

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060546.D
 Acq On : 12 Dec 2018 14:49
 Operator : VA/AP
 Sample : J6189-05
 Misc : 5.7µl/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 13 00:19:43 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	1304665	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1887171	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1375355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	545390	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	458652	49.60	ug/l	-0.01
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	6.32	113	619660	44.70	ug/l	-0.01
Spiked Amount			Recovery	=	89.40%	
50) Toluene-d8	9.45	98	1452941	36.22	ug/l	-0.01
Spiked Amount			Recovery	=	72.44%	
62) 4-Bromofluorobenzene	12.42	95	482083	33.59	ug/l	-0.01
Spiked Amount			Recovery	=	67.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	213	Below Cal	#	41
8) Diethyl Ether	2.83	74	4866	2.281	ug/l	94
11) Tert butyl alcohol	3.97	59	417	1.110	ug/l #	73
16) Acetone	3.16	43	76076	51.324	ug/l	99
20) Methylene Chloride	3.72	84	266657	16.605	ug/l	94
25) 2-Butanone	5.61	43	5457	1.871	ug/l	97
29) Tetrahydrofuran	5.95	42	2260	1.369	ug/l #	54
31) Cyclohexane	6.40	56	28047	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	91743	4.973	ug/l #	48
38) Carbon Tetrachloride	6.40	117	102275	6.176	ug/l #	16
52) Toluene	9.55	92	167290	5.677	ug/l	100
59) 2-Hexanone	10.44	43	28365	6.606	ug/l #	34
67) Ethyl Benzene	11.43	91	535157	10.783	ug/l	97
68) m/p-Xylenes	11.57	106	224273	12.215	ug/l	94
69) o-Xylene	11.93	106	675420	38.600	ug/l	91
70) Styrene	11.93	104	32435	1.155	ug/l #	1
73) Isopropylbenzene	12.27	105	213895	5.542	ug/l	98
74) N-amyl acetate	12.09	43	200633	21.510	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.58	83	48735	7.888	ug/l #	67
76) 1,2,3-Trichloropropane	12.64	75	6360	1.029	ug/l #	1
78) n-propylbenzene	12.64	91	1221885	25.046	ug/l	98
79) 2-Chlorotoluene	12.71	91	179960	6.798	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.80	105	1983439	67.257	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.42	75	190836	110.725	ug/l #	19
82) 4-Chlorotoluene	12.80	91	201678	6.783	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.09	105	1576935	51.643	ug/l	100
85) sec-Butylbenzene	13.22	105	412699	10.014	ug/l	95
86) p-Isopropyltoluene	13.35	119	353322	10.815	ug/l	99
89) n-Butylbenzene	13.65	91	1120624	32.304	ug/l	96
90) Hexachloroethane	13.83	117	65918	8.048	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.22	75	7685	10.265	ug/l #	7
95) Naphthalene	14.97	128	339287	24.305	ug/l	98

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Quant Time: Dec 13 00:19:43 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

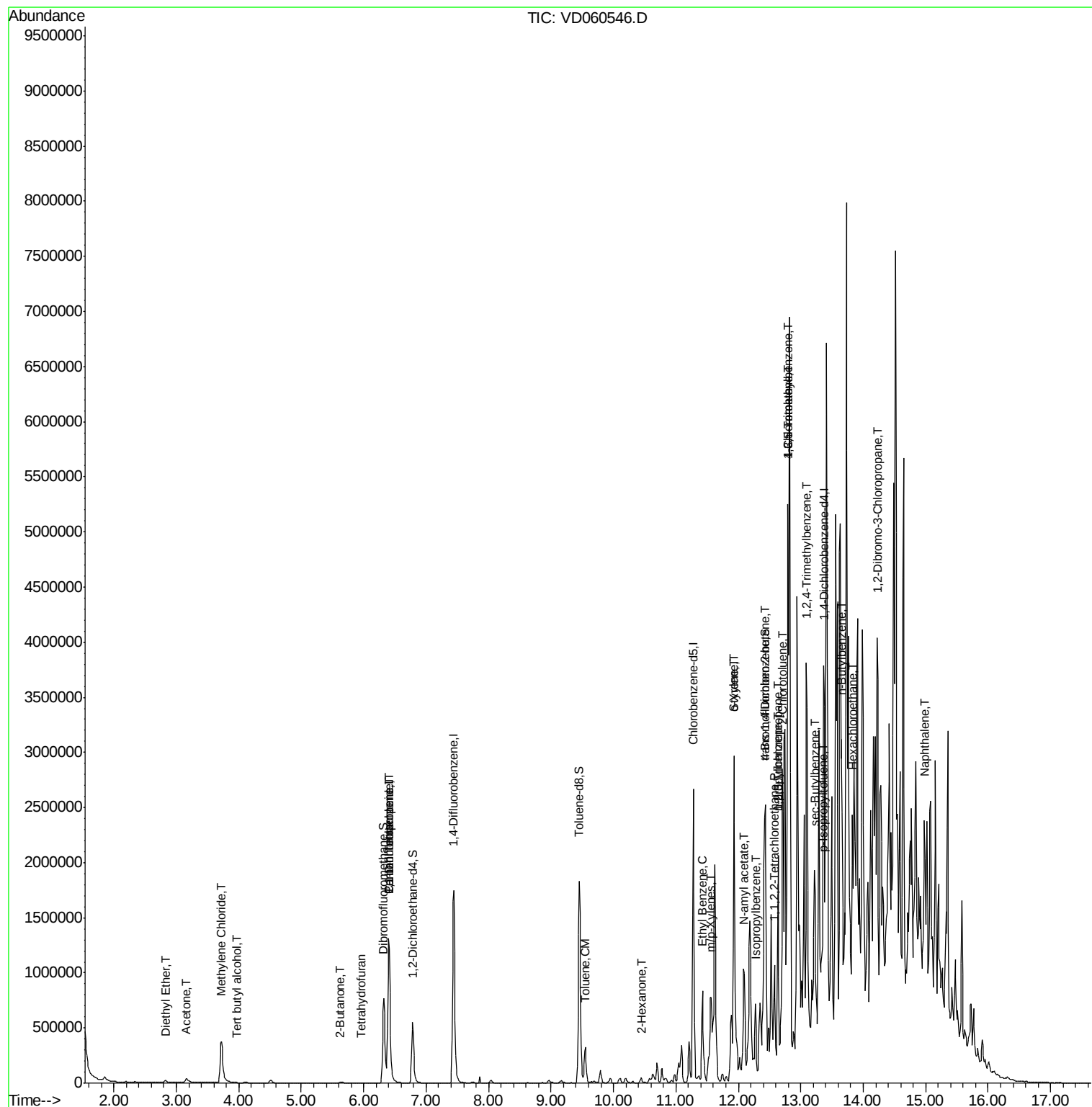
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

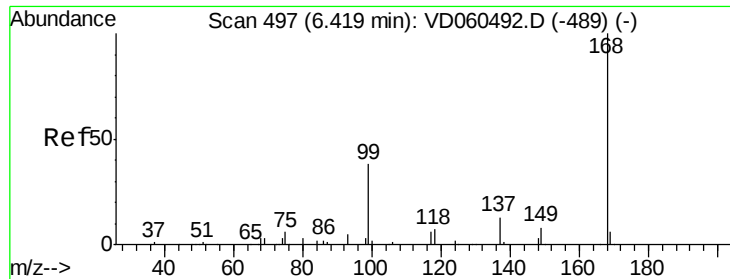
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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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: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

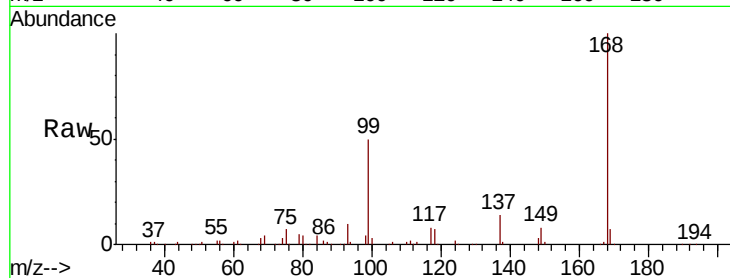
HR-05-121118-C

Tot Ion:168 Resp: 1304665

Ion Ratio Lower Upper

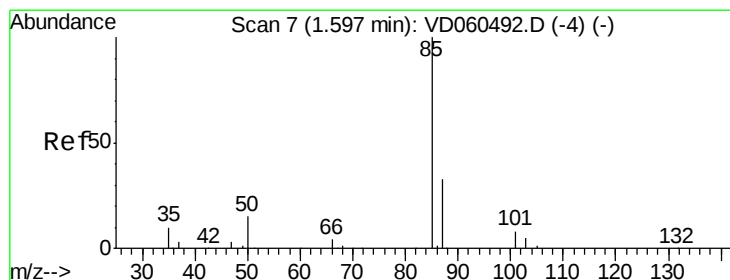
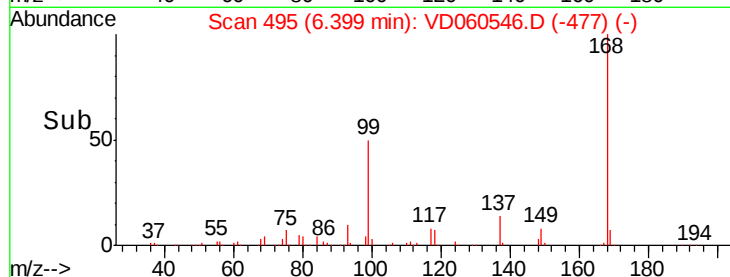
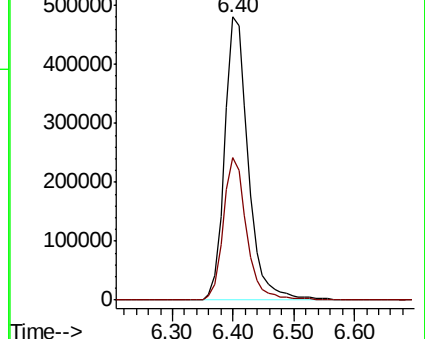
168 100

99 50.3 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060546.D

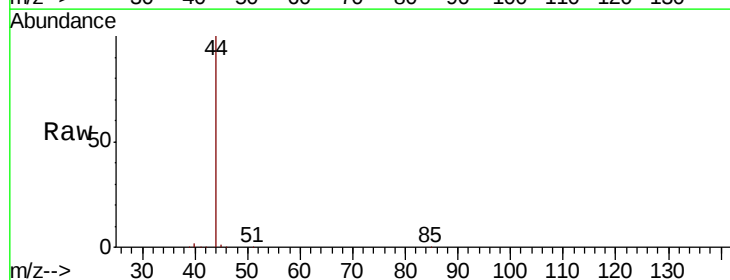
Acq: 12 Dec 2018 14:49

Tgt Ion: 85 Resp: 213

Ion Ratio Lower Upper

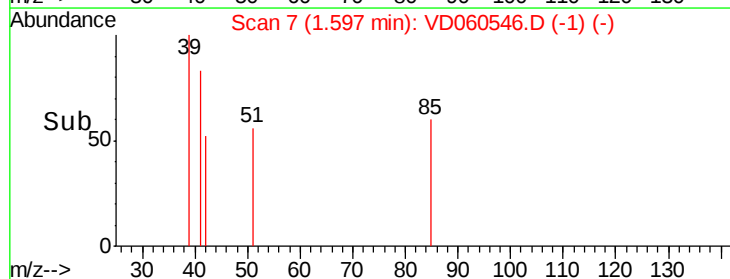
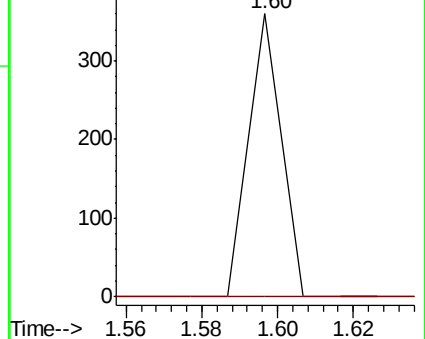
85 100

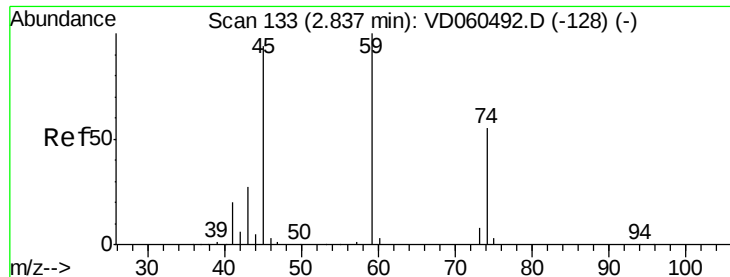
87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 2.281 ug/l

