

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060548.D
 Acq On : 12 Dec 2018 15:45
 Operator : VA/AP
 Sample : J6344-01
 Misc : 5.03/05ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200027

Quant Time: Dec 13 00:20:16 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	705593	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1141338	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	890471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	306310	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	380985	76.18	ug/l	0.00
Spiked Amount			Recovery	=	152.36%	
35) Dibromofluoromethane	6.32	113	397037	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	9.45	98	865842	35.69	ug/l	0.00
Spiked Amount			Recovery	=	71.38%	
62) 4-Bromofluorobenzene	12.43	95	314467	36.23	ug/l	0.00
Spiked Amount			Recovery	=	72.46%	

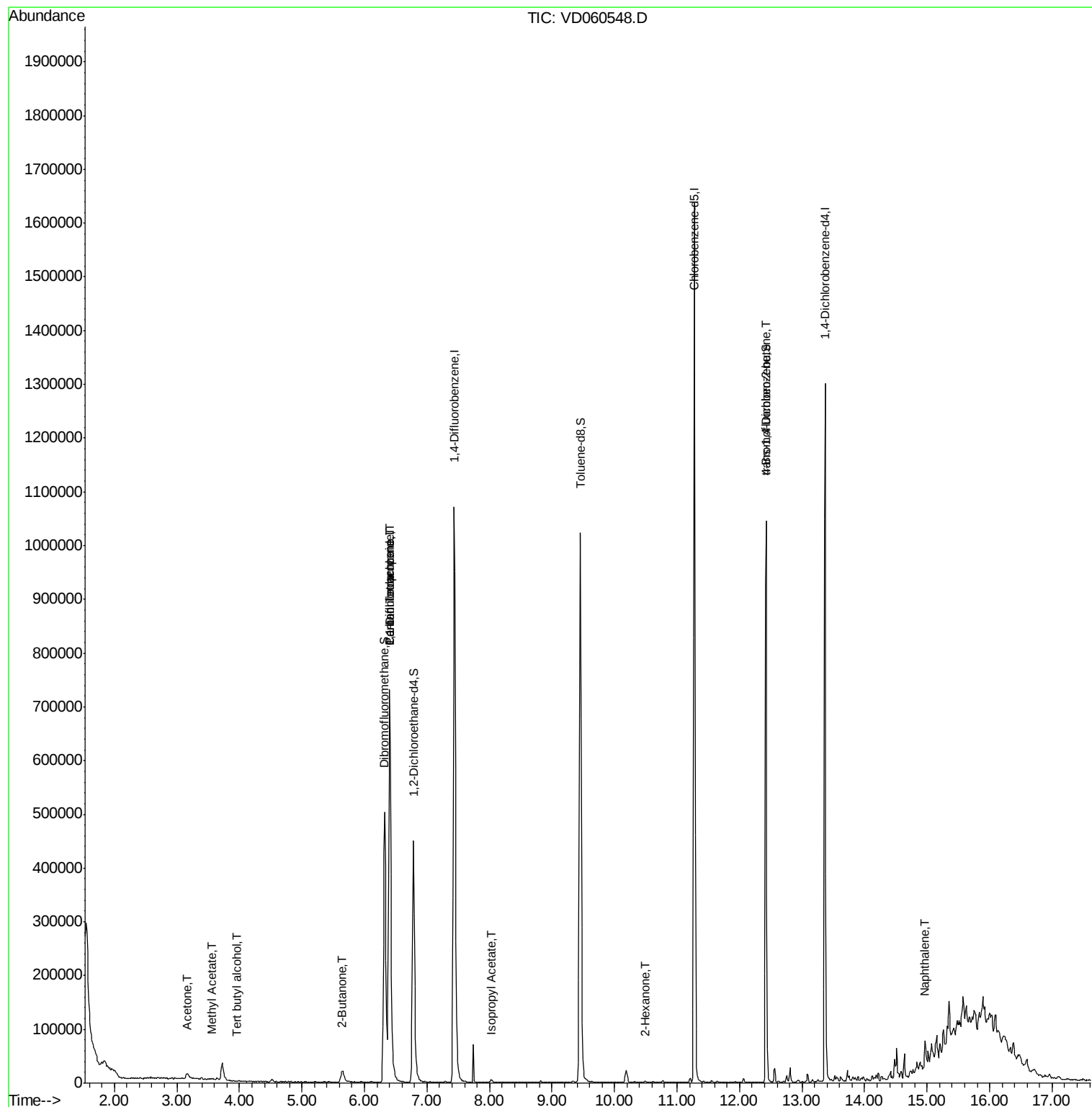
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	267	1.314	ug/l #	73
16) Acetone	3.16	43	24530	30.599	ug/l #	86
18) Methyl Acetate	3.57	43	3426	1.798	ug/l #	64
20) Methylene Chloride	3.73	84	21160	Below Cal		95
25) 2-Butanone	5.63	43	14549	9.225	ug/l #	84
31) Cyclohexane	6.39	56	13976	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	51608	4.626	ug/l #	46
38) Carbon Tetrachloride	6.40	117	55441	5.535	ug/l #	16
43) Isopropyl Acetate	8.03	43	7246	1.213	ug/l #	49
59) 2-Hexanone	10.48	43	2924	1.126	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.42	75	130536	134.853	ug/l #	14
89) n-Butylbenzene	13.64	91	2197	Below Cal		93
95) Naphthalene	14.96	128	23697	3.022	ug/l	98

