

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060544.D
 Acq On : 12 Dec 2018 13:52
 Operator : VA/AP
 Sample : J6189-01
 Misc : 5.56g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-121118-A

Quant Time: Dec 13 00:19:12 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	6.40	168	1453609	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2017722	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1637509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	787119	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	475935	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
35) Dibromofluoromethane	6.32	113	670723	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	
50) Toluene-d8	9.45	98	1809181	42.18	ug/l	0.00
Spiked Amount			Recovery	=	84.36%	
62) 4-Bromofluorobenzene	12.42	95	653588	42.59	ug/l	0.00
Spiked Amount			Recovery	=	85.18%	

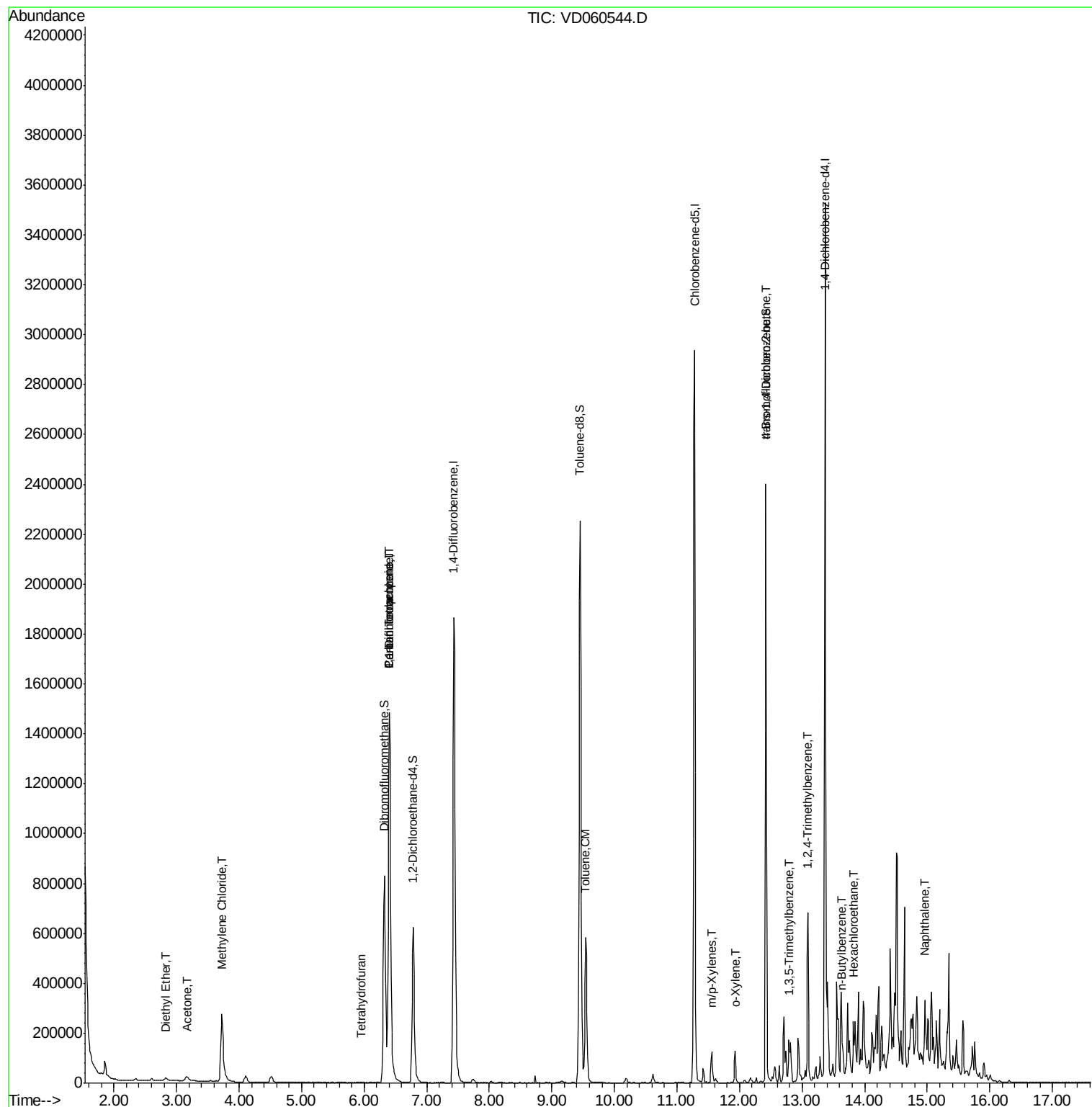
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	598	Below Cal	#	41
8) Diethyl Ether	2.83	74	5445	2.290	ug/l	89
16) Acetone	3.16	43	45141	27.333	ug/l	98
20) Methylene Chloride	3.72	84	184516	8.451	ug/l	95
29) Tetrahydrofuran	5.95	42	3150	1.712	ug/l #	40
31) Cyclohexane	6.40	56	31494	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	104981	5.323	ug/l #	46
38) Carbon Tetrachloride	6.40	117	115352	6.515	ug/l #	16
52) Toluene	9.54	92	297778	9.452	ug/l	97
68) m/p-Xylenes	11.56	106	35490	1.623	ug/l	82
69) o-Xylene	11.93	106	28422	1.364	ug/l	92
80) 1,3,5-Trimethylbenzene	12.79	105	67186	1.579	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.42	75	265513	106.742	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.09	105	305006	6.921	ug/l	98
89) n-Butylbenzene	13.64	91	67013	1.035	ug/l	98
90) Hexachloroethane	13.82	117	15920	1.347	ug/l #	8
95) Naphthalene	14.96	128	136108	6.756	ug/l	98

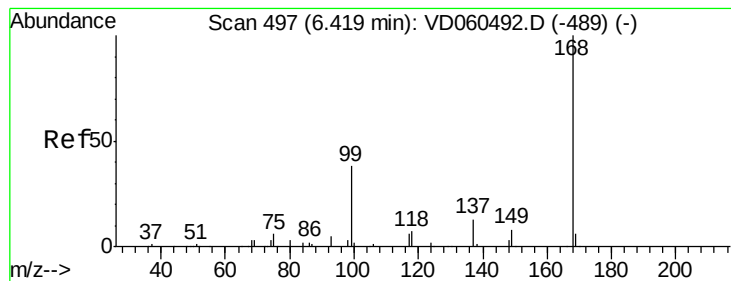
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060544.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

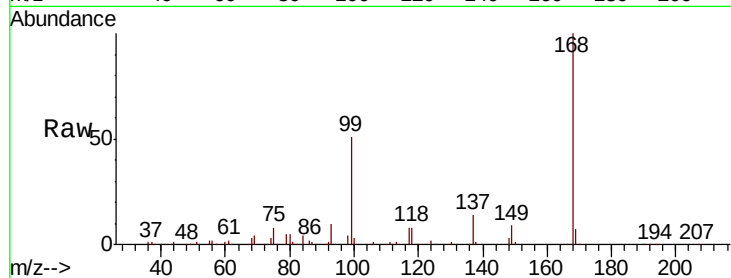
HR-05-121118-A

Tot Ion:168 Resp: 1453609

Ion Ratio Lower Upper

168 100

99 50.9 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

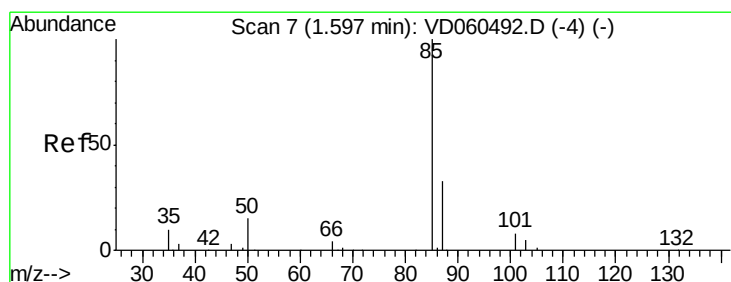
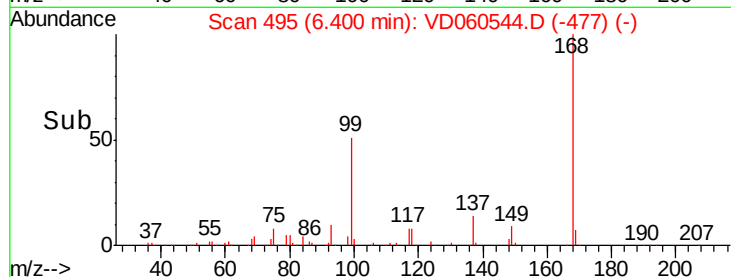
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060544.D