RT: 2.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

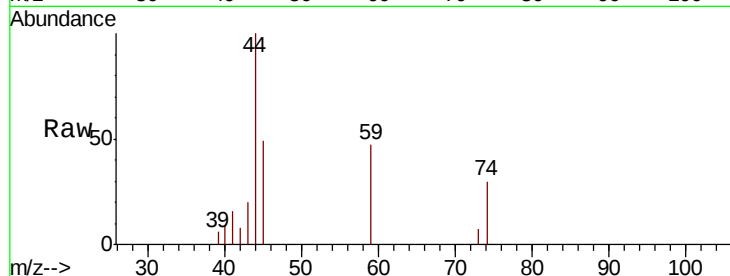
HR-05-121118-C

Tot Ion: 74 Resp: 4866

Ion Ratio Lower Upper

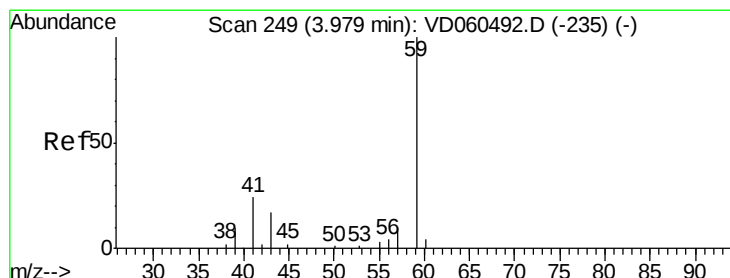
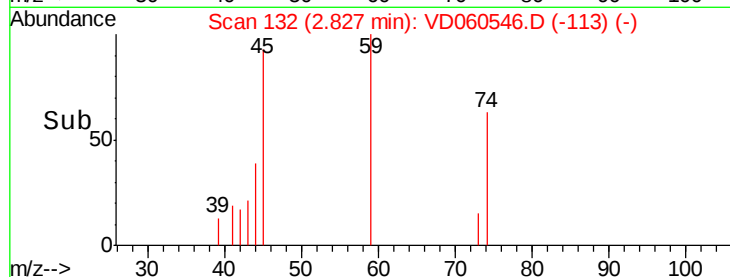
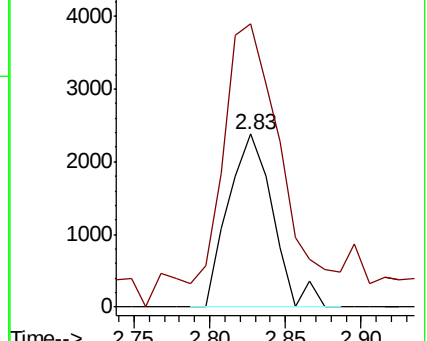
74 100

45 163.7 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 1.110 ug/l

RT: 3.97 min Scan# 248

Delta R.T. -0.01 min

Lab File: VD060546.D

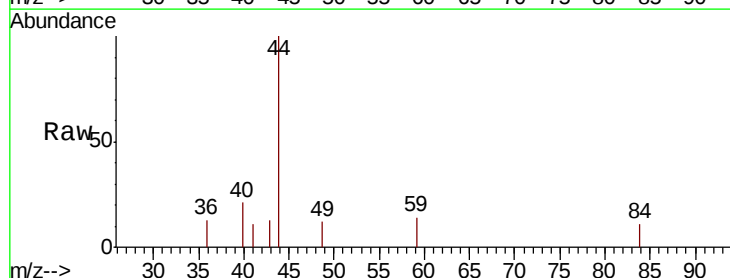
Acq: 12 Dec 2018 14:49

Tgt Ion: 59 Resp: 417

Ion Ratio Lower Upper

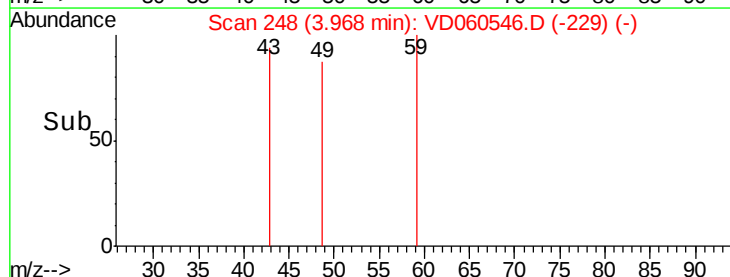
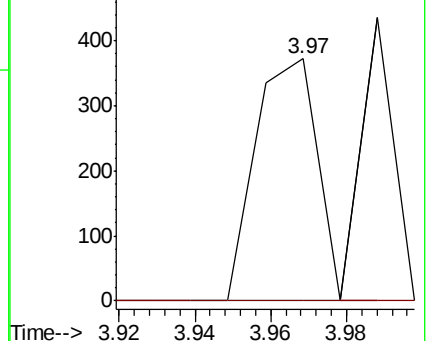
59 100

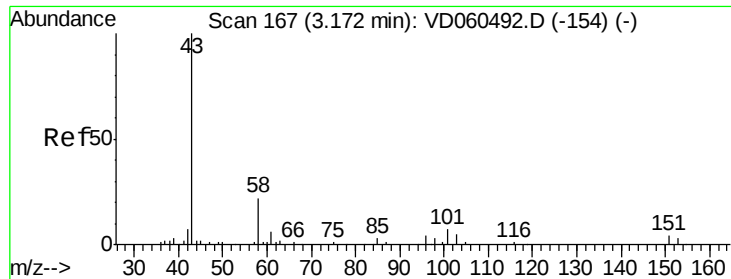
57 0.0 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 51.324 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

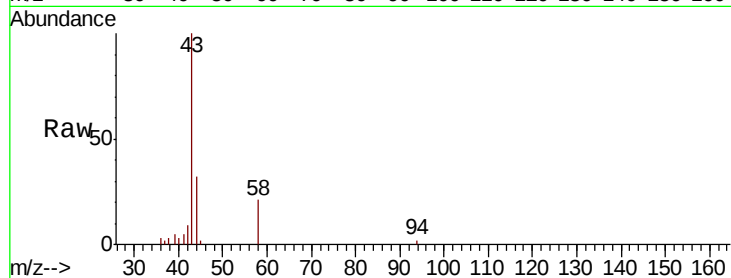
HR-05-121118-C

Tot Ion: 43 Resp: 76076

Ion Ratio Lower Upper

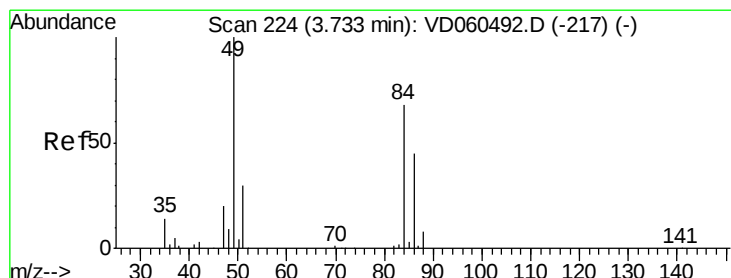
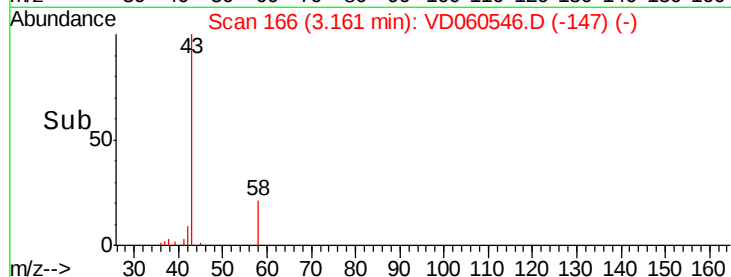
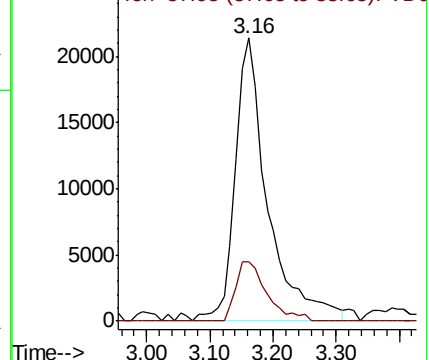
43 100

58 21.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 16.605 ug/l

RT: 3.72 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Tgt Ion: 84 Resp: 266657

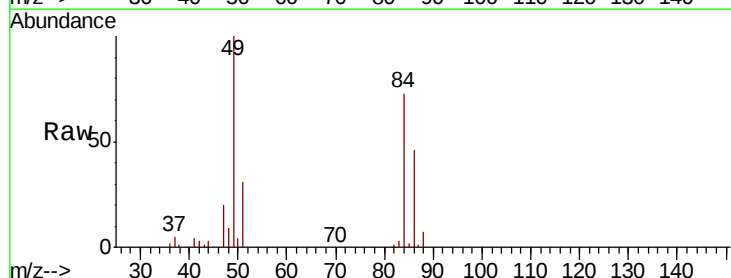
Ion Ratio Lower Upper

84 100

49 136.4 117.2 175.8

51 42.4 35.3 52.9

86 63.4 53.2 79.8

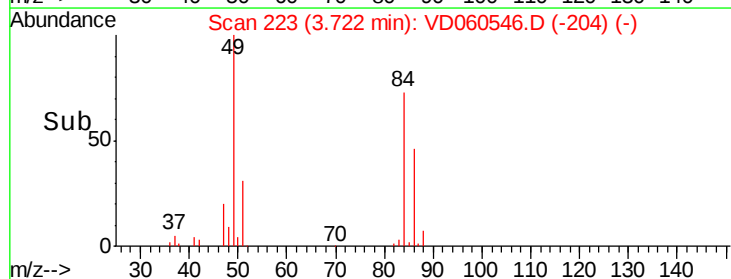
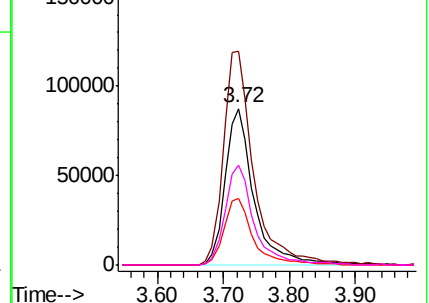


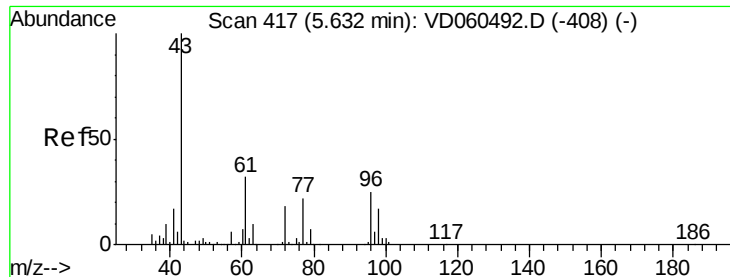
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.871 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

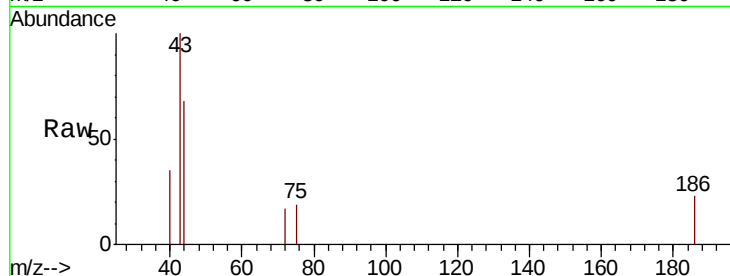
HR-05-121118-C

Tot Ion: 43 Resp: 5457

Ion Ratio Lower Upper

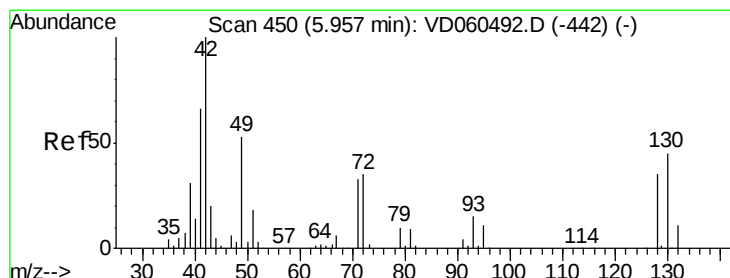
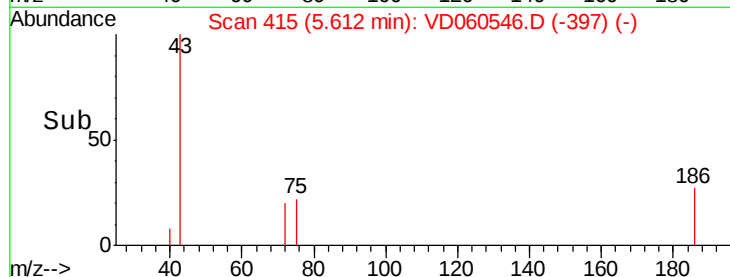
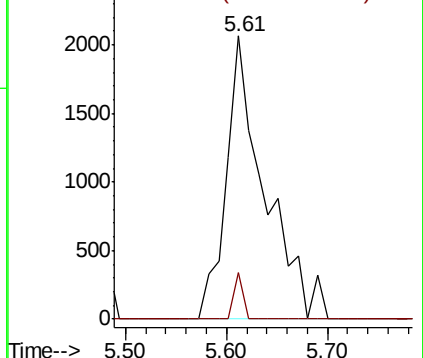
43 100

72 16.7 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.369 ug/l

RT: 5.95 min Scan# 449

Delta R.T. -0.01 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

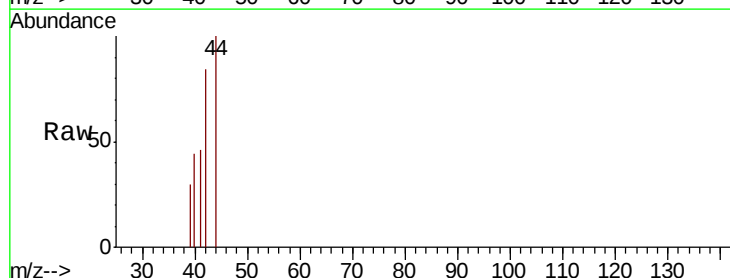
Tgt Ion: 42 Resp: 2260

Ion Ratio Lower Upper

42 100

72 0.0 28.0 42.0#

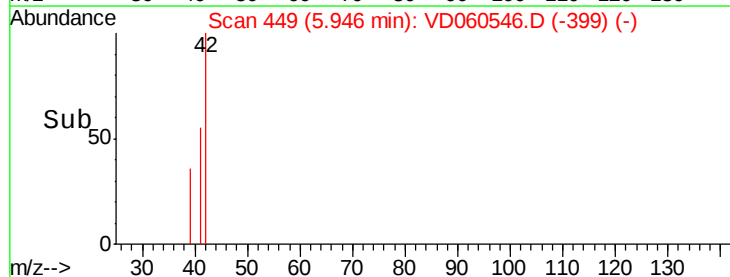
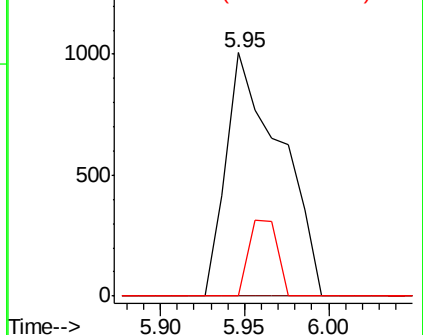
71 16.2 27.2 40.8#

