

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060317.D
 Acq On : 9 Nov 2018 17:34
 Operator : VA/AP
 Sample : J5863-01
 Misc : 5.73g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3263

Quant Time: Nov 12 01:35:53 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	6.41	168	1408064	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.45	114	1966850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1571496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	810980	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	571991	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
35) Dibromofluoromethane	6.33	113	779825	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
50) Toluene-d8	9.46	98	2209780	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.43	95	764200	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

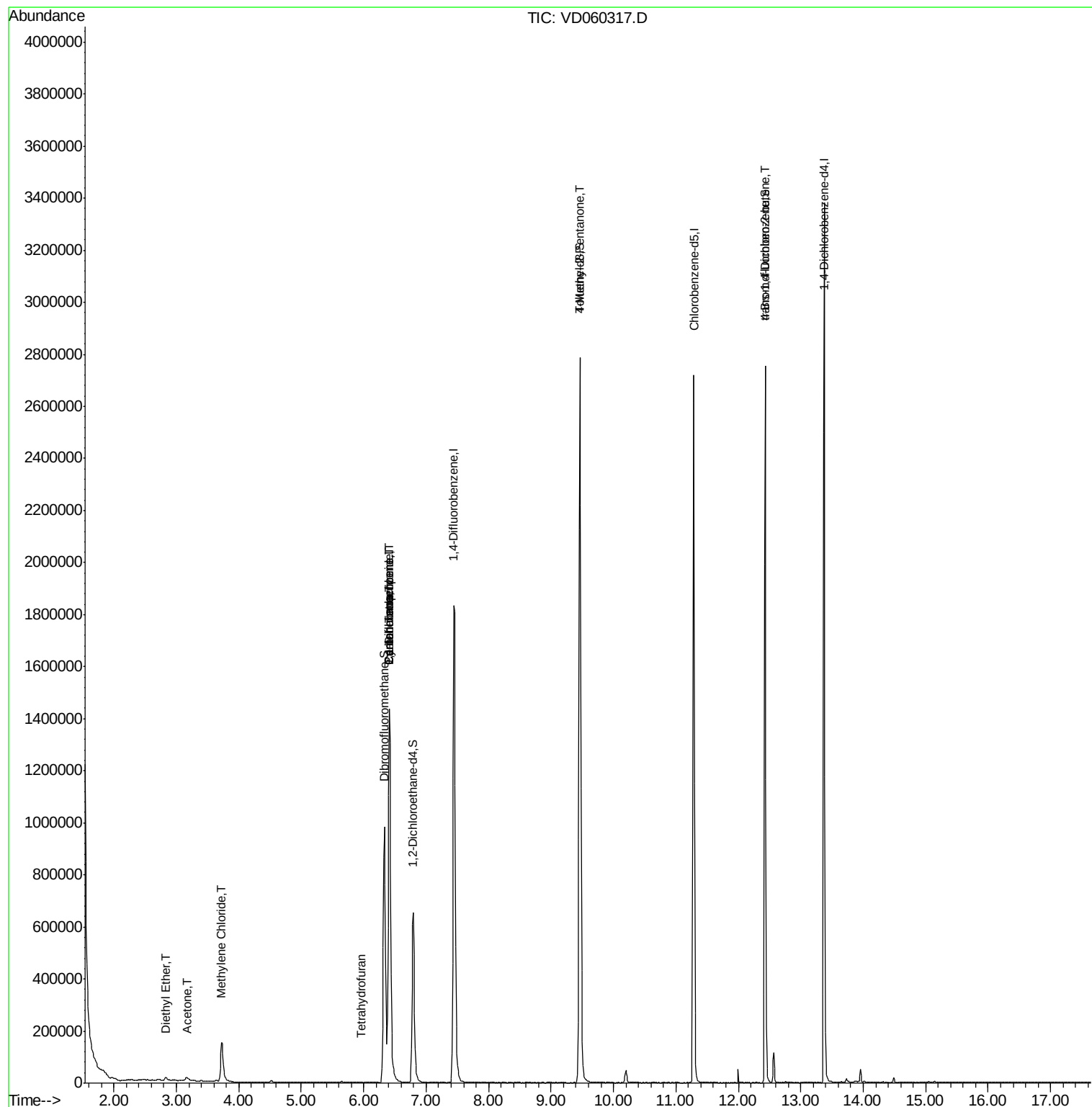
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	632	Below Cal	#	41
8) Diethyl Ether	2.84	74	3943	1.696	ug/l	92
16) Acetone	3.16	43	27859	15.930	ug/l	93
20) Methylene Chloride	3.73	84	103175	6.651	ug/l	98
29) Tetrahydrofuran	5.96	42	1940	1.012	ug/l #	57
31) Cyclohexane	6.41	56	25652	1.066	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	102186	5.259	ug/l #	46
38) Carbon Tetrachloride	6.41	117	111090	6.163	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	12135	1.660	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	319624	115.725	ug/l #	15
89) n-Butylbenzene	13.65	91	790	Below Cal	#	79

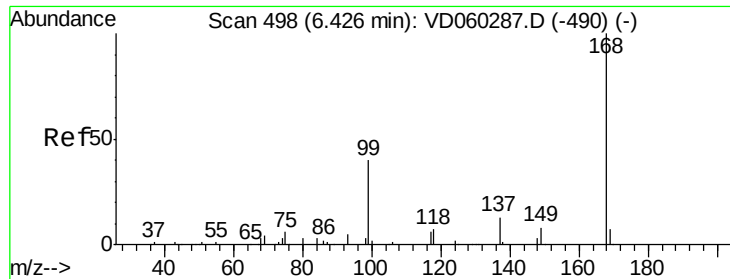
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060317.D

Acq: 9 Nov 2018 17:34

Instrument :

MSVOA_D

ClientSampleId :

