

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060344.D
 Acq On : 12 Nov 2018 18:22
 Operator : JC/SY
 Sample : J5907-11
 Misc : 6.44g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-D

Quant Time: Nov 13 00:41:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

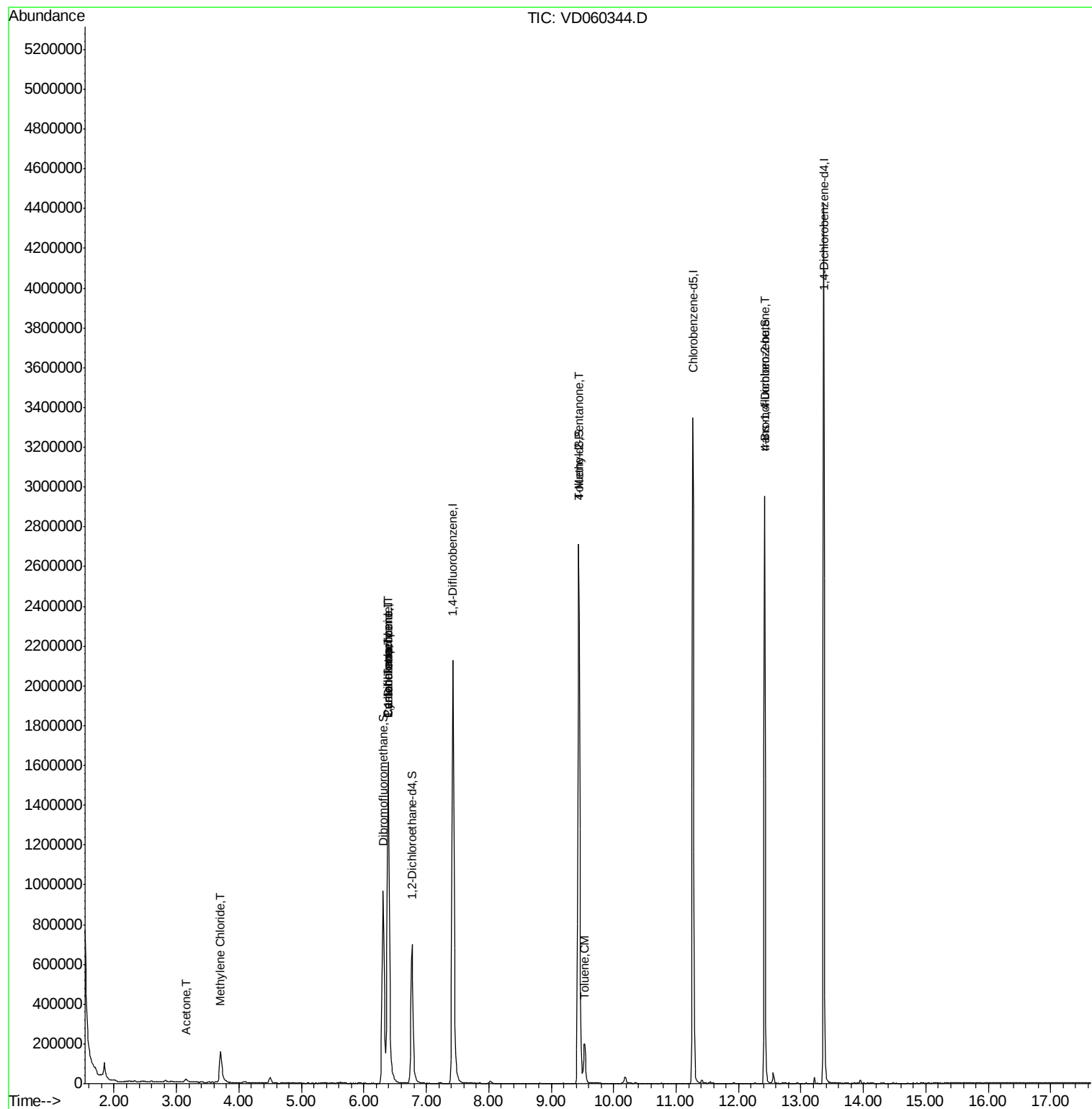
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1598817	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.43	114	2339018	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1879556	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	990653	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	567916	49.61	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.22%	
35) Dibromofluoromethane	6.31	113	771720	44.25	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.50%	
50) Toluene-d8	9.44	98	2193607	42.97	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	85.94%	
62) 4-Bromofluorobenzene	12.42	95	793638	42.91	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	85.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.59	85	484	Below Cal	#	41
16) Acetone	3.15	43	29306	14.758	ug/l	91
20) Methylene Chloride	3.71	84	104183	5.914	ug/l	100
31) Cyclohexane	6.39	56	32781	1.199	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	114579	4.958	ug/l #	47
38) Carbon Tetrachloride	6.39	117	124462	5.806	ug/l #	16
51) 4-Methyl-2-Pentanone	9.44	43	12246	1.409	ug/l #	1
52) Toluene	9.54	92	104627	2.777	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.42	75	331463	98.246	ug/l #	15
89) n-Butylbenzene	13.64	91	256	Below Cal	#	29