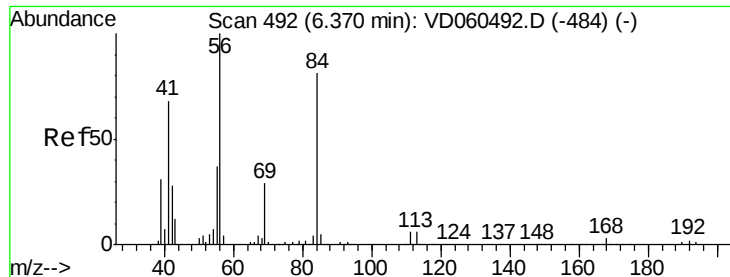


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

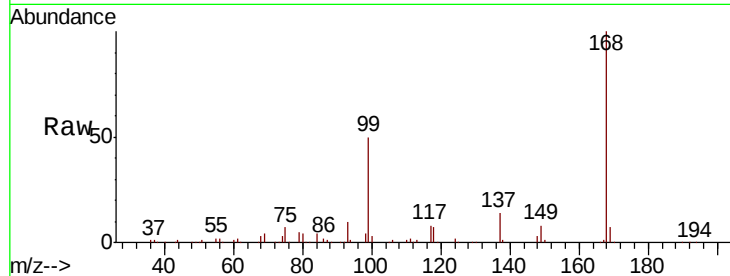




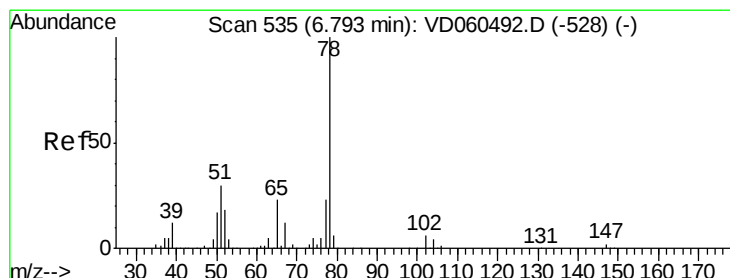
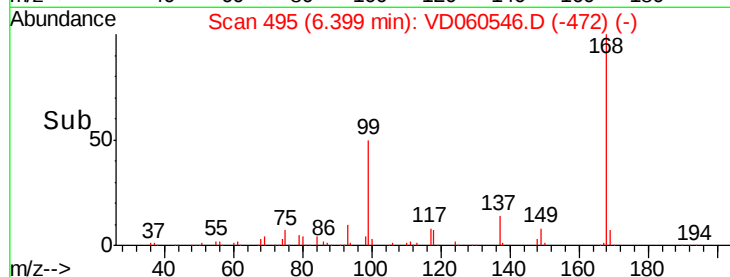
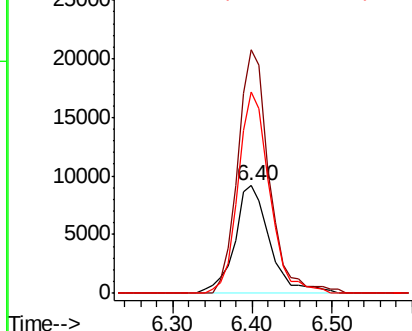
#31
Cyclohexane
Concen: Below Cal
RT: 6.40 min Scan# 495
Delta R.T. 0.03 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

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

Tot Ion	56	Resp	28047
Ion Ratio	Lower	Upper	
56	100		
69	226.1	22.8	34.2#
84	187.5	65.1	97.7#

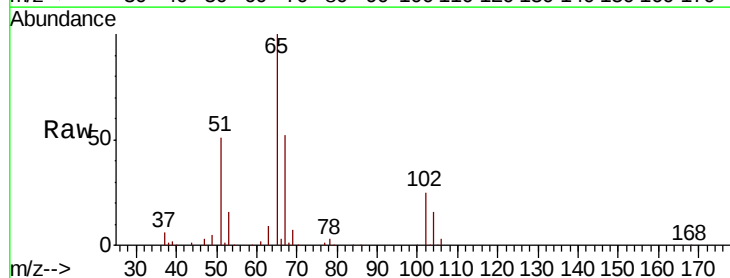


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

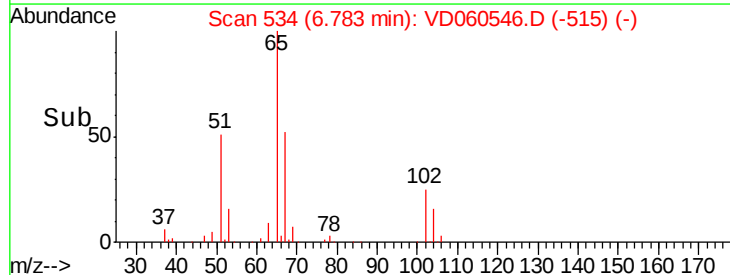
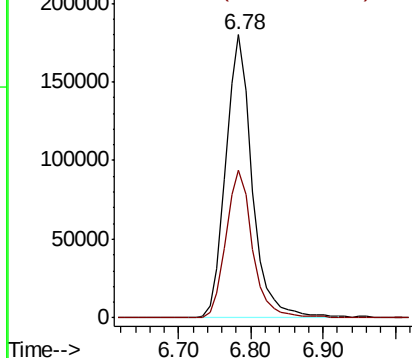


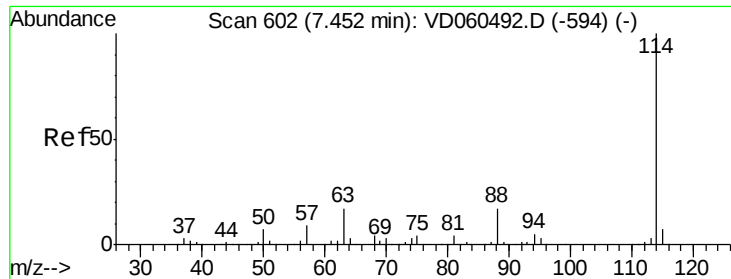
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.01 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Tgt Ion	65	Resp	458652
Ion Ratio	Lower	Upper	
65	100		
67	52.4	0.0	106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

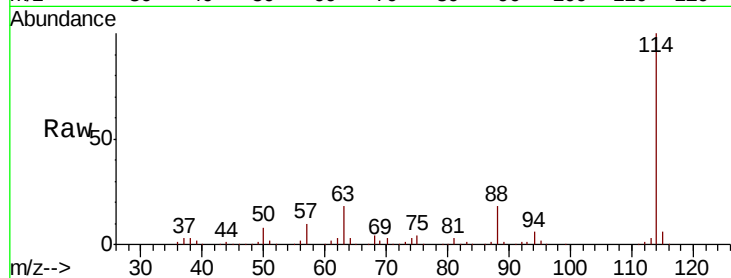




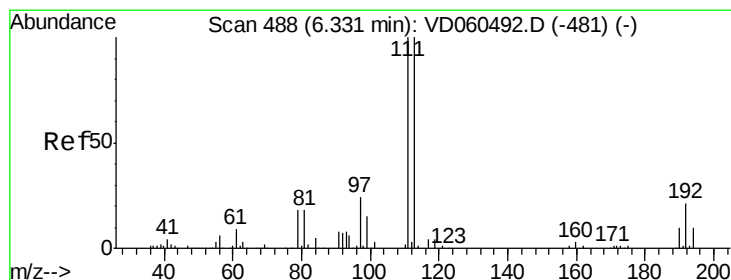
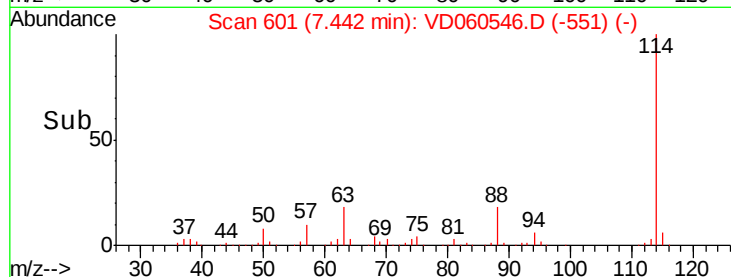
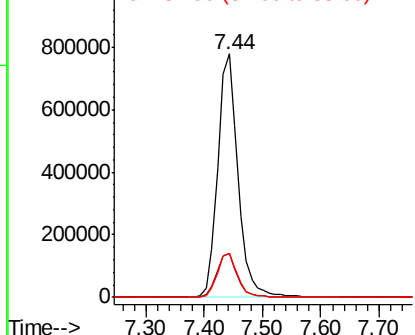
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

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

Tot Ion:114 Resp: 1887171
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.2
 88 18.3 0.0 35.0

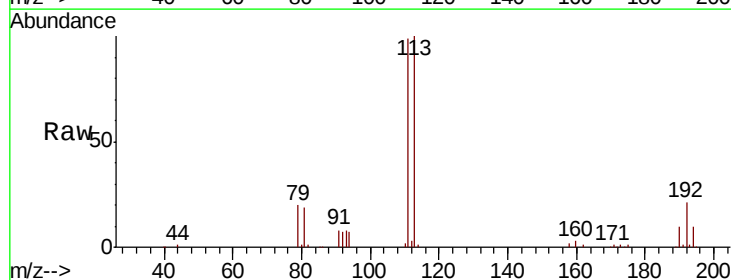


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

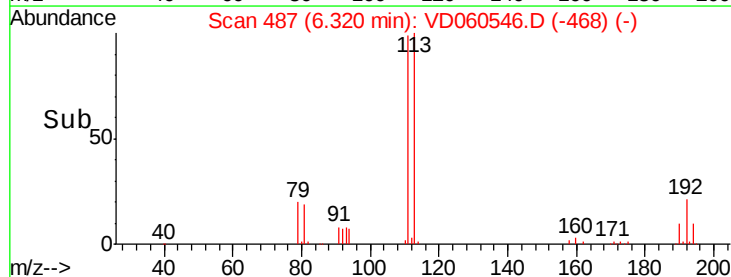
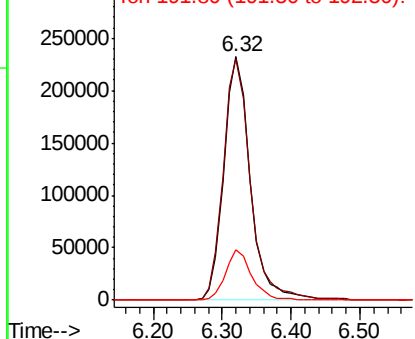


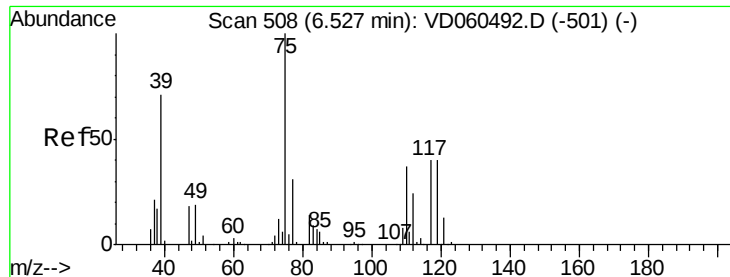
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

Tgt Ion:113 Resp: 619660
 Ion Ratio Lower Upper
 113 100
 111 99.0 80.2 120.4
 192 20.7 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





#36

1,1-Dichloropropene

Concen: 4.973 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.13 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

HR-05-121118-C

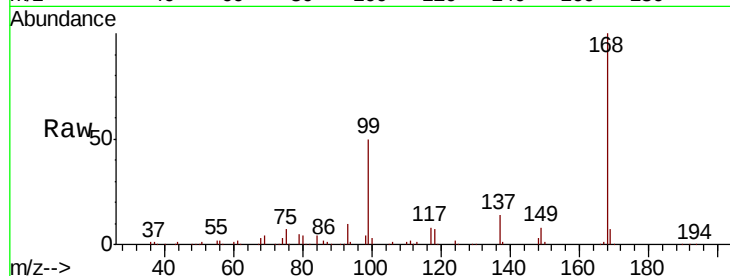
Tot Ion: 75 Resp: 91743

Ion Ratio Lower Upper

75 100

110 7.3 18.3 54.8#

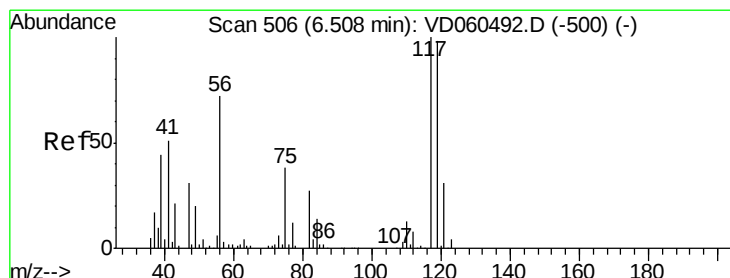
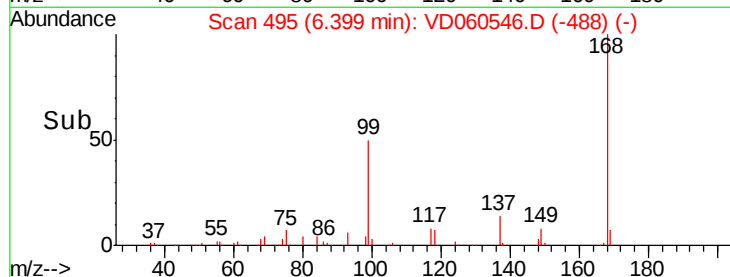
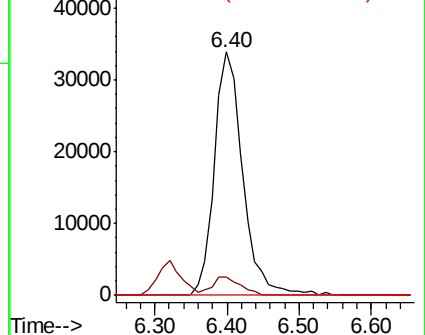
77 0.0 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.176 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.11 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

