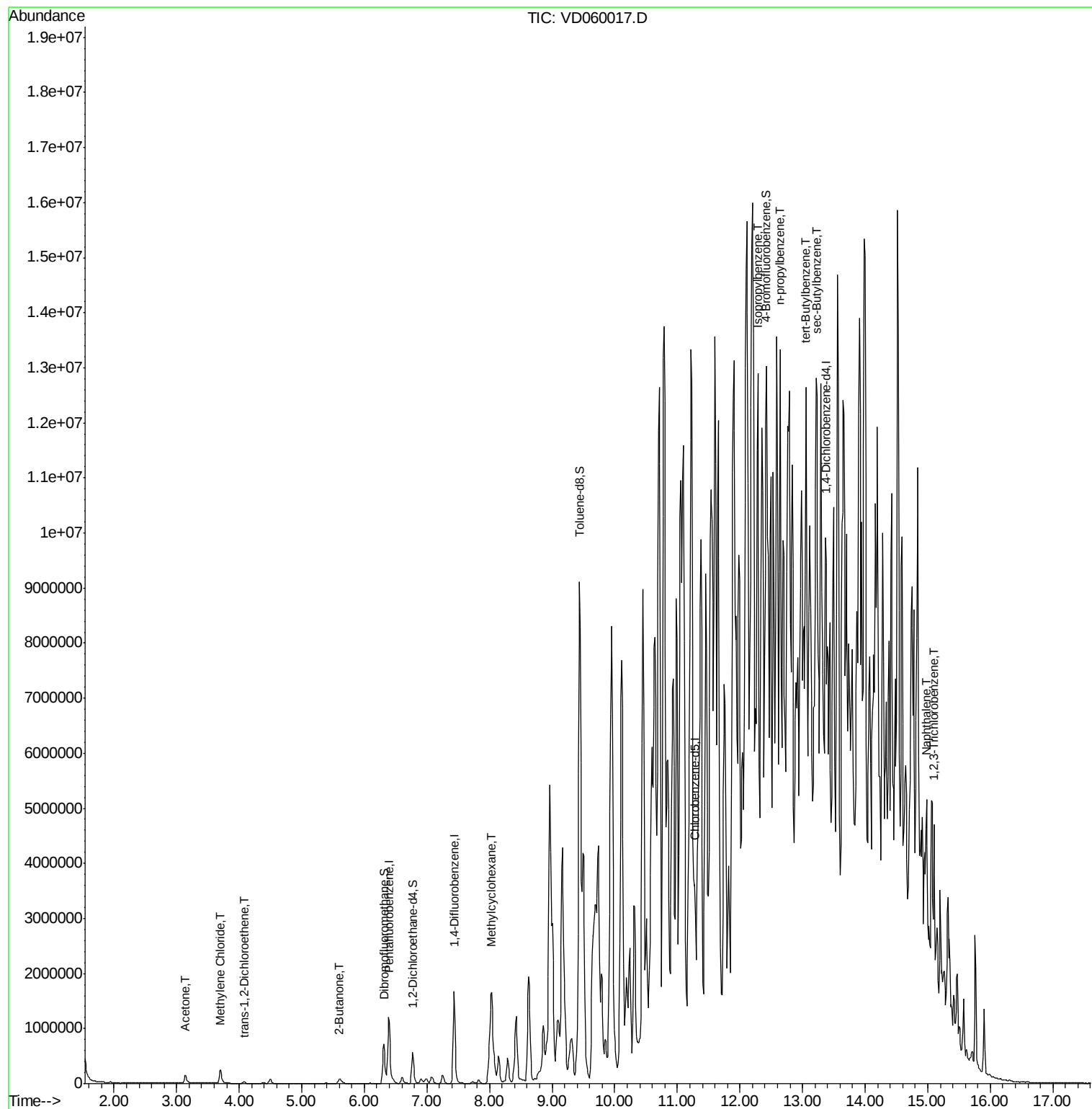
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.14	43	261542	146.61	ug/l	99
20) Methylene Chloride	3.70	84	146323	5.05	ug/l	98
21) trans-1,2-Dichloroethene	4.08	96	15409	1.20	ug/l	96
25) 2-Butanone	5.60	43	146868	30.51	ug/l	99
39) Methylcyclohexane	8.03	83	931141	49.53	ug/l	97
73) Isopropylbenzene	12.28	105	5423426	208.12	ug/l	99
78) n-propylbenzene	12.64	91	8969333	273.71	ug/l	96
83) tert-Butylbenzene	13.04	119	836013m	36.13	ug/l	
85) sec-Butylbenzene	13.23	105	3666403	133.48	ug/l	97
95) Naphthalene	14.97	128	383127	26.67	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.09	180	9446	1.15	ug/l #	1

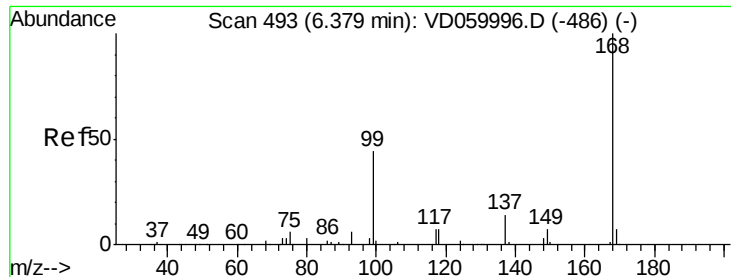
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091718\
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Quant Time: Sep 18 13:01:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060017.D

Acq: 17 Sep 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

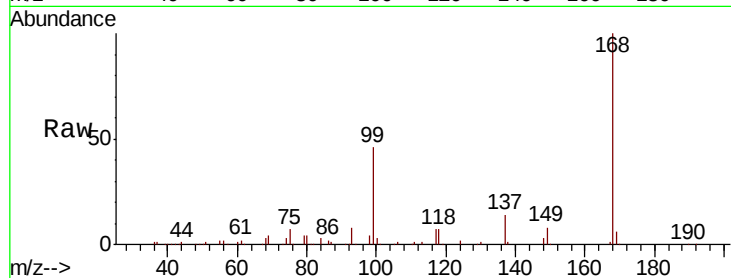
SP-PIT-9RE

Tot Ion:168 Resp: 1184857

Ion Ratio Lower Upper

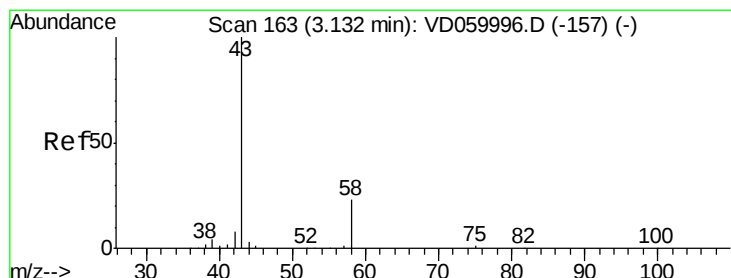
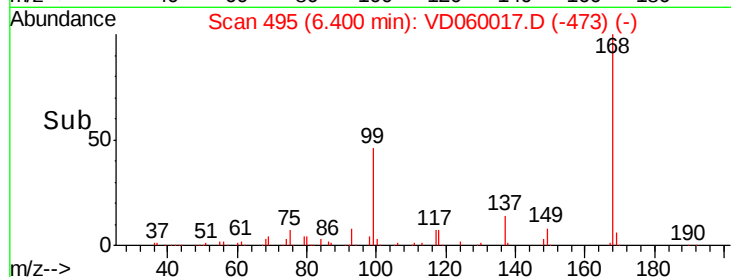
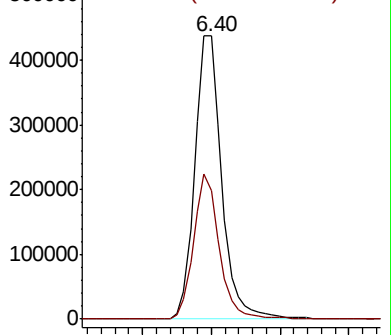
168 100

