

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063517.D
 Acq On : 13 Aug 2019 6:28
 Operator : JC/SY
 Sample : K4095-07
 Misc : 5.89g/5ml/MSVOA D/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-080919-B

Quant Time: Aug 13 09:37:33 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	7.05	168	907386	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1325863	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	976643	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	413267	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	460008	47.43	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	94.86%	
35) Dibromofluoromethane	6.92	113	85788	7.68	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	15.36%	
50) Toluene-d8	10.42	98	953769	38.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.70%	
62) 4-Bromofluorobenzene	13.56	95	367034	32.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	65.98%	

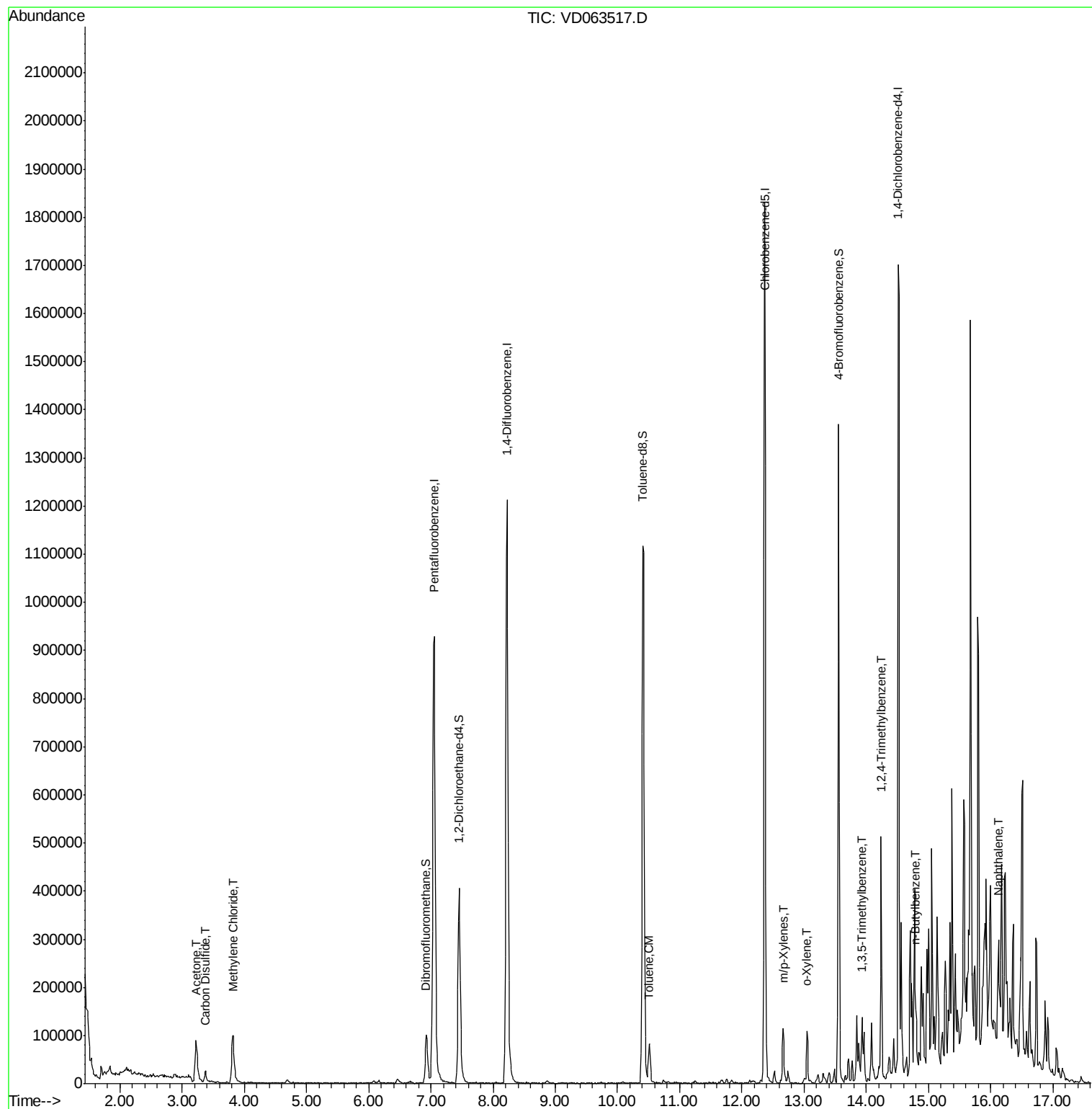
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	176856	89.699	ug/l #	88
17) Carbon Disulfide	3.38	76	38004	1.642	ug/l	99
20) Methylene Chloride	3.82	84	67587	7.927	ug/l #	87
52) Toluene	10.52	92	38998	2.347	ug/l	87
68) m/p-Xylenes	12.66	106	28613	2.559	ug/l	80
69) o-Xylene	13.05	106	23455	2.179	ug/l	76
80) 1,3,5-Trimethylbenzene	13.93	105	56959	2.480	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	211197	9.938	ug/l	93
89) n-Butylbenzene	14.80	91	25069m	1.118	ug/l	
95) Naphthalene	16.13	128	118537	9.641	ug/l	98

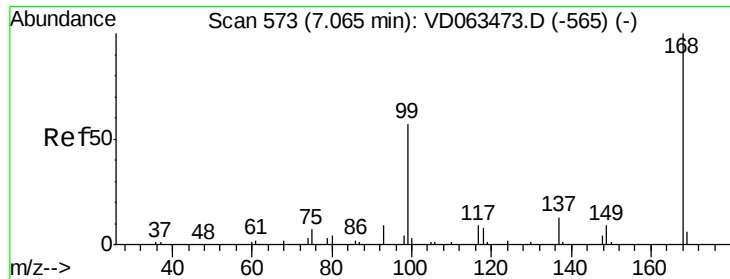
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
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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: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063517.D

Acq: 13 Aug 2019 6:28

Instrument :

MSVOA_D

ClientSampleId :