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060344.D

Acq: 12 Nov 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

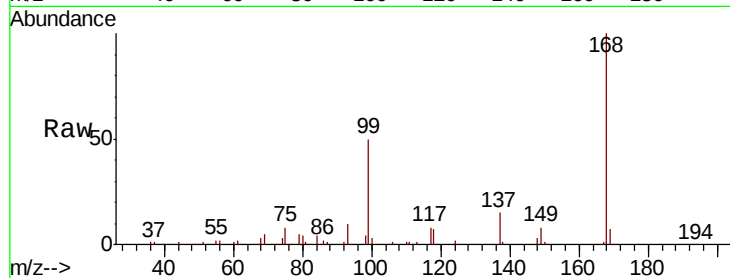
TP-3-D

Tgt Ion:168 Resp: 1598817

Ion Ratio Lower Upper

168 100

99 50.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

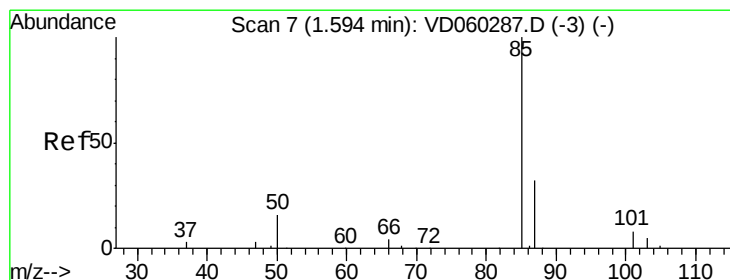
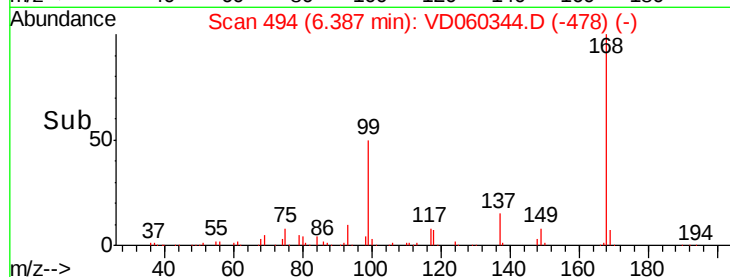
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060344.D

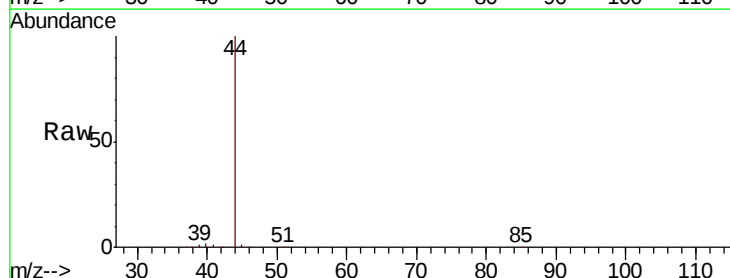
Acq: 12 Nov 2018 18:22

Tgt Ion: 85 Resp: 484

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

500

400

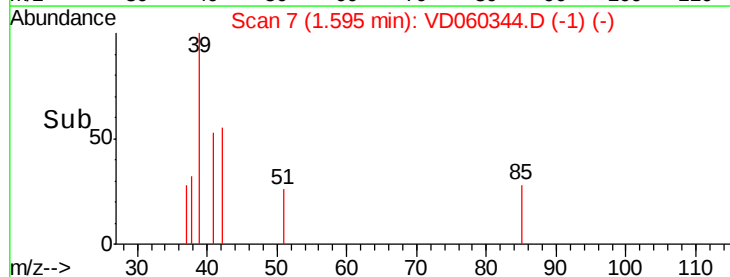
300

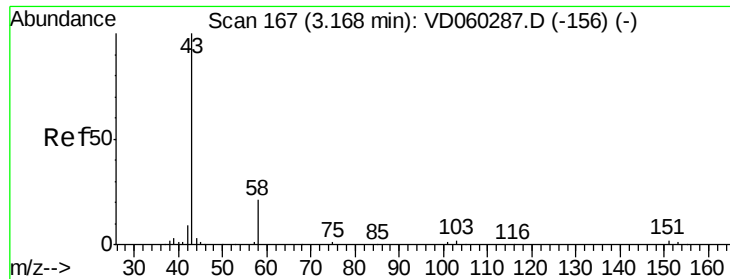
200

100

0

Time-->





#16

Acetone

Concen: 14.758 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060344.D

Acq: 12 Nov 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

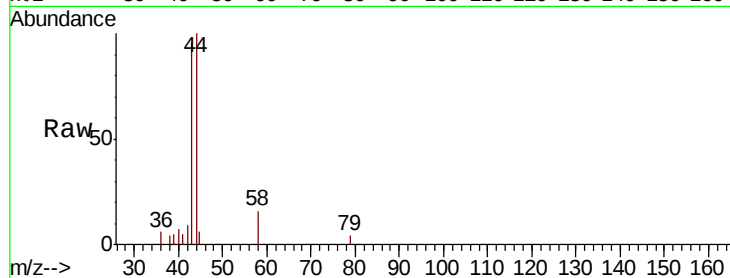
TP-3-D

Tgt Ion: 43 Resp: 29306

Ion Ratio Lower Upper

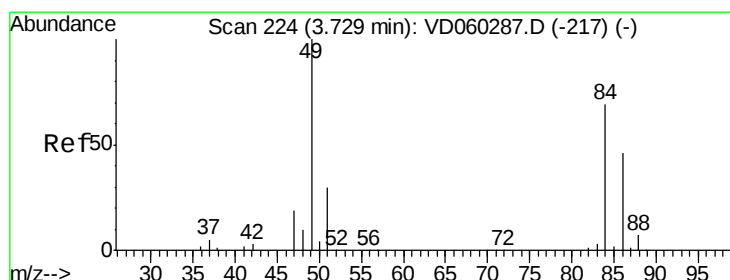
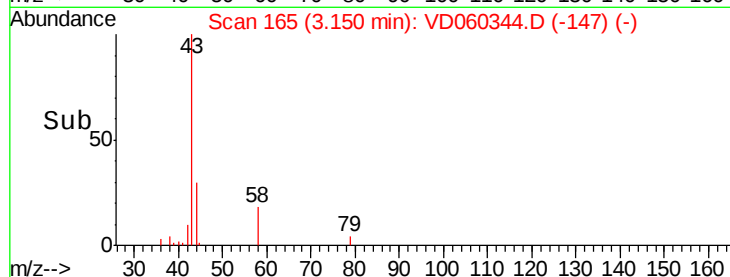
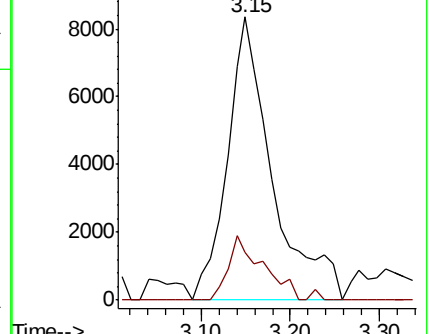
43 100