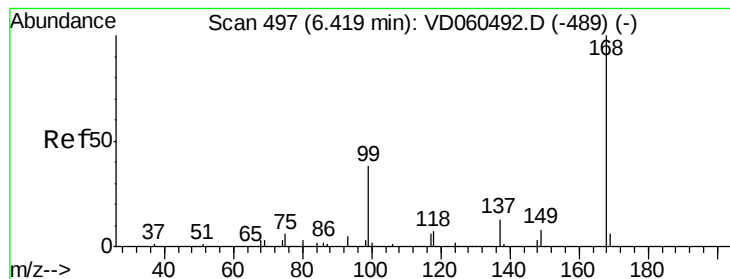
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121218\
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Quant Time: Dec 13 00:20:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
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# 496

Delta R.T. -0.02 min

Lab File: VD060548.D

Acq: 12 Dec 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

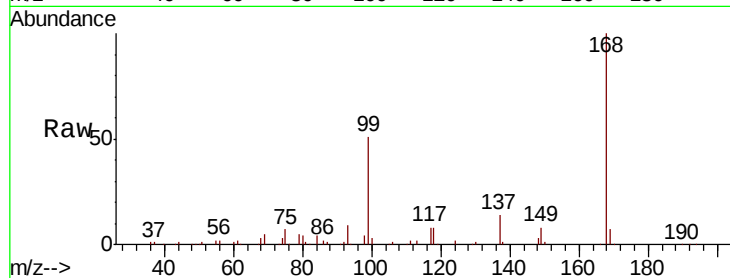
RBR-200027

Tot Ion:168 Resp: 705593

Ion Ratio Lower Upper

168 100

99 51.1 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

250000

200000

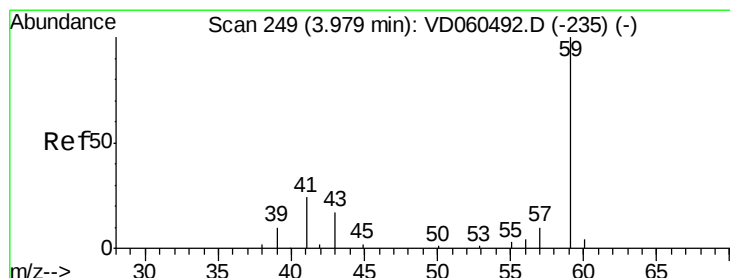
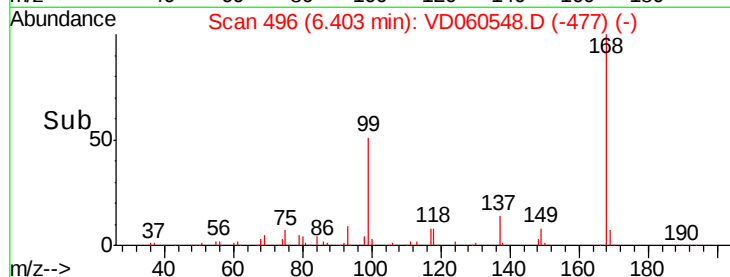
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.314 ug/l