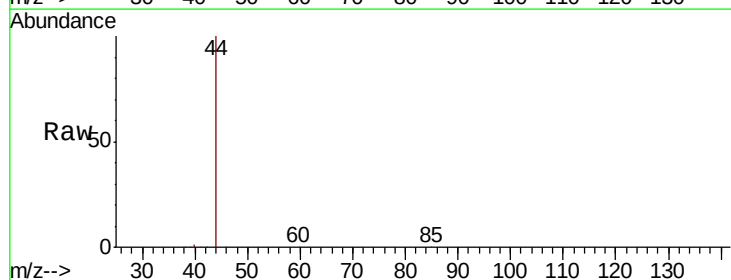
Acq: 12 Dec 2018 13:52

Tgt Ion: 85 Resp: 598

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

800

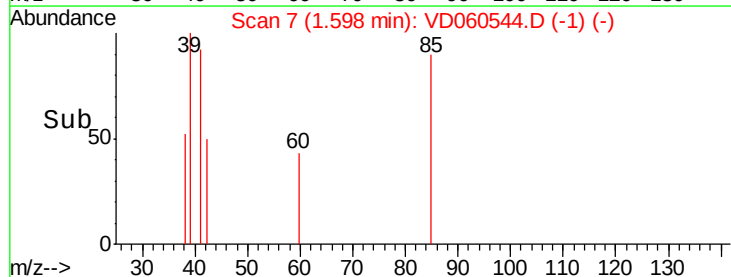
600

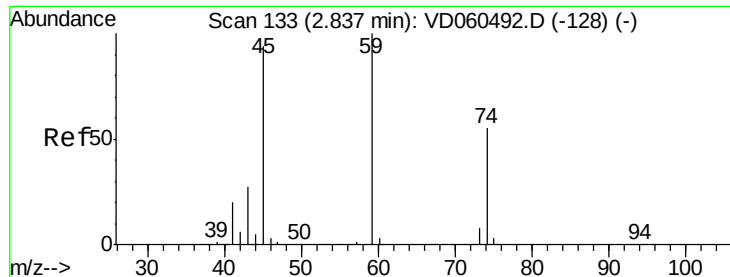
400

200

0

Time-->





#8

Diethyl Ether

Concen: 2.290 ug/l

RT: 2.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060544.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

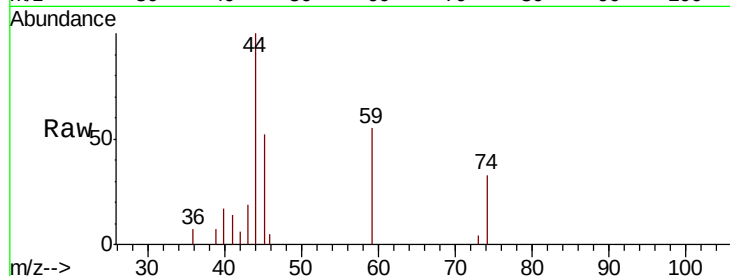
HR-05-121118-A

Tot Ion: 74 Resp: 5445

Ion Ratio Lower Upper

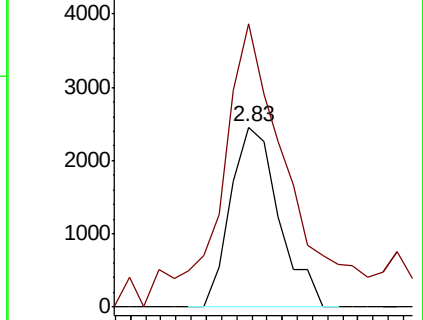
74 100

45 157.5 86.0 258.0

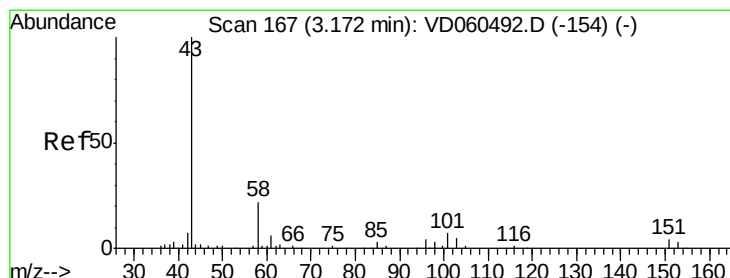
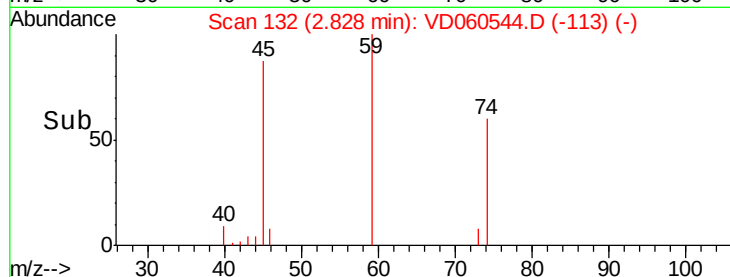


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->



#16

Acetone

Concen: 27.333 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060544.D

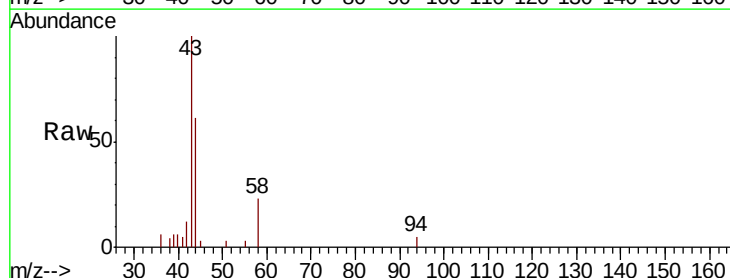
Acq: 12 Dec 2018 13:52

Tgt Ion: 43 Resp: 45141

Ion Ratio Lower Upper

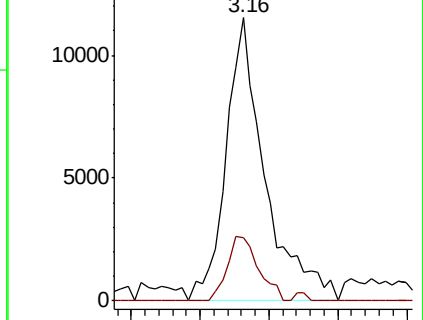
43 100

58 22.5 17.3 25.9

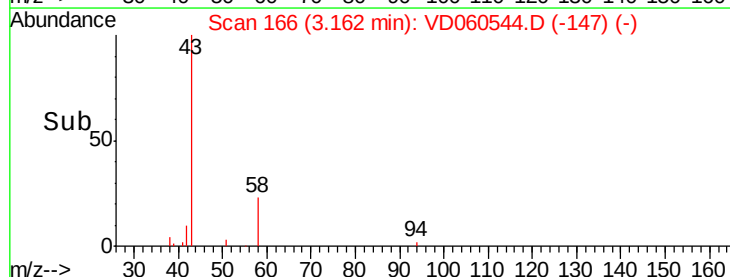


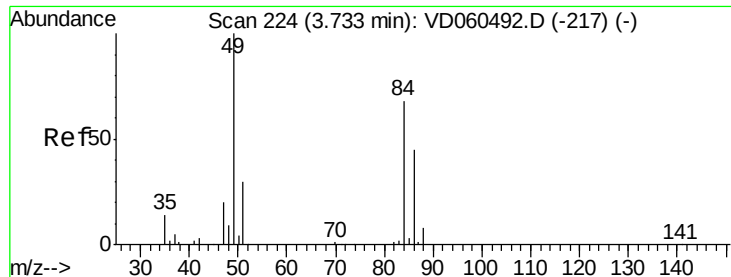
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

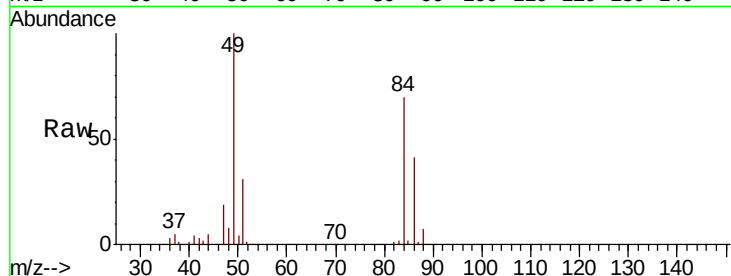




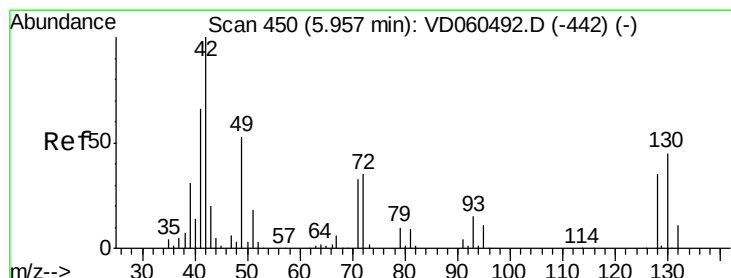
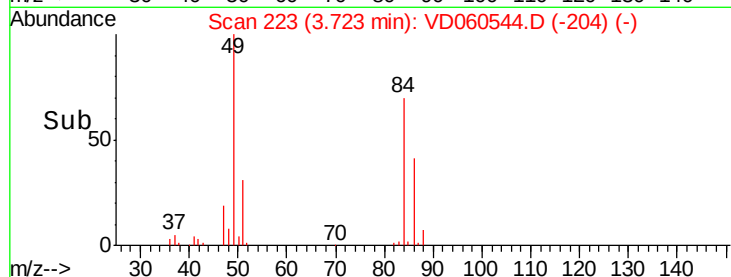
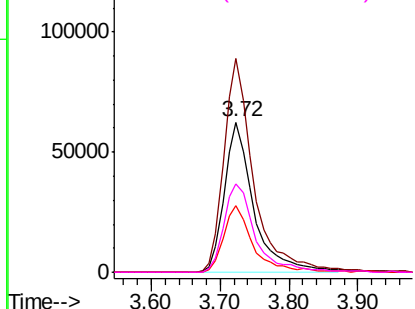
#20
Methylene Chloride
Concen: 8.451 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-A