58 16.9 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 5.914 ug/l

RT: 3.71 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD060344.D

Acq: 12 Nov 2018 18:22

Tgt Ion: 84 Resp: 104183

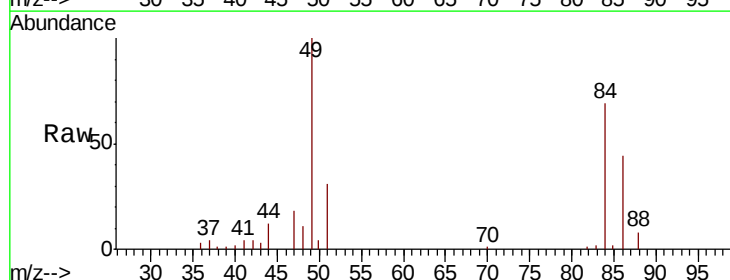
Ion Ratio Lower Upper

84 100

49 144.6 115.6 173.4

51 44.8 35.6 53.4

86 64.3 52.3 78.5

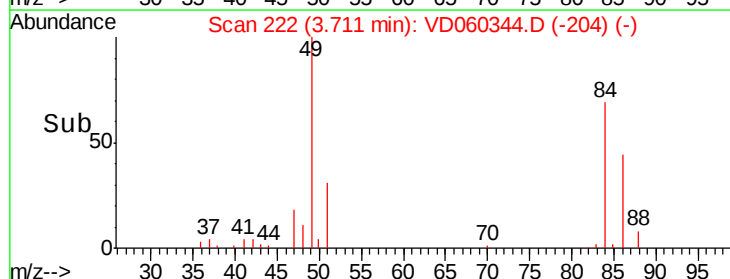
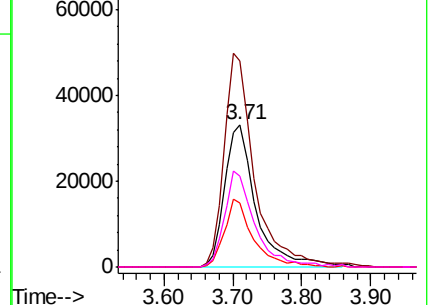


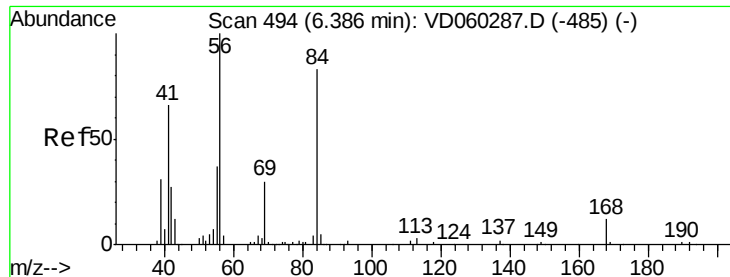
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

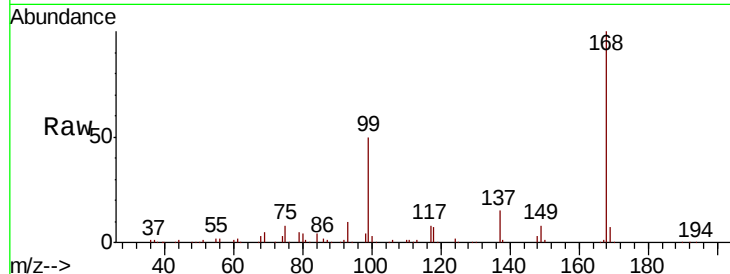




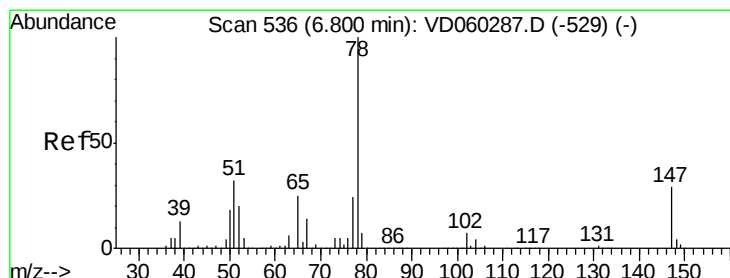
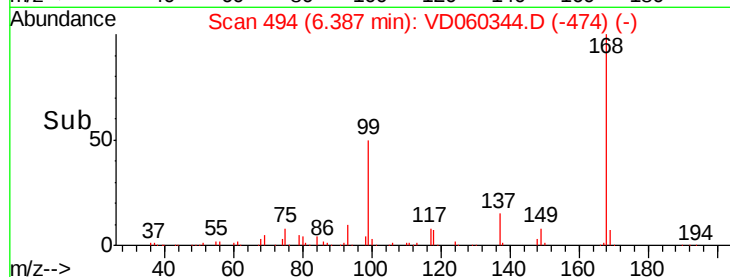
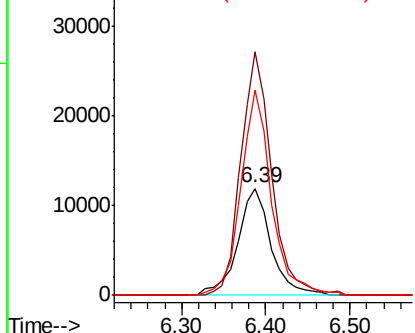
#31
Cyclohexane
Concen: 1.199 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.00 min
Lab File: VD060344.D
Acq: 12 Nov 2018 18:22