99 45.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 146.61 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060017.D

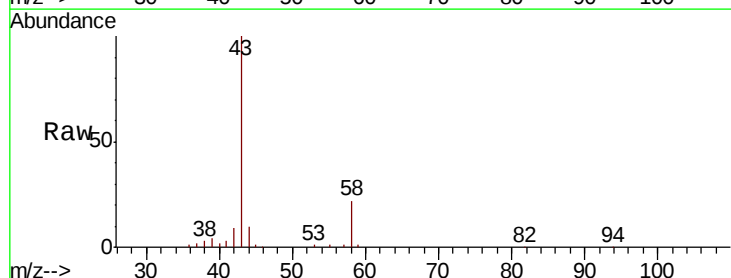
Acq: 17 Sep 2018 13:16

Tgt Ion: 43 Resp: 261542

Ion Ratio Lower Upper

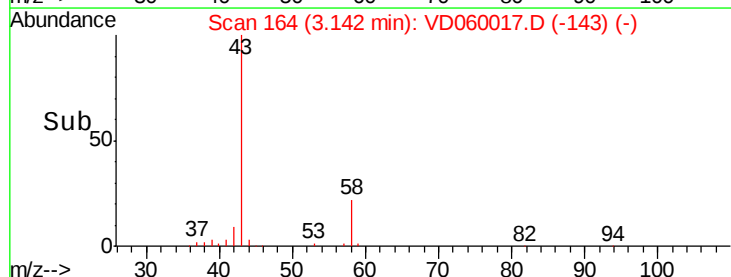
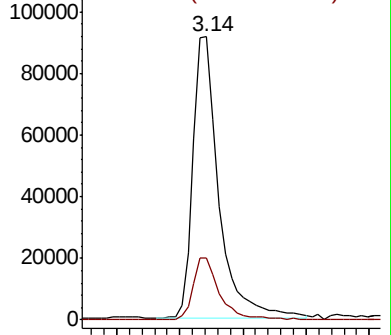
43 100

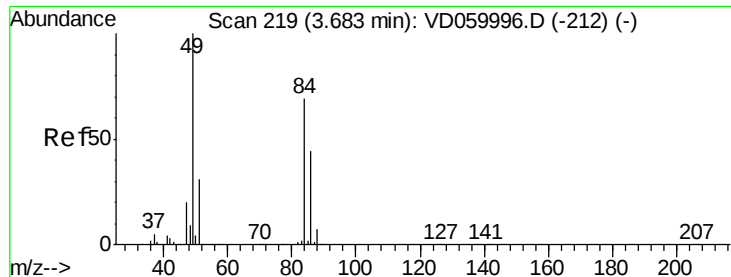
58 22.0 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

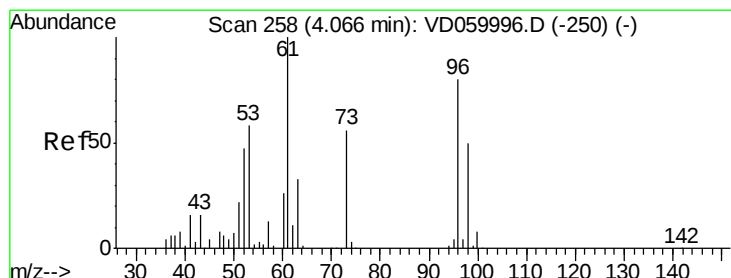
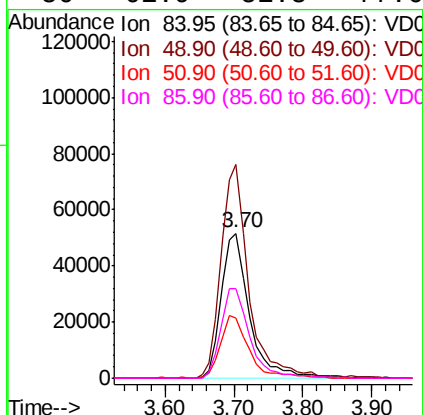
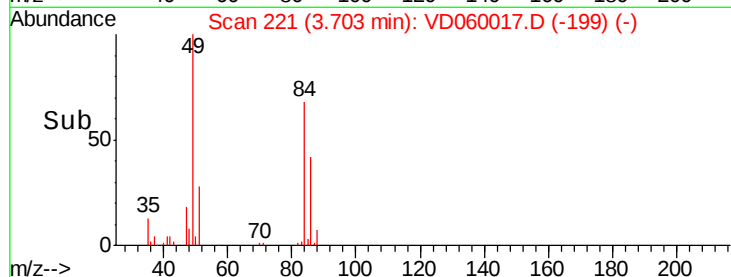
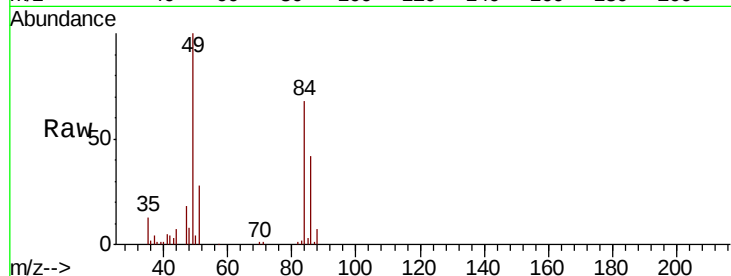




#20
Methylene Chloride
Concen: 5.05 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060017.D
Acq: 17 Sep 2018 13:16