RT: 3.97 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060548.D

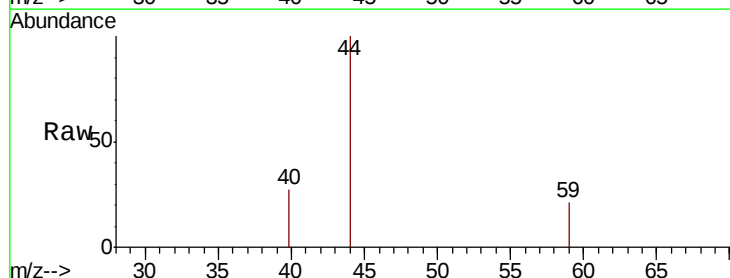
Acq: 12 Dec 2018 15:45

Tgt Ion: 59 Resp: 267

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

3.97

500

400

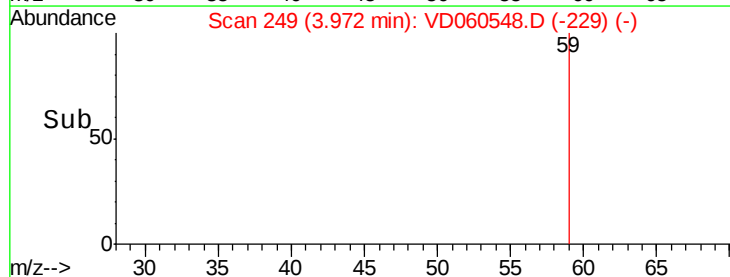
300

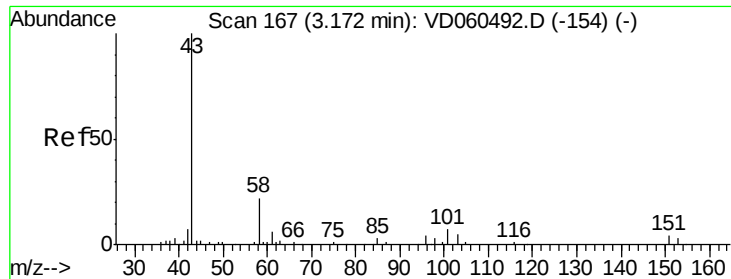
200

100

0

Time-->





#16

Acetone

Concen: 30.599 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060548.D

Acq: 12 Dec 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

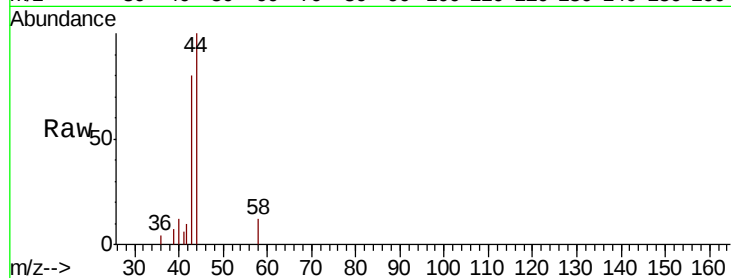
RBR-200027

Tot Ion: 43 Resp: 24530

Ion Ratio Lower Upper

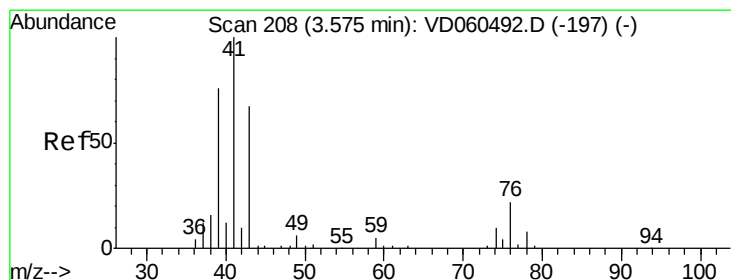
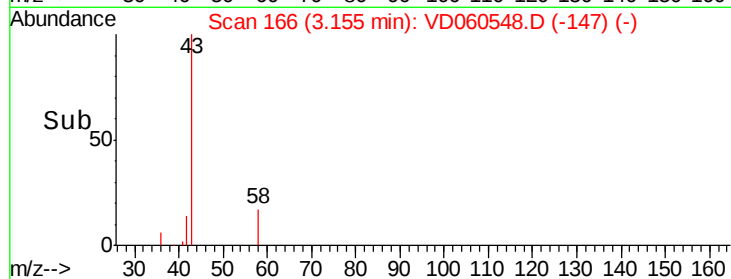
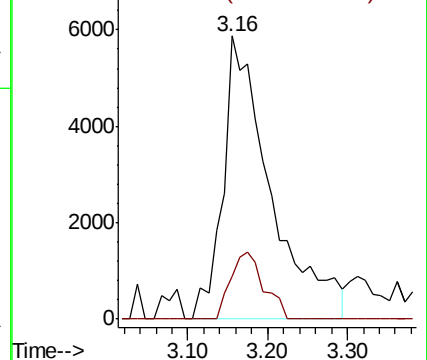
43 100

58 14.9 17.3 25.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.798 ug/l

RT: 3.57 min Scan# 208

Delta R.T. -0.01 min

Lab File: VD060548.D

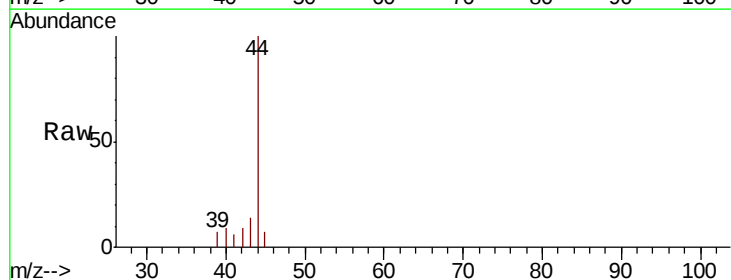
Acq: 12 Dec 2018 15:45

Tgt Ion: 43 Resp: 3426

Ion Ratio Lower Upper

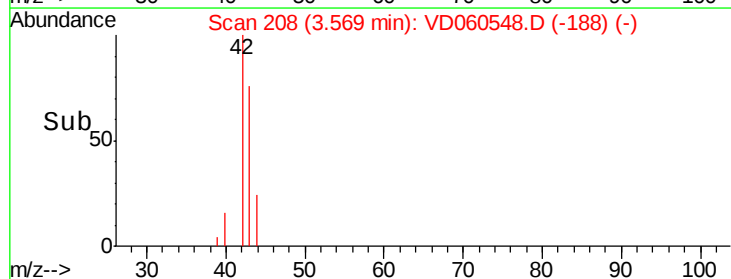
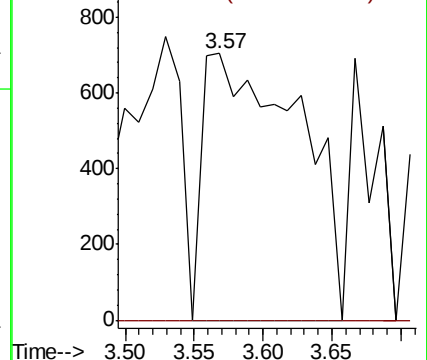
43 100