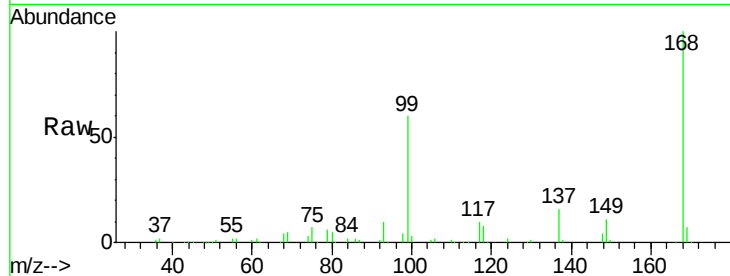
SU-04-080919-B

Tot Ion:168 Resp: 907386

Ion Ratio Lower Upper

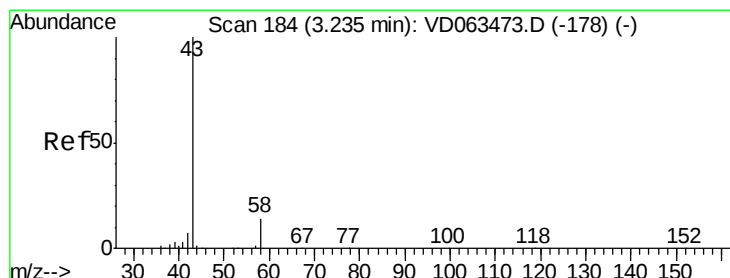
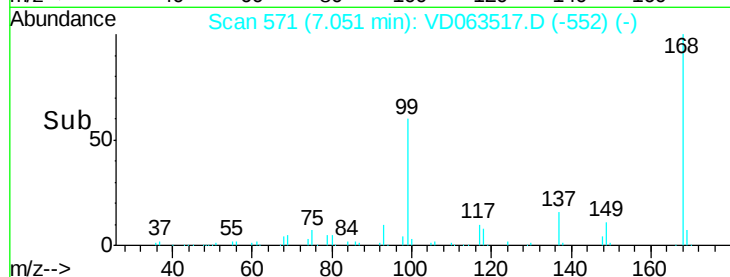
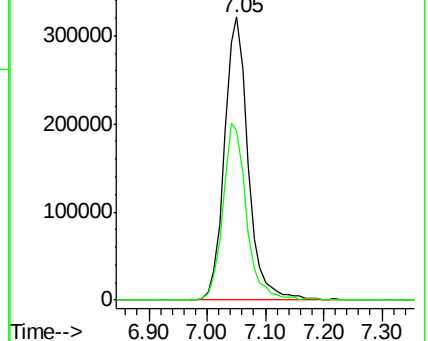
168 100

99 59.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 89.699 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063517.D

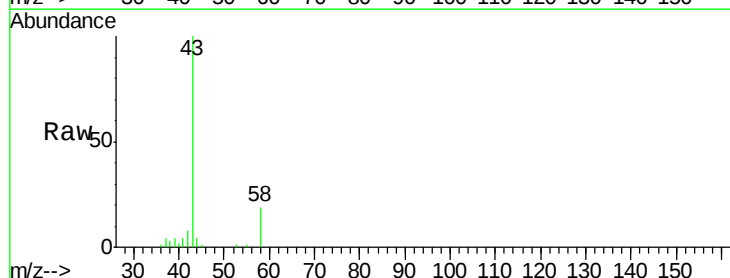
Acq: 13 Aug 2019 6:28

Tgt Ion: 43 Resp: 176856

Ion Ratio Lower Upper

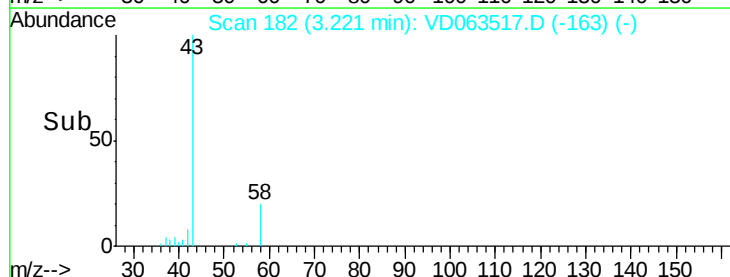
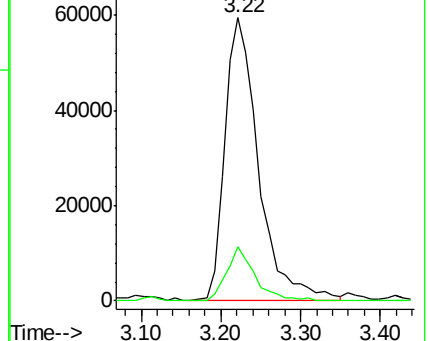
43 100

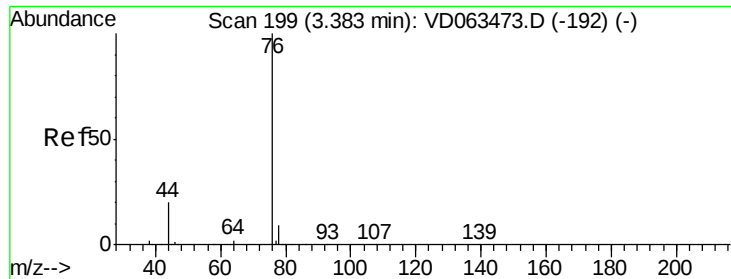
58 19.2 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

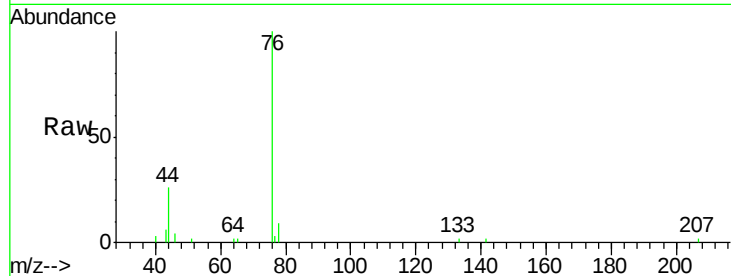




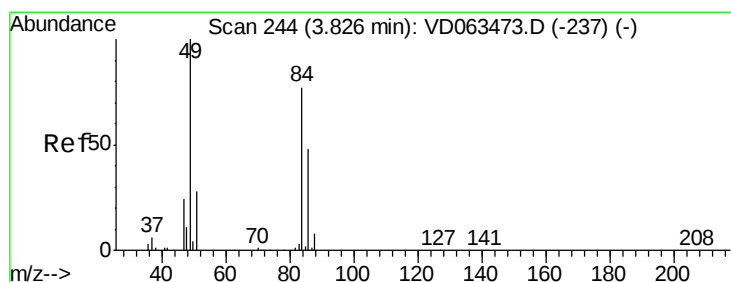
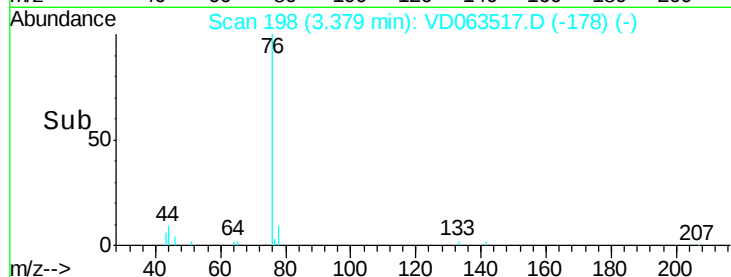
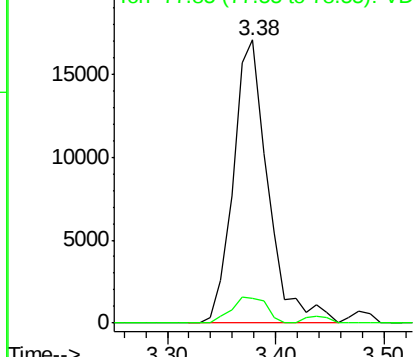
#17
Carbon Disulfide
Concen: 1.642 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063517.D
Acq: 13 Aug 2019 6:28