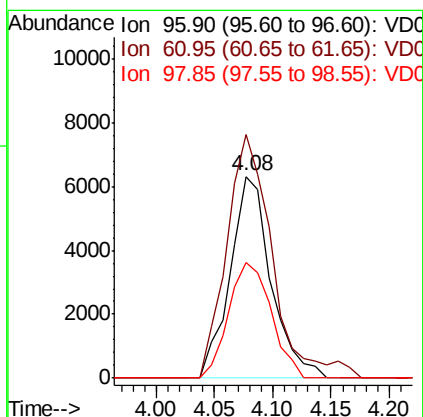
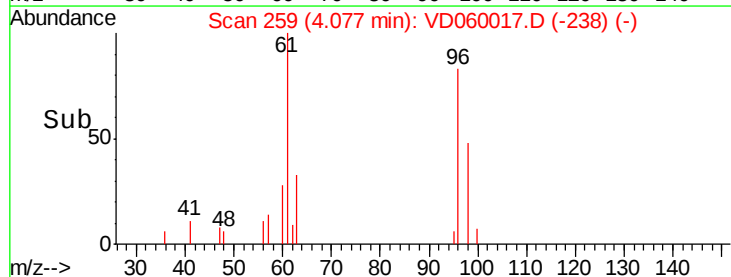
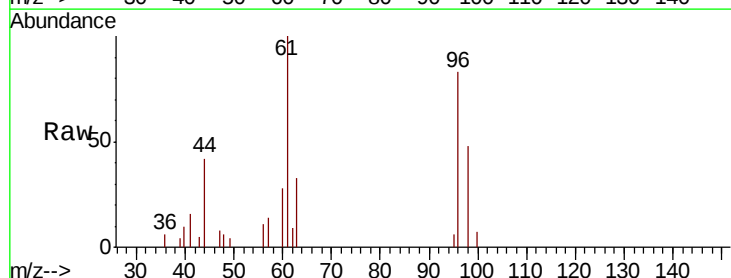
Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-9RE

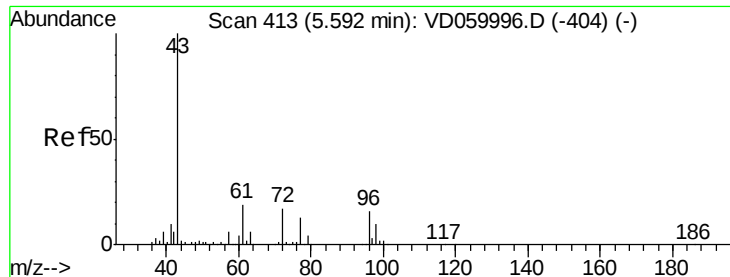
Tot Ion: 84 Resp: 146323
Ion Ratio Lower Upper
84 100
49 147.2 116.6 175.0
51 41.8 35.9 53.9
86 61.9 51.8 77.6



#21
trans-1,2-Dichloroethene
Concen: 1.20 ug/l
RT: 4.08 min Scan# 259
Delta R.T. 0.01 min
Lab File: VD060017.D
Acq: 17 Sep 2018 13:16

Tgt Ion: 96 Resp: 15409
Ion Ratio Lower Upper
96 100
61 120.9 100.1 150.1
98 57.6 49.5 74.3





#25

2-Butanone

Concen: 30.51 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060017.D

Acq: 17 Sep 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

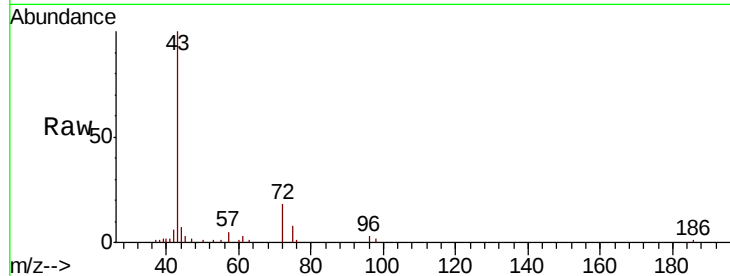
SP-PIT-9RE

Tot Ion: 43 Resp: 146868

Ion Ratio Lower Upper

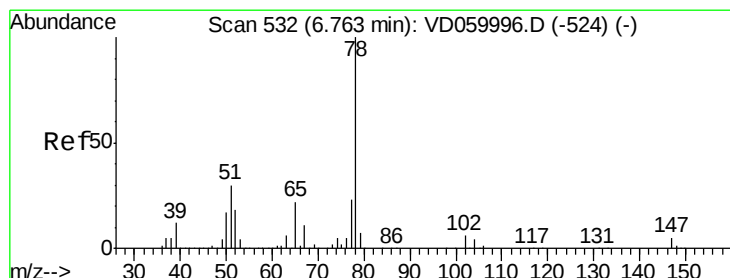
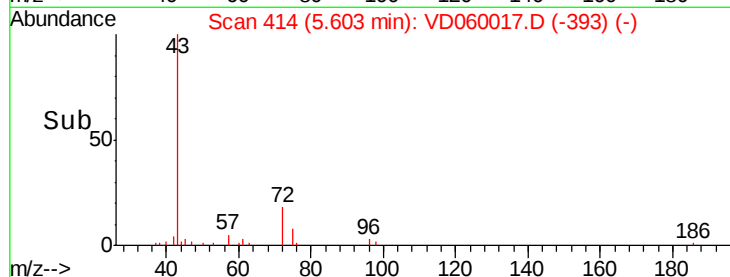
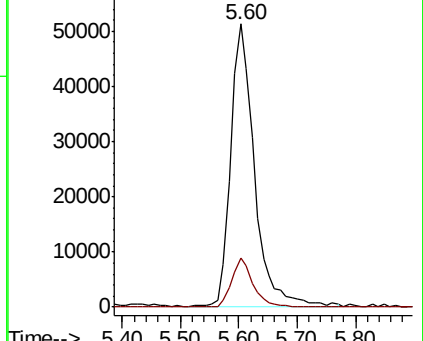
43 100

72 17.5 13.6 20.4



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: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060017.D

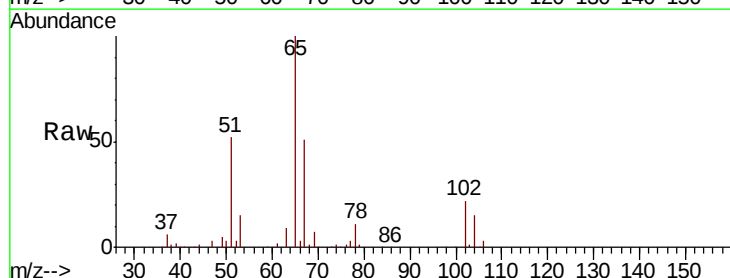
Acq: 17 Sep 2018 13:16

Tgt Ion: 65 Resp: 441353

Ion Ratio Lower Upper

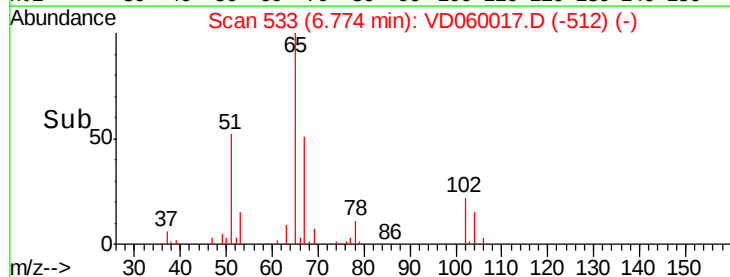
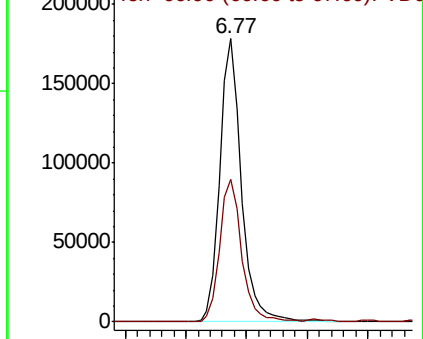
65 100