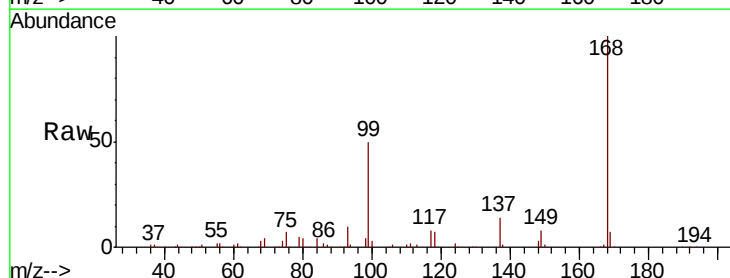
Tgt Ion: 117 Resp: 102275

Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

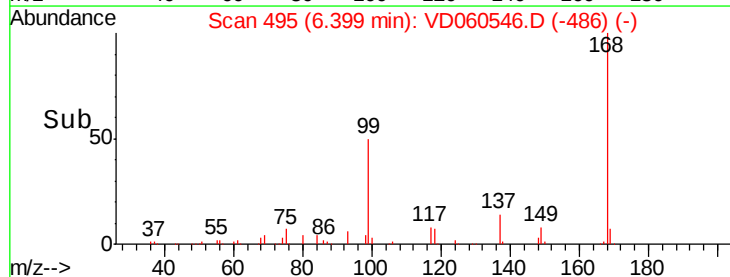
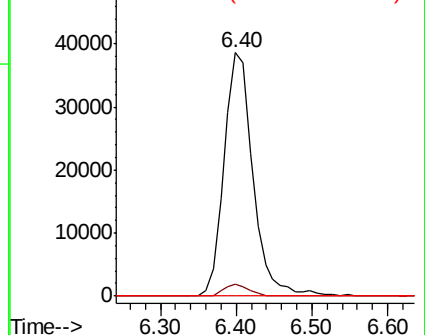
121 0.0 24.4 36.6#

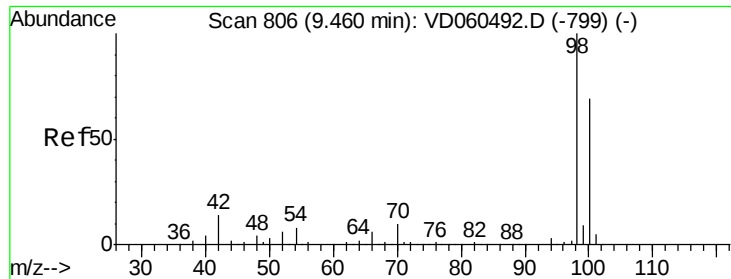


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

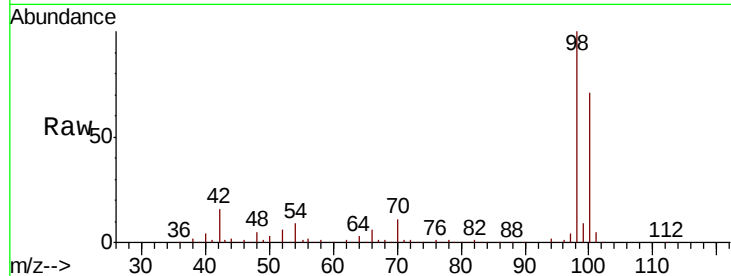
HR-05-121118-C

Tot Ion: 98 Resp: 1452941

Ion Ratio Lower Upper

98 100

100 70.8 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.45

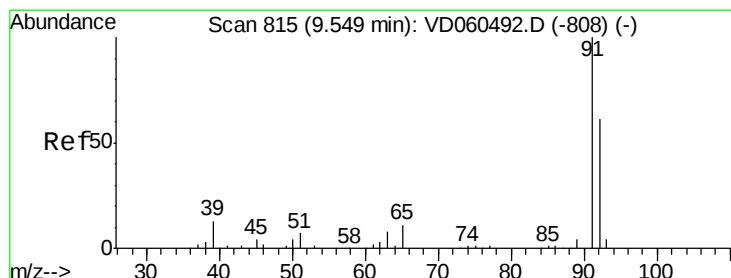
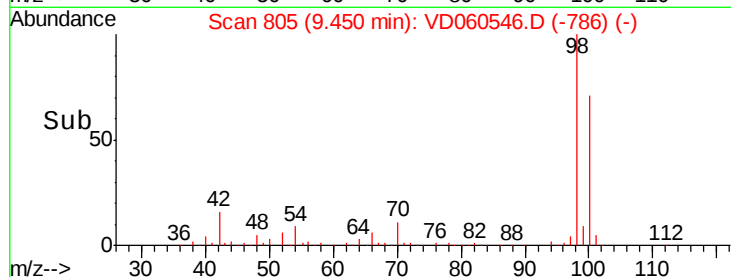
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 5.677 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060546.D

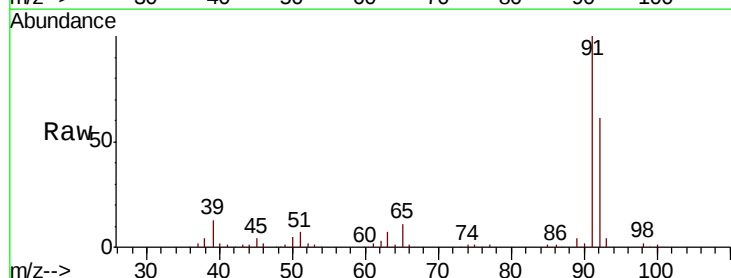
Acq: 12 Dec 2018 14:49

Tgt Ion: 92 Resp: 167290

Ion Ratio Lower Upper

92 100

91 164.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

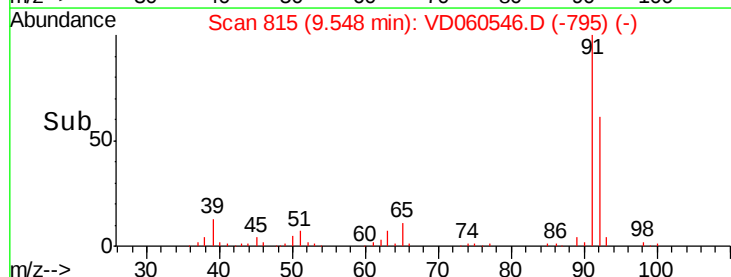
150000 Ion 91.00 (90.70 to 91.70): VDC

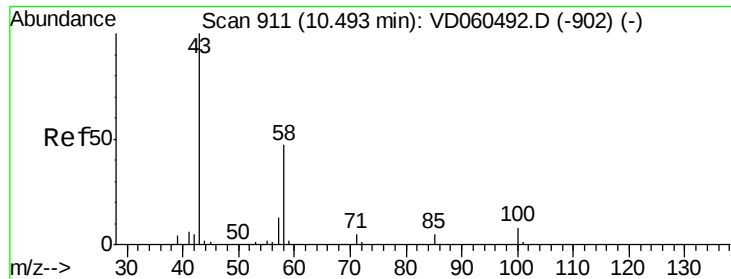
100000

50000

0

Time-->

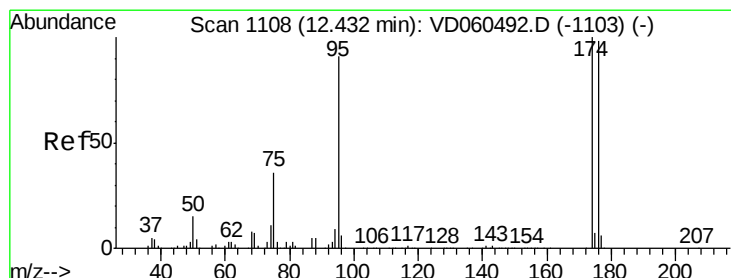
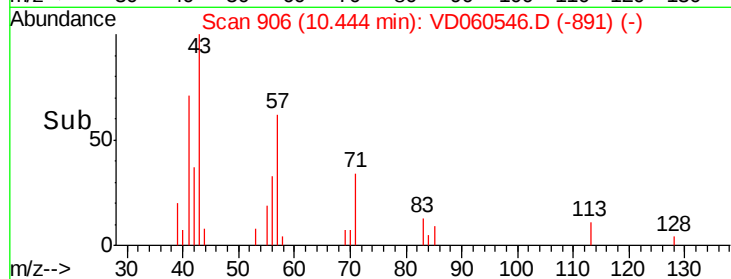
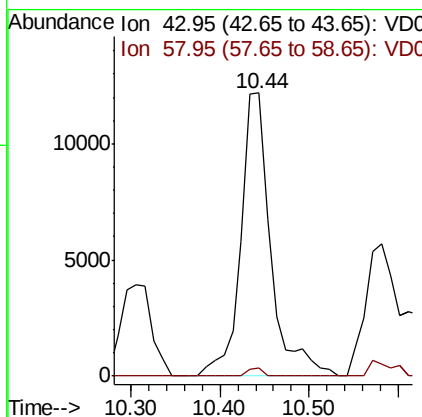
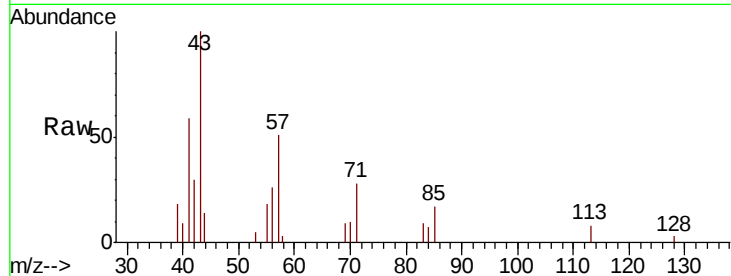




#59
2-Hexanone
Concen: 6.606 ug/l
RT: 10.44 min Scan# 906
Delta R.T. -0.05 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

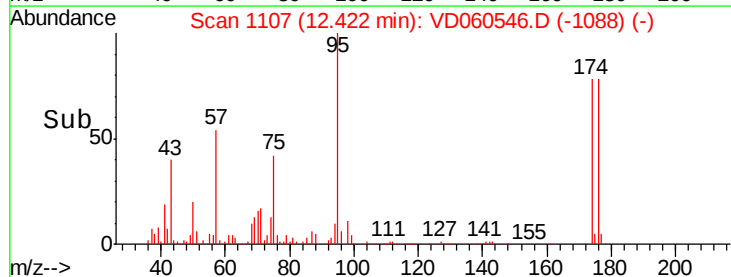
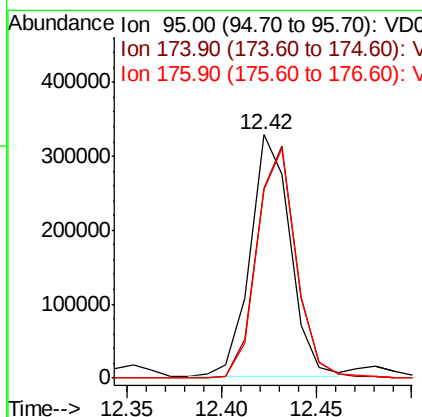
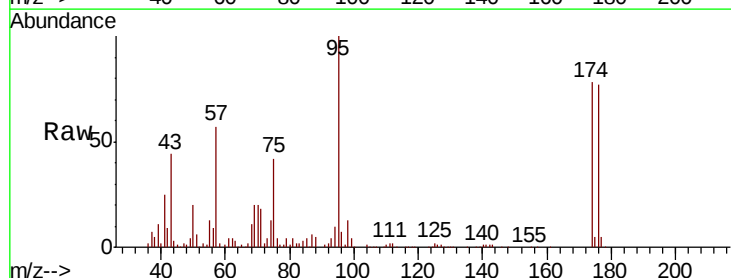
Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-C

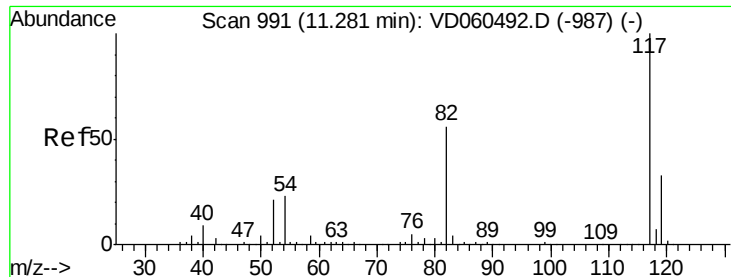
Tot Ion: 43 Resp: 28365
Ion Ratio Lower Upper
43 100
58 3.0 23.4 70.2#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Tgt Ion: 95 Resp: 482083
Ion Ratio Lower Upper
95 100
174 78.2 0.0 219.4
176 77.2 0.0 214.6