Tot Ion:	84	Resp:	184516
Ion	Ratio	Lower	Upper
84	100		
49	142.2	117.2	175.8
51	44.2	35.3	52.9
86	58.5	53.2	79.8

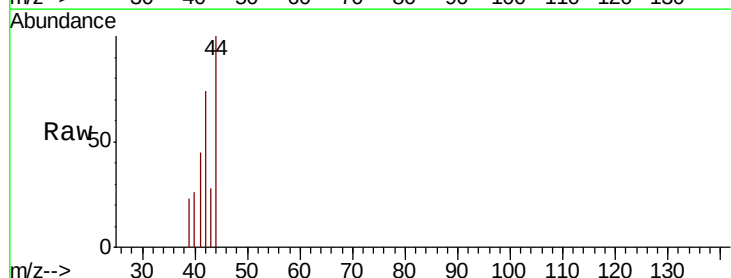


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

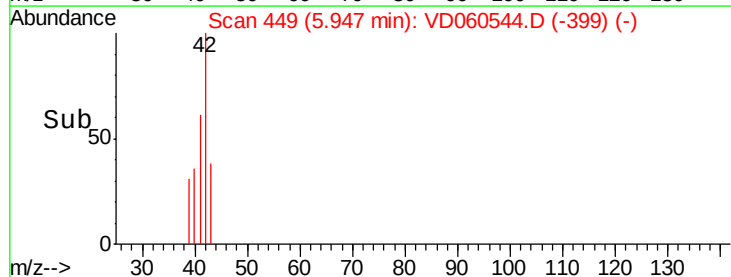
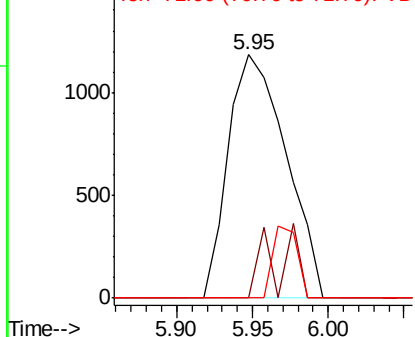


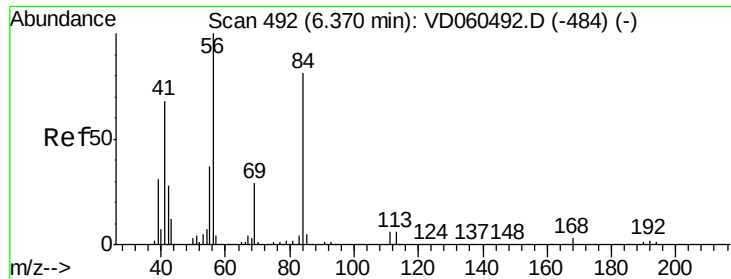
#29
Tetrahydrofuran
Concen: 1.712 ug/l
RT: 5.95 min Scan# 449
Delta R.T. -0.01 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

Tgt Ion:	42	Resp:	3150
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.0	42.0#
71	0.0	27.2	40.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

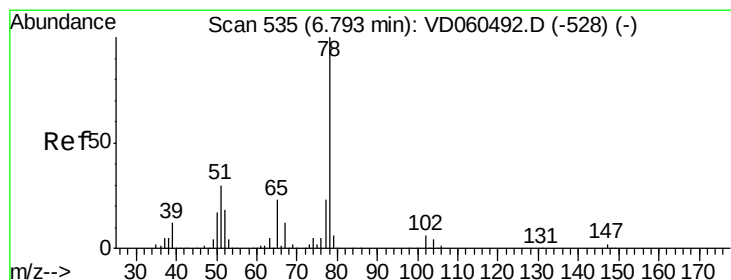
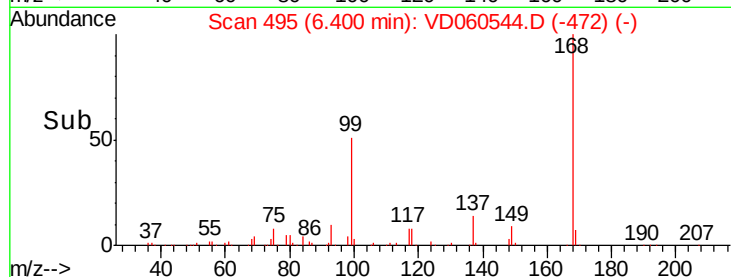
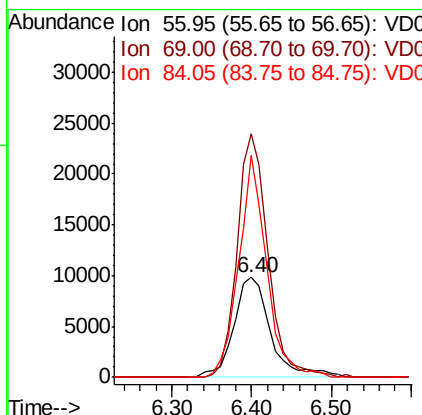
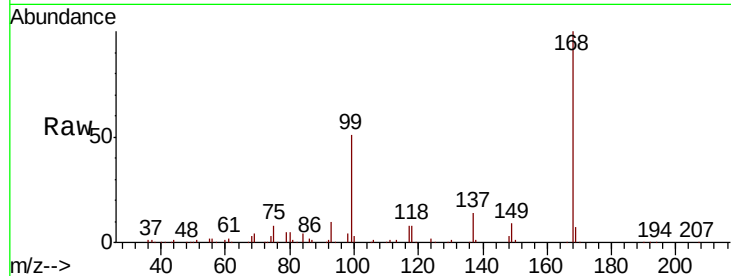




#31
Cyclohexane
Concen: Below Cal
RT: 6.40 min Scan# 495
Delta R.T. 0.03 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

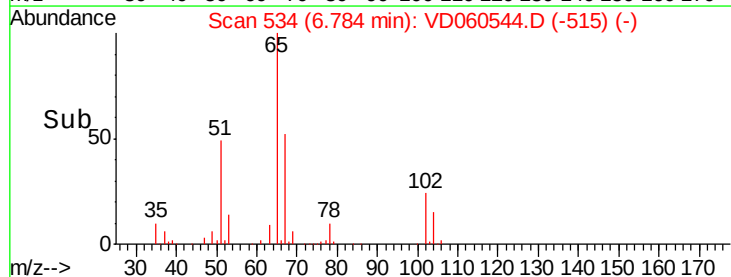
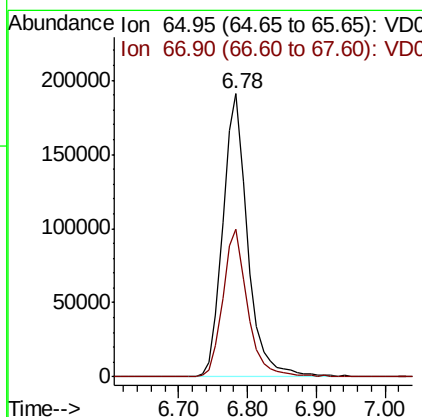
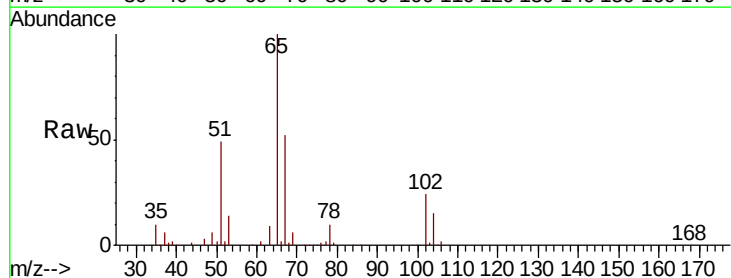
Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-A

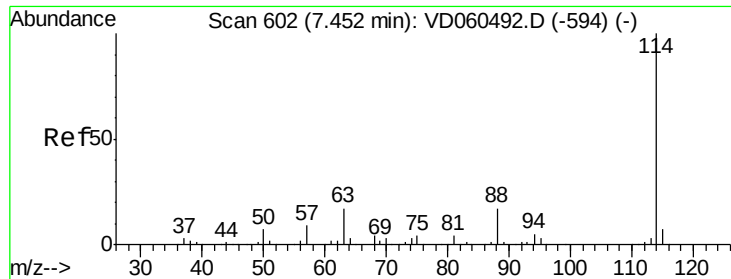
Tot Ion: 56 Resp: 31494
Ion Ratio Lower Upper
56 100
69 243.1 22.8 34.2#
84 221.2 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.01 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