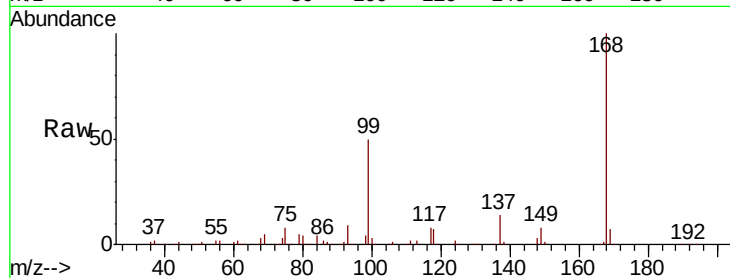
RT-3263

Tgt Ion:168 Resp: 1408064

Ion Ratio Lower Upper

168 100

99 49.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

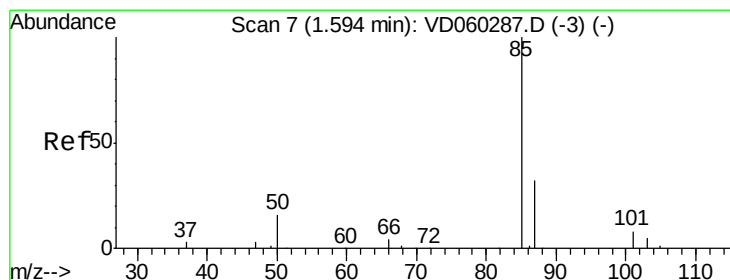
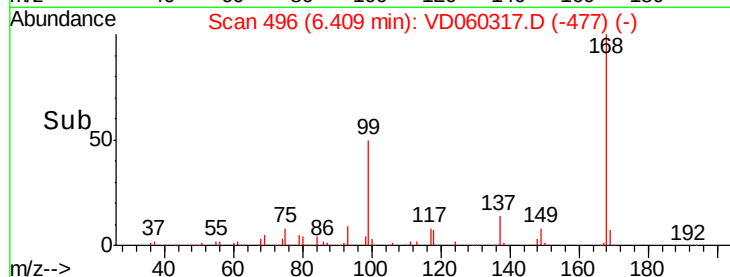
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060317.D

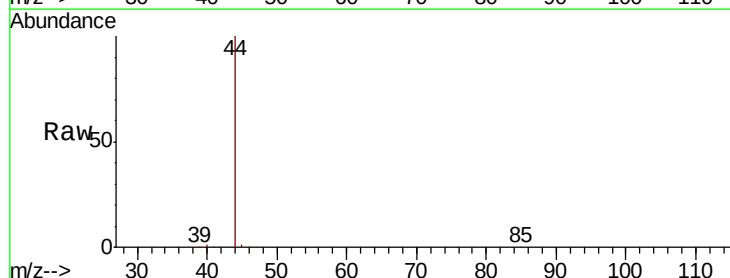
Acq: 9 Nov 2018 17:34

Tgt Ion: 85 Resp: 632

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

1.60

800

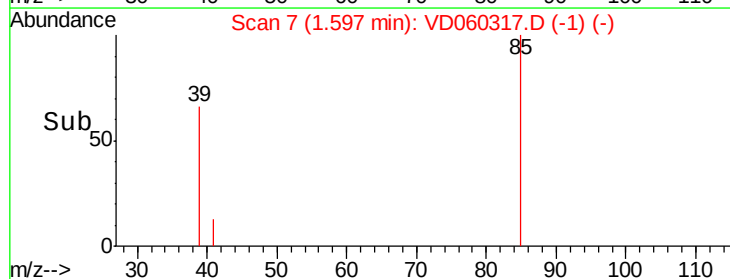
600

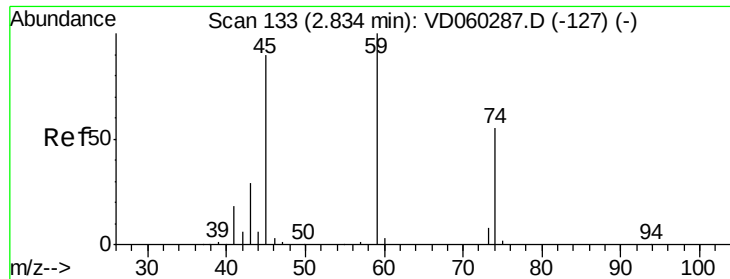
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.696 ug/l

RT: 2.84 min Scan# 133

Delta R.T. 0.00 min

Lab File: VD060317.D

Acq: 9 Nov 2018 17:34

Instrument :

MSVOA_D

ClientSampleId :

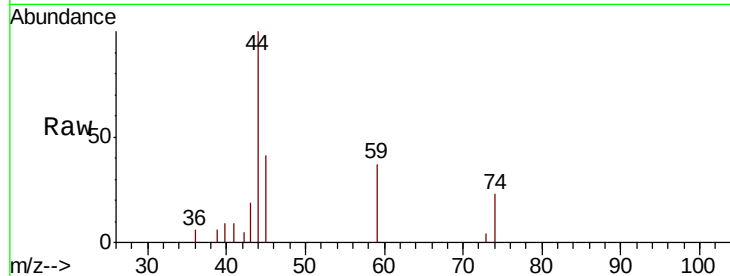
RT-3263

Tgt Ion: 74 Resp: 3943

Ion Ratio Lower Upper

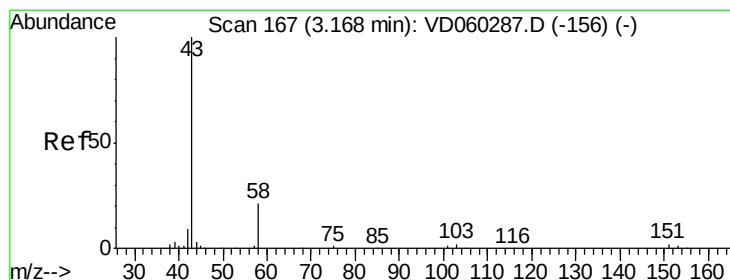
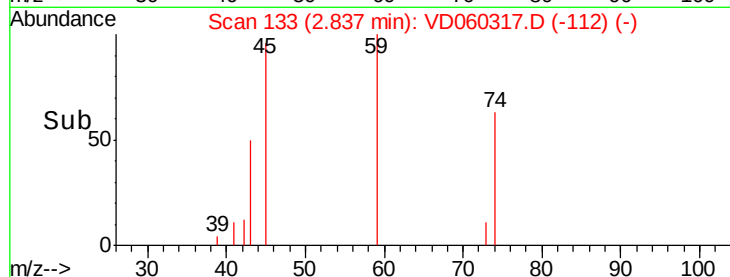
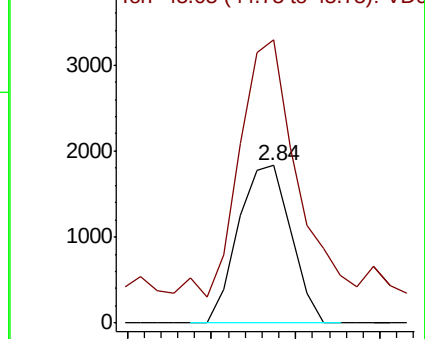
74 100

45 179.9 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 15.930 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060317.D