Instrument :
MSVOA_D
ClientSampleId :
TP-3-D

Tgt Ion	Resp	Lower	Upper
56	100		
69	227.0	22.2	33.2#
84	190.8	63.0	94.4#

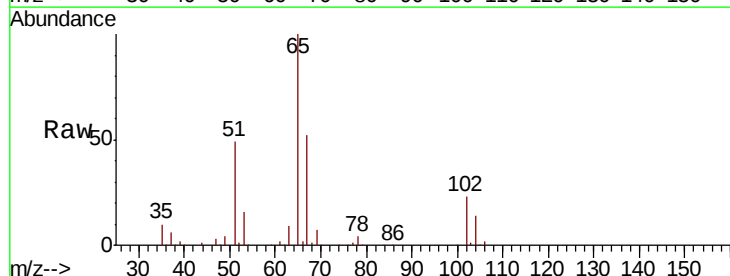


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

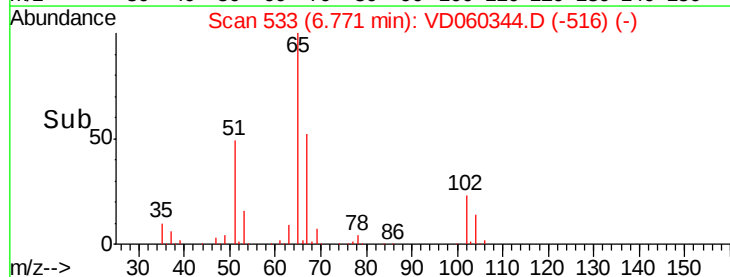
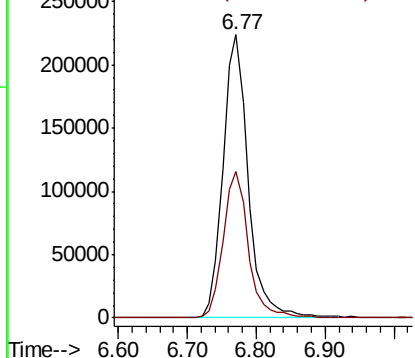


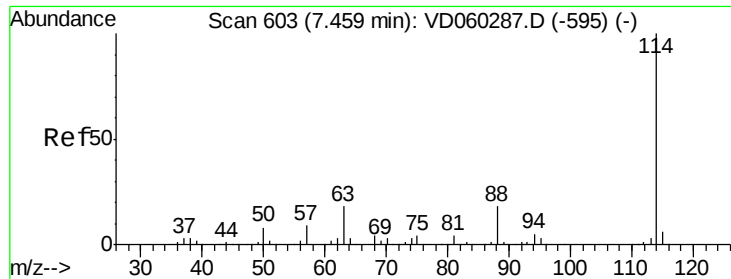
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060344.D
Acq: 12 Nov 2018 18:22

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.8	0.0	109.8



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

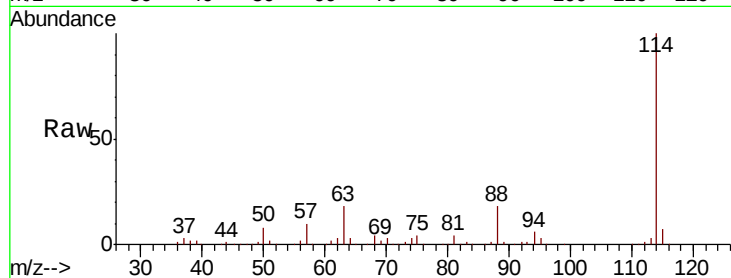




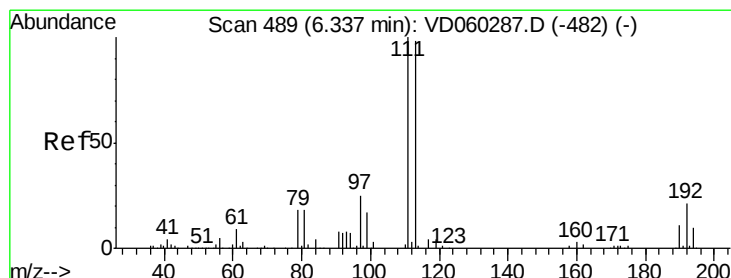
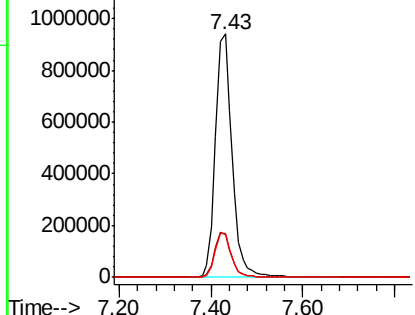
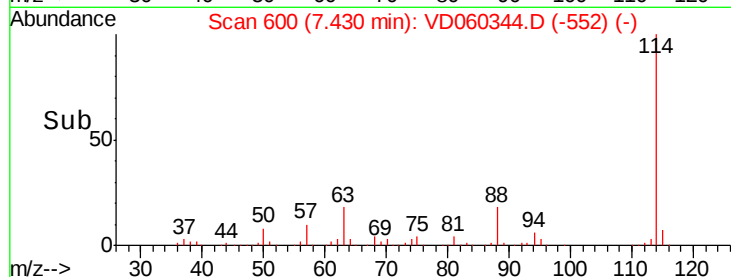
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060344.D
 Acq: 12 Nov 2018 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-D

Tgt Ion:114 Resp: 2339018
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.0
 88 18.0 0.0 35.4

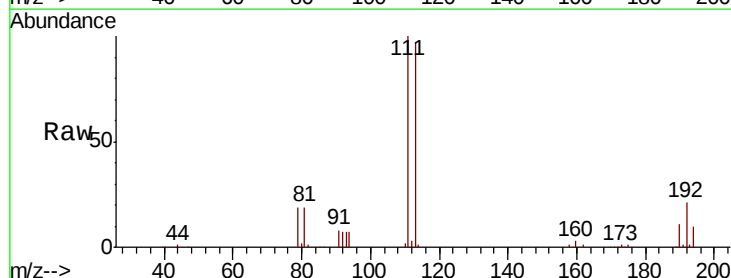


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

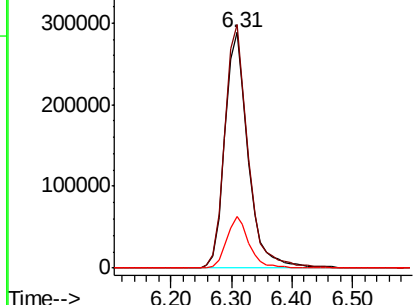
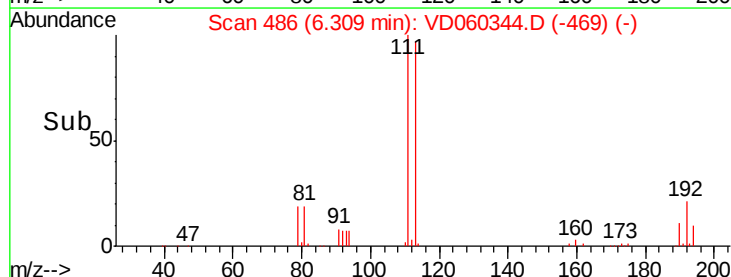