Instrument :
MSVOA_D
ClientSampleId :
SU-04-080919-B

Tot Ion: 76 Resp: 38004
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0

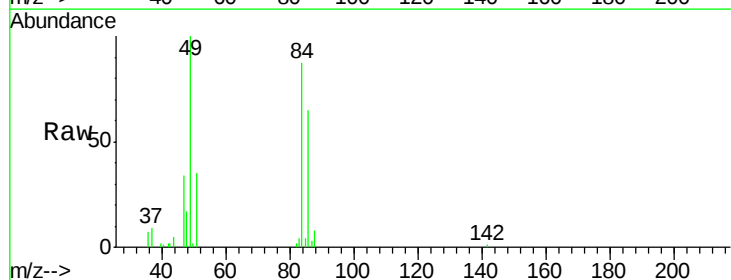


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

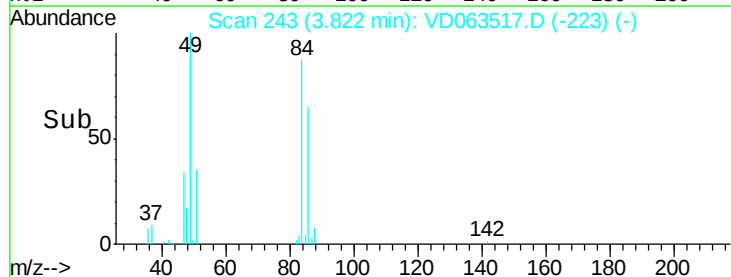
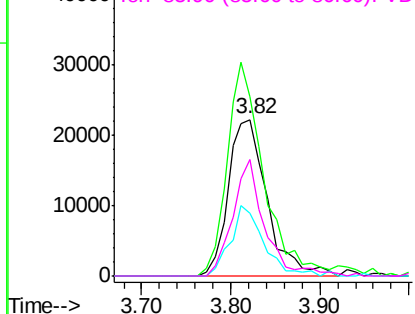


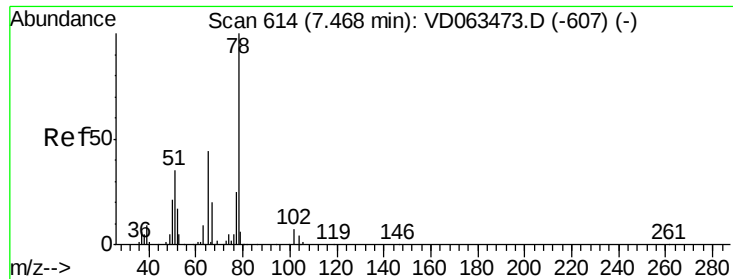
#20
Methylene Chloride
Concen: 7.927 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063517.D
Acq: 13 Aug 2019 6:28

Tgt Ion: 84 Resp: 67587
Ion Ratio Lower Upper
84 100
49 115.0 103.4 155.2
51 40.2 28.5 42.7
86 74.3 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





#33

1,2-Dichloroethane-d4

Concen: 47.427 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063517.D

Acq: 13 Aug 2019 6:28

Instrument :

MSVOA_D

ClientSampleId :

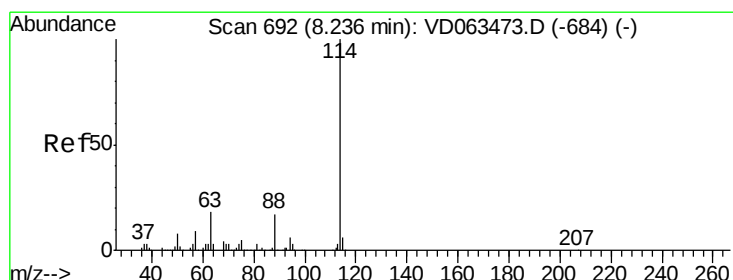
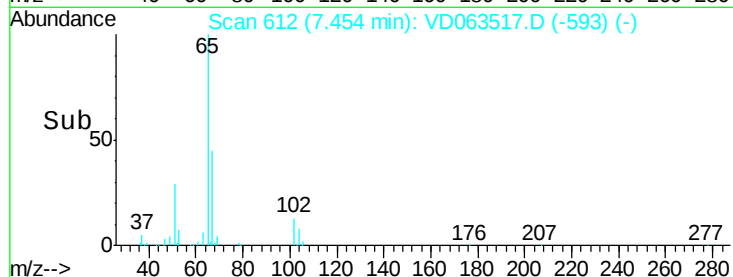
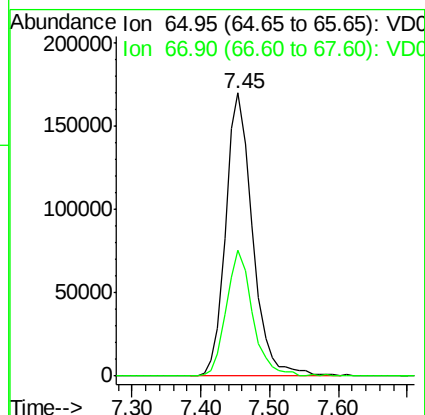
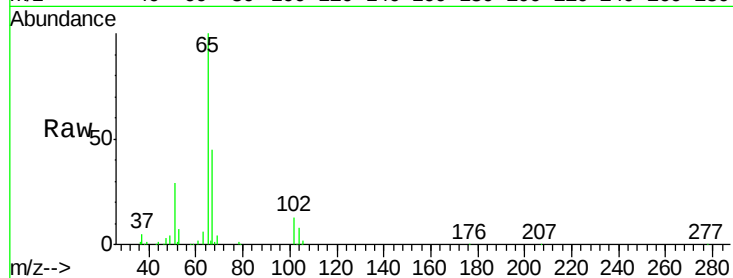
SU-04-080919-B