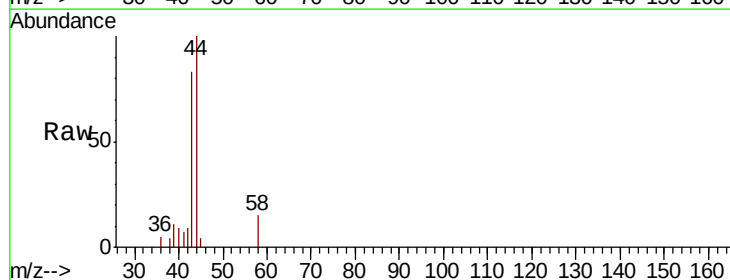
Acq: 9 Nov 2018 17:34

Tgt Ion: 43 Resp: 27859

Ion Ratio Lower Upper

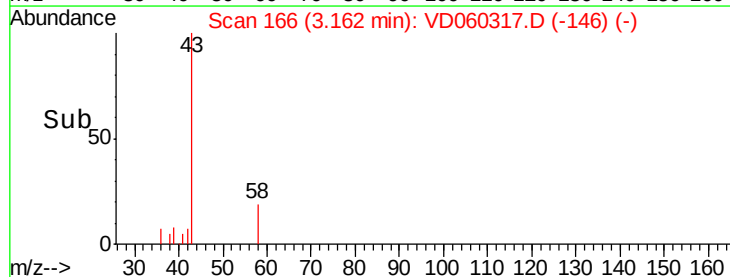
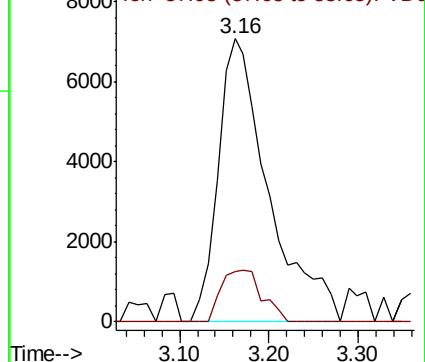
43 100

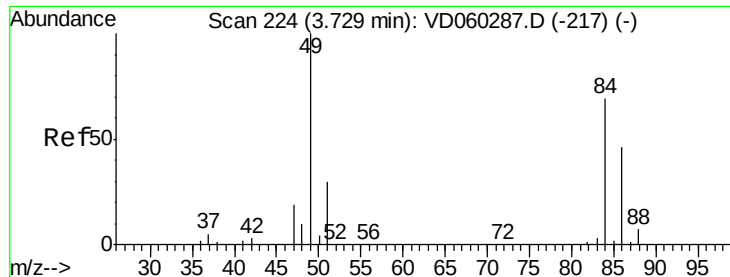
58 17.9 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

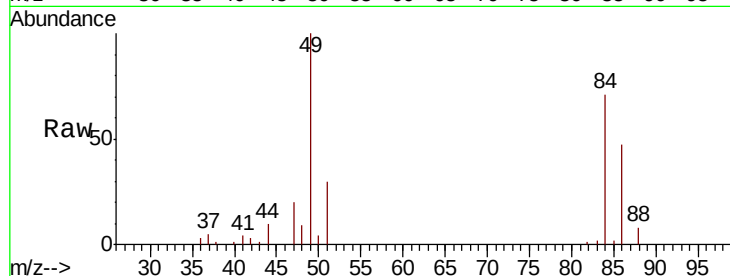




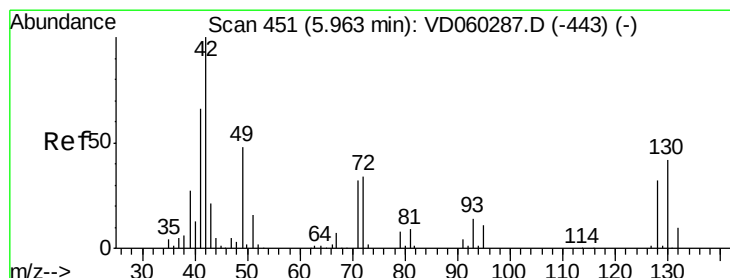
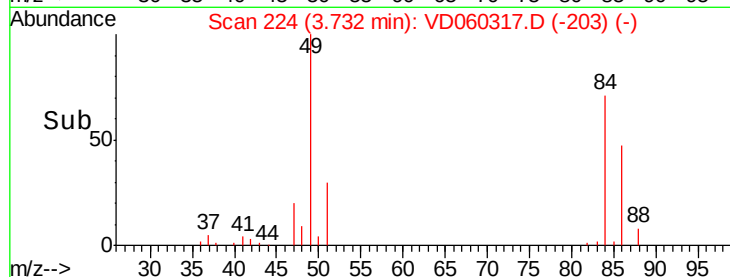
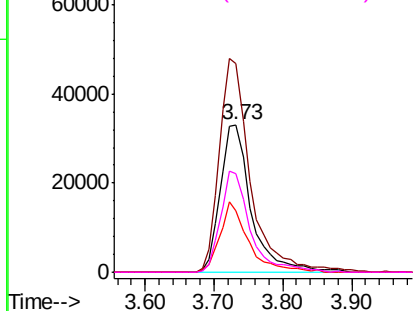
#20
Methylene Chloride
Concen: 6.651 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060317.D
Acq: 9 Nov 2018 17:34

Instrument :
MSVOA_D
ClientSampleId :
RT-3263

Tgt Ion:	84	Resp:	103175
Ion	Ratio	Lower	Upper
84	100		
49	141.8	115.6	173.4
51	41.9	35.6	53.4
86	66.8	52.3	78.5

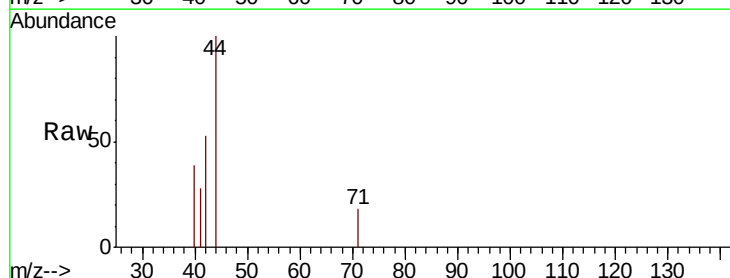


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

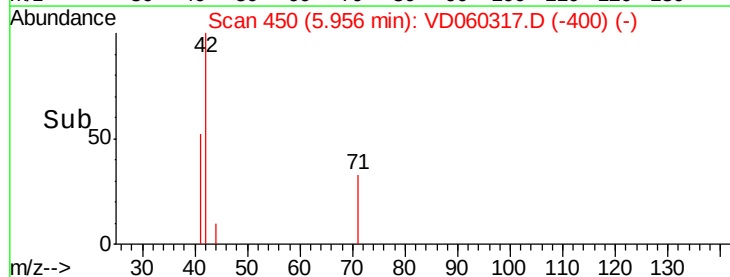
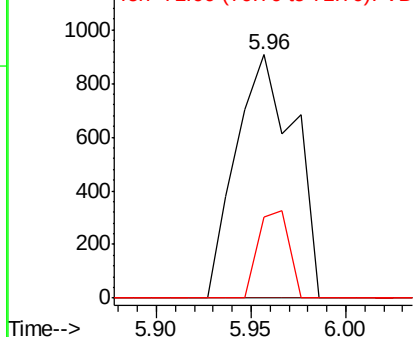