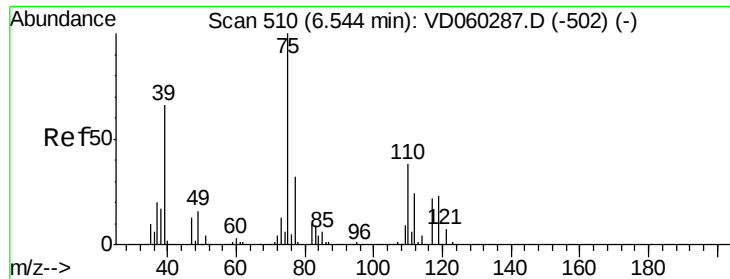
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060344.D
 Acq: 12 Nov 2018 18:22

Tgt Ion:113 Resp: 771720
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.6 122.4
 192 21.7 16.5 24.7



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





#36

1,1-Dichloropropene

Concen: 4.958 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.16 min

Lab File: VD060344.D

Acq: 12 Nov 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D

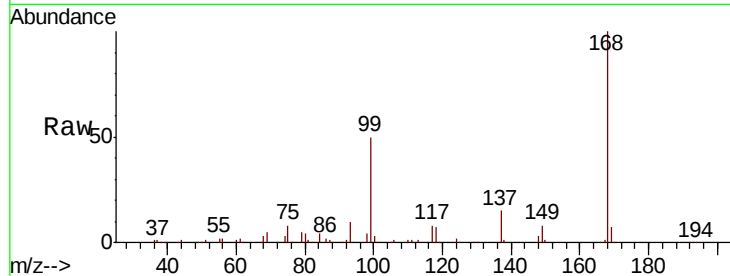
Tgt Ion: 75 Resp: 114579

Ion Ratio Lower Upper

75 100

110 7.2 18.0 54.0#

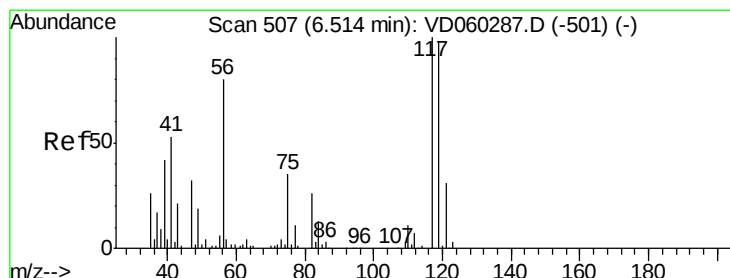
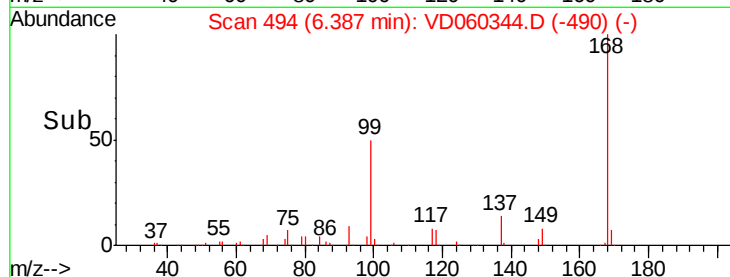
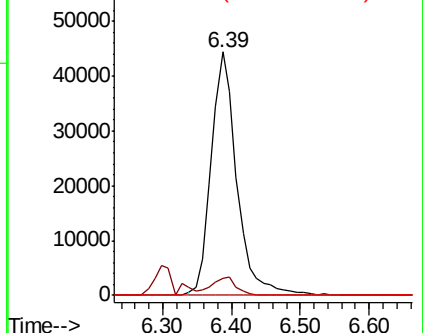
77 0.0 25.6 38.4#



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: 5.806 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.13 min

Lab File: VD060344.D

Acq: 12 Nov 2018 18:22

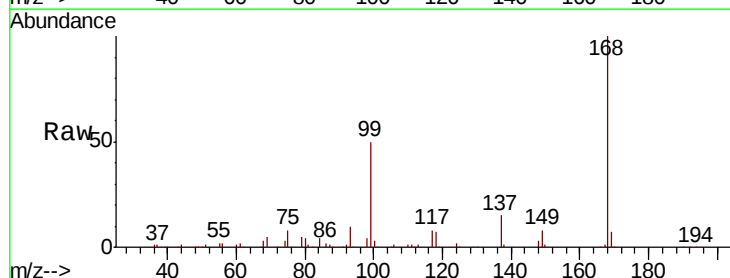
Tgt Ion: 117 Resp: 124462

Ion Ratio Lower Upper

117 100

119 5.0 76.6 115.0#

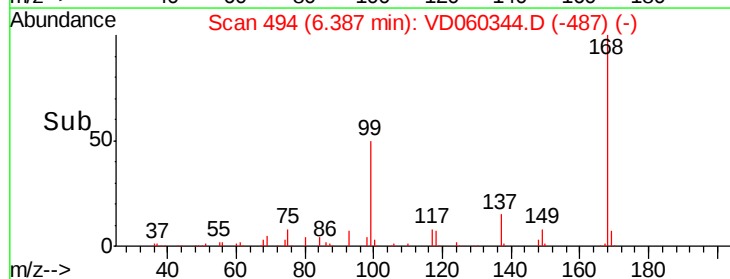
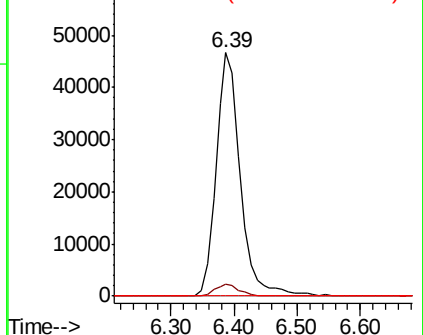
121 0.0 24.3 36.5#