Tot Ion: 65 Resp: 460008

Ion Ratio Lower Upper

65 100

67 44.5 0.0 89.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063517.D

Acq: 13 Aug 2019 6:28

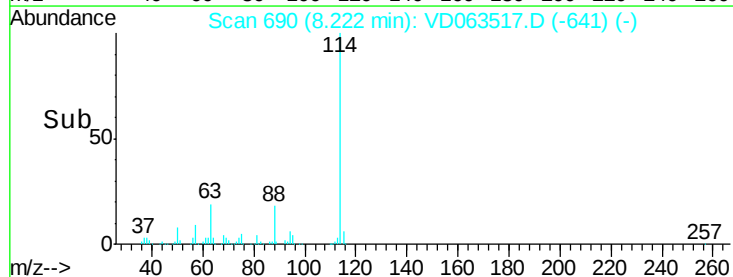
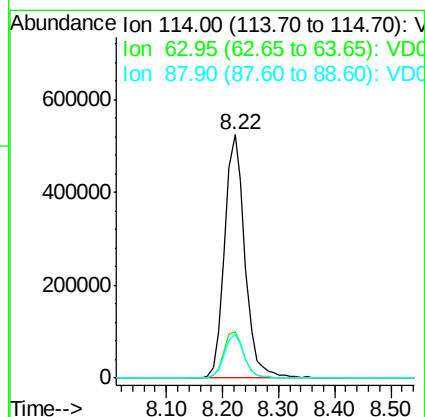
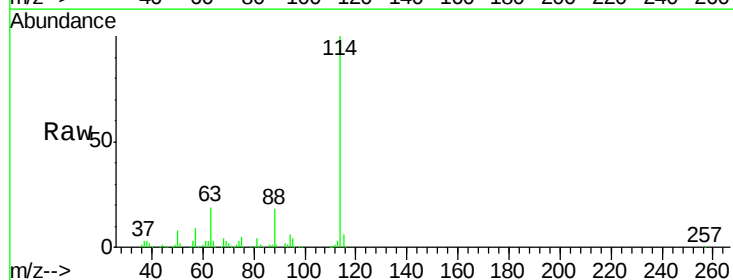
Tgt Ion: 114 Resp: 1325863

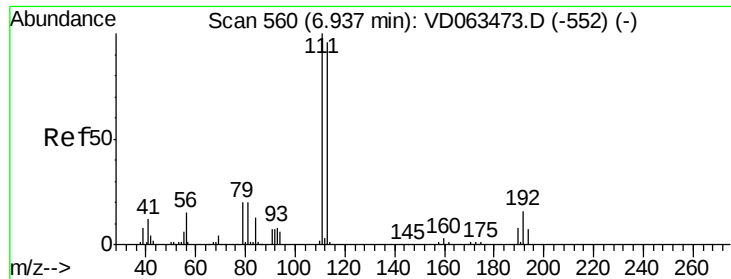
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.2

88 18.2 0.0 35.0





#35

Dibromofluoromethane

Concen: 7.683 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063517.D

Acq: 13 Aug 2019 6:28

Instrument :

MSVOA_D

ClientSampleId :

SU-04-080919-B

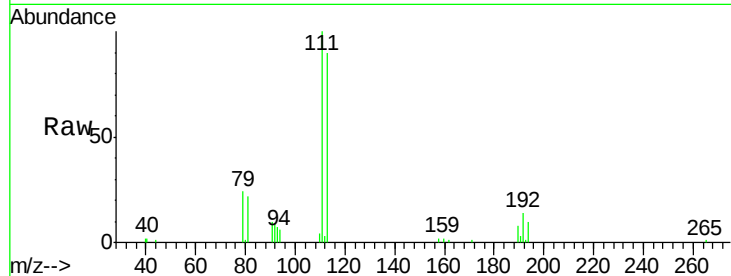
Tot Ion:113 Resp: 85788

Ion Ratio Lower Upper

113 100

111 111.1 83.1 124.7

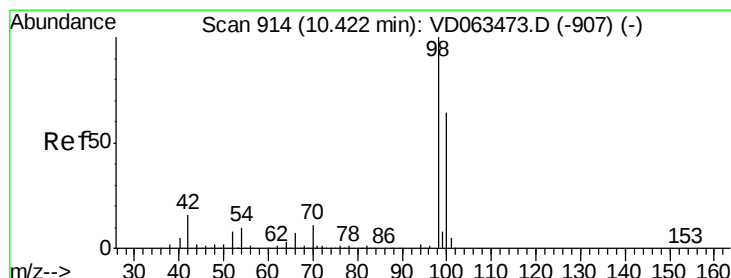
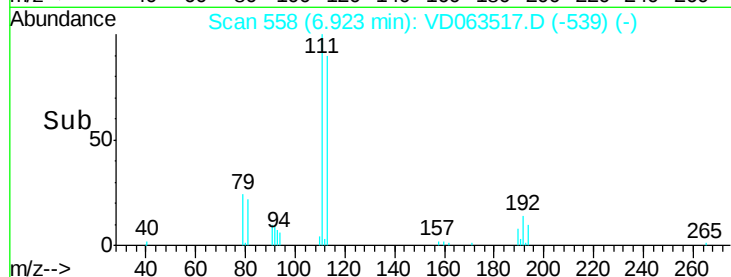
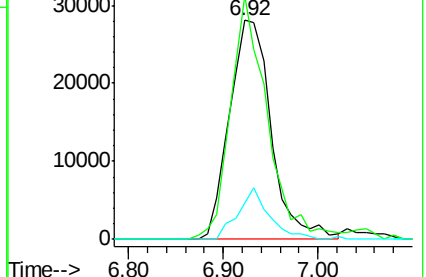
192 16.3 13.1 19.7



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: 38.850 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063517.D

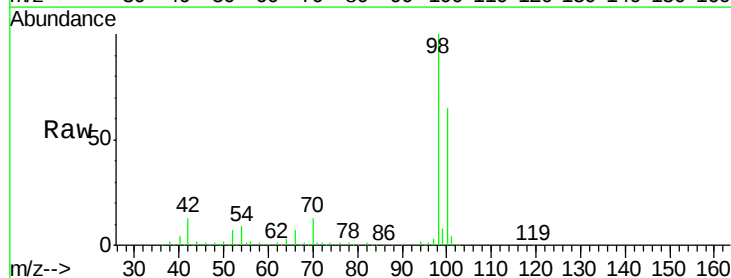
Acq: 13 Aug 2019 6:28

Tgt Ion: 98 Resp: 953769

Ion Ratio Lower Upper

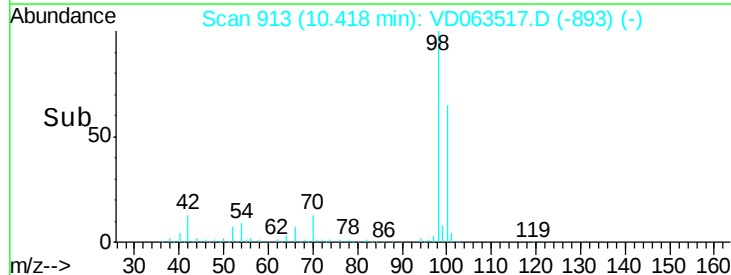
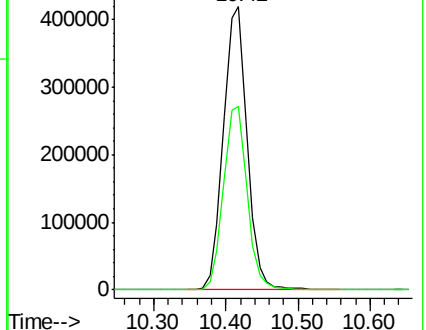
98 100