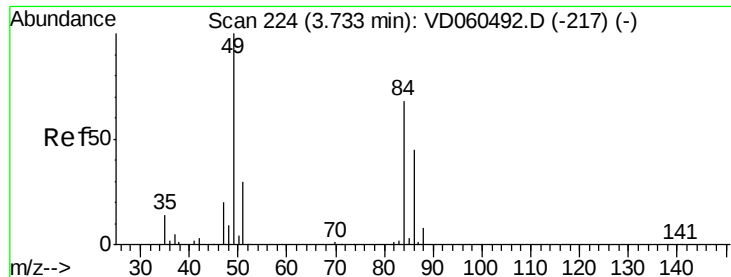
74 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

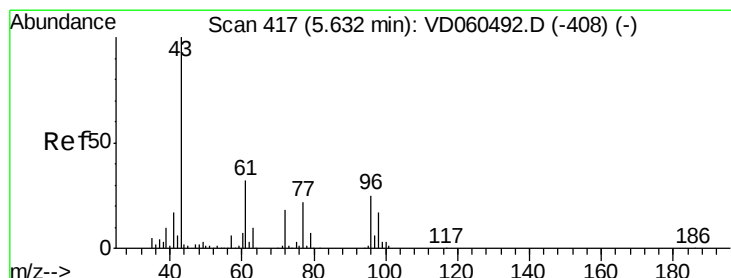
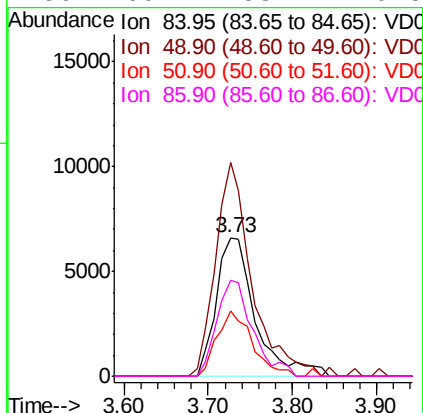
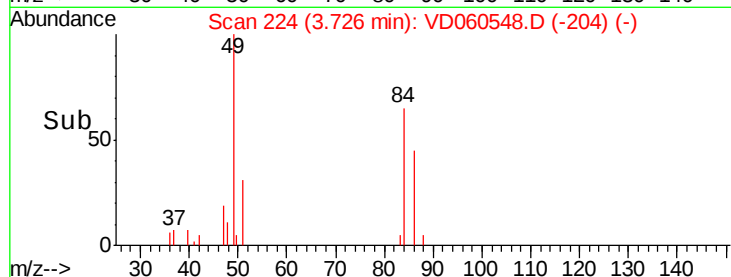
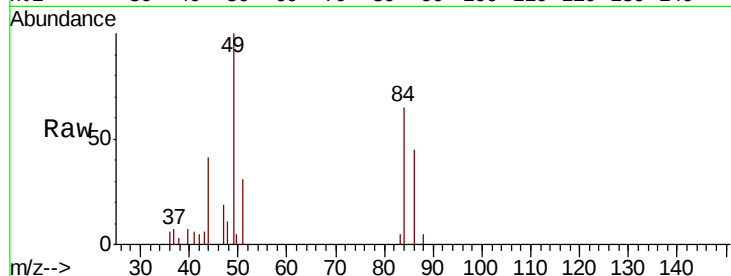




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

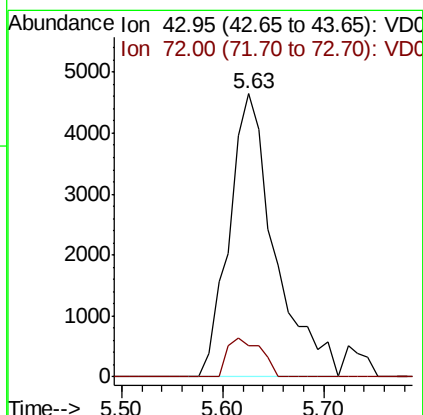
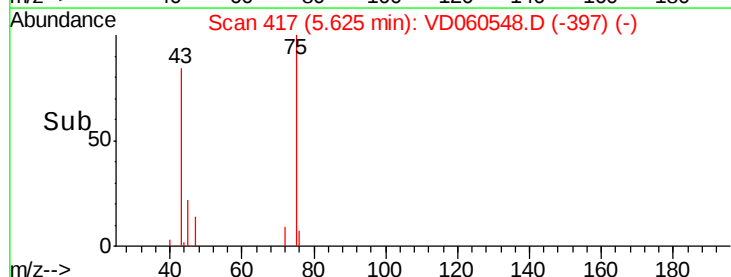
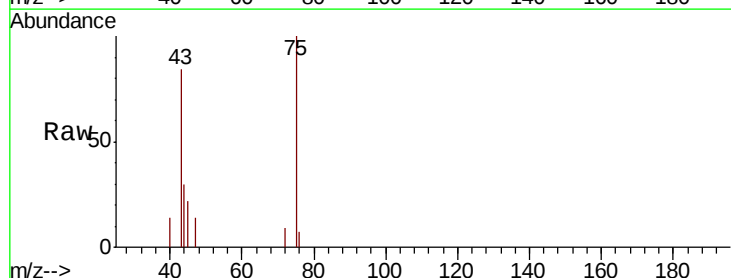
Instrument :
MSVOA_D
ClientSampleId :
RBR-200027