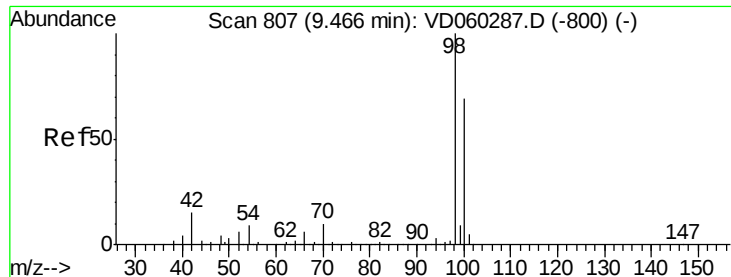


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060344.D

Acq: 12 Nov 2018 18:22

Instrument :

MSVOA_D

ClientSampled :

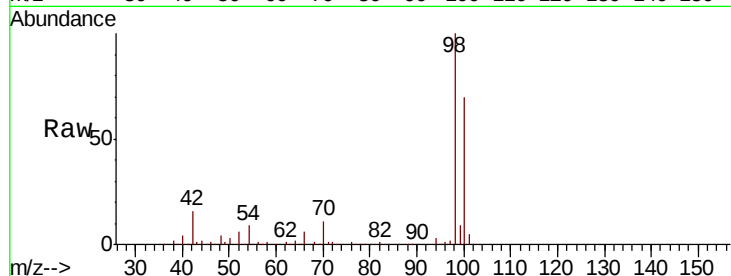
TP-3-D

Tgt Ion: 98 Resp: 2193607

Ion Ratio Lower Upper

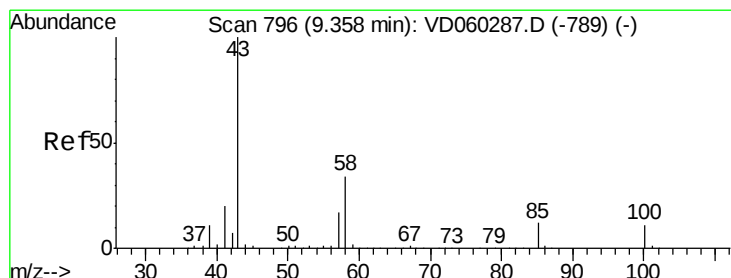
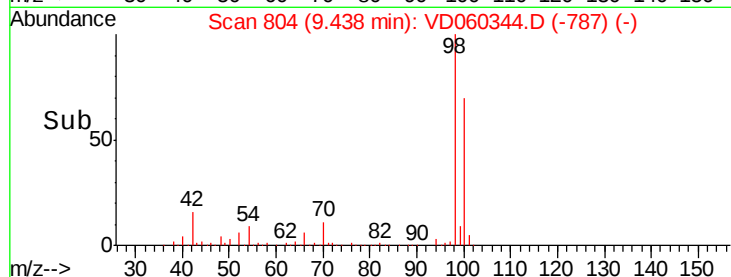
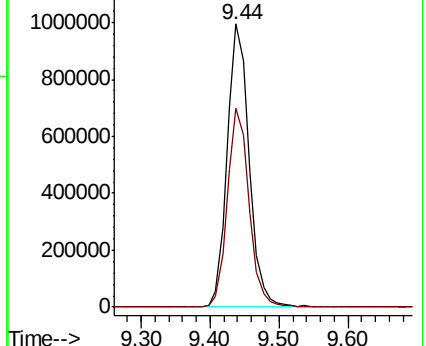
98 100

100 70.3 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.409 ug/l

RT: 9.44 min Scan# 804

Delta R.T. 0.08 min

Lab File: VD060344.D

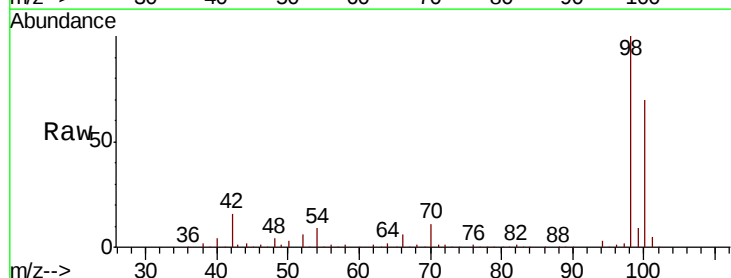
Acq: 12 Nov 2018 18:22

Tgt Ion: 43 Resp: 12246

Ion Ratio Lower Upper

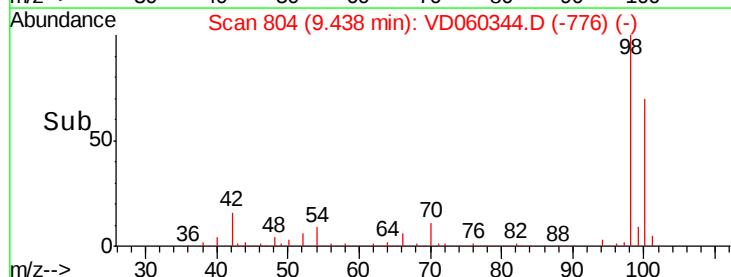
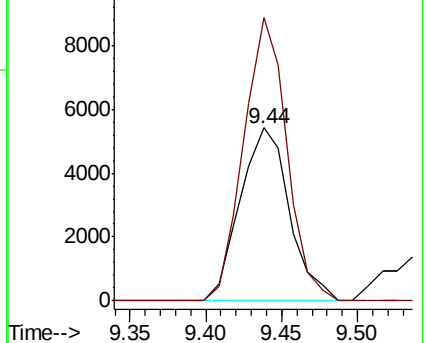
43 100

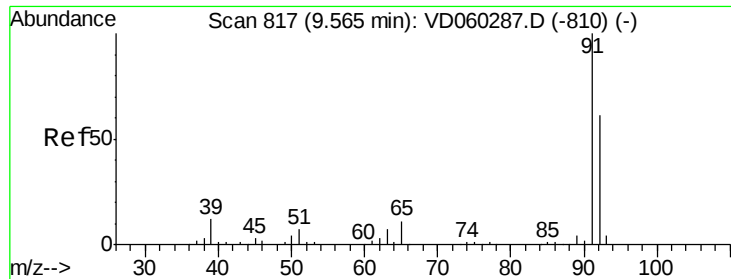
58 163.4 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 2.777 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD060344.D