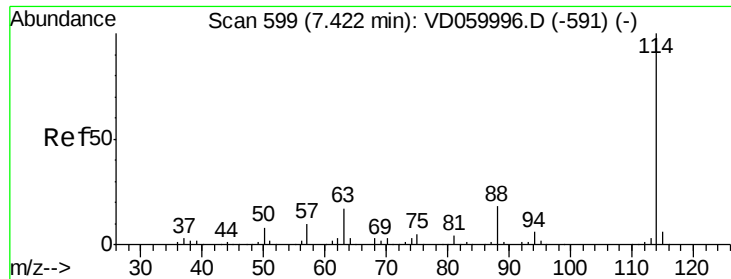
67 50.6 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



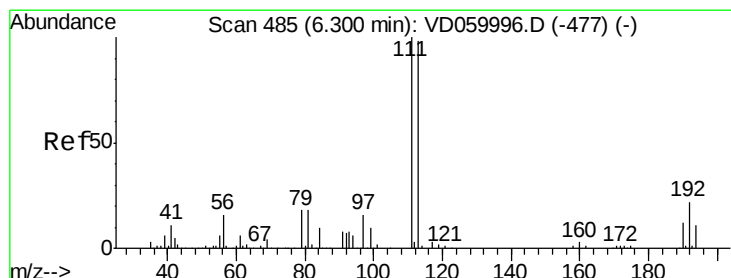
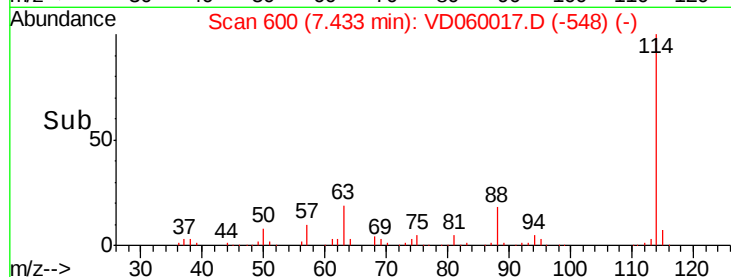
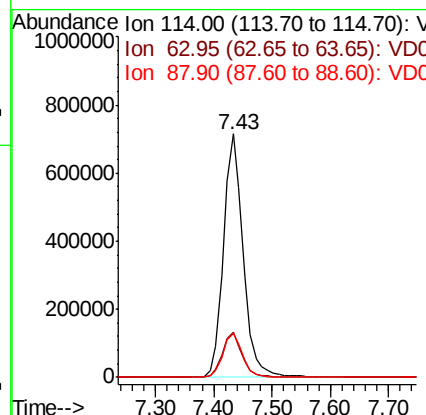
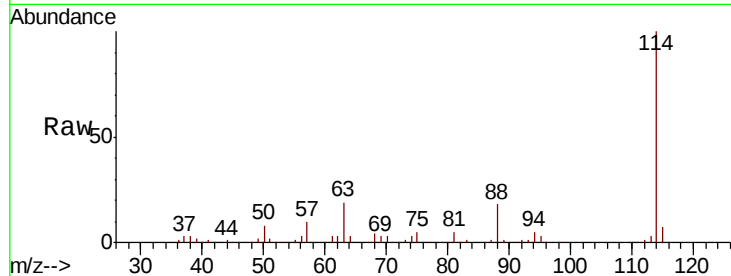


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060017.D
 Acq: 17 Sep 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-9RE

Tot Ion:114 Resp: 1673147

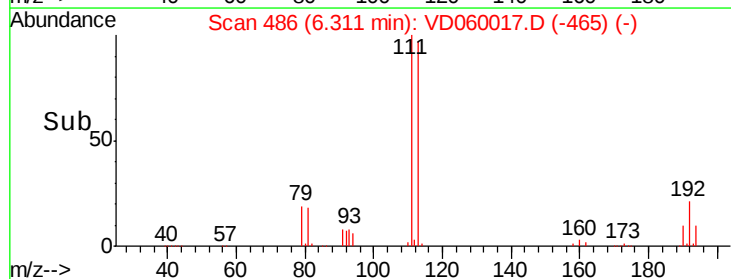
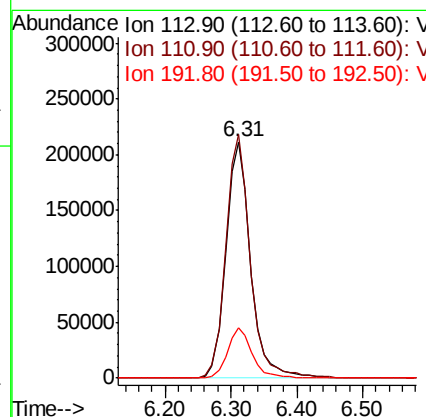
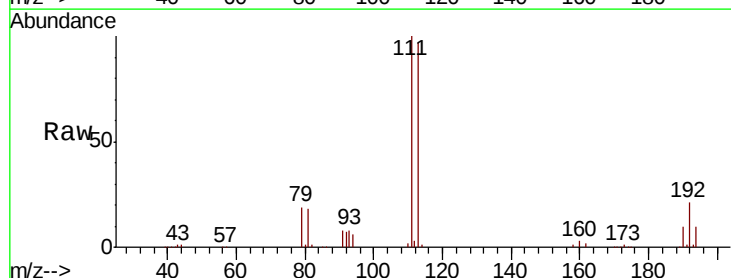
Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	34.4
88	18.3	0.0	35.8

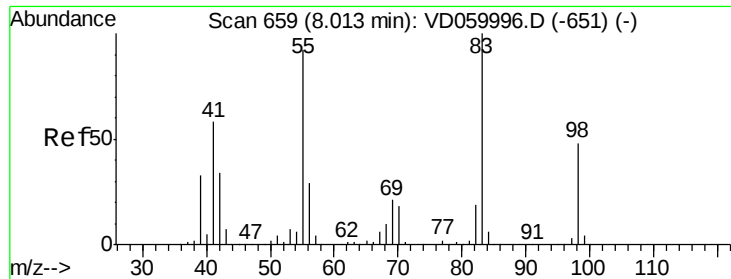


#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060017.D
 Acq: 17 Sep 2018 13:16