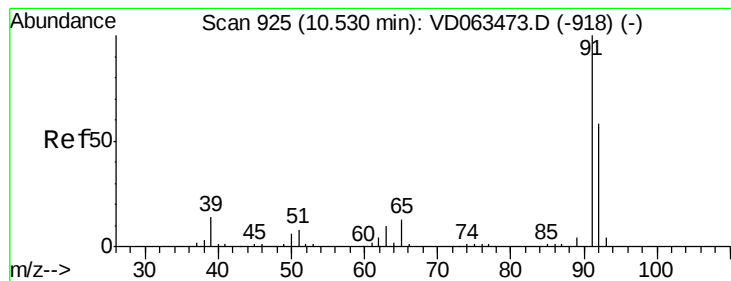
100 64.6 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 2.347 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD063517.D

Acq: 13 Aug 2019 6:28

Instrument :

MSVOA_D

ClientSampleId :

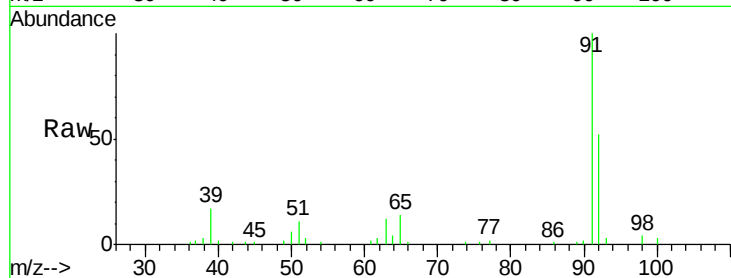
SU-04-080919-B

Tot Ion: 92 Resp: 38998

Ion Ratio Lower Upper

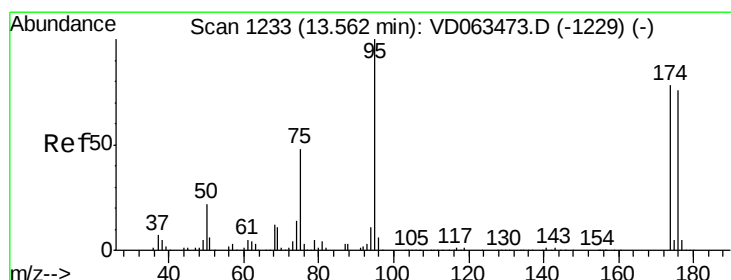
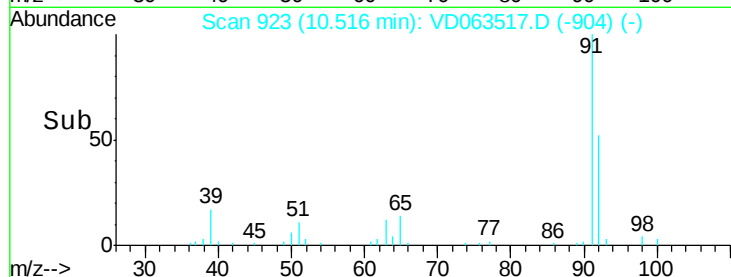
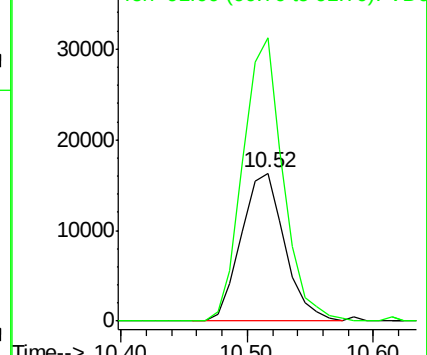
92 100

91 190.8 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 32.985 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063517.D

Acq: 13 Aug 2019 6:28

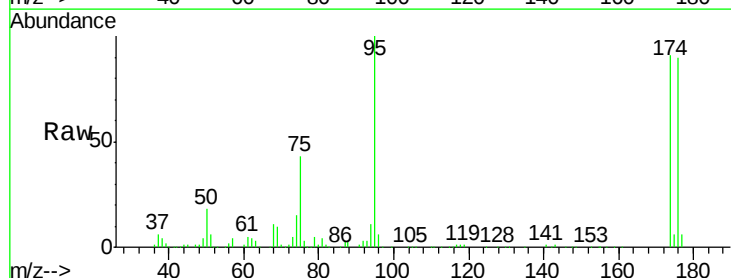
Tgt Ion: 95 Resp: 367034

Ion Ratio Lower Upper

95 100

174 91.3 0.0 155.4

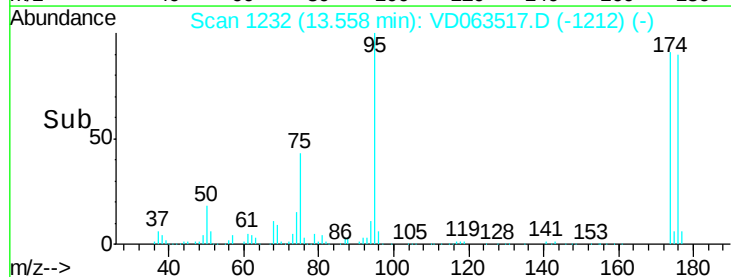
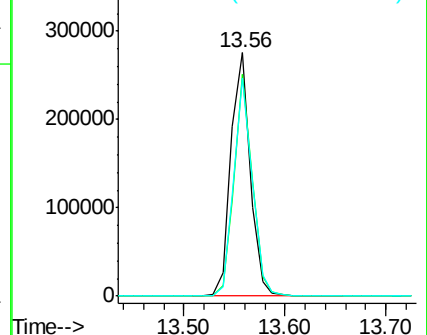
176 89.7 0.0 152.4