Tgt Ion: 65 Resp: 475935
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.02 min

Lab File: VD060544.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

HR-05-121118-A

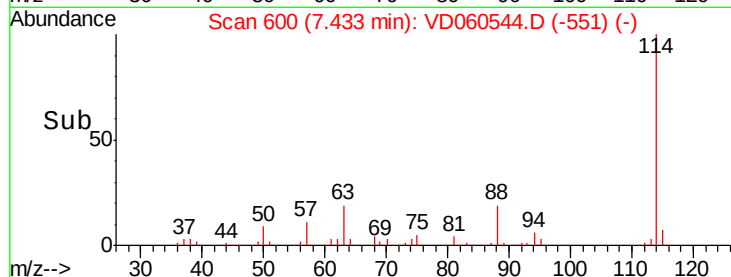
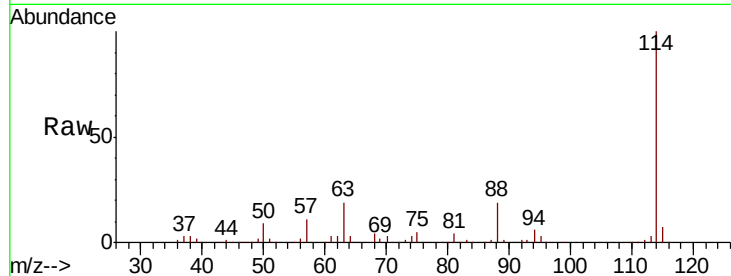
Tot Ion:114 Resp: 2017722

Ion Ratio Lower Upper

114 100

63 19.0 0.0 34.2

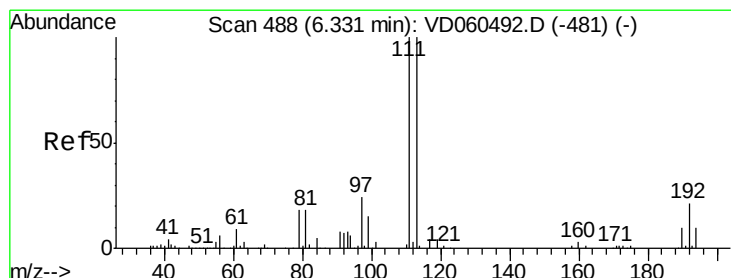
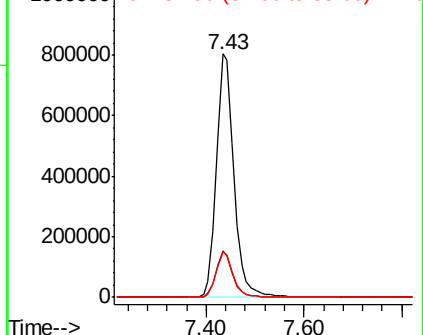
88 18.6 0.0 35.0



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: VD060544.D

Acq: 12 Dec 2018 13:52

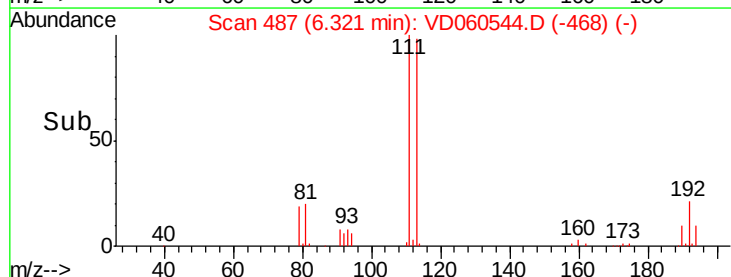
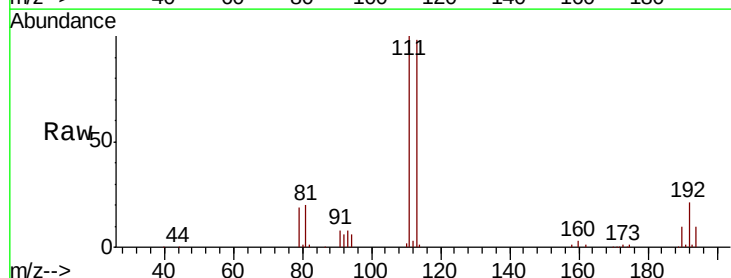
Tgt Ion:113 Resp: 670723

Ion Ratio Lower Upper

113 100

111 102.0 80.2 120.4

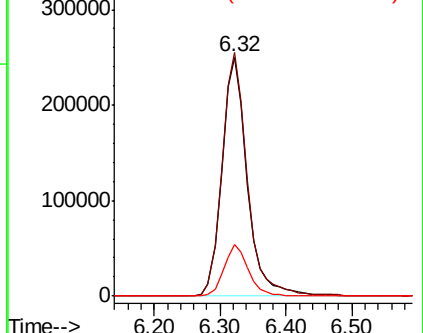
192 21.4 16.6 24.8

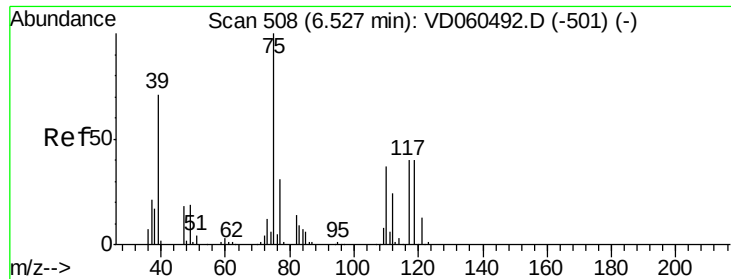


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

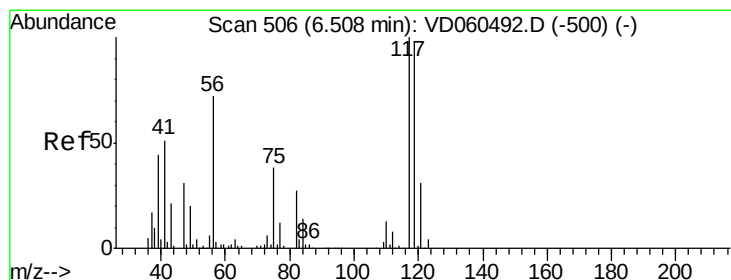
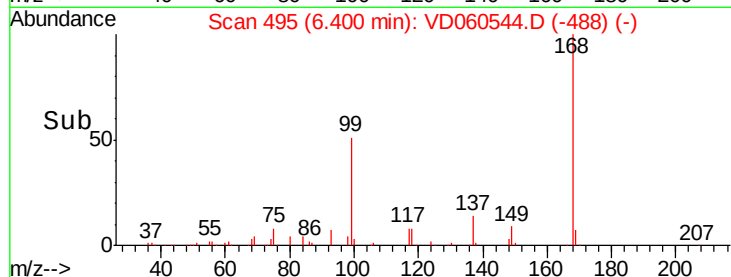
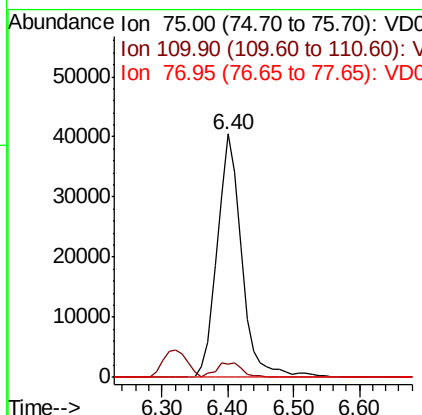
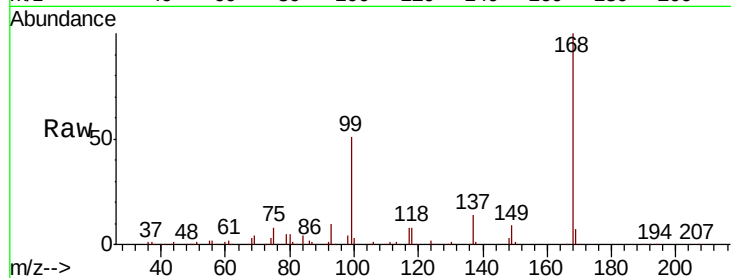




#36
 1,1-Dichloropropene
 Concen: 5.323 ug/l
 RT: 6.40 min Scan# 495
 Delta R.T. -0.13 min
 Lab File: VD060544.D
 Acq: 12 Dec 2018 13:52