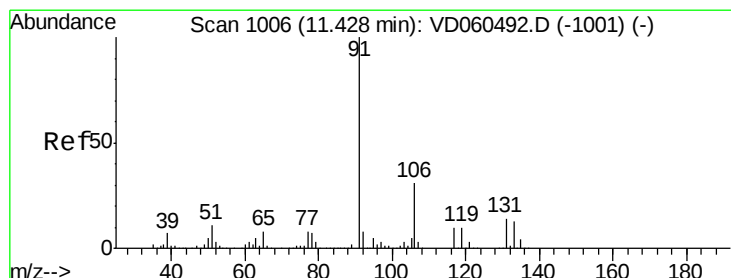
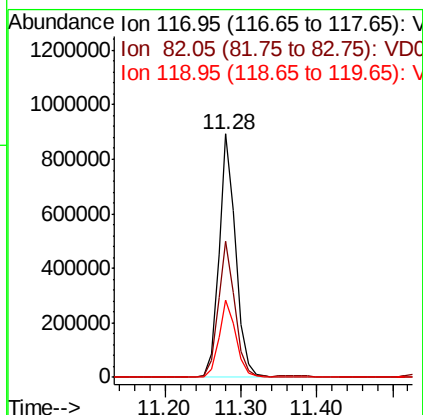
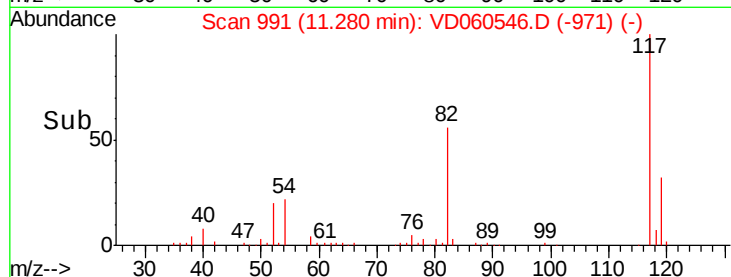
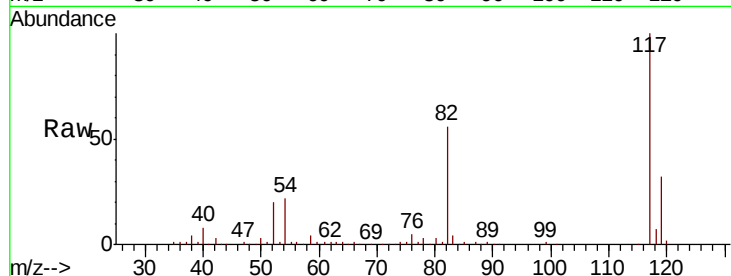




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

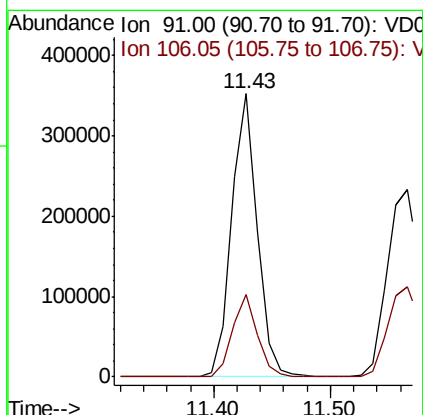
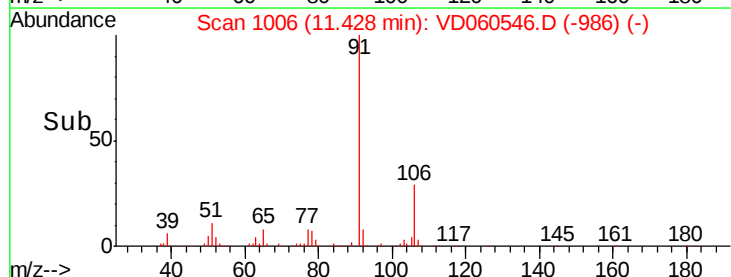
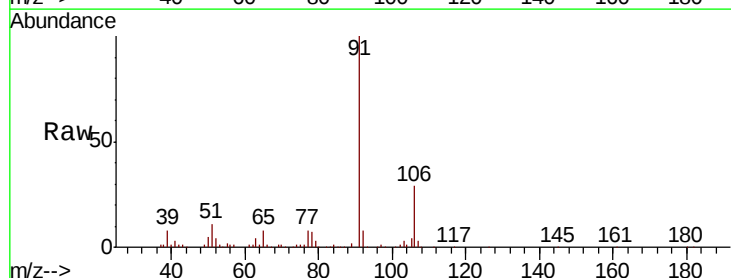
Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-C

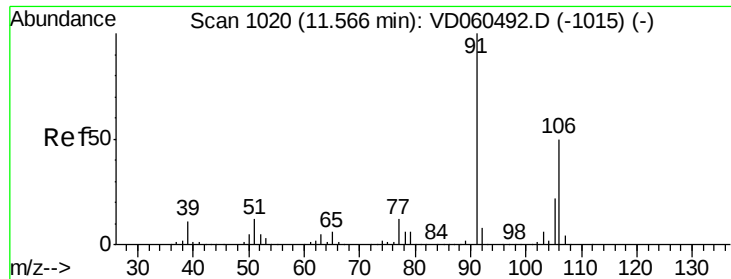
Tot Ion:117 Resp: 1375355
Ion Ratio Lower Upper
117 100
82 55.8 45.2 67.8
119 31.7 26.1 39.1



#67
Ethyl Benzene
Concen: 10.783 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Tgt Ion: 91 Resp: 535157
Ion Ratio Lower Upper
91 100
106 29.1 24.6 37.0

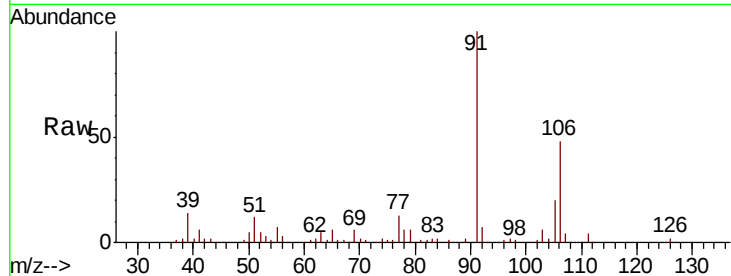




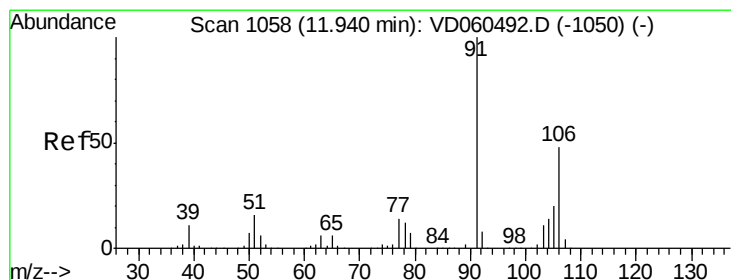
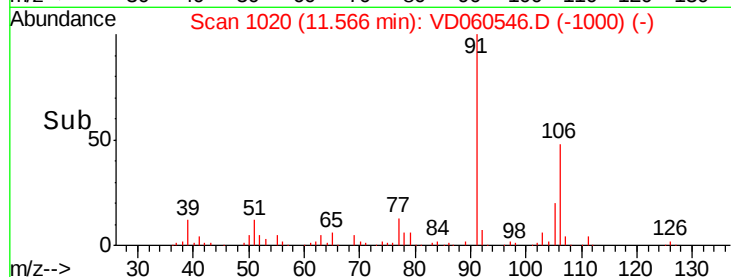
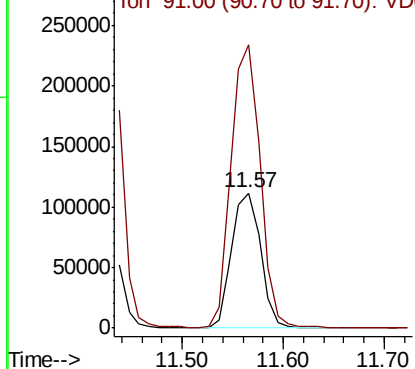
#68
m/p-Xylenes
Concen: 12.215 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

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

Tot Ion:106 Resp: 224273
Ion Ratio Lower Upper
106 100
91 209.7 160.5 240.7

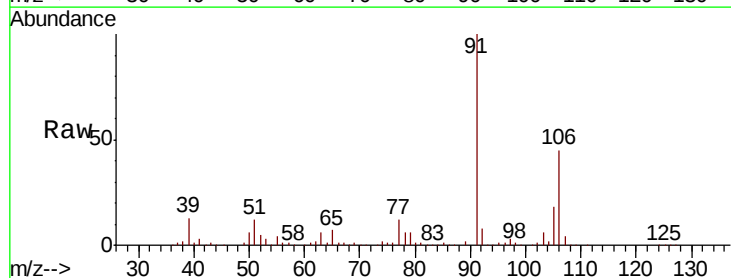


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

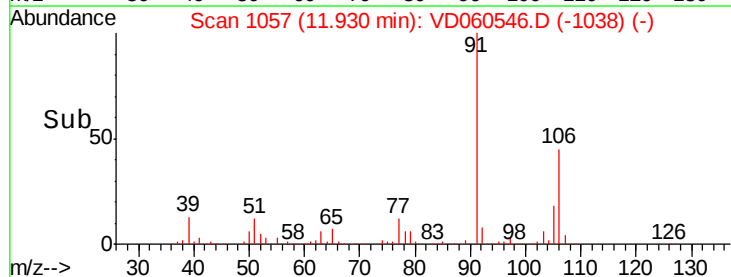
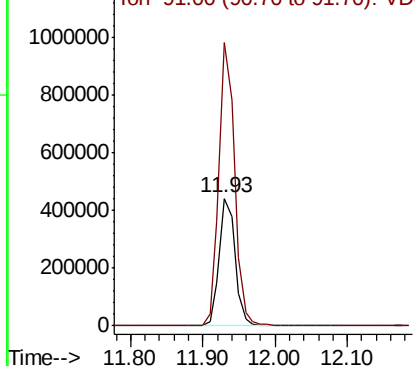


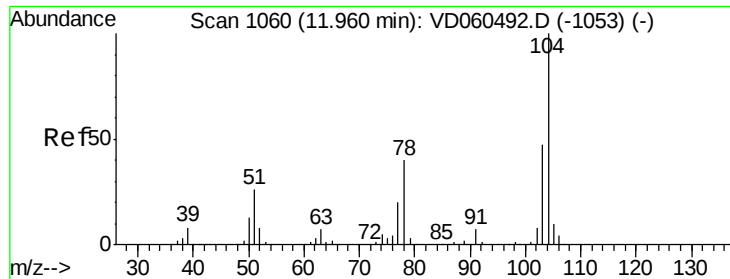
#69
o-Xylene
Concen: 38.600 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Tgt Ion:106 Resp: 675420
Ion Ratio Lower Upper
106 100
91 221.4 103.4 310.1



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





#70

Stvrene

Concen: 1.155 ug/l

RT: 11.93 min Scan# 1057

Delta R.T. -0.03 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

HR-05-121118-C

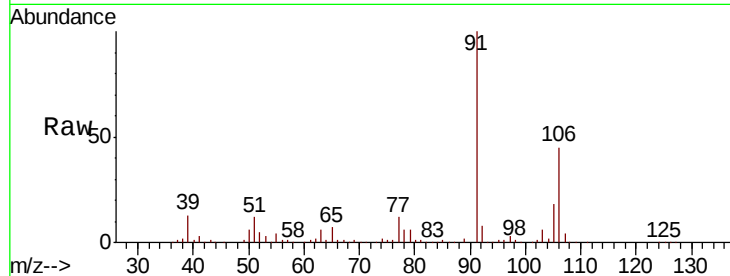
Tot Ion:104 Resp: 32435

Ion Ratio Lower Upper

104 100

78 278.8 32.1 48.1#

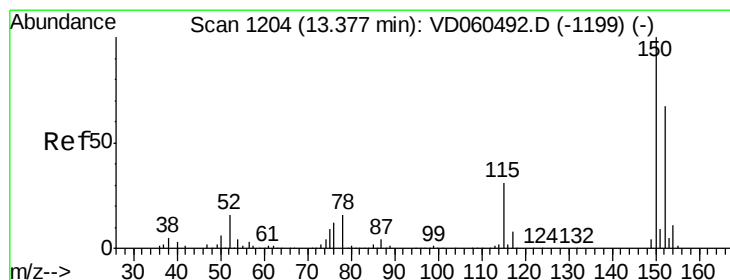
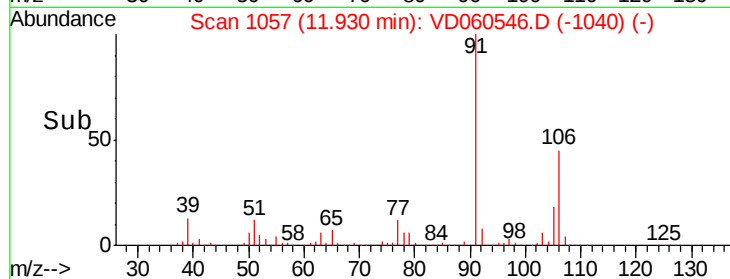
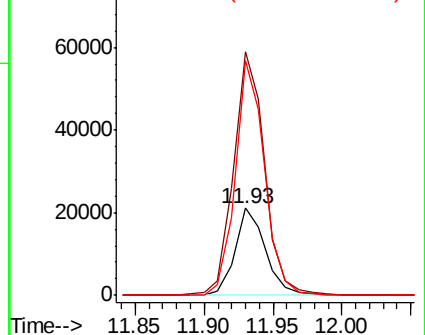
103 269.2 37.2 55.8#



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

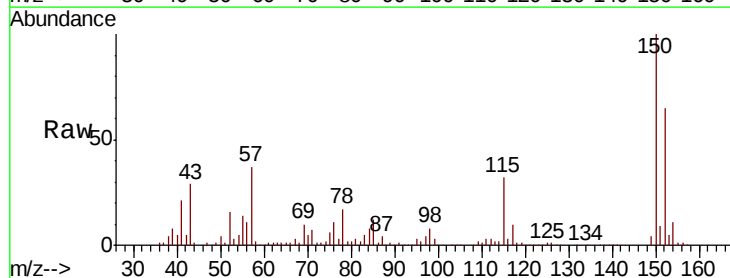
Tgt Ion:152 Resp: 545390

Ion Ratio Lower Upper

152 100

115 49.3 24.6 74.0

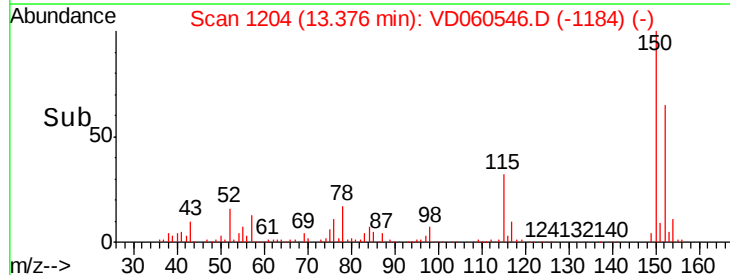
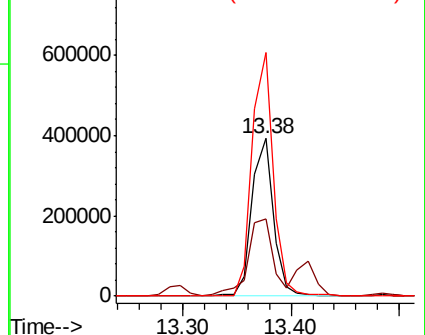
150 154.6 0.0 309.0