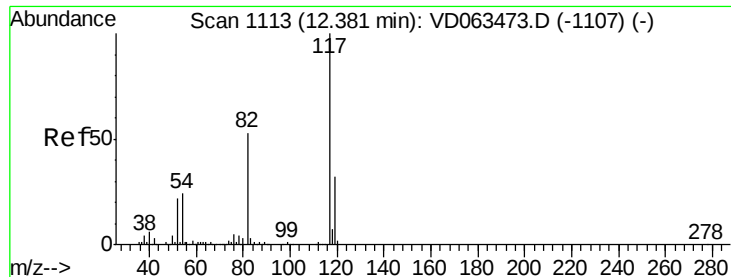


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

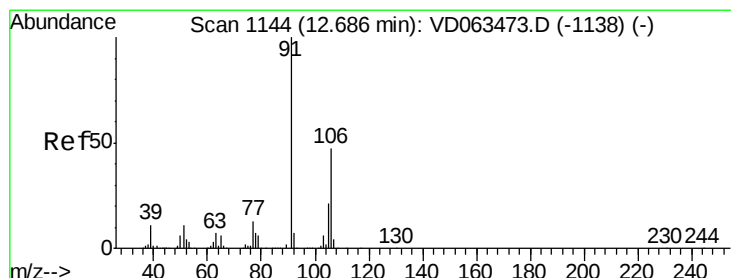
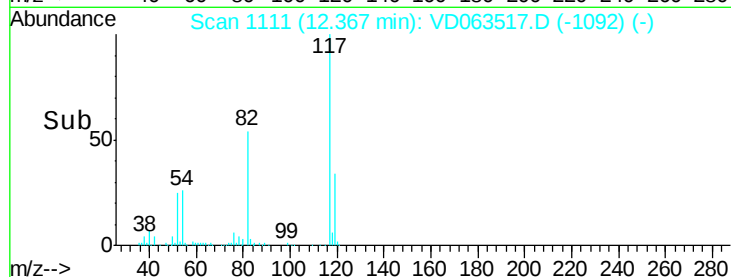
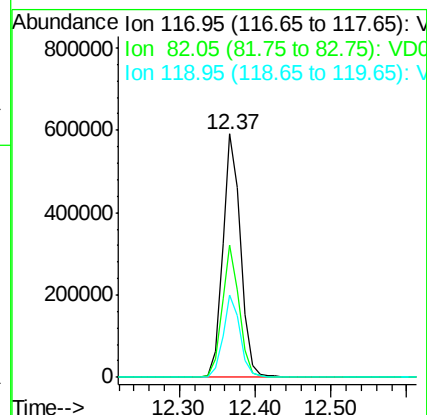
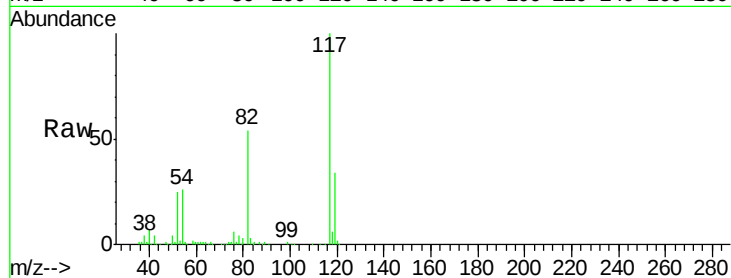




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063517.D
Acq: 13 Aug 2019 6:28

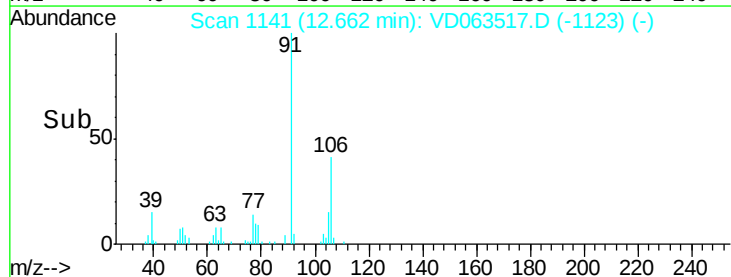
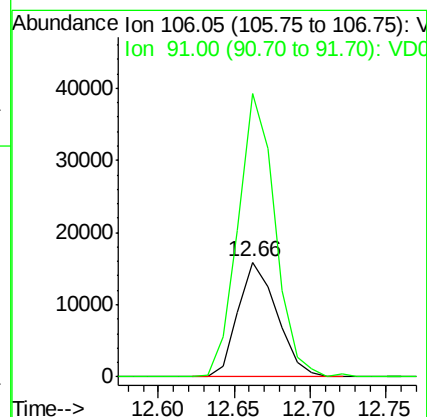
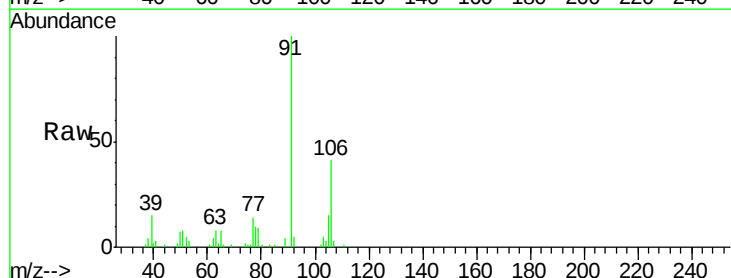
Instrument :
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SU-04-080919-B

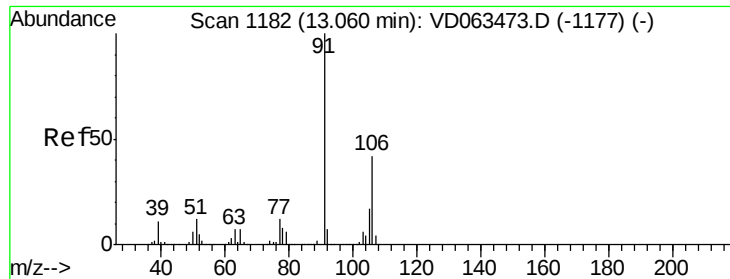
Tot Ion:117 Resp: 976643
Ion Ratio Lower Upper
117 100
82 54.1 42.0 63.0
119 33.7 25.4 38.0



#68
m/p-Xylenes
Concen: 2.559 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063517.D
Acq: 13 Aug 2019 6:28