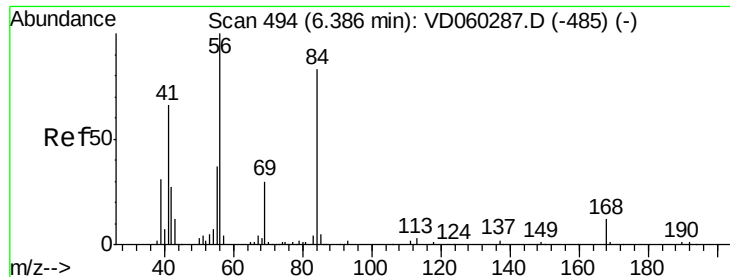
#29
Tetrahydrofuran
Concen: 1.012 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060317.D
Acq: 9 Nov 2018 17:34

Tgt Ion:	42	Resp:	1940
Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.6	41.4#
71	19.1	26.5	39.7#



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

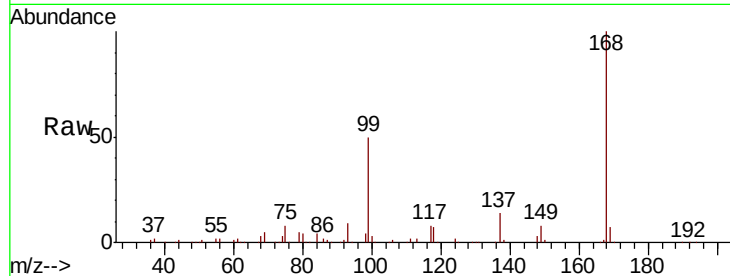




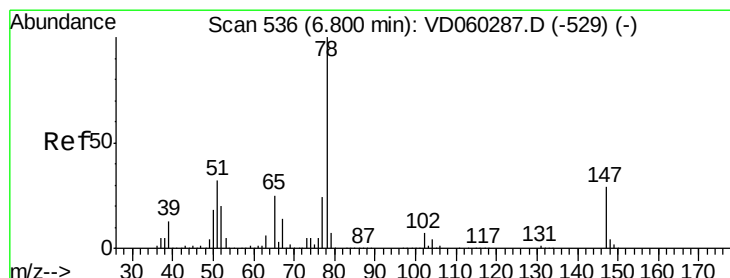
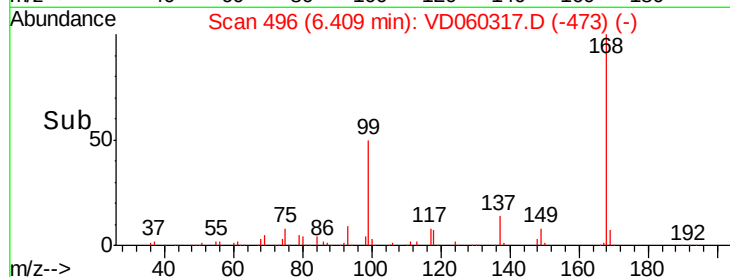
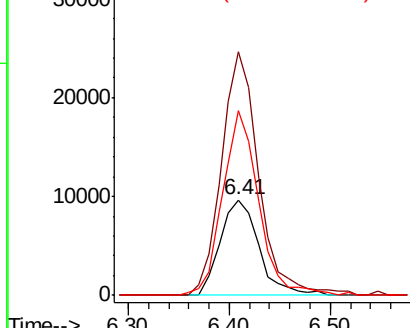
#31
Cyclohexane
Concen: 1.066 ug/l
RT: 6.41 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060317.D
Acq: 9 Nov 2018 17:34

Instrument :
MSVOA_D
ClientSampleId :
RT-3263

Tgt Ion: 56 Resp: 25652
Ion Ratio Lower Upper
56 100
69 255.3 22.2 33.2#
84 193.8 63.0 94.4#

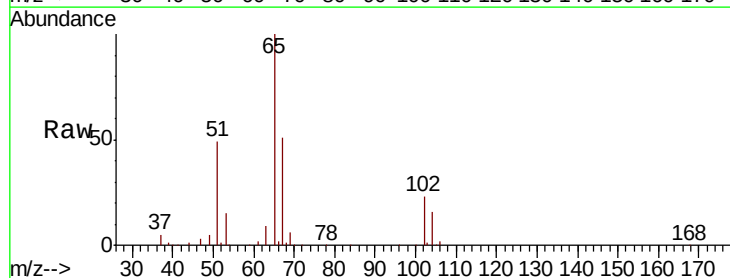


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

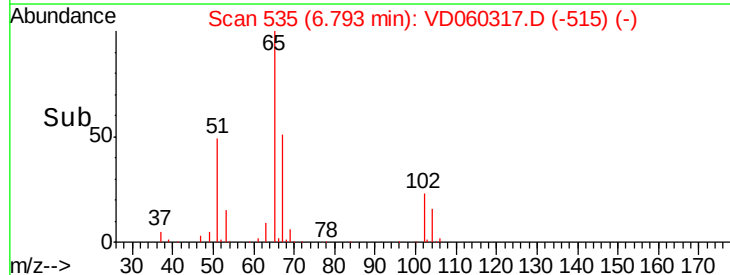
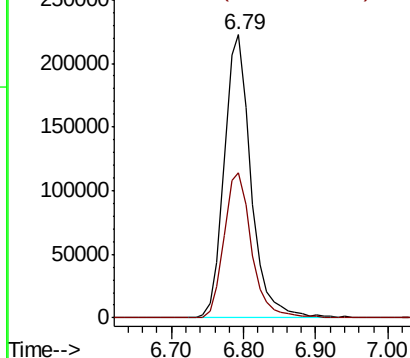