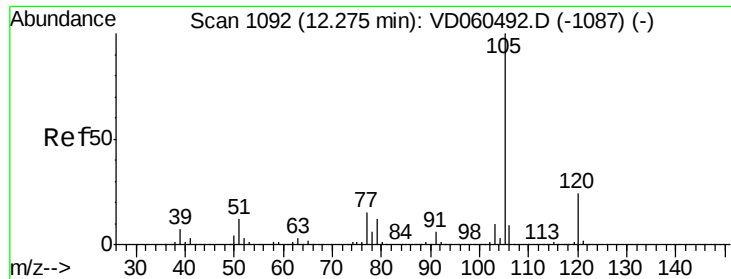


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.542 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

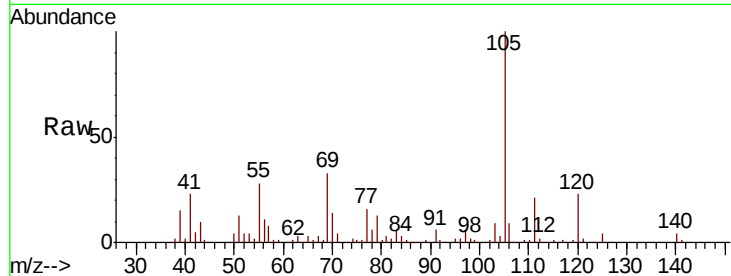
HR-05-121118-C

Tot Ion:105 Resp: 213895

Ion Ratio Lower Upper

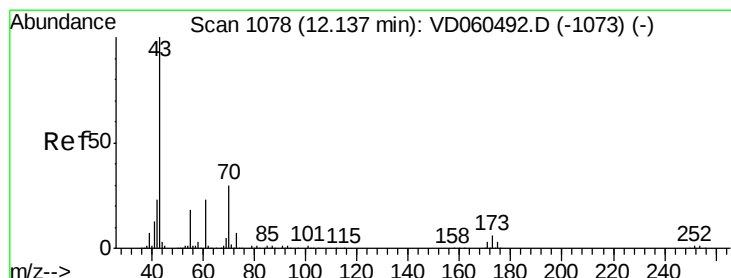
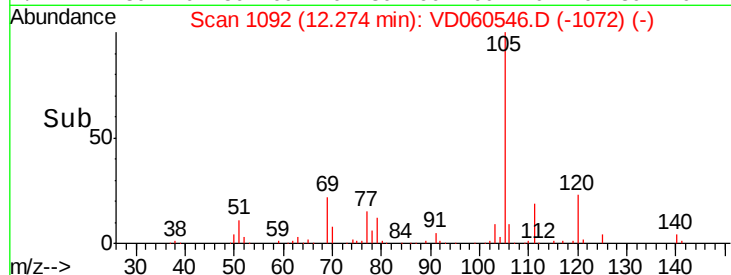
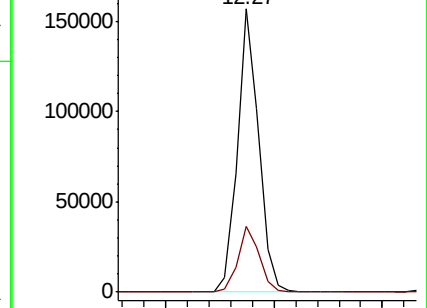
105 100

120 23.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.510 ug/l

RT: 12.09 min Scan# 1073

Delta R.T. -0.05 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Tgt Ion: 43 Resp: 200633

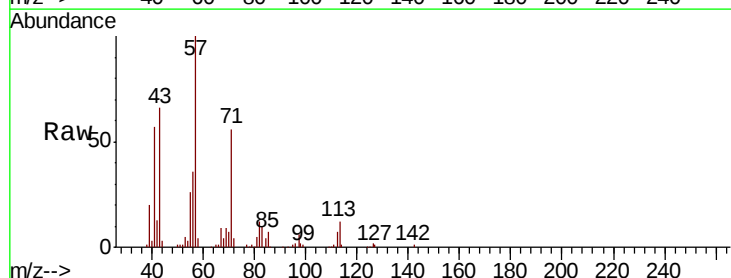
Ion Ratio Lower Upper

43 100

70 10.2 23.8 35.8#

55 38.9 14.2 21.2#

61 0.0 18.1 27.1#

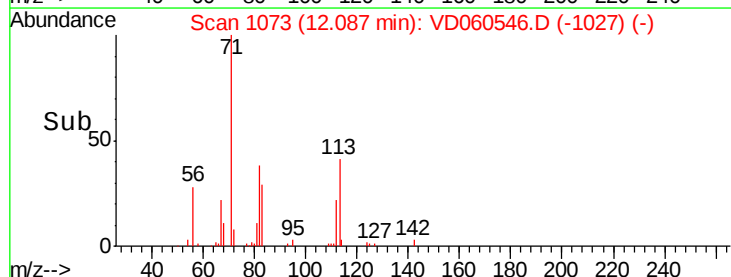
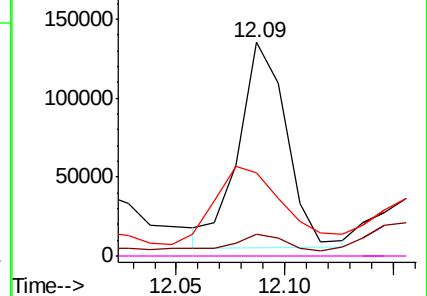


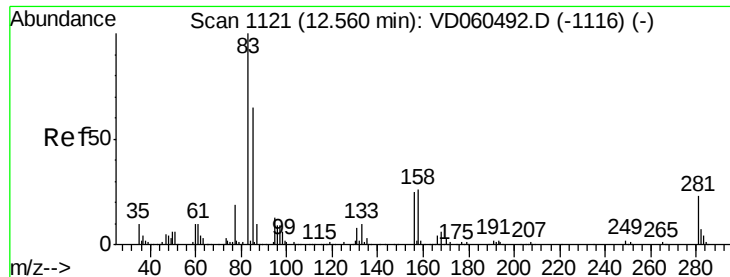
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 7.888 ug/l

RT: 12.58 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

HR-05-121118-C

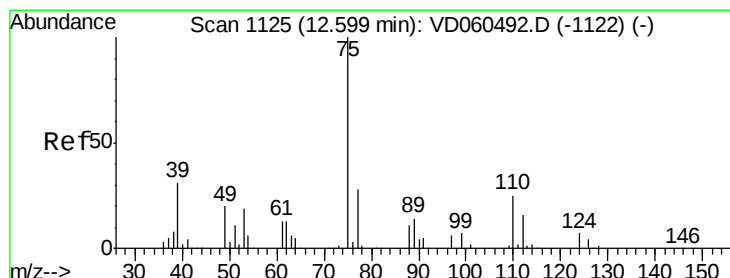
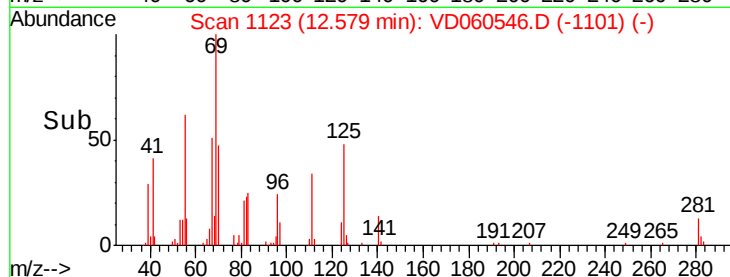
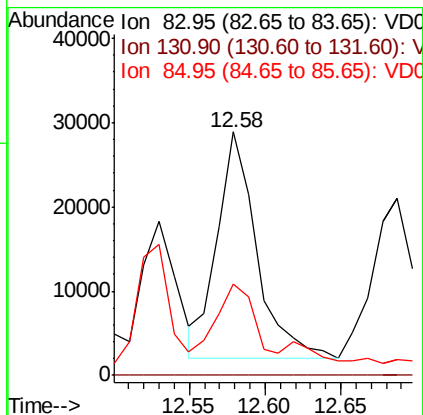
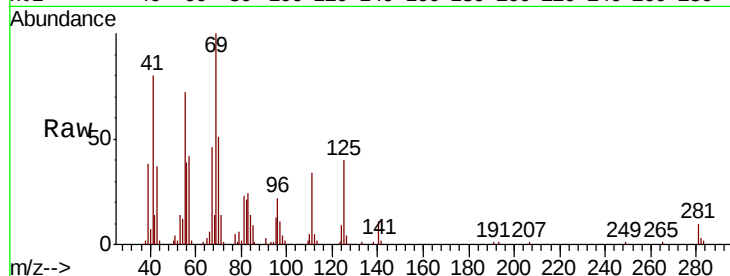
Tot Ion: 83 Resp: 48735

Ion Ratio Lower Upper

83 100

131 0.0 3.8 11.4#

85 37.7 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 1.029 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.04 min

Lab File: VD060546.D

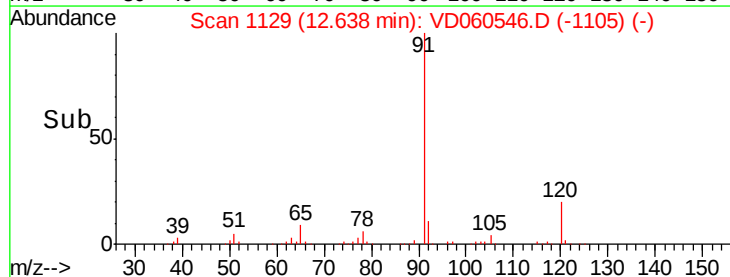
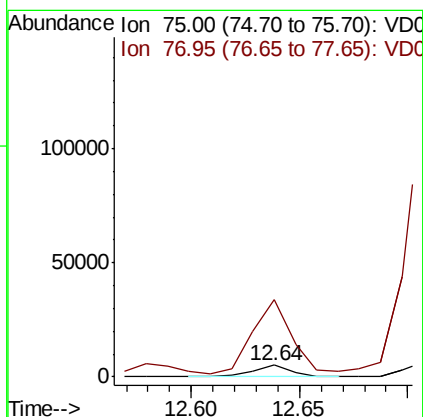
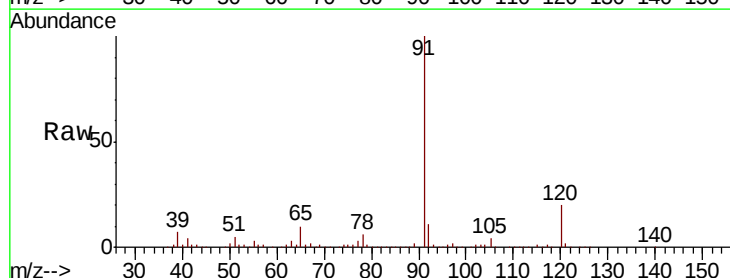
Acq: 12 Dec 2018 14:49

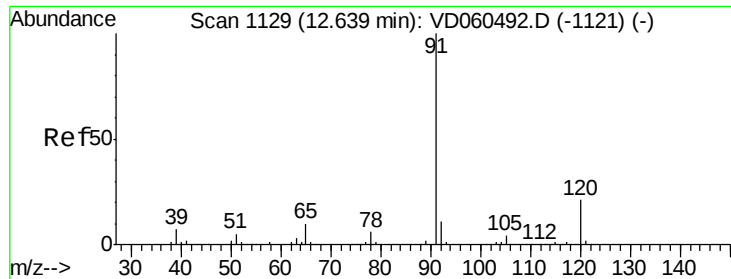
Tgt Ion: 75 Resp: 6360

Ion Ratio Lower Upper

75 100

77 654.8 16.4 49.4#

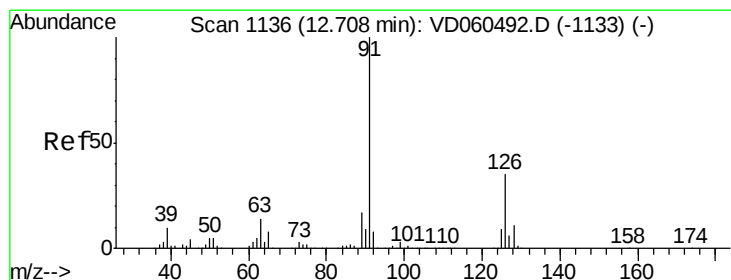
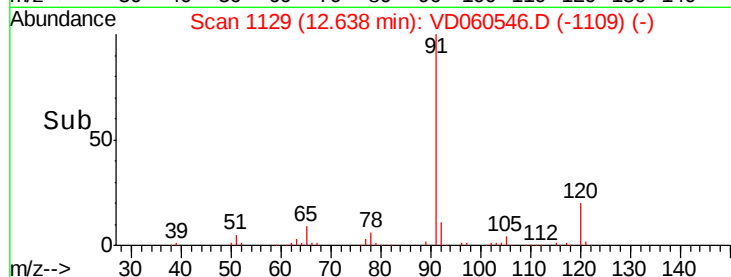
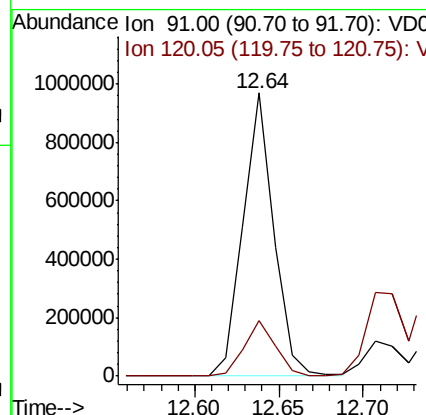
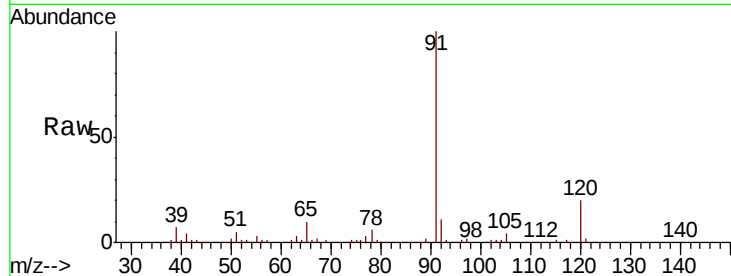