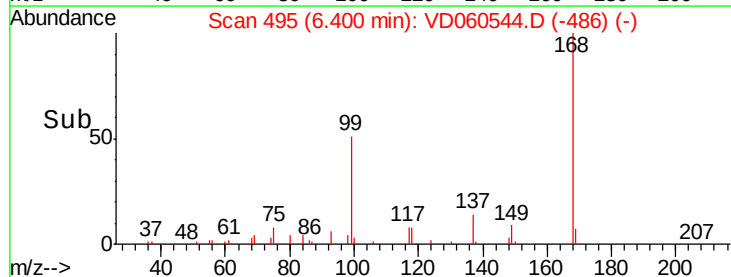
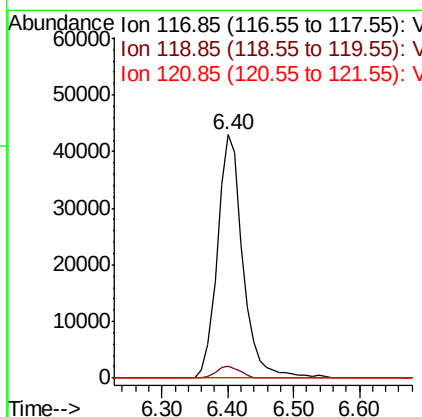
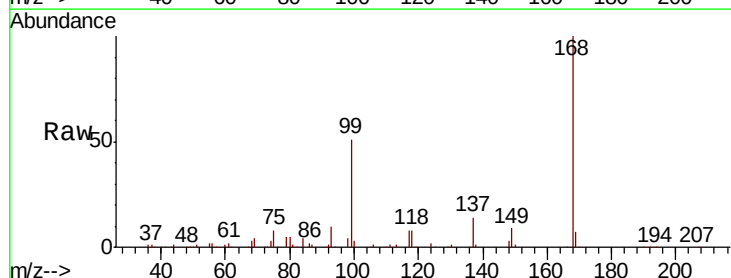
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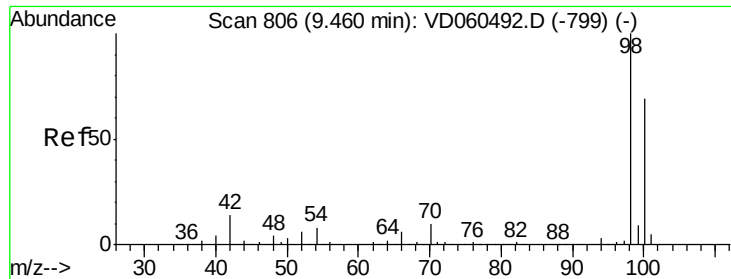
Tot Ion: 75 Resp: 104981
 Ion Ratio Lower Upper
 75 100
 110 5.7 18.3 54.8#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.515 ug/l
 RT: 6.40 min Scan# 495
 Delta R.T. -0.11 min
 Lab File: VD060544.D
 Acq: 12 Dec 2018 13:52

Tgt Ion: 117 Resp: 115352
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.8 115.2#
 121 0.0 24.4 36.6#

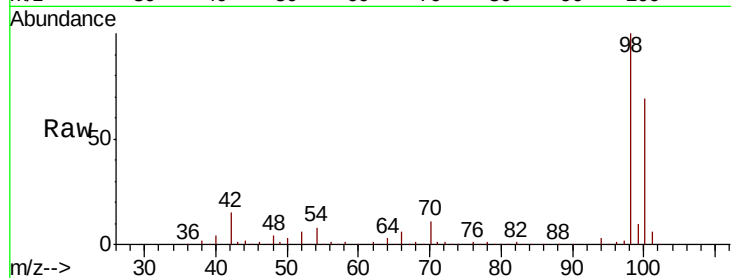




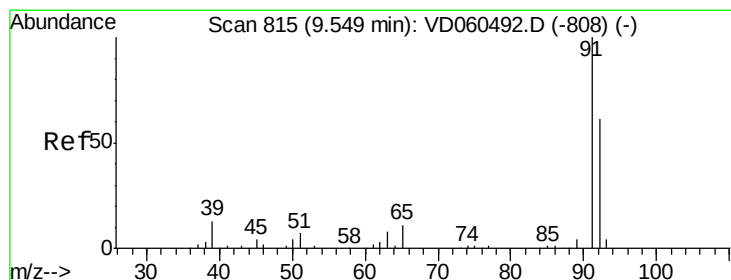
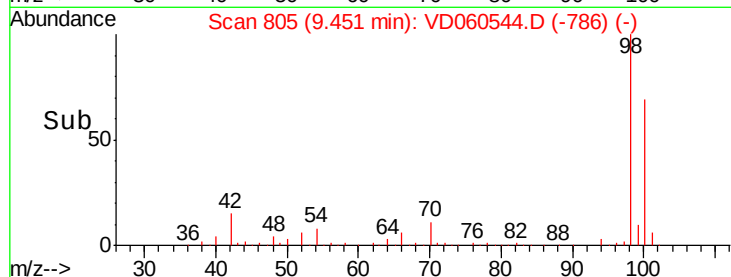
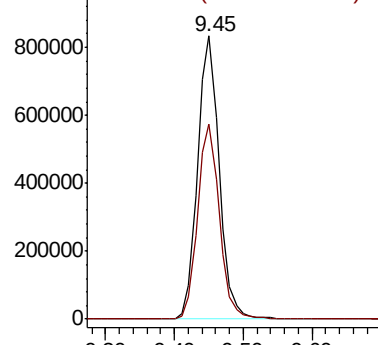
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-A

Tot Ion: 98 Resp: 1809181
Ion Ratio Lower Upper
98 100
100 68.7 55.7 83.5

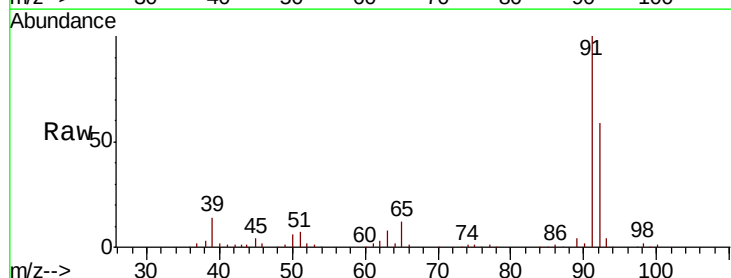


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

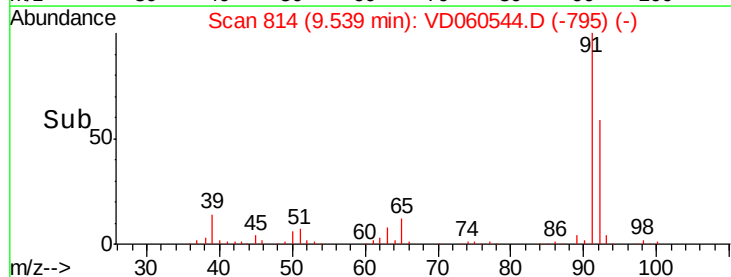
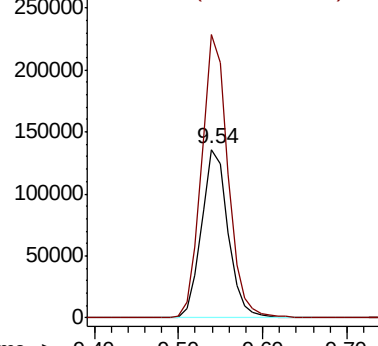


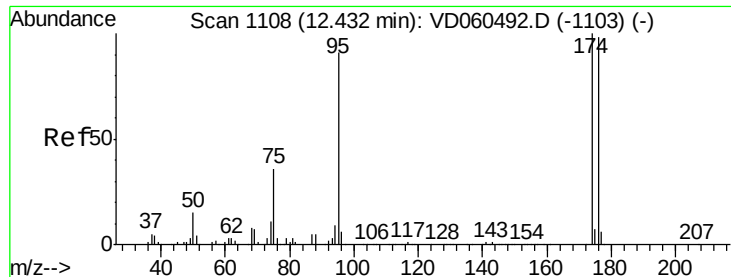
#52
Toluene
Concen: 9.452 ug/l
RT: 9.54 min Scan# 814
Delta R.T. -0.01 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

Tgt Ion: 92 Resp: 297778
Ion Ratio Lower Upper
92 100
91 168.2 131.7 197.5



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





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060544.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