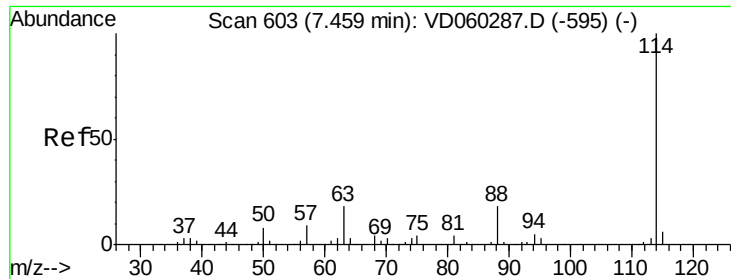
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060317.D
Acq: 9 Nov 2018 17:34

Tgt Ion: 65 Resp: 571991
Ion Ratio Lower Upper
65 100
67 51.4 0.0 109.8



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

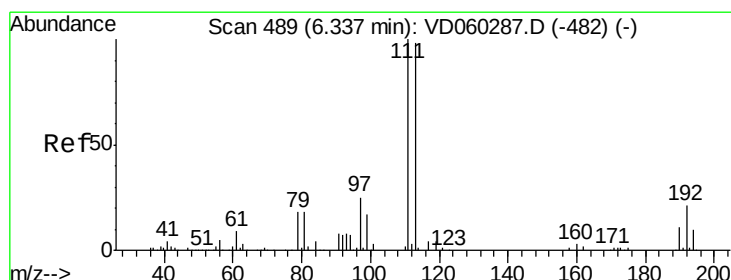
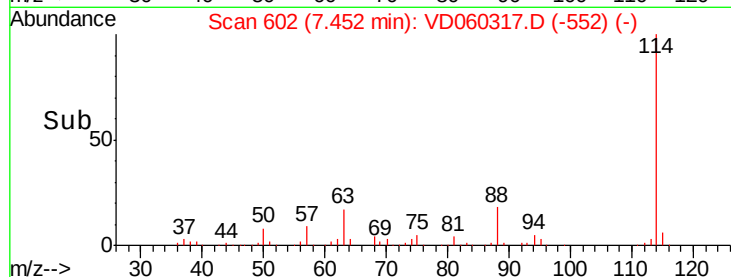
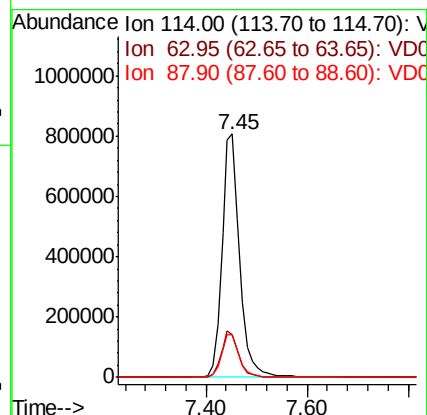
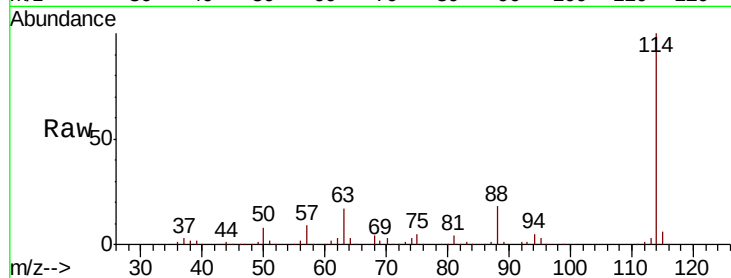




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060317.D
 Acq: 9 Nov 2018 17:34

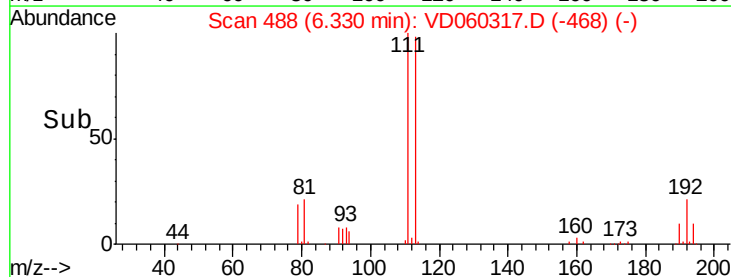
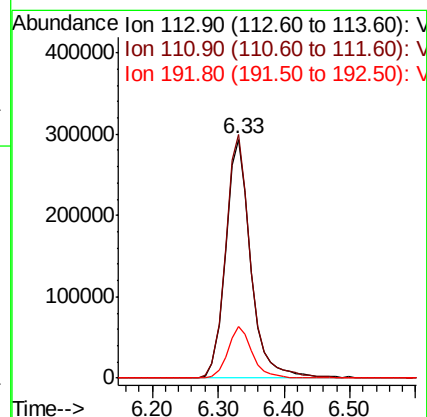
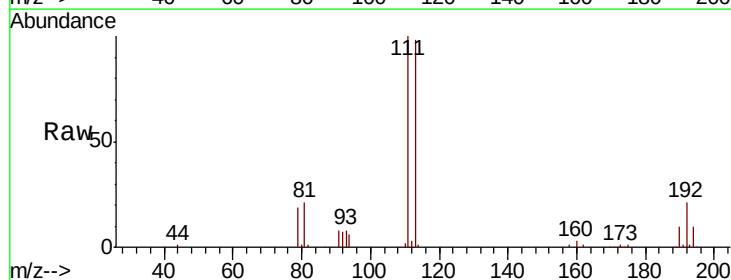
Instrument :
 MSVOA_D
 ClientSampleID :
 RT-3263

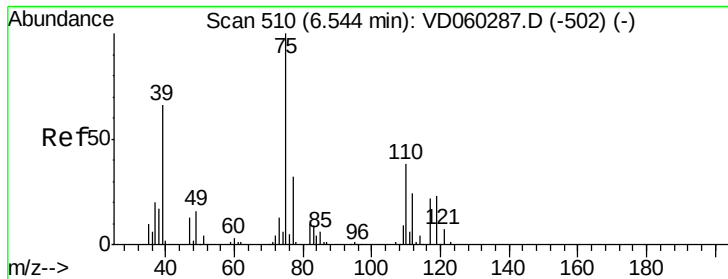
Tgt Ion:114 Resp: 1966850
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.0
 88 17.8 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060317.D
 Acq: 9 Nov 2018 17:34

Tgt Ion:113 Resp: 779825
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.6 122.4
 192 21.7 16.5 24.7