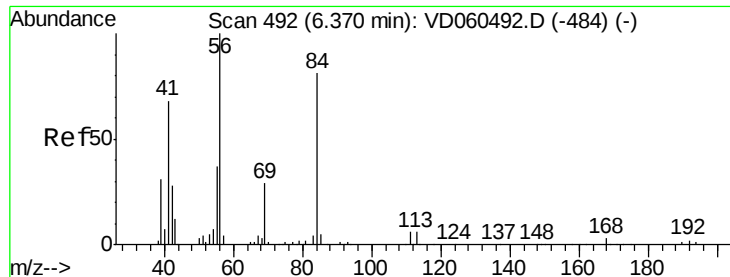
Tot Ion: 84 Resp: 21160
Ion Ratio Lower Upper
84 100
49 153.9 117.2 175.8
51 47.2 35.3 52.9
86 69.1 53.2 79.8



#25
2-Butanone
Concen: 9.225 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

Tgt Ion: 43 Resp: 14549
Ion Ratio Lower Upper
43 100
72 10.9 14.6 21.8#

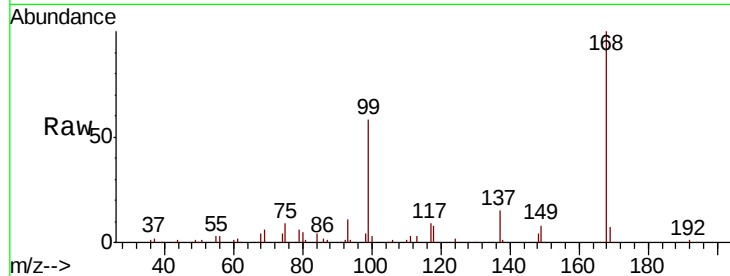




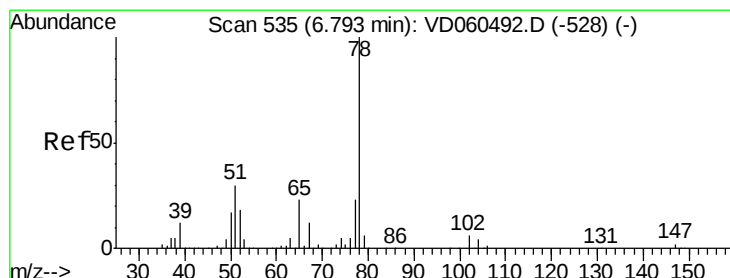
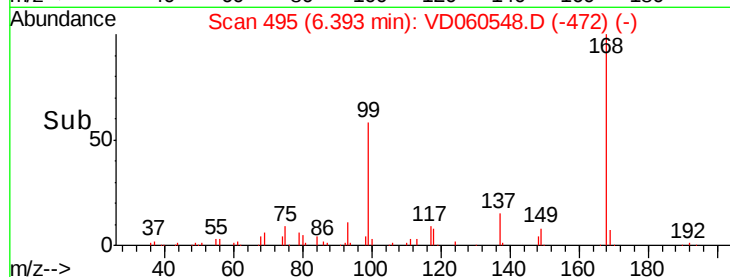
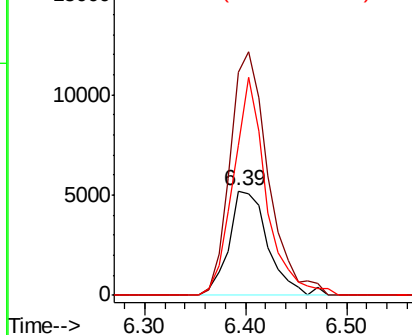
#31
Cyclohexane
Concen: Below Cal
RT: 6.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
RBR-200027

Tot Ion	56	Resp	13976
Ion Ratio	Lower	Upper	
56	100		
69	213.7	22.8	34.2#
84	144.4	65.1	97.7#