Tgt Ion:113 Resp: 553051

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.3	121.9
192	21.4	18.1	27.1

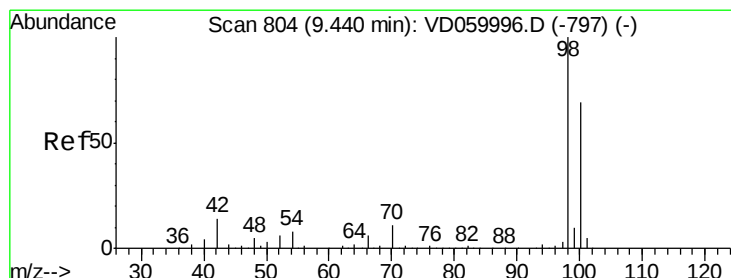
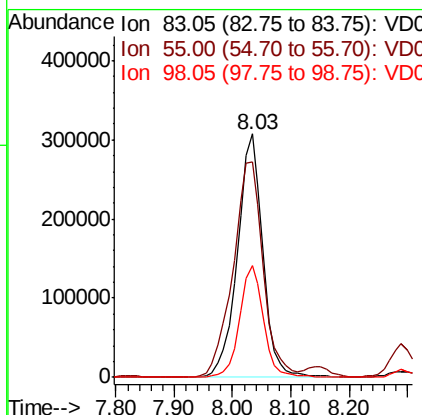
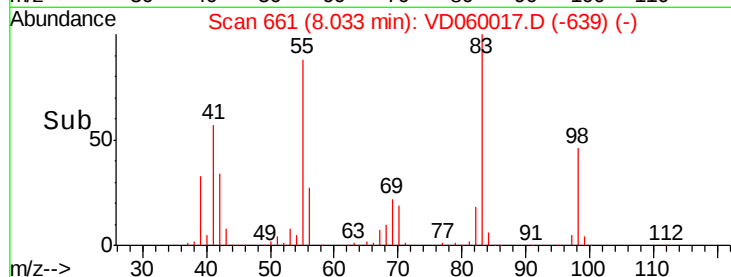
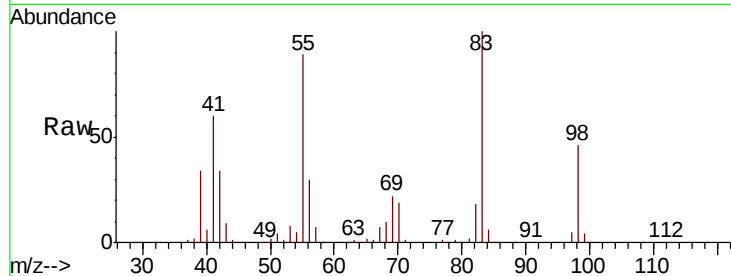




#39
Methylcyclohexane
Concen: 49.53 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.02 min
Lab File: VD060017.D
Acq: 17 Sep 2018 13:16

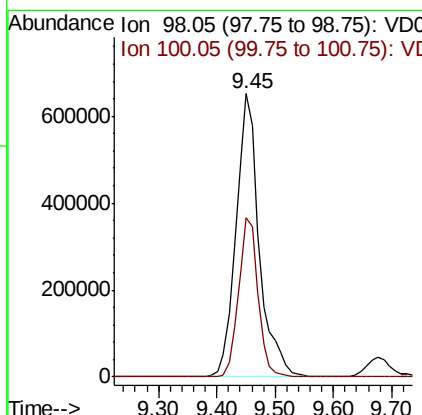
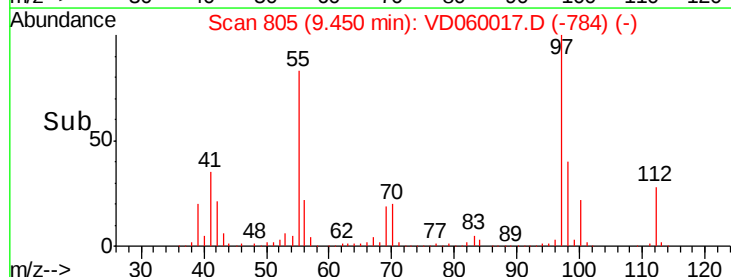
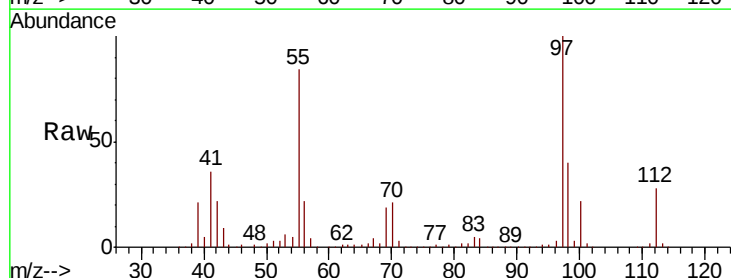
Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-9RE

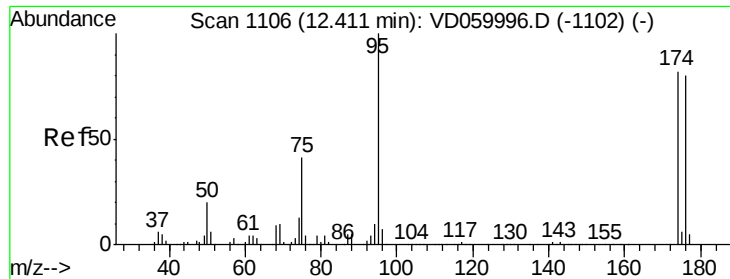
Tot Ion: 83 Resp: 931141
Ion Ratio Lower Upper
83 100
55 88.5 73.8 110.6
98 46.1 38.1 57.1



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060017.D
Acq: 17 Sep 2018 13:16