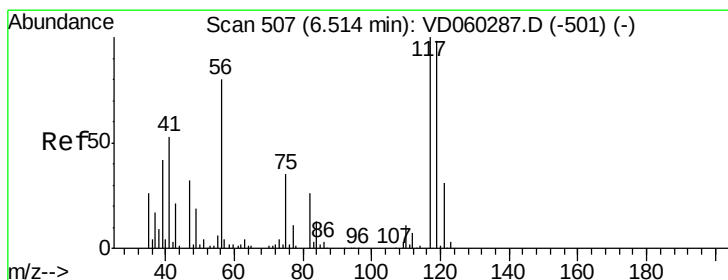
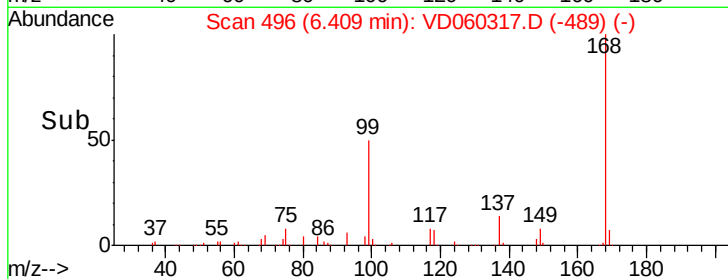
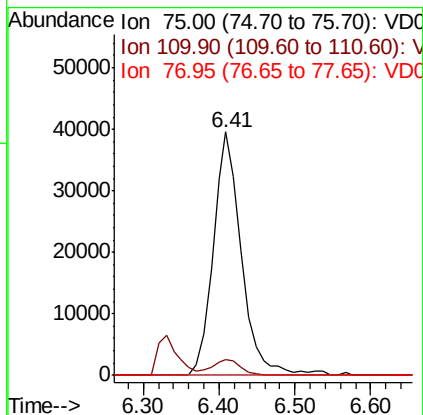
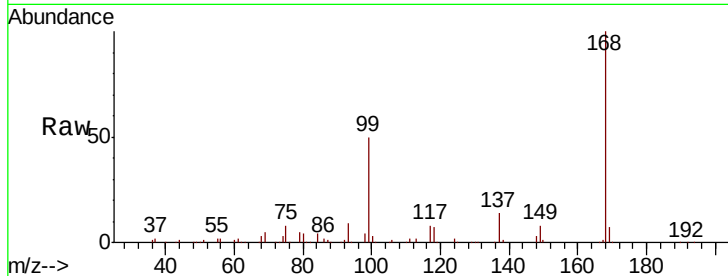




#36
 1,1-Dichloropropene
 Concen: 5.259 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.13 min
 Lab File: VD060317.D
 Acq: 9 Nov 2018 17:34

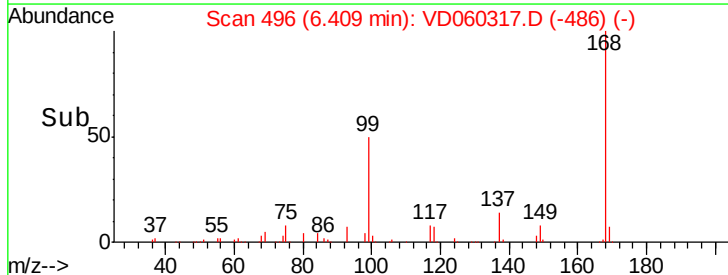
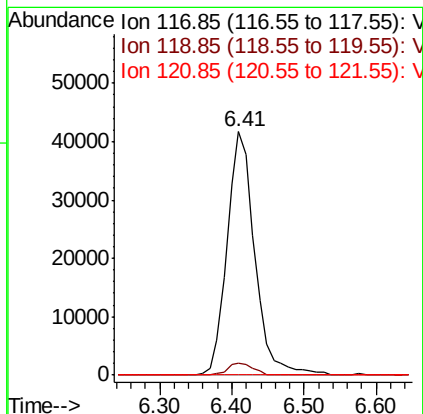
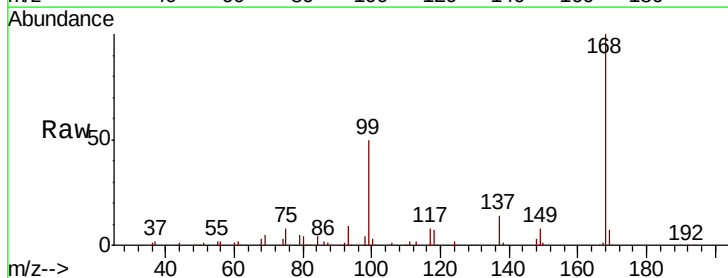
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 ClientSampleID :
 RT-3263

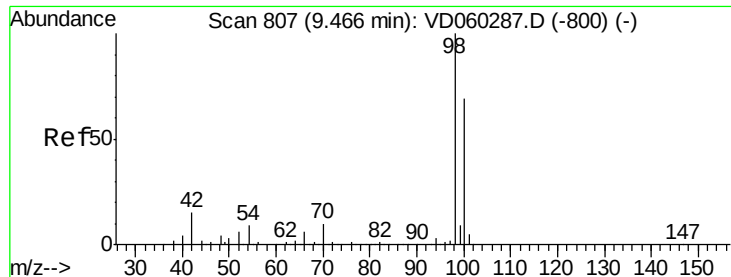
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.4	18.0	54.0#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.163 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.10 min
 Lab File: VD060317.D
 Acq: 9 Nov 2018 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.6	115.0#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060317.D

Acq: 9 Nov 2018 17:34

Instrument :

MSVOA_D

ClientSampleId :