Acq: 12 Nov 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

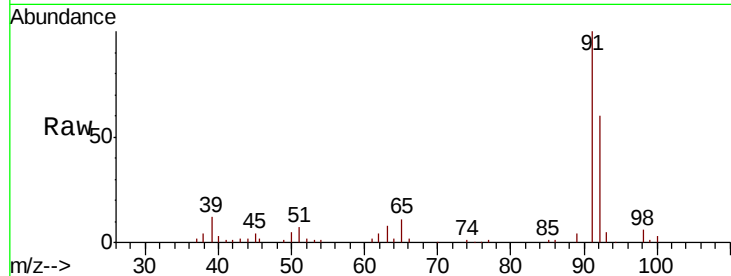
TP-3-D

Tgt Ion: 92 Resp: 104627

Ion Ratio Lower Upper

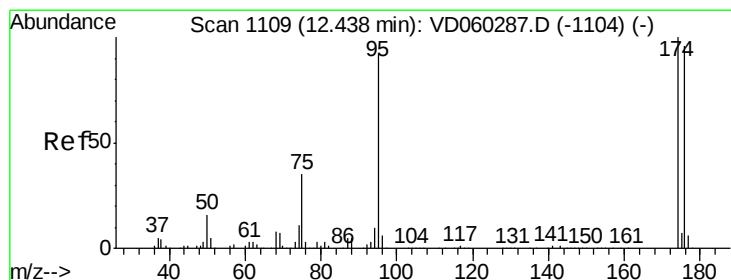
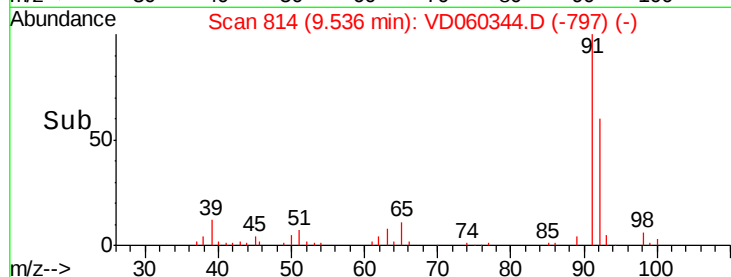
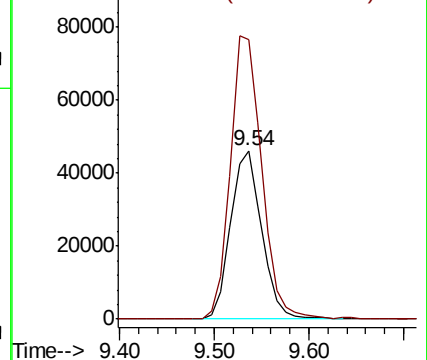
92 100

91 166.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060344.D

Acq: 12 Nov 2018 18:22

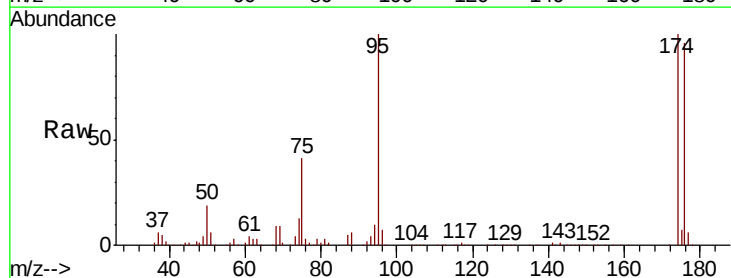
Tgt Ion: 95 Resp: 793638

Ion Ratio Lower Upper

95 100

174 100.4 0.0 160.8

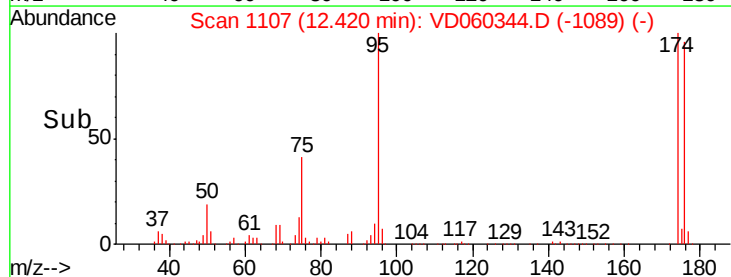
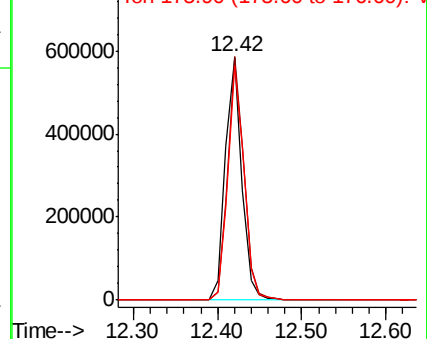
176 96.5 0.0 154.6