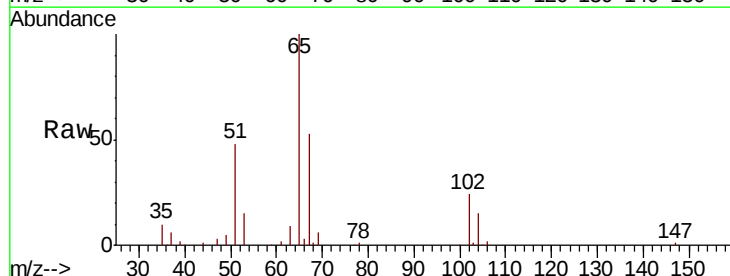


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

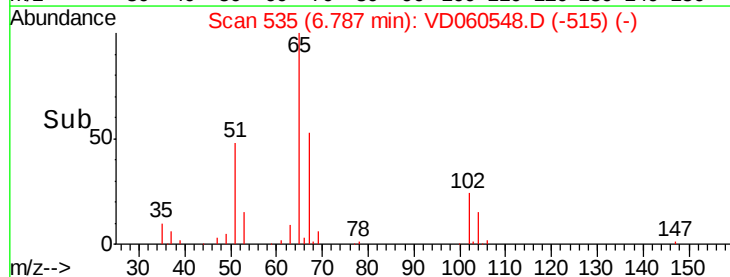
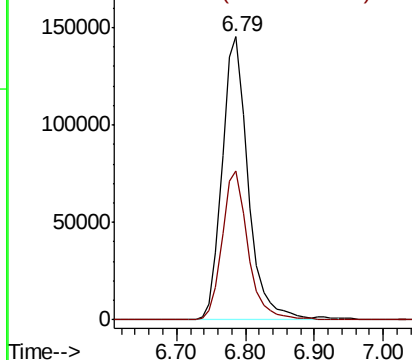


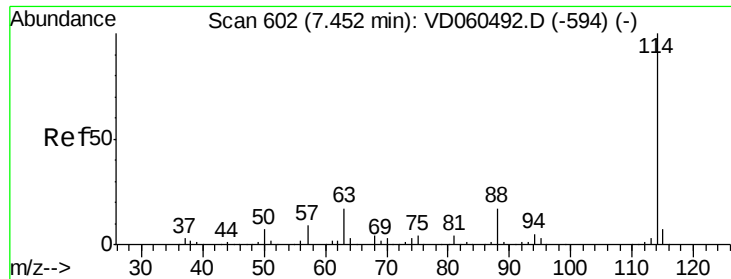
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

Tgt Ion	65	Resp	380985
Ion Ratio	Lower	Upper	
65	100		
67	52.8	0.0	106.8



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

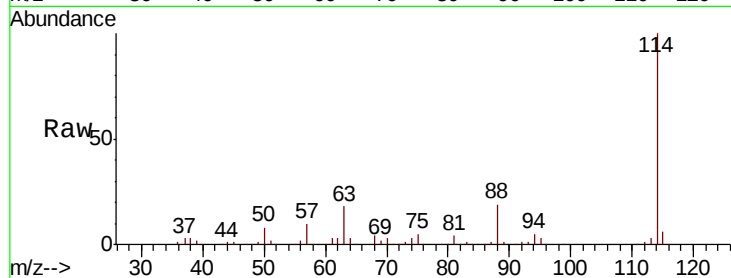




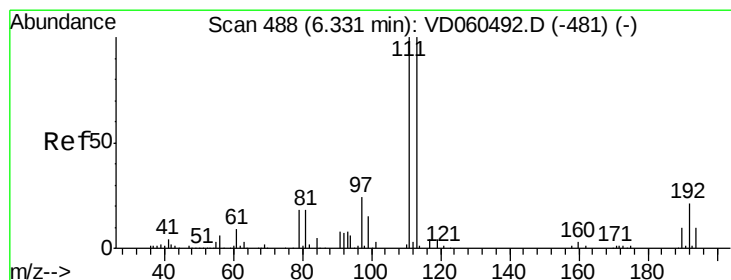
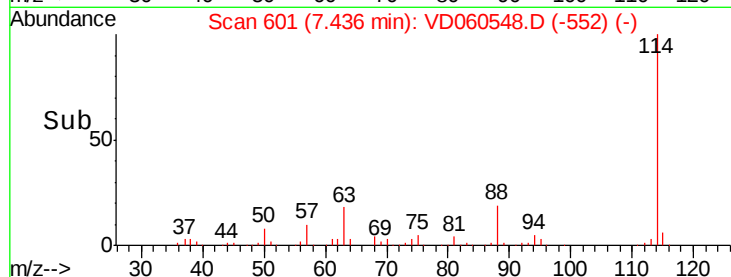
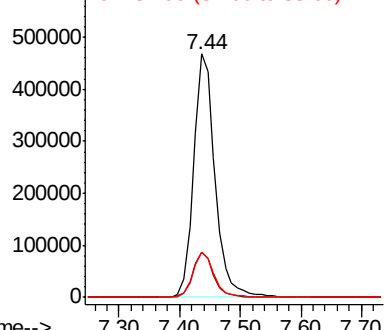
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060548.D
 Acq: 12 Dec 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200027

Tot Ion:114 Resp: 1141338
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.2
 88 18.7 0.0 35.0