Tgt Ion: 98 Resp: 1794341
Ion Ratio Lower Upper
98 100
100 56.3 55.8 83.6





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VD060017.D

Acq: 17 Sep 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

SP-PIT-9RE

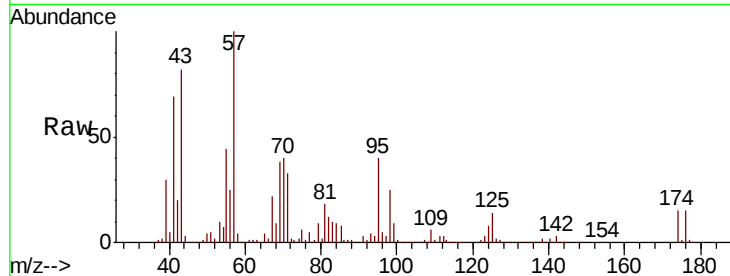
Tot Ion: 95 Resp: 816577

Ion Ratio Lower Upper

95 100

174 37.0 0.0 165.0

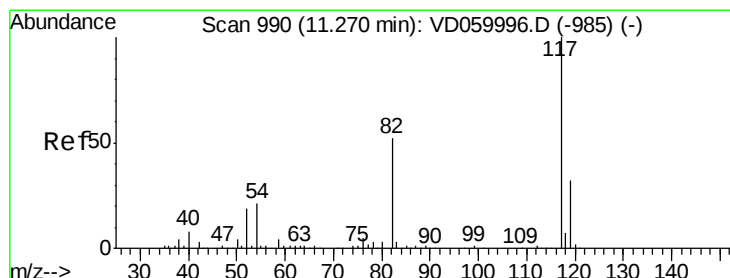
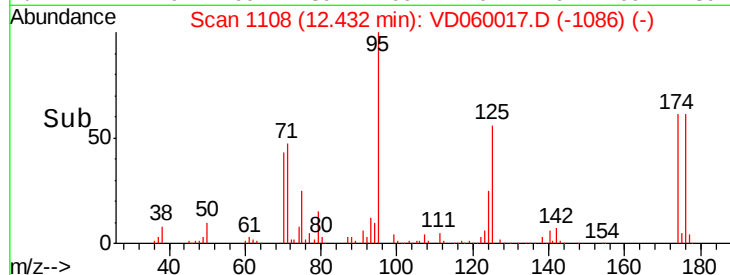
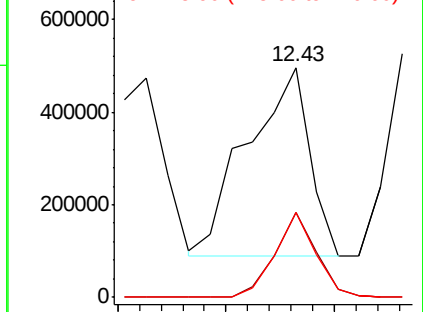
176 36.7 0.0 160.2



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: 50.00 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060017.D

Acq: 17 Sep 2018 13:16

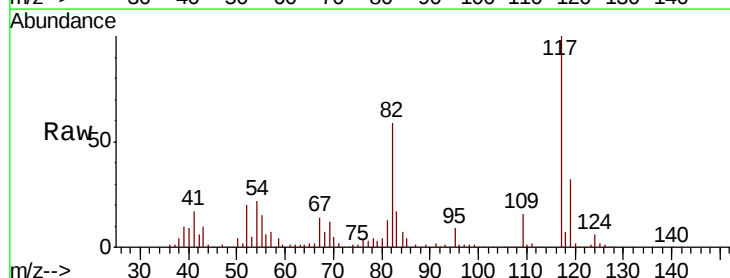
Tgt Ion: 117 Resp: 1218652

Ion Ratio Lower Upper

117 100

82 59.5 41.7 62.5

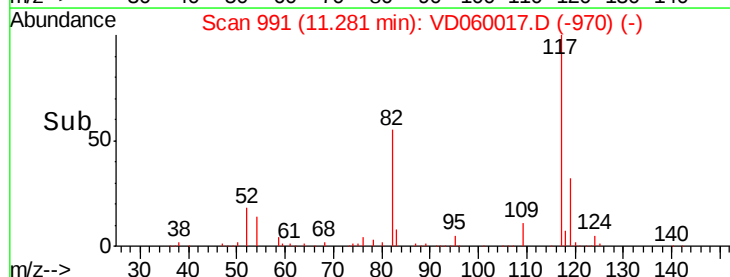
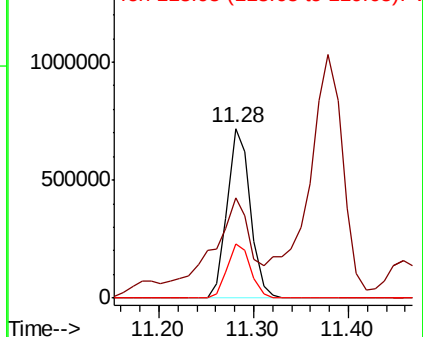
119 32.2 26.0 39.0

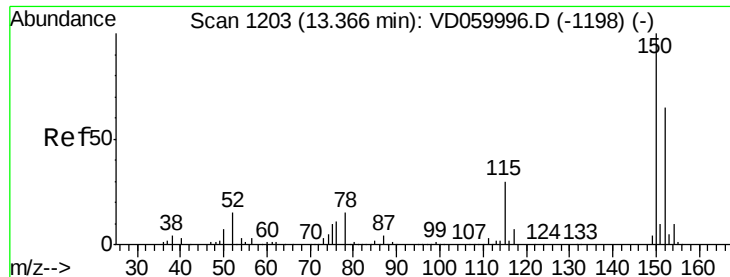


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060017.D

Acq: 17 Sep 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

SP-PIT-9RE

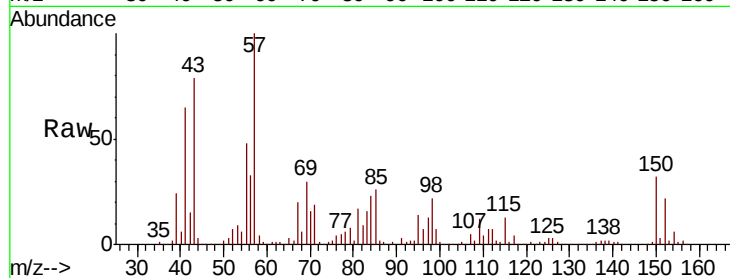
Tot Ion:152 Resp: 397327

Ion Ratio Lower Upper

152 100

115 58.8 24.6 73.8

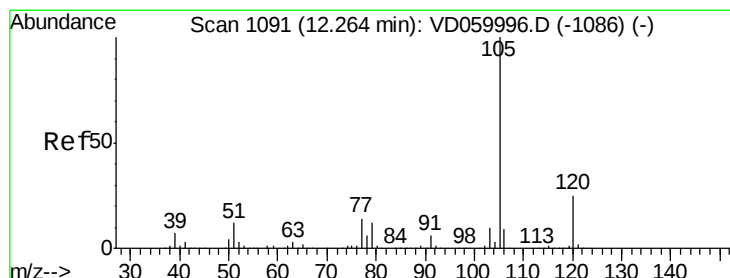
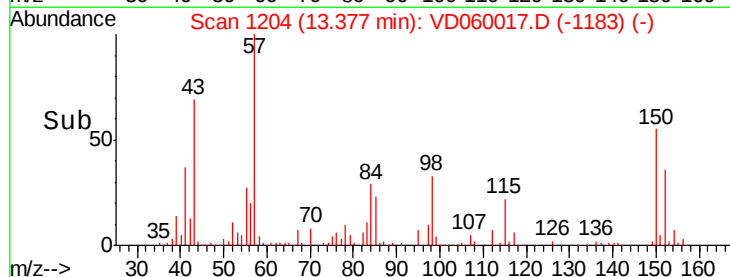
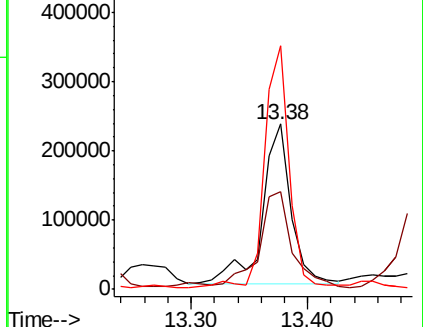
150 147.3 0.0 313.4