#78
n-propylbenzene
Concen: 25.046 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

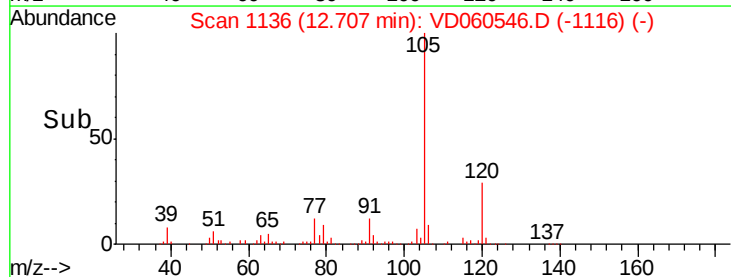
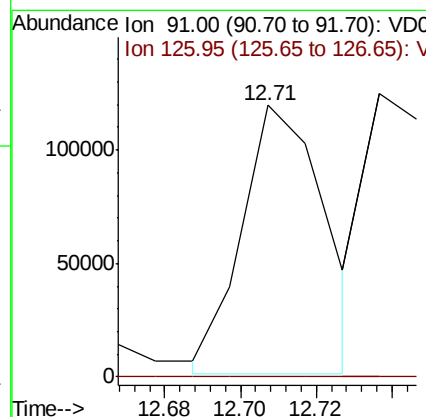
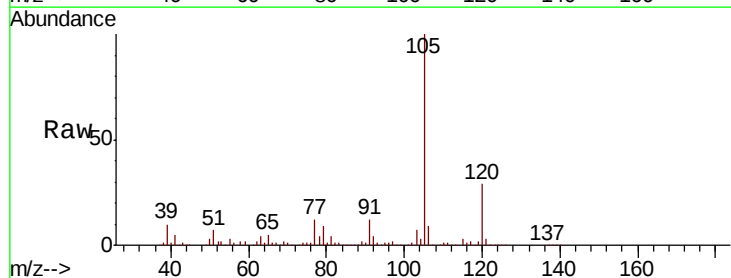
Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-C

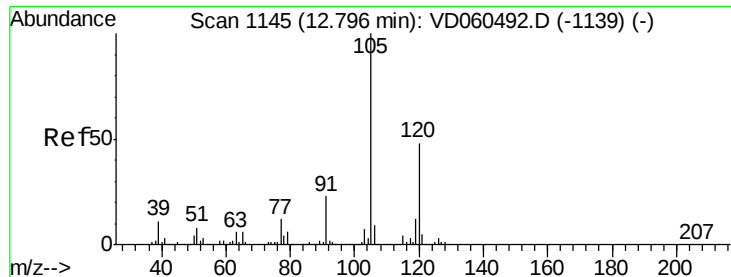
Tot Ion: 91 Resp: 1221885
Ion Ratio Lower Upper
91 100
120 19.8 10.4 31.1



#79
2-Chlorotoluene
Concen: 6.798 ug/l
RT: 12.71 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Tgt Ion: 91 Resp: 179960
Ion Ratio Lower Upper
91 100
126 0.3 17.3 52.0#

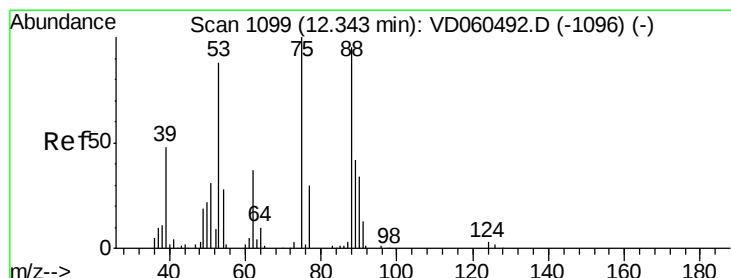
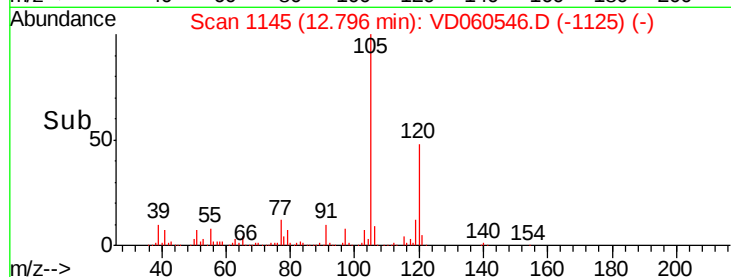
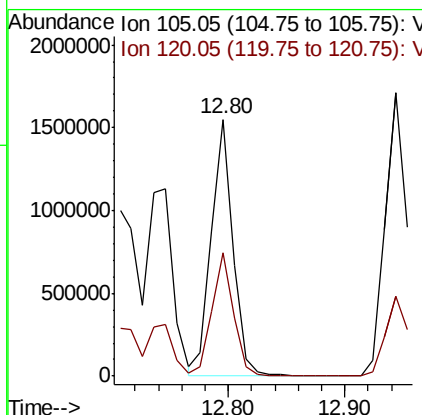
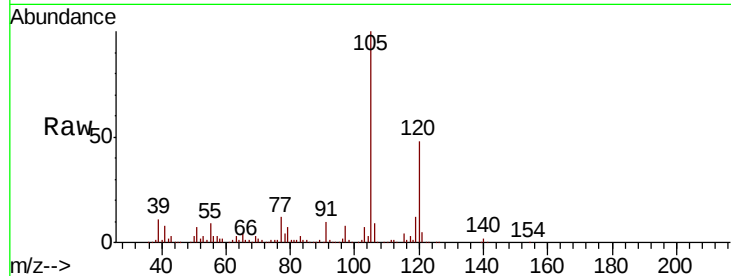




#80
 1,3,5-Trimethylbenzene
 Concen: 67.257 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

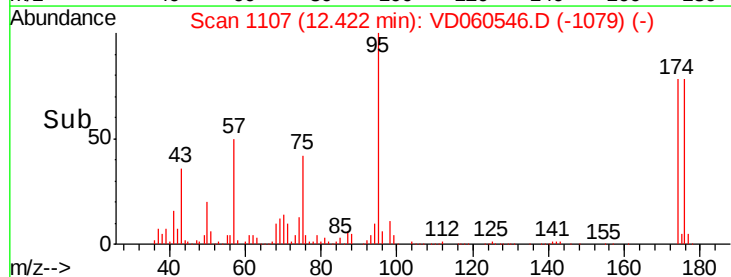
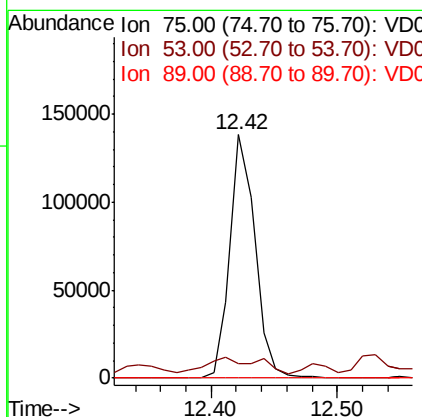
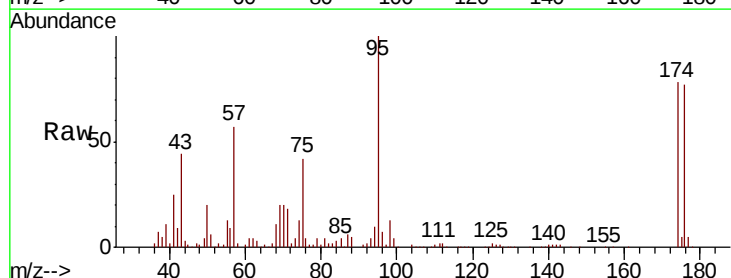
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-121118-C

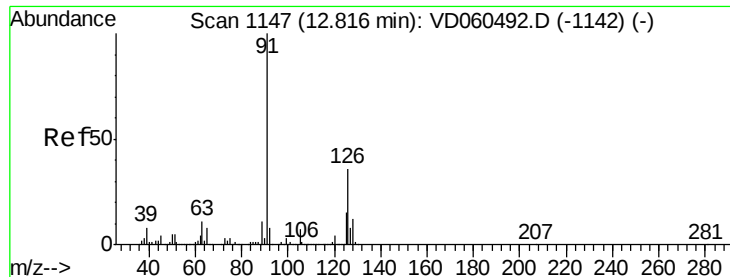
Tot Ion:105 Resp: 1983439
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.725 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.08 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

Tgt Ion: 75 Resp: 190836
 Ion Ratio Lower Upper
 75 100
 53 5.7 70.5 105.7#
 89 0.0 33.6 50.4#





#82

4-Chlorotoluene

Concen: 6.783 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. -0.02 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

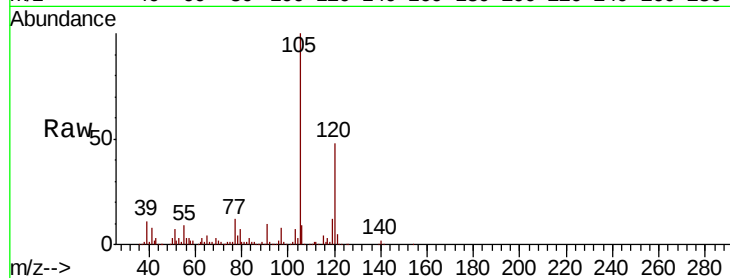
HR-05-121118-C

Tot Ion: 91 Resp: 201678

Ion Ratio Lower Upper

91 100

126 0.3 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VD060492.D (-1142) (-)

Ion 125.95 (125.65 to 126.65): VD060492.D (-1142) (-)

12.80

150000

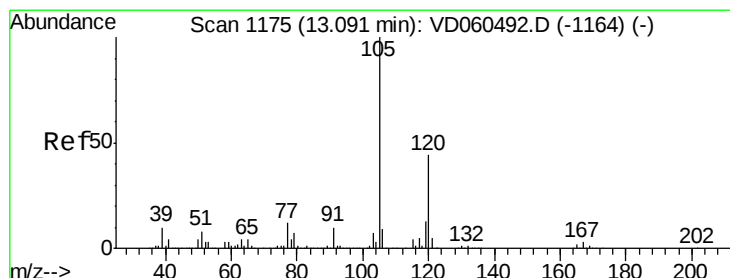
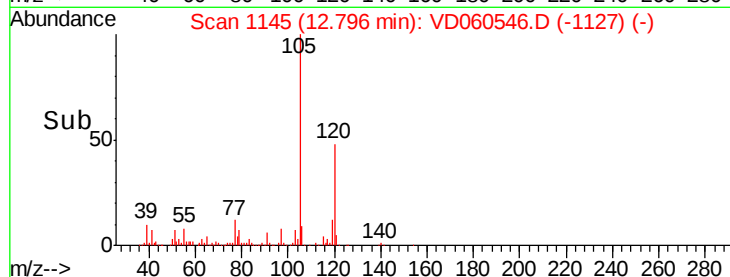
100000

50000

0

12.75 12.80 12.85 12.90

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 51.643 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060546.D

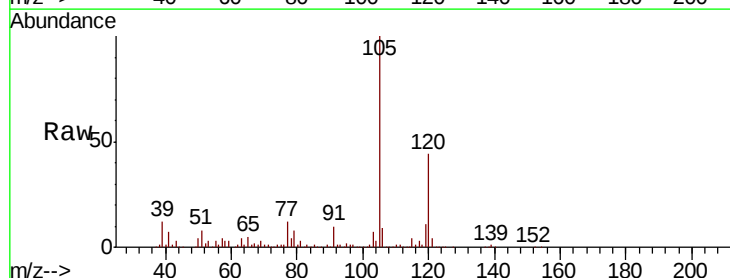
Acq: 12 Dec 2018 14:49

Tgt Ion: 105 Resp: 1576935

Ion Ratio Lower Upper

105 100

120 44.3 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): VD060492.D (-1164) (-)

Ion 120.05 (119.75 to 120.75): VD060492.D (-1164) (-)