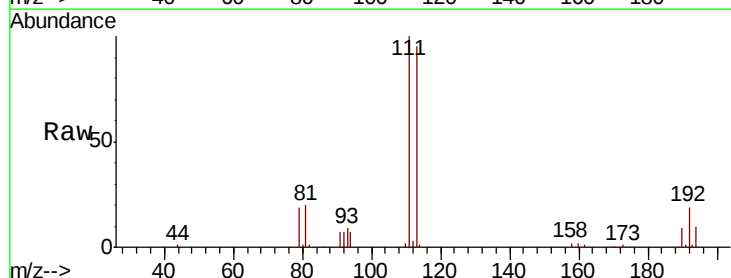


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

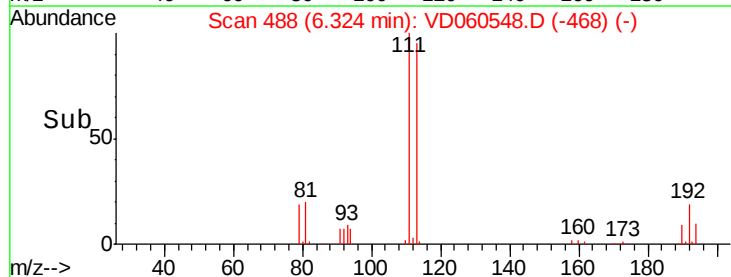
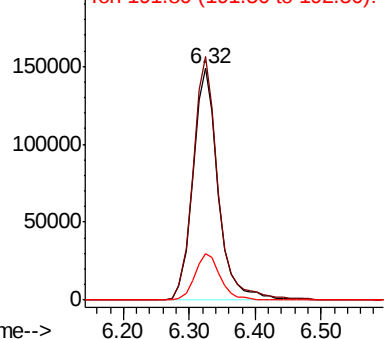


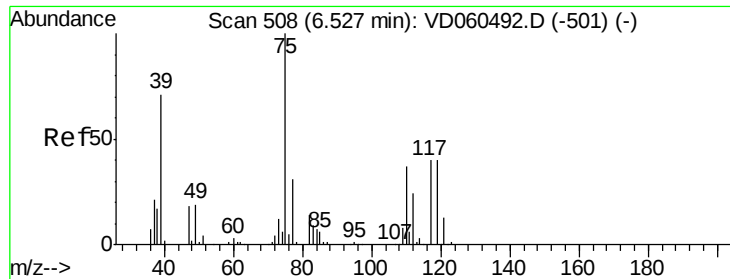
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060548.D
 Acq: 12 Dec 2018 15:45

Tgt Ion:113 Resp: 397037
 Ion Ratio Lower Upper
 113 100
 111 105.0 80.2 120.4
 192 20.2 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

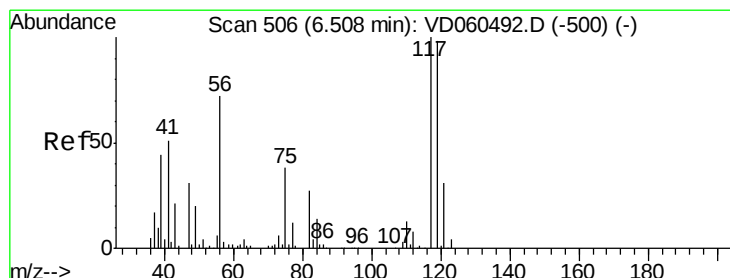
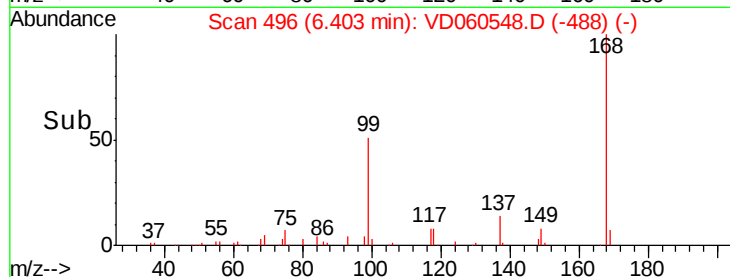
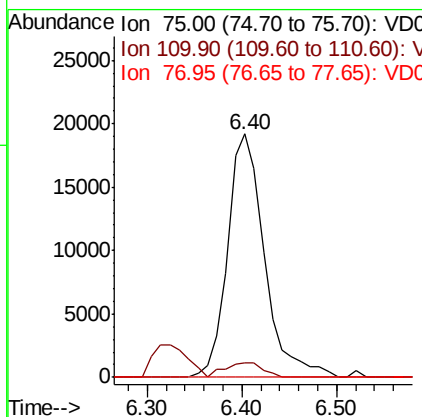
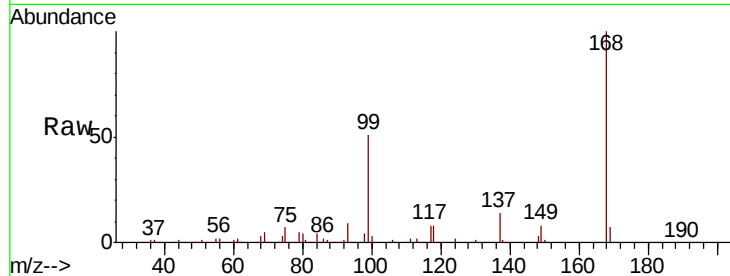




#36
 1,1-Dichloropropene
 Concen: 4.626 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.12 min
 Lab File: VD060548.D
 Acq: 12 Dec 2018 15:45