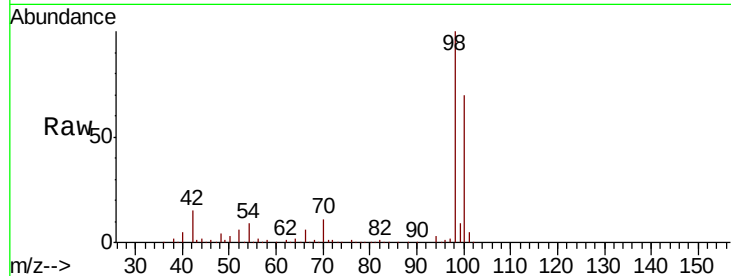
RT-3263

Tgt Ion: 98 Resp: 2209780

Ion Ratio Lower Upper

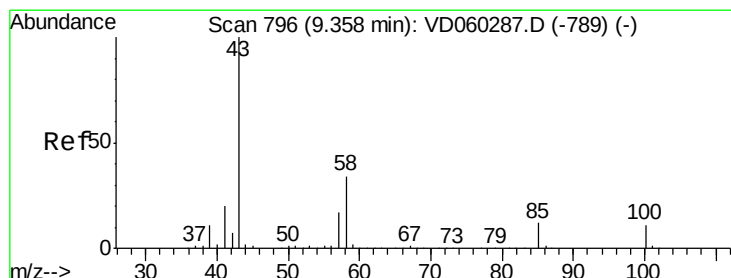
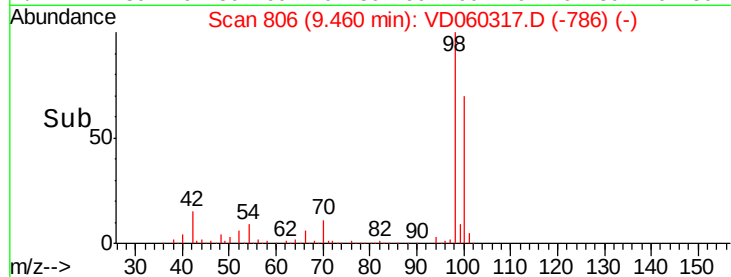
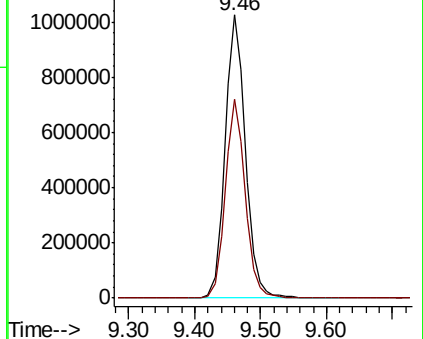
98 100

100 70.1 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: 1.660 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060317.D

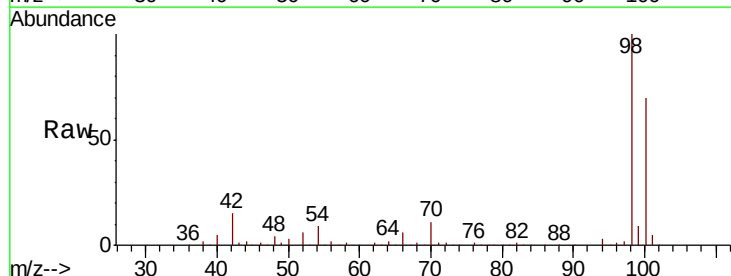
Acq: 9 Nov 2018 17:34

Tgt Ion: 43 Resp: 12135

Ion Ratio Lower Upper

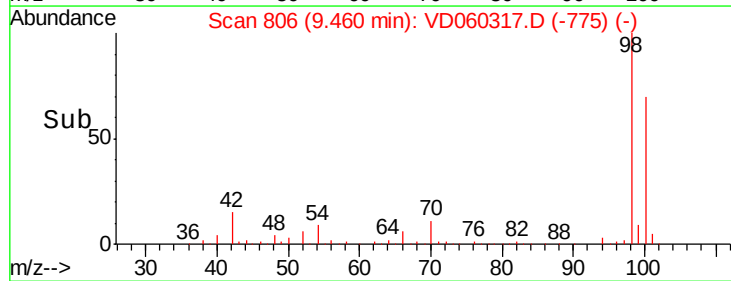
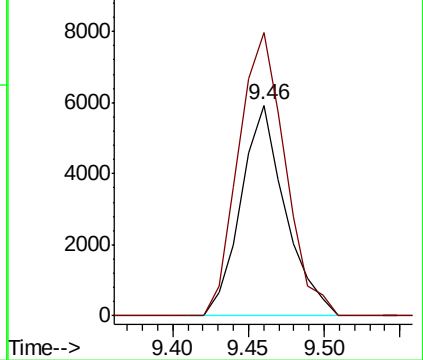
43 100

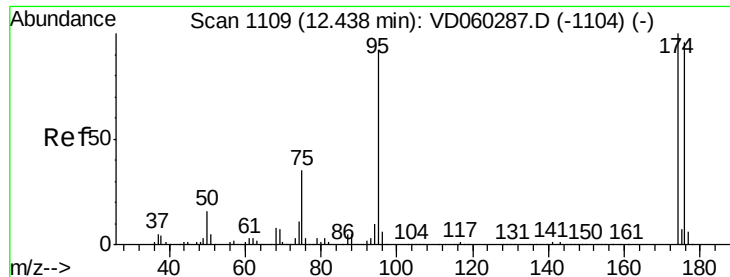
58 134.2 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060317.D

Acq: 9 Nov 2018 17:34

Instrument :

MSVOA_D

ClientSampleId :

RT-3263

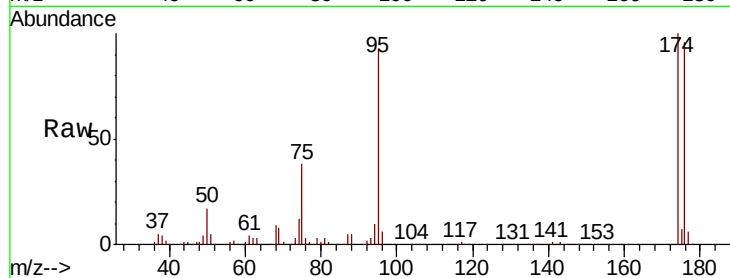
Tgt Ion: 95 Resp: 764200

Ion Ratio Lower Upper

95 100

174 107.9 0.0 160.8

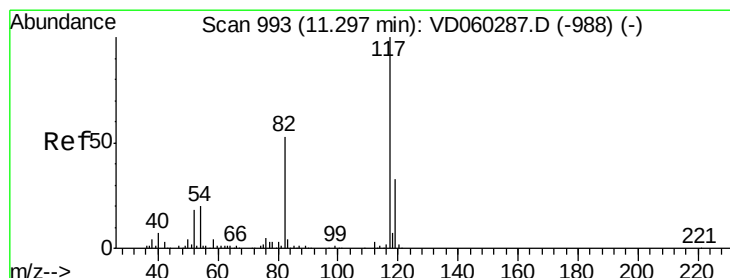
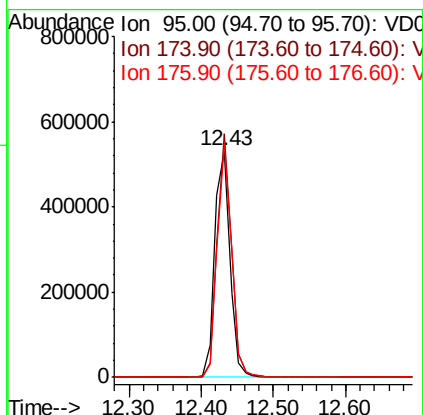
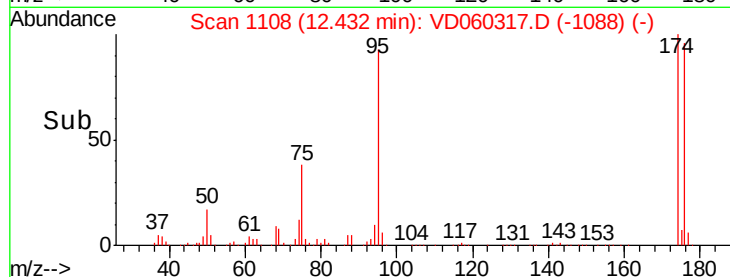
176 103.6 0.0 154.6