13.09

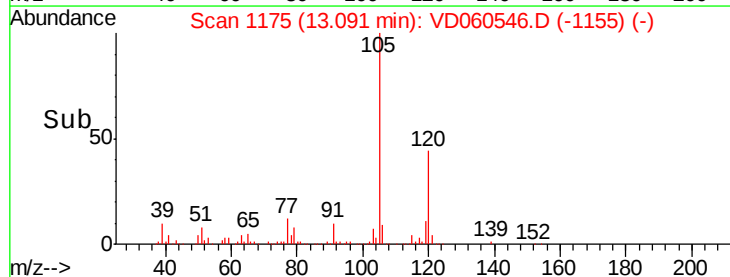
1000000

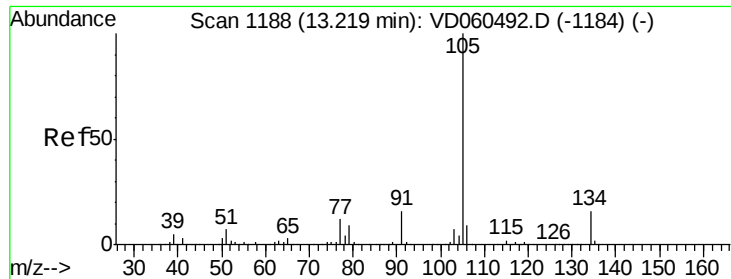
500000

0

13.00 13.10 13.20

Time-->

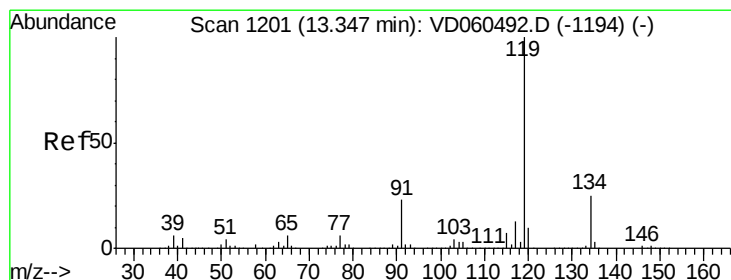
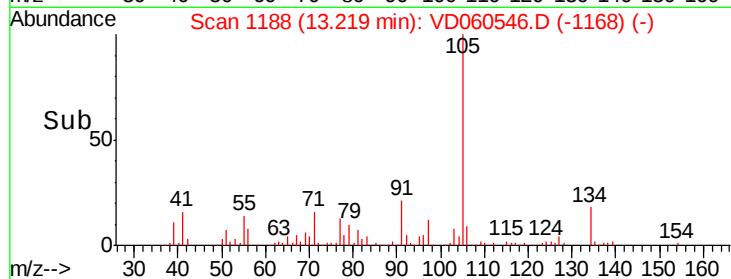
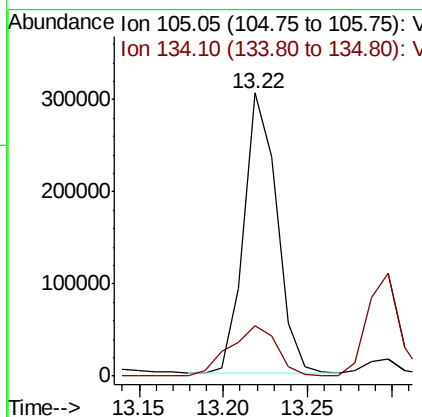
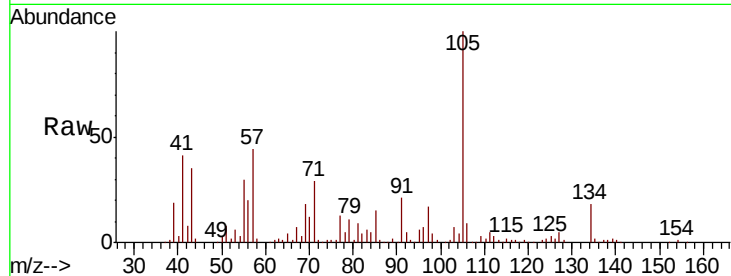




#85
 sec-Butylbenzene
 Concen: 10.014 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

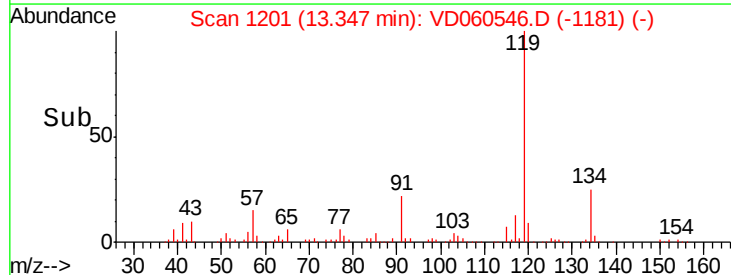
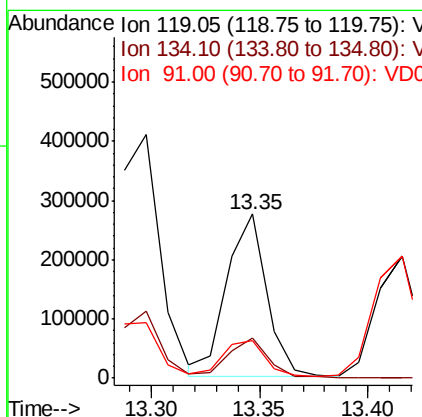
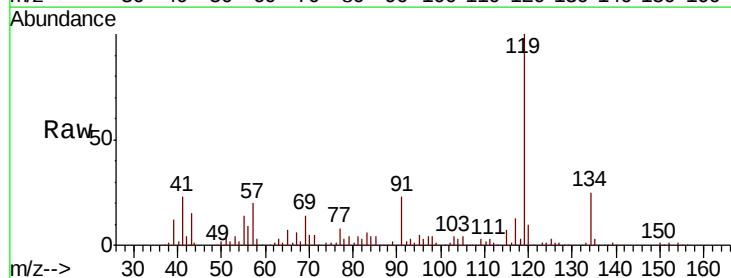
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-121118-C

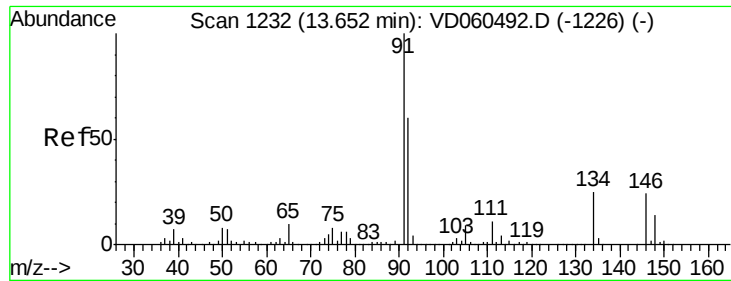
Tot Ion:105 Resp: 412699
 Ion Ratio Lower Upper
 105 100
 134 18.0 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 10.815 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

Tgt Ion:119 Resp: 353322
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.5 37.5
 91 22.6 11.5 34.4

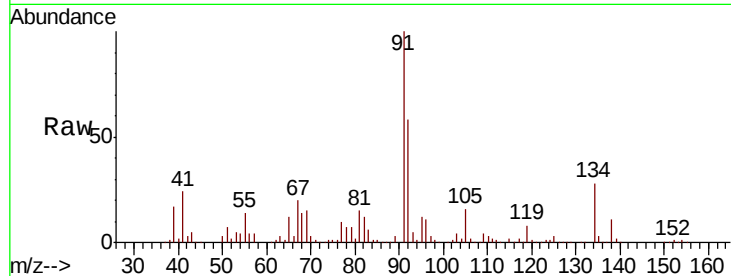




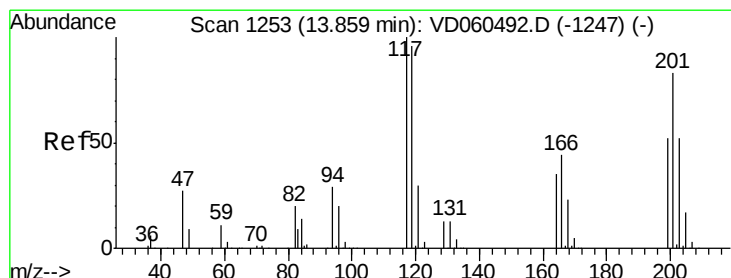
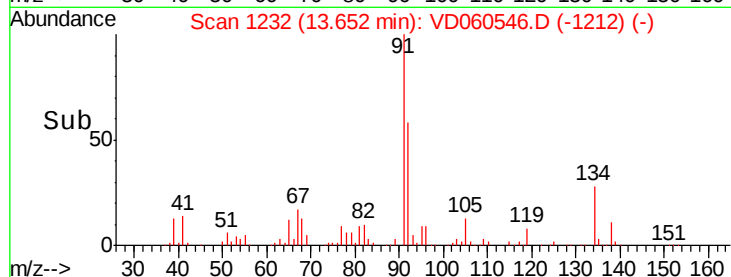
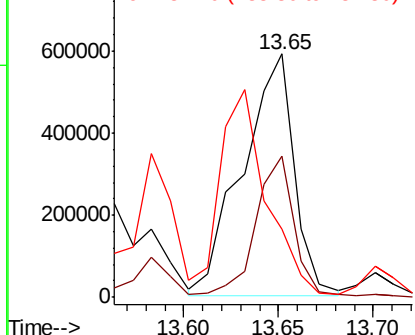
#89
n-Butylbenzene
Concen: 32.304 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

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

Tot Ion: 91 Resp: 1120624
Ion Ratio Lower Upper
91 100
92 58.1 30.0 90.1
134 28.0 12.5 37.5

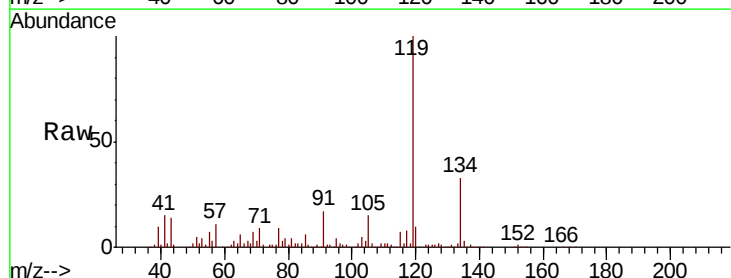


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

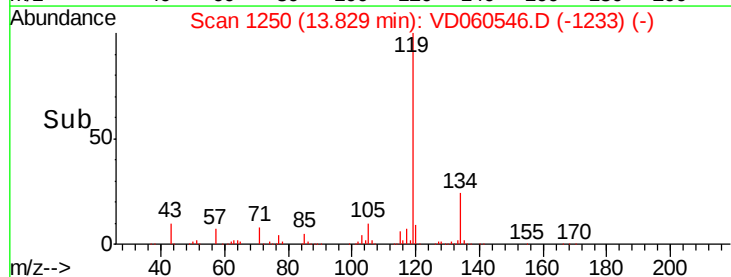
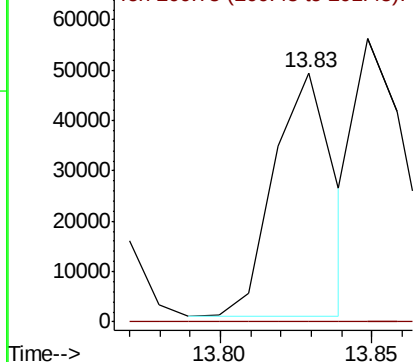


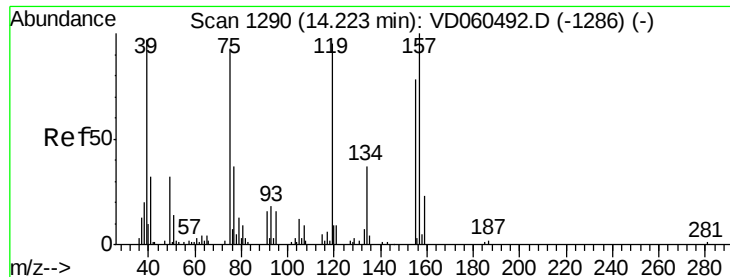
#90
Hexachloroethane
Concen: 8.048 ug/l
RT: 13.83 min Scan# 1250
Delta R.T. -0.03 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Tgt Ion: 117 Resp: 65918
Ion Ratio Lower Upper
117 100
201 0.0 41.3 123.9#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

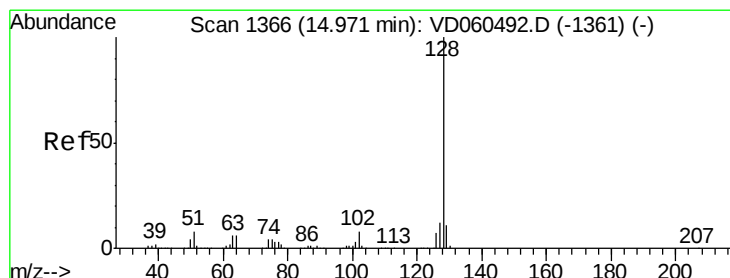
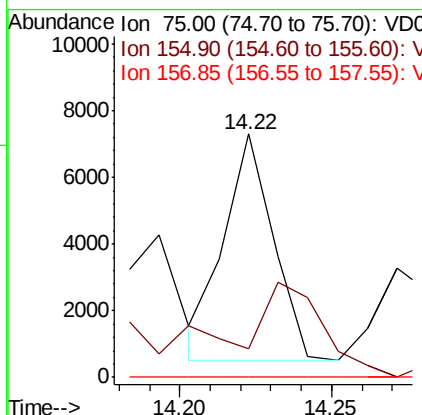
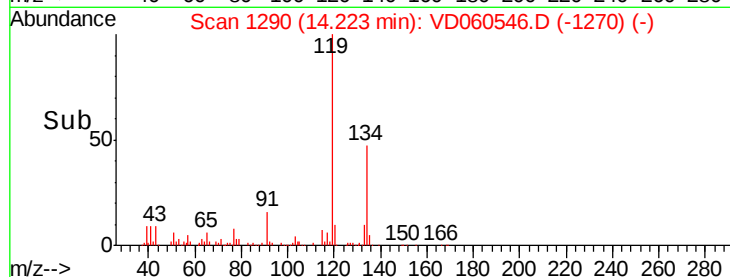
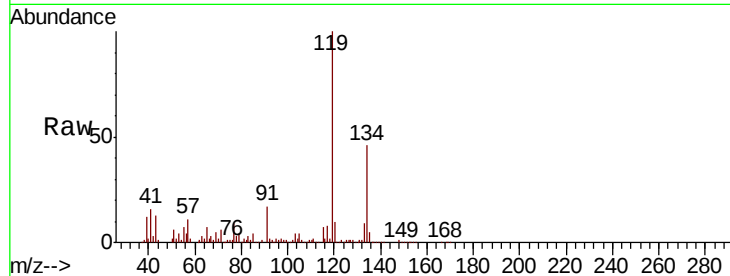




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.265 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

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

Tot Ion: 75 Resp: 7685
 Ion Ratio Lower Upper
 75 100
 155 11.9 41.6 124.9#
 157 0.0 53.6 160.8#



#95
 Naphthalene
 Concen: 24.305 ug/l
 RT: 14.97 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

Tgt Ion: 128 Resp: 339287
 Ion Ratio Lower Upper
 128 100
 127 13.0 9.8 14.8
 129 11.9 8.6 13.0