HR-05-121118-A

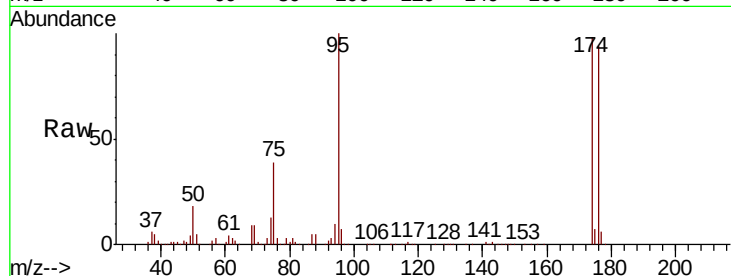
Tot Ion: 95 Resp: 653588

Ion Ratio Lower Upper

95 100

174 97.5 0.0 219.4

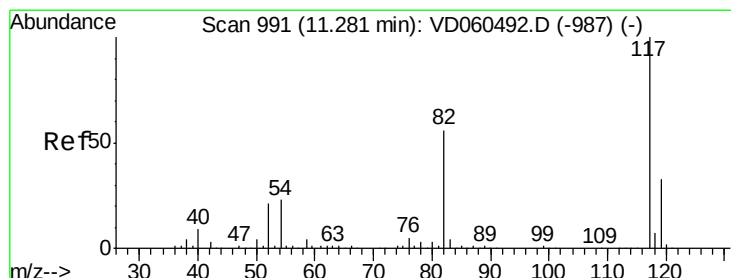
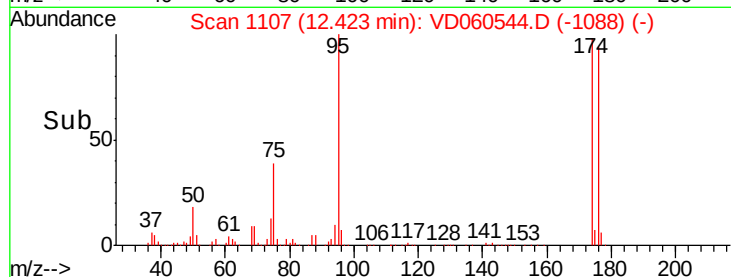
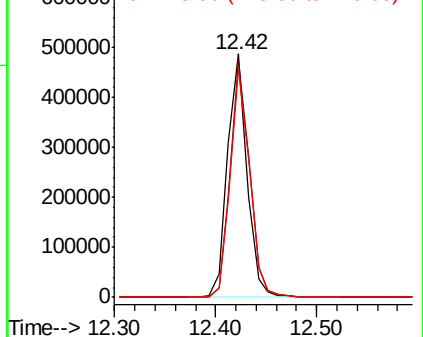
176 93.9 0.0 214.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD060544.D

Acq: 12 Dec 2018 13:52

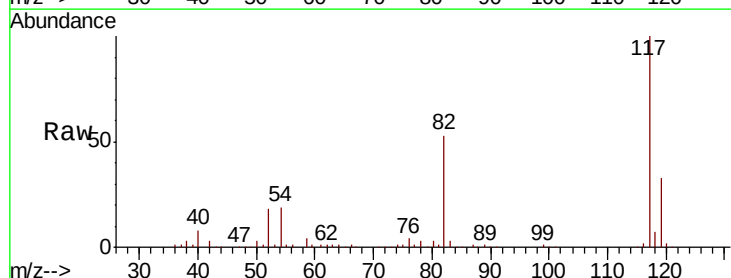
Tgt Ion: 117 Resp: 1637509

Ion Ratio Lower Upper

117 100

82 52.8 45.2 67.8

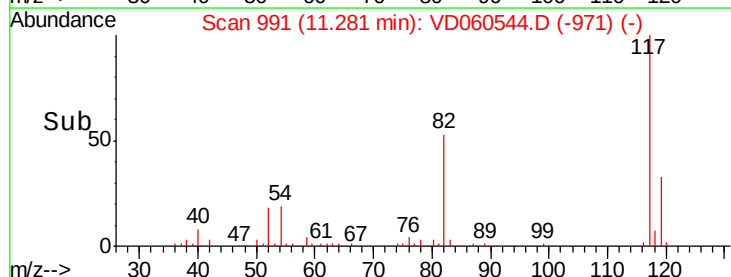
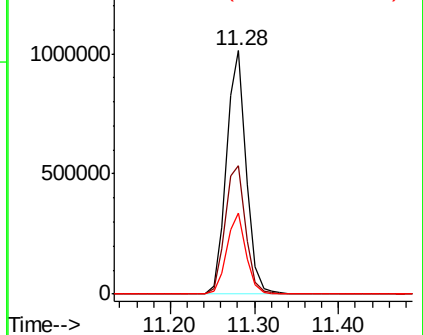
119 33.2 26.1 39.1

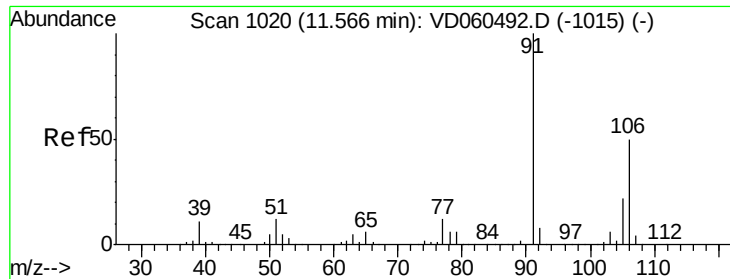


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

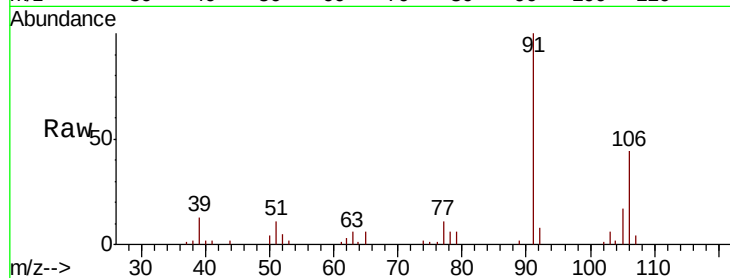




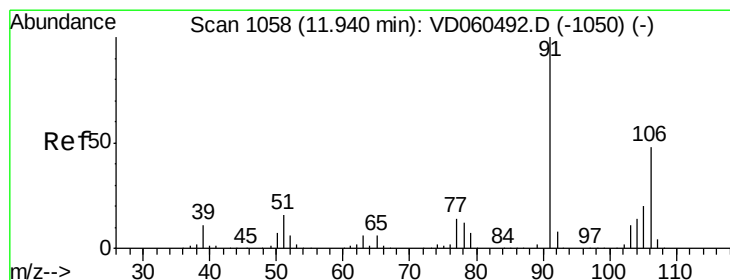
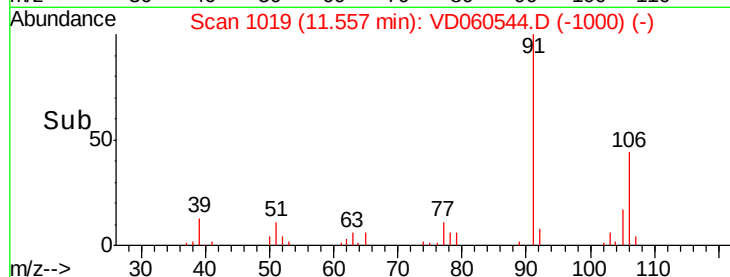
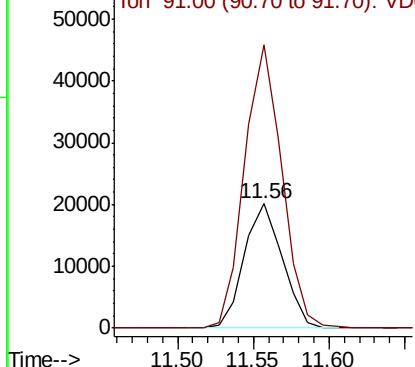
#68
m/p-Xylenes
Concen: 1.623 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-A

Tot Ion:106 Resp: 35490
Ion Ratio Lower Upper
106 100
91 227.3 160.5 240.7

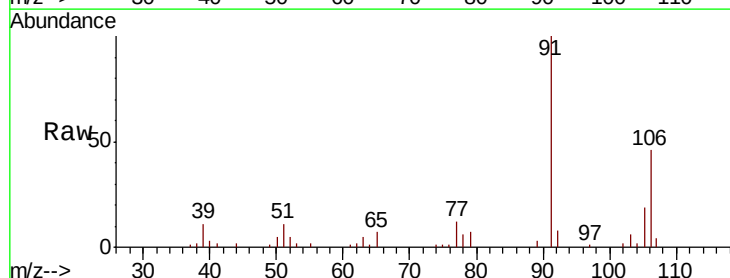


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

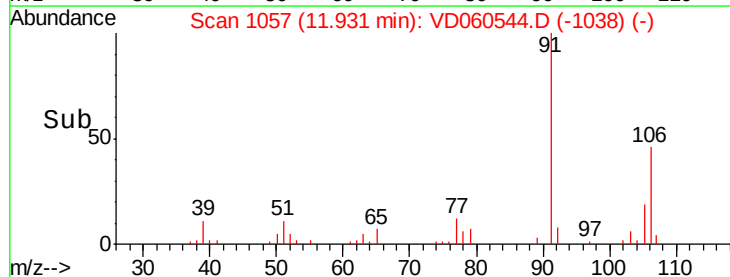
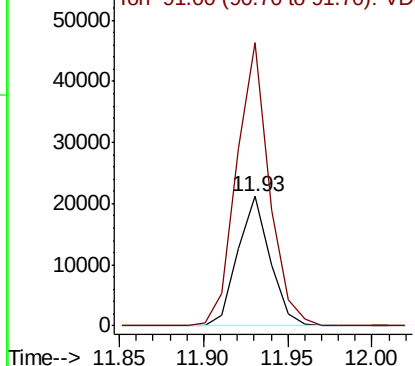