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: 11.29 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD060317.D

Acq: 9 Nov 2018 17:34

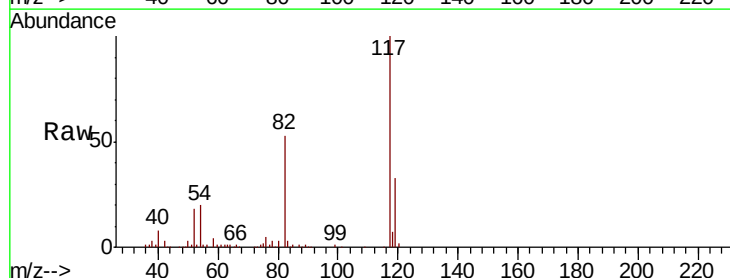
Tgt Ion: 117 Resp: 1571496

Ion Ratio Lower Upper

117 100

82 52.9 43.7 65.5

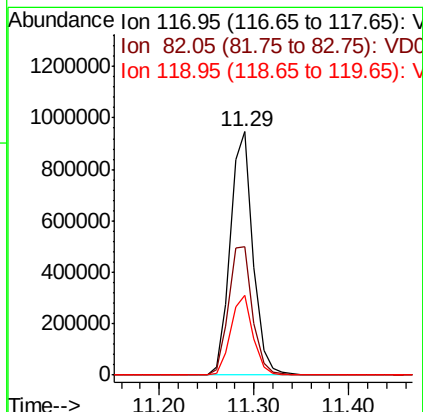
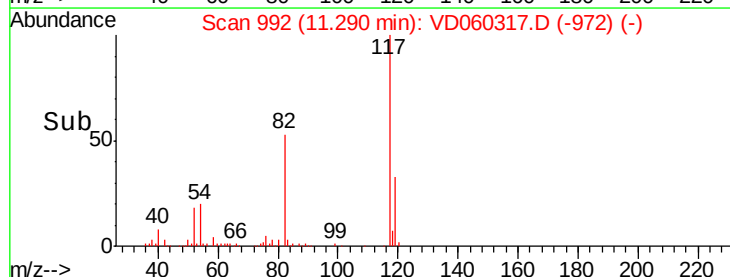
119 32.7 26.1 39.1

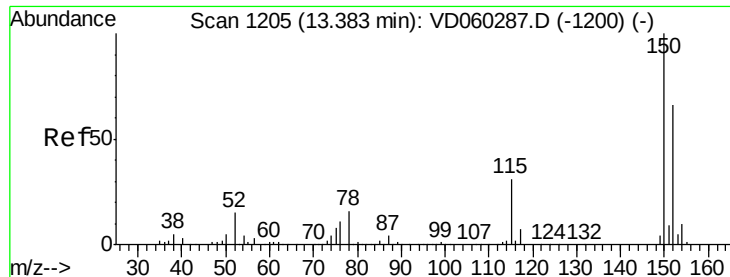


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



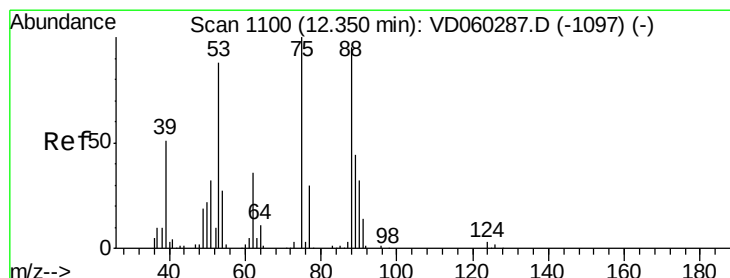
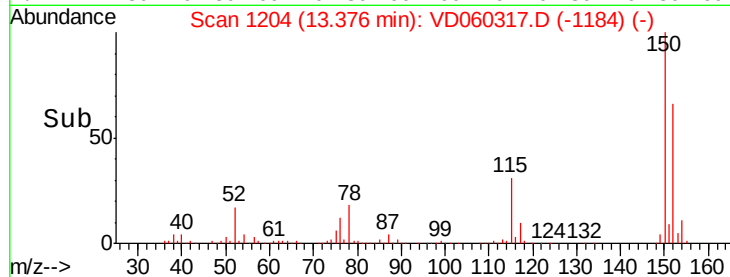
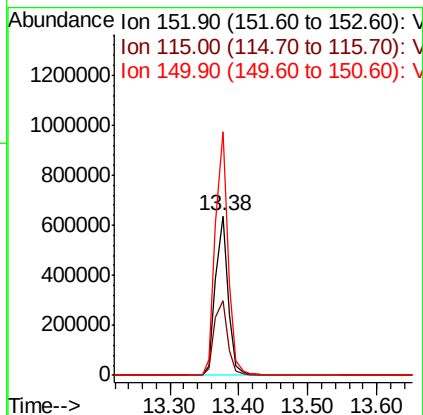
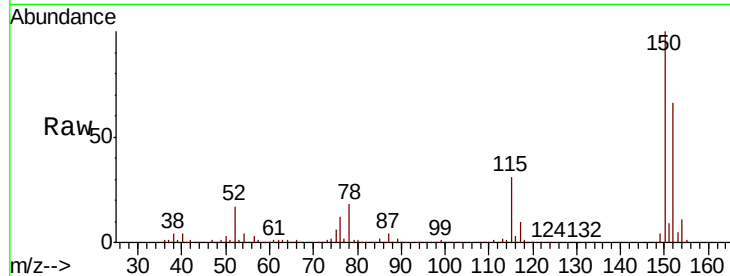


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060317.D
Acq: 9 Nov 2018 17:34

Instrument :
MSVOA_D
ClientSampleId :
RT-3263

Tgt Ion:152 Resp: 810980
Ion Ratio Lower Upper
152 100
115 46.9 24.1 72.3
150 152.5 0.0 310.6



#81

trans-1,4-Dichloro-2-butene
Concen: 115.725 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.08 min
Lab File: VD060317.D
Acq: 9 Nov 2018 17:34

Tgt Ion: 75 Resp: 319624
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 34.1 51.1#