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



#73

Isopropylbenzene

Concen: 208.12 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060017.D

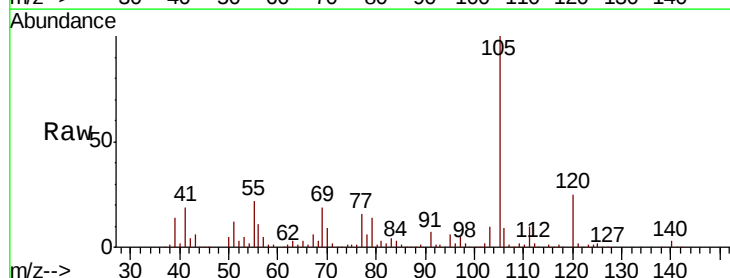
Acq: 17 Sep 2018 13:16

Tgt Ion:105 Resp: 5423426

Ion Ratio Lower Upper

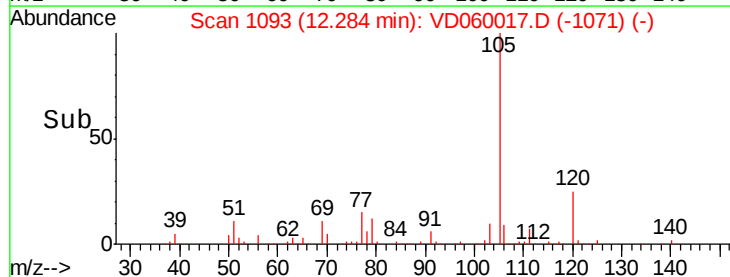
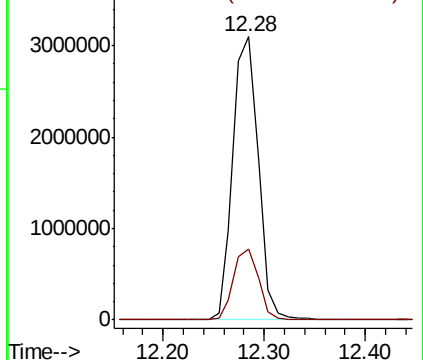
105 100

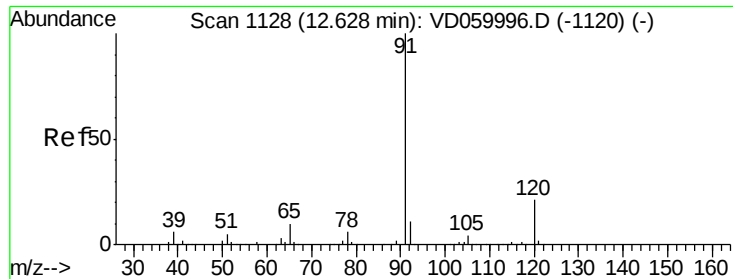
120 24.9 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 273.71 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060017.D

Acq: 17 Sep 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

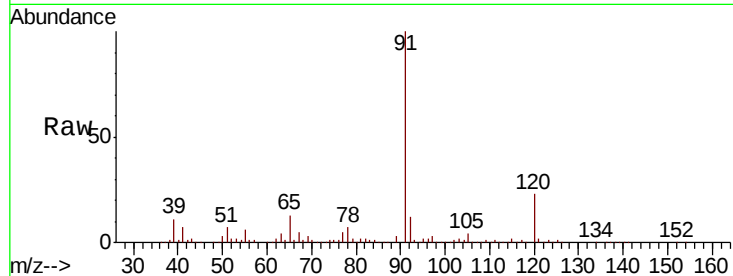
SP-PIT-9RE

Tot Ion: 91 Resp: 8969333

Ion Ratio Lower Upper

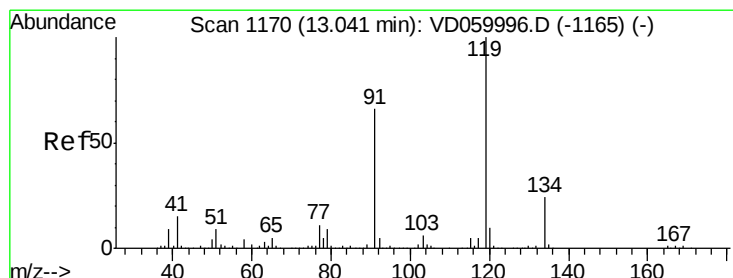
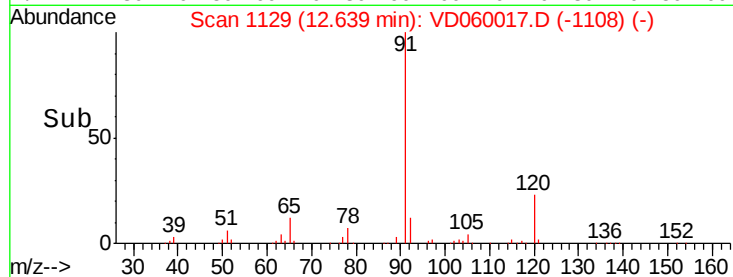
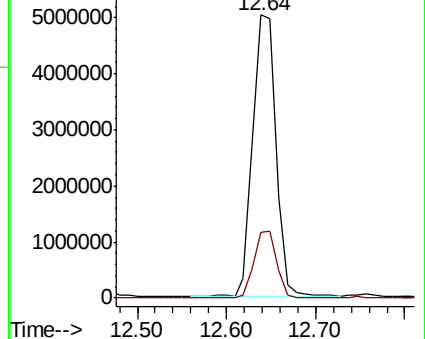
91 100

120 23.0 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



#83

tert-Butylbenzene

Concen: 36.13 ug/l m

RT: 13.04 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VD060017.D

Acq: 17 Sep 2018 13:16

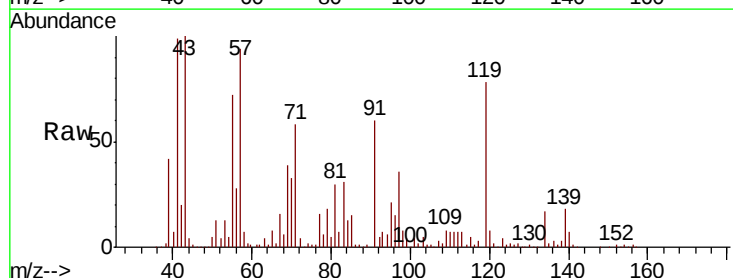
Tgt Ion: 119 Resp: 836013

Ion Ratio Lower Upper

119 100

91 76.9 32.9 98.6

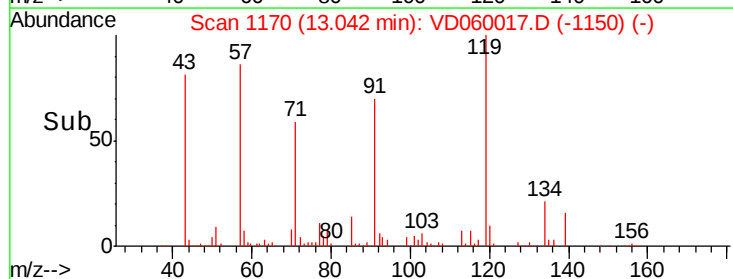
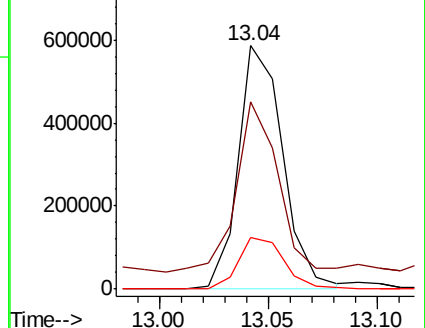
134 21.4 12.0 36.0