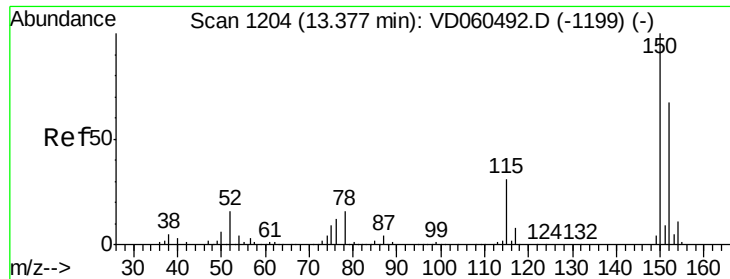
#69
o-Xylene
Concen: 1.364 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

Tgt Ion:106 Resp: 28422
Ion Ratio Lower Upper
106 100
91 218.4 103.4 310.1



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC



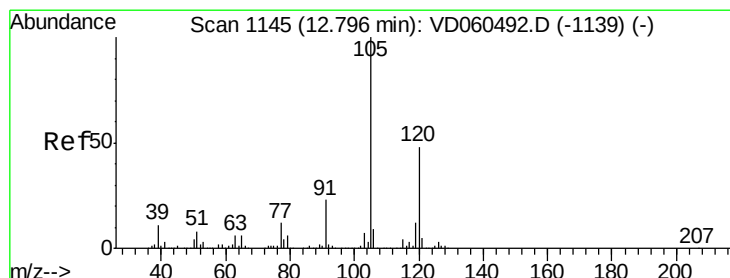
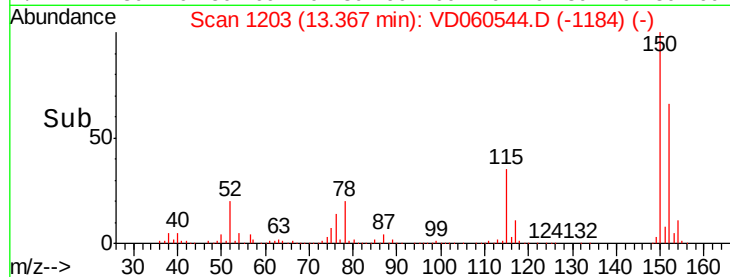
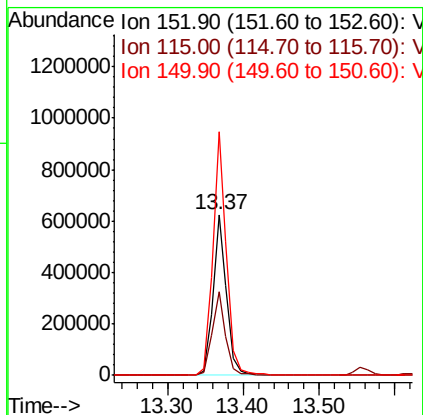
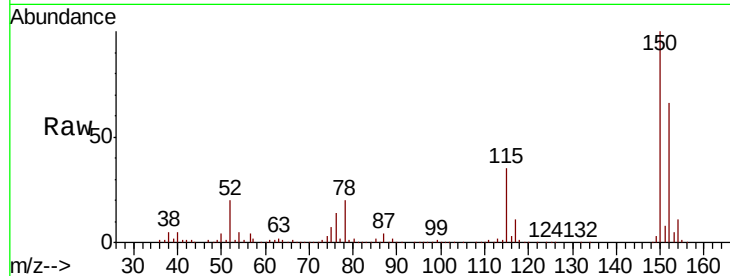


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.37 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VD060544.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-121118-A

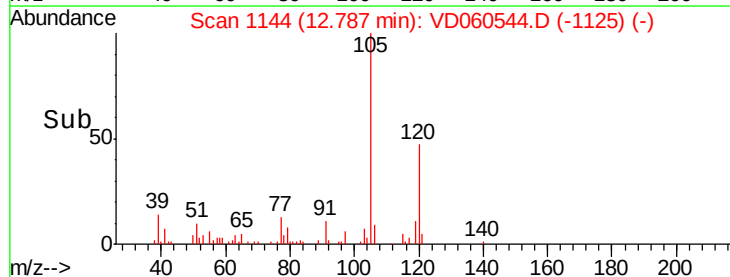
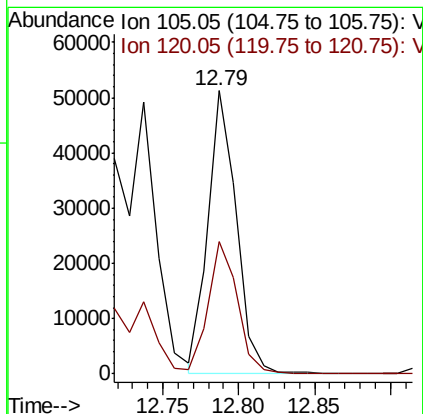
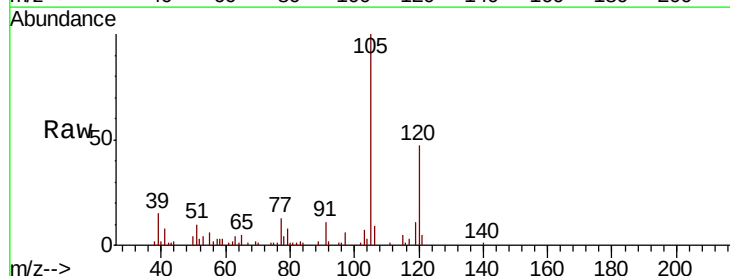
Tot Ion:152 Resp: 787119
 Ion Ratio Lower Upper
 152 100
 115 52.3 24.6 74.0
 150 151.6 0.0 309.0

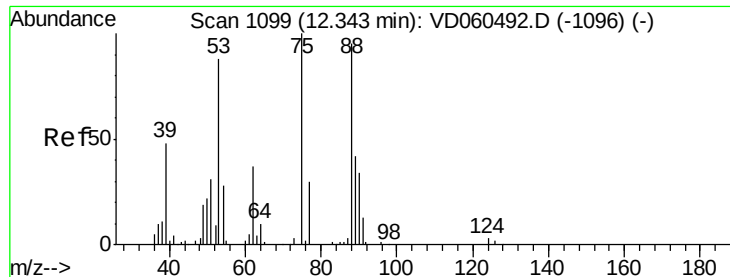


#80

1,3,5-Trimethylbenzene
 Concen: 1.579 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VD060544.D
 Acq: 12 Dec 2018 13:52

Tgt Ion:105 Resp: 67186
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 106.742 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060544.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

HR-05-121118-A

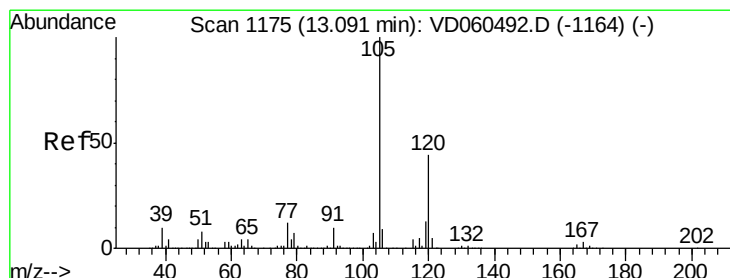
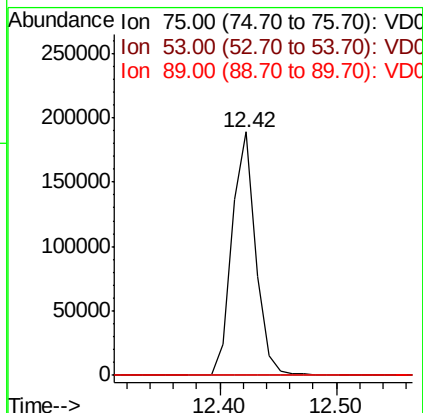
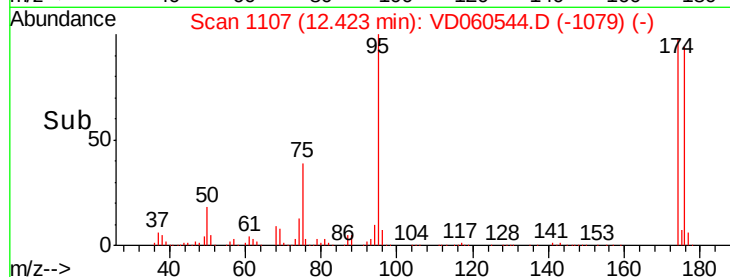
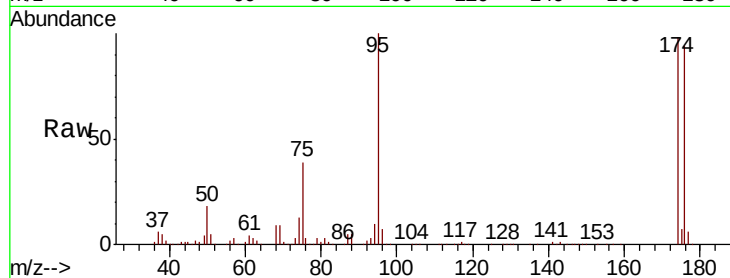
Tot Ion: 75 Resp: 265513