Tgt Ion:106 Resp: 28613
Ion Ratio Lower Upper
106 100
91 246.0 171.8 257.8

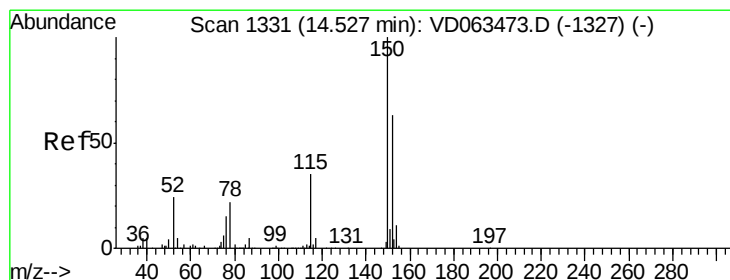
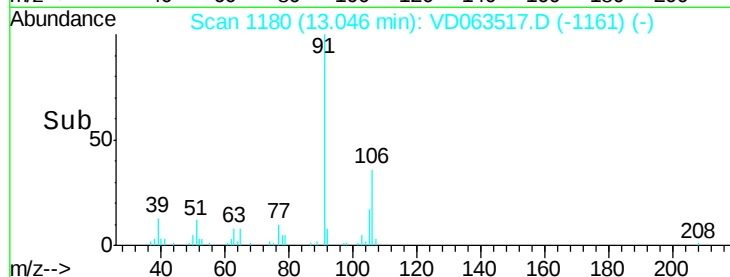
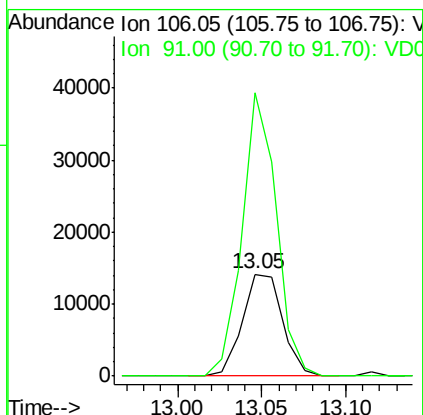
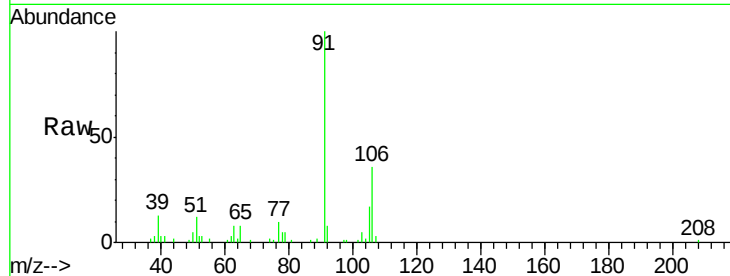




#69
o-Xylene
Concen: 2.179 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063517.D
Acq: 13 Aug 2019 6:28

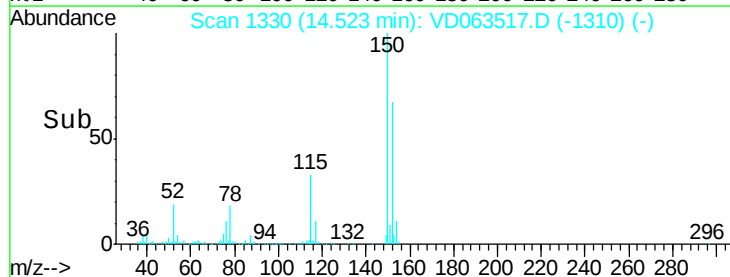
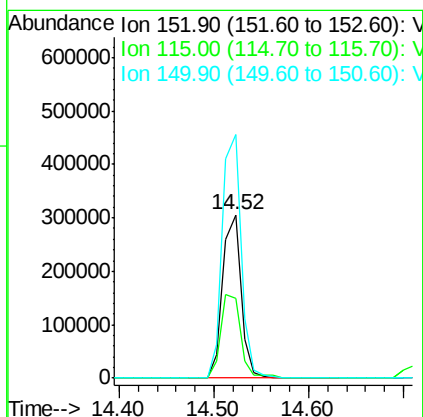
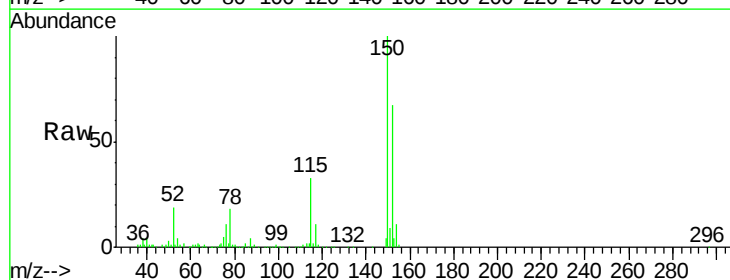
Instrument :
MSVOA_D
ClientSampleId :
SU-04-080919-B

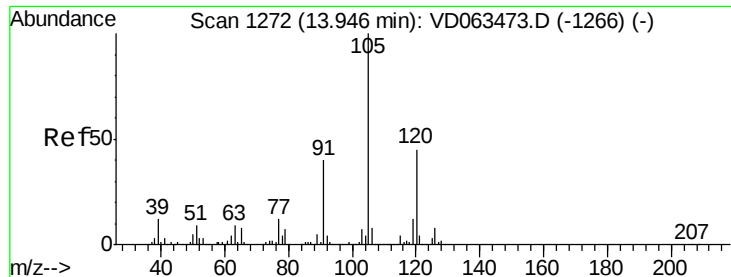
Tot Ion:106 Resp: 23455
Ion Ratio Lower Upper
106 100
91 277.3 118.1 354.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063517.D
Acq: 13 Aug 2019 6:28

Tgt Ion:152 Resp: 413267
Ion Ratio Lower Upper
152 100
115 48.7 30.9 92.7
150 149.3 0.0 318.6

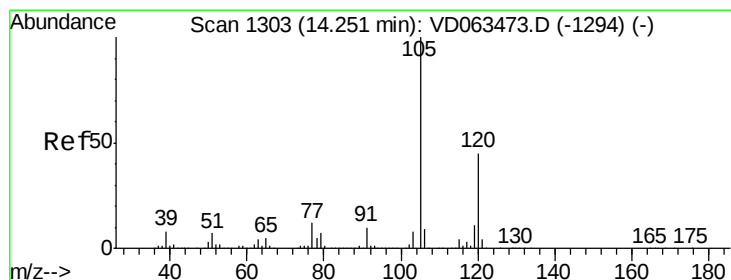
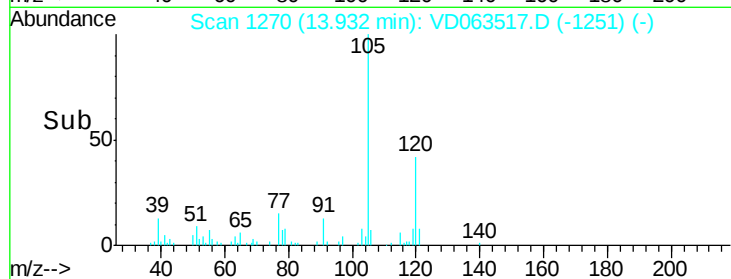
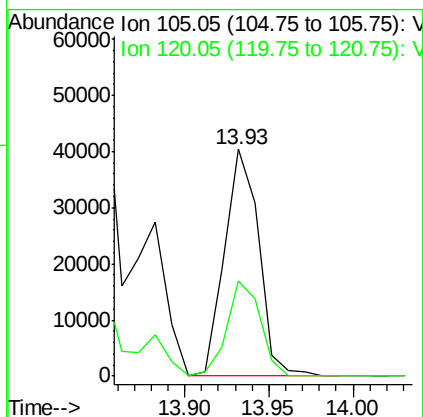
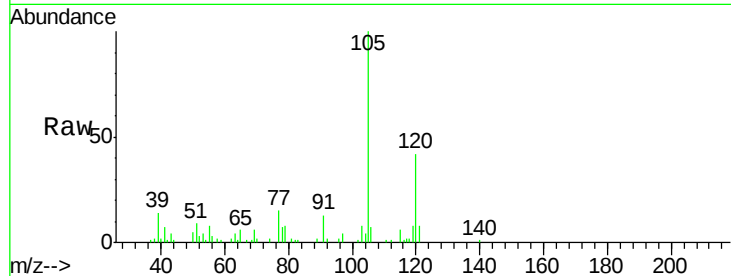