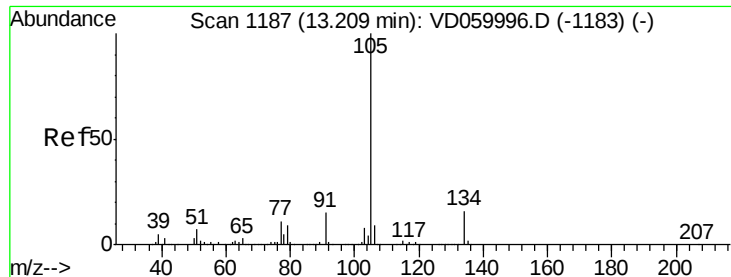


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

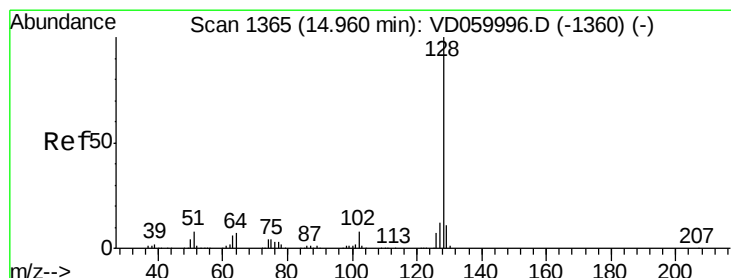
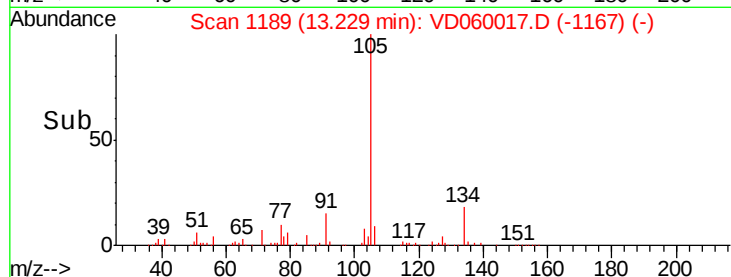
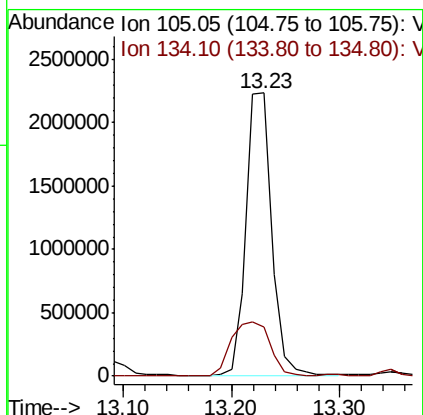
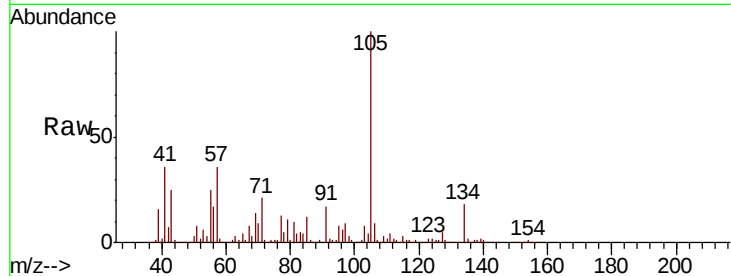




#85
 sec-Butylbenzene
 Concen: 133.48 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.02 min
 Lab File: VD060017.D
 Acq: 17 Sep 2018 13:16

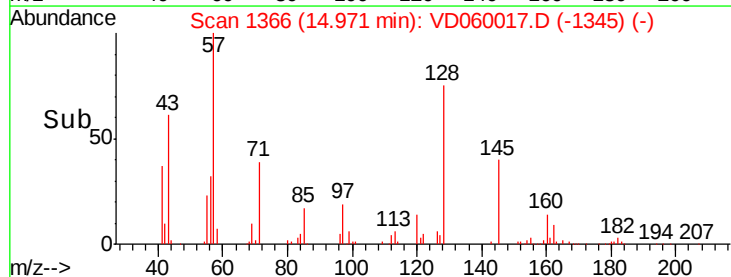
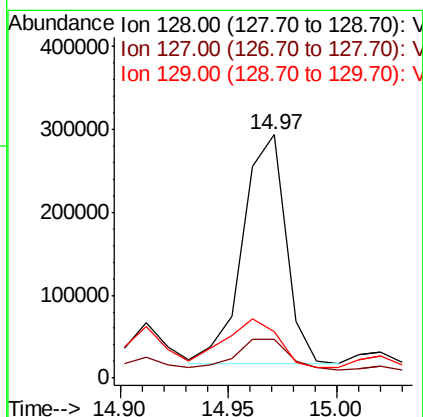
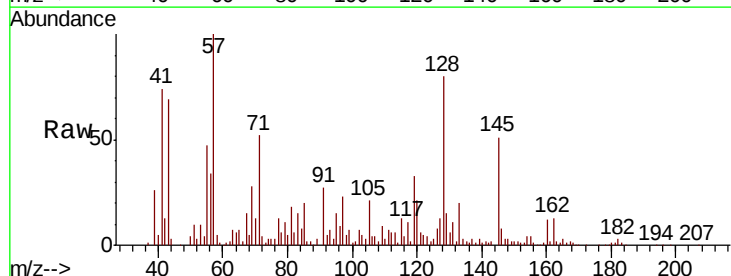
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-9RE

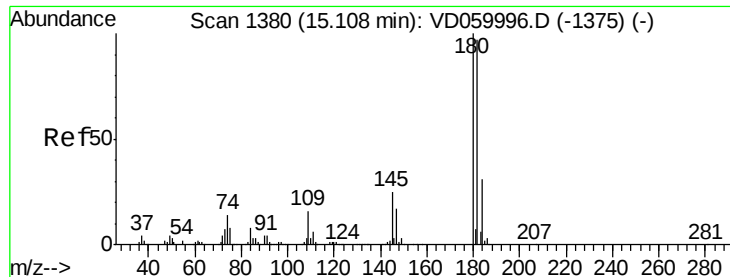
Tot Ion:105 Resp: 3666403
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.2 24.6



#95
 Naphthalene
 Concen: 26.67 ug/l
 RT: 14.97 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD060017.D
 Acq: 17 Sep 2018 13:16

Tgt Ion:128 Resp: 383127
 Ion Ratio Lower Upper
 128 100
 127 16.1 9.7 14.5#
 129 18.9 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.15 ug/l
 RT: 15.09 min Scan# 1378
 Delta R.T. -0.02 min
 Lab File: VD060017.D
 Acq: 17 Sep 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-9RE

Tot Ion:180 Resp: 9446
 Ion Ratio Lower Upper
 180 100
 182 44.4 48.6 145.9#
 145 1723.8 12.7 38.1#