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



#84

1,2,4-Trimethylbenzene

Concen: 6.921 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VD060544.D

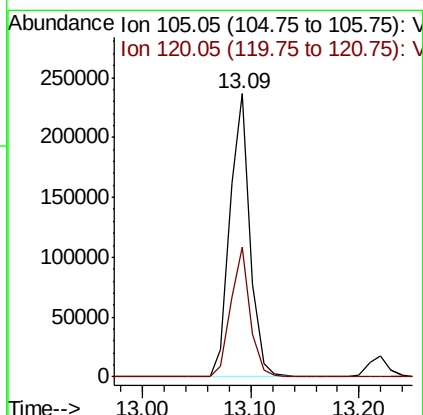
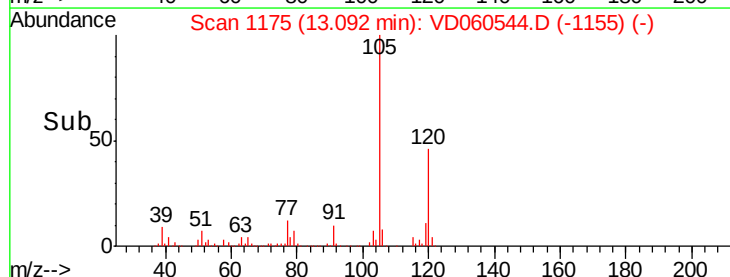
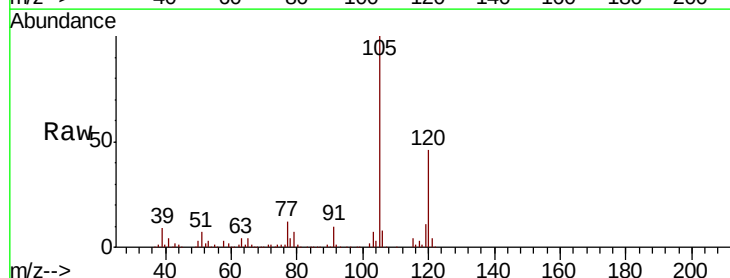
Acq: 12 Dec 2018 13:52

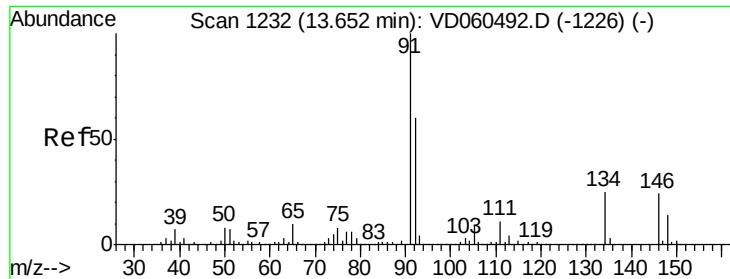
Tgt Ion: 105 Resp: 305006

Ion Ratio Lower Upper

105 100

120 45.9 22.3 66.8

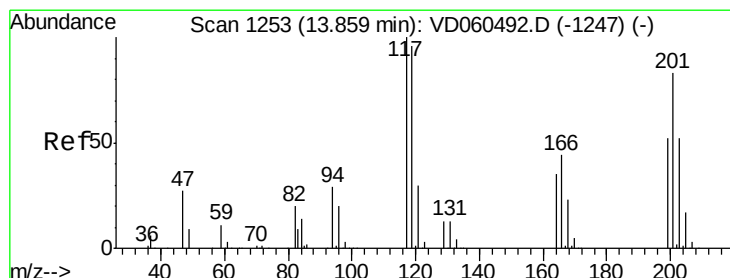
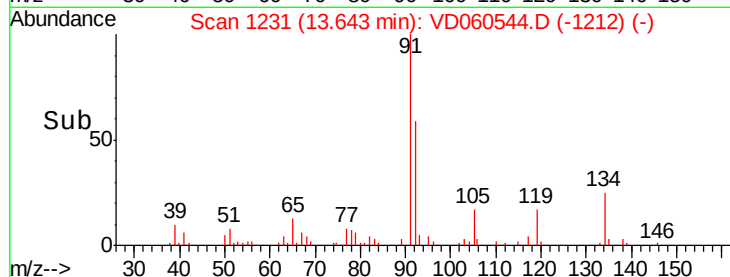
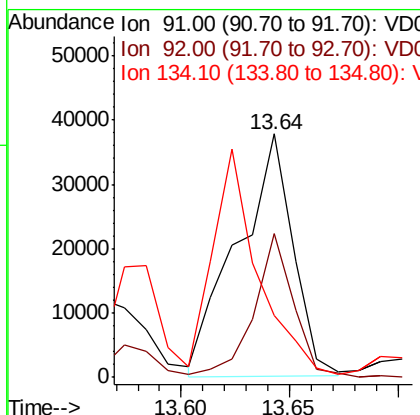
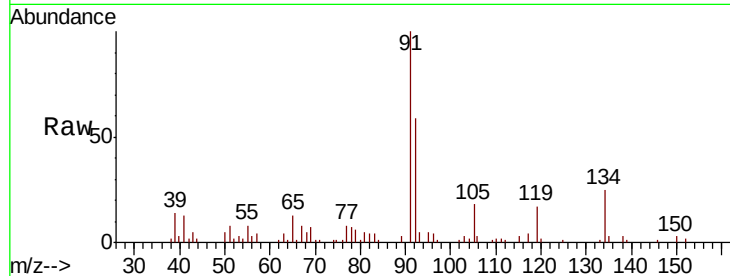




#89
n-Butylbenzene
Concen: 1.035 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

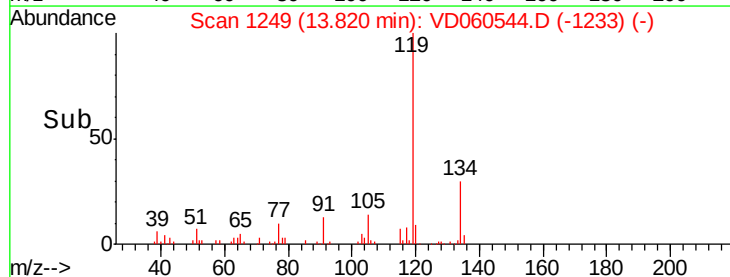
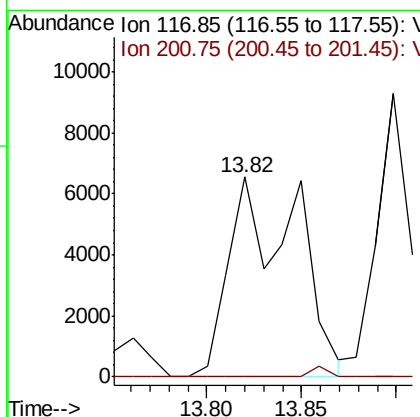
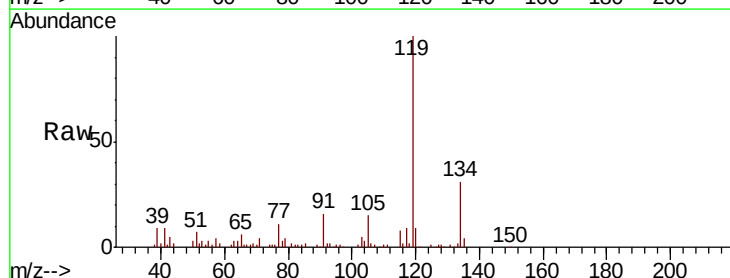
Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-A

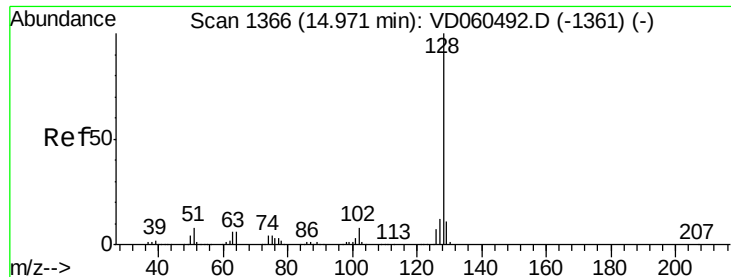
Tot Ion: 91 Resp: 67013
Ion Ratio Lower Upper
91 100
92 58.8 30.0 90.1
134 25.5 12.5 37.5



#90
Hexachloroethane
Concen: 1.347 ug/l
RT: 13.82 min Scan# 1249
Delta R.T. -0.04 min
Lab File: VD060544.D
Acq: 12 Dec 2018 13:52

Tgt Ion: 117 Resp: 15920
Ion Ratio Lower Upper
117 100
201 0.0 41.3 123.9#





#95
 Naphthalene
 Concen: 6.756 ug/l
 RT: 14.96 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD060544.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-121118-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.8
129	11.4	8.6	13.0