#80
 1,3,5-Trimethylbenzene
 Concen: 2.480 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063517.D
 Acq: 13 Aug 2019 6:28

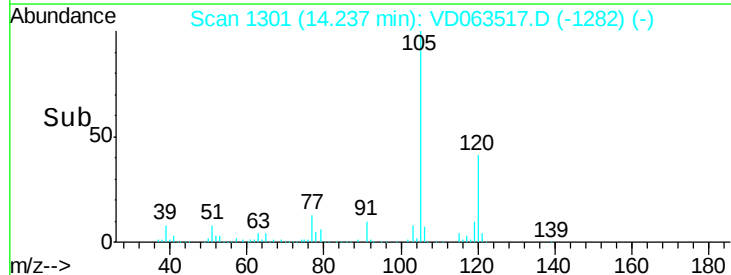
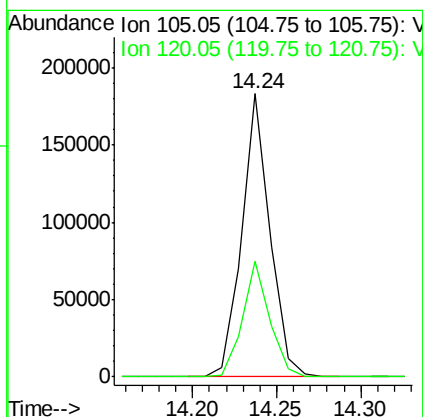
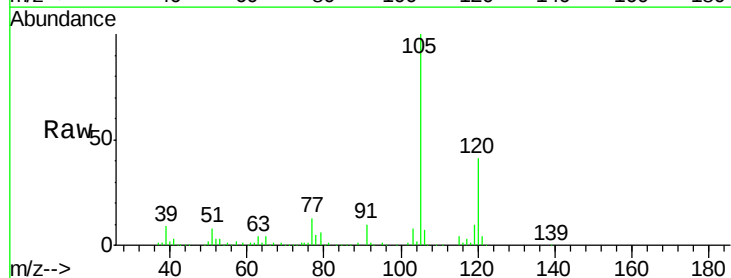
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-080919-B

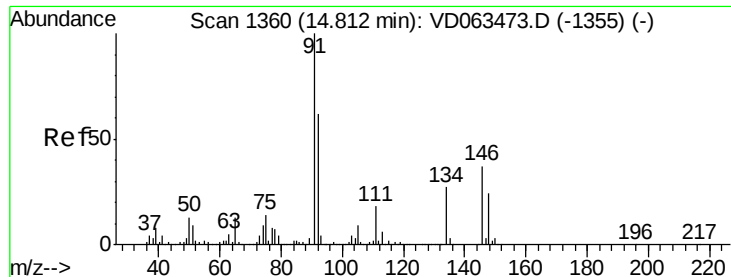
Tot Ion:105 Resp: 56959
 Ion Ratio Lower Upper
 105 100
 120 42.1 22.8 68.3



#84
 1,2,4-Trimethylbenzene
 Concen: 9.938 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063517.D
 Acq: 13 Aug 2019 6:28

Tgt Ion:105 Resp: 211197
 Ion Ratio Lower Upper
 105 100
 120 40.7 22.7 68.1





#89

n-Butylbenzene

Concen: 1.118 ug/l m

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063517.D

Acq: 13 Aug 2019 6:28

Instrument :

MSVOA_D

ClientSampleId :

SU-04-080919-B

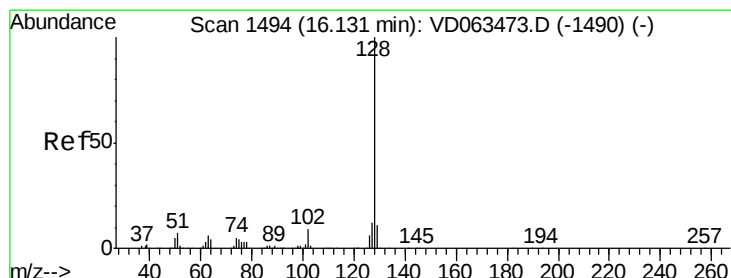
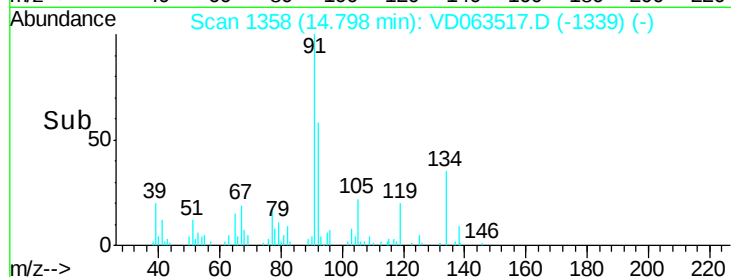
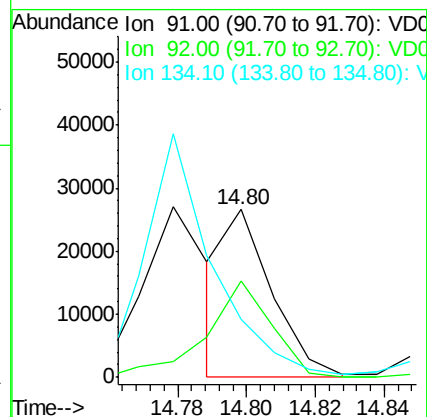
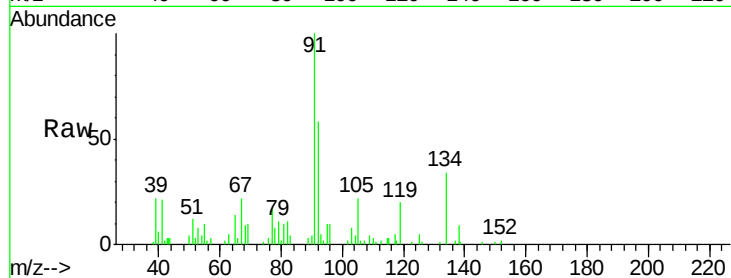
Tot Ion: 91 Resp: 25069

Ion Ratio Lower Upper

91 100

92 57.6 30.8 92.3

134 34.4 13.4 40.2



#95

Naphthalene

Concen: 9.641 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063517.D

Acq: 13 Aug 2019 6:28

Tgt Ion: 128 Resp: 118537

Ion Ratio Lower Upper

128 100

127 13.3 9.4 14.0

129 10.4 8.5 12.7