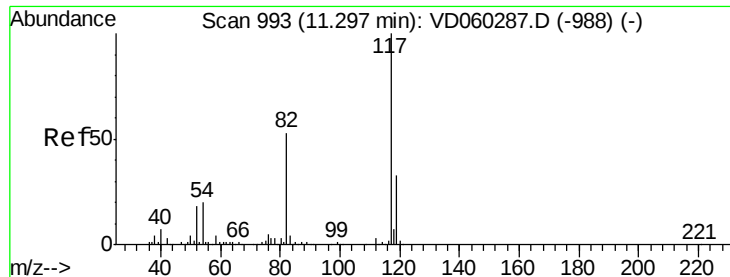


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

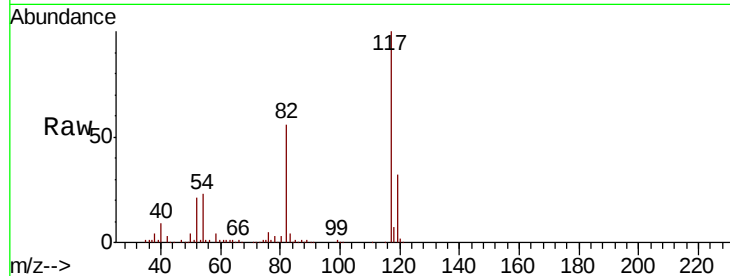




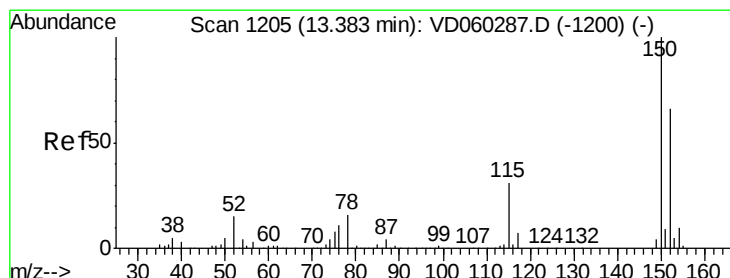
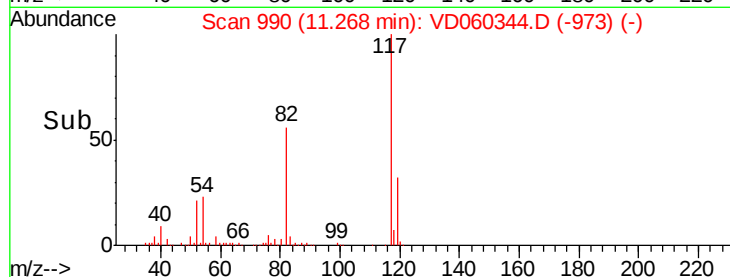
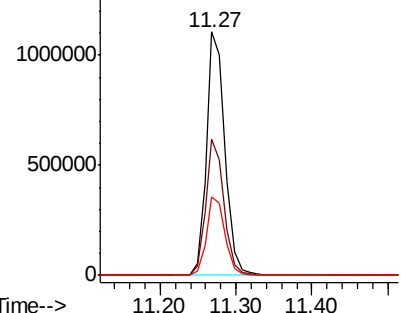
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060344.D
Acq: 12 Nov 2018 18:22

Instrument :
MSVOA_D
ClientSampleID :
TP-3-D

Tgt Ion:117 Resp: 1879556
Ion Ratio Lower Upper
117 100
82 55.8 43.7 65.5
119 32.2 26.1 39.1

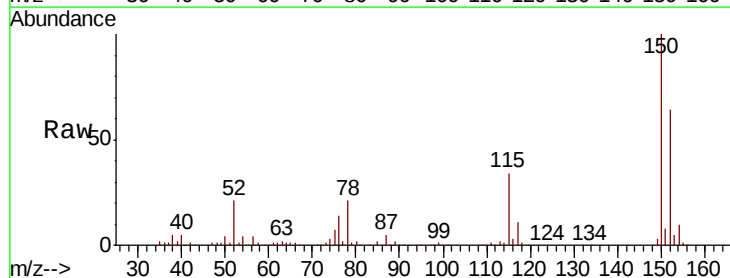


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

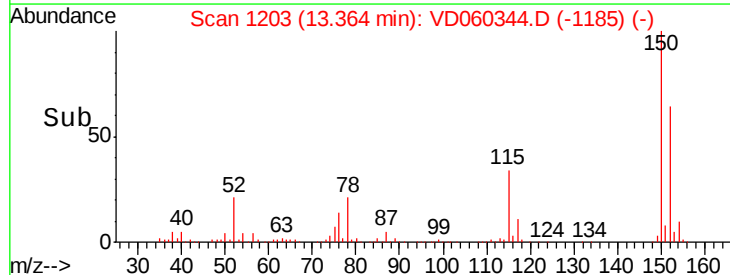
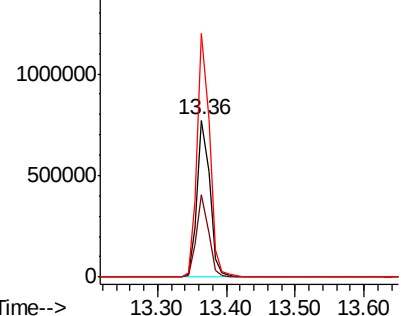


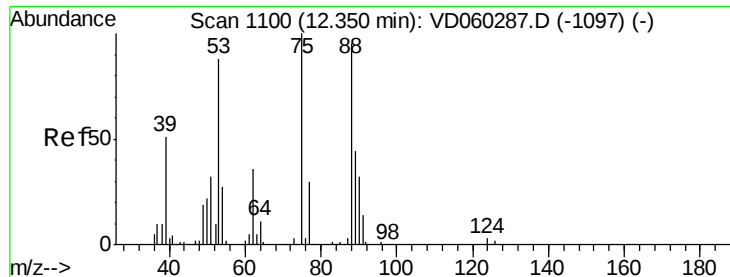
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060344.D
Acq: 12 Nov 2018 18:22

Tgt Ion:152 Resp: 990653
Ion Ratio Lower Upper
152 100
115 52.4 24.1 72.3
150 155.1 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
1500000 Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 98.246 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060344.D

Acq: 12 Nov 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D

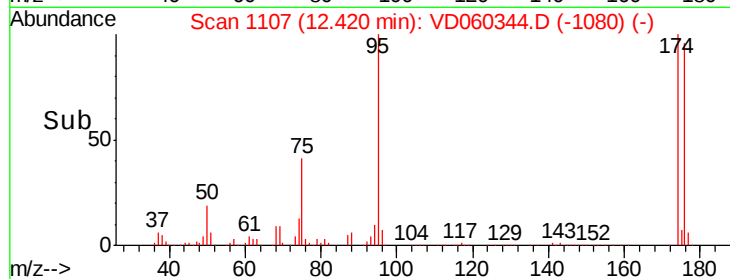
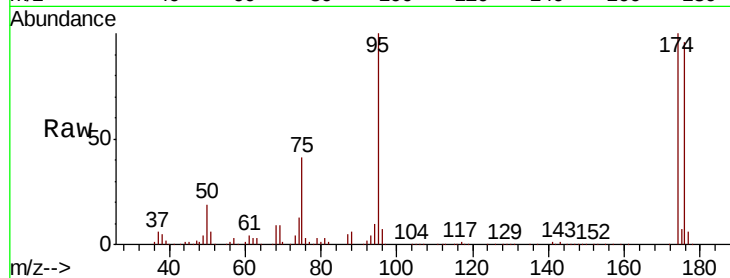
Tgt Ion: 75 Resp: 331463

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