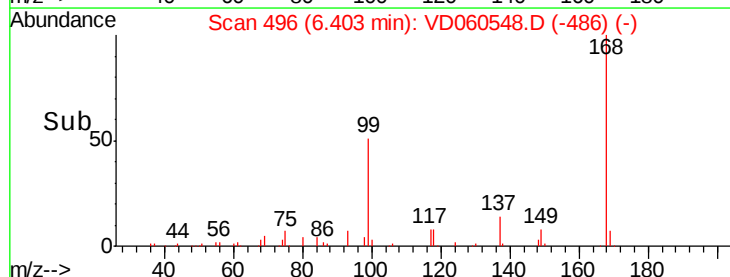
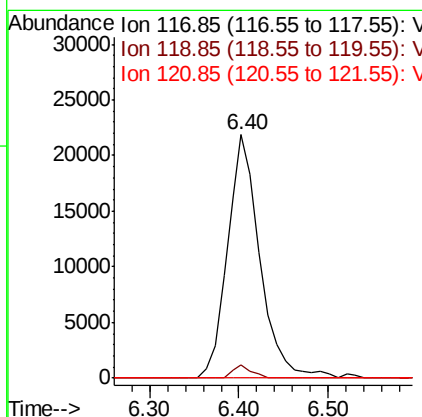
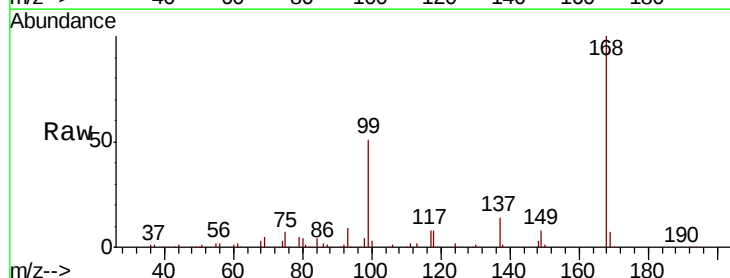
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 ClientSampleID :
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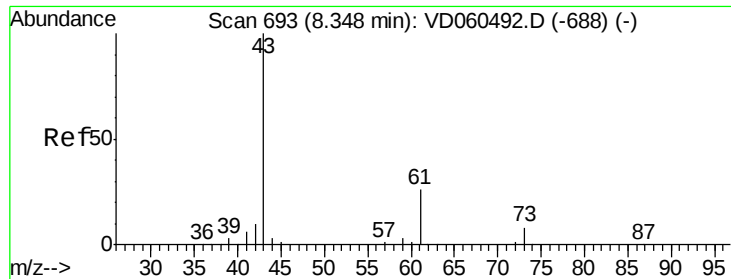
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.0	18.3	54.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.535 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.10 min
 Lab File: VD060548.D
 Acq: 12 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.8	115.2#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: 1.213 ug/l

RT: 8.03 min Scan# 661

Delta R.T. -0.32 min

Lab File: VD060548.D

Acq: 12 Dec 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

RBR-200027

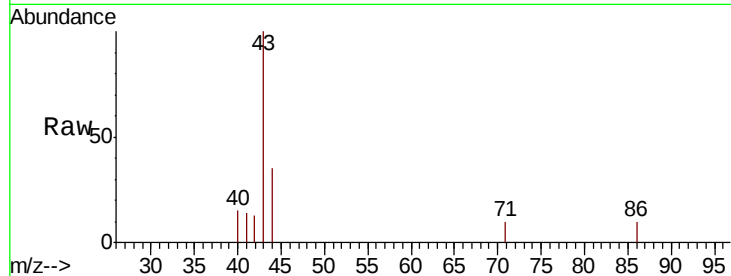
Tot Ion: 43 Resp: 7246

Ion Ratio Lower Upper

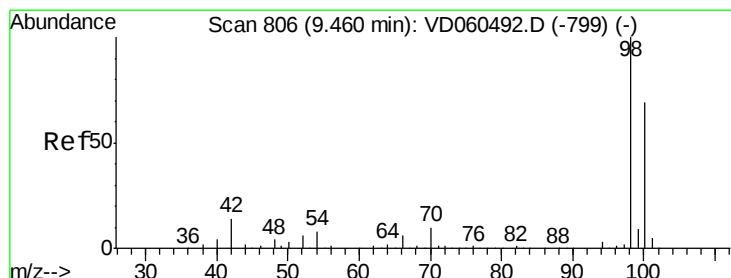
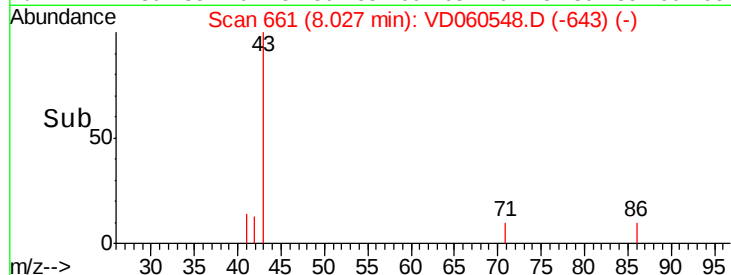
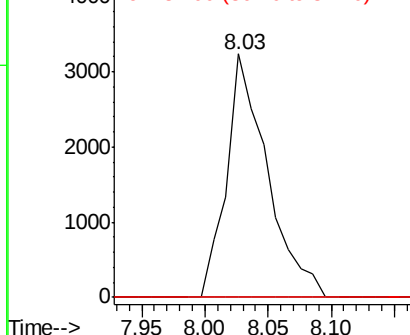
43 100

61 0.0 21.0 31.4#

87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060548.D

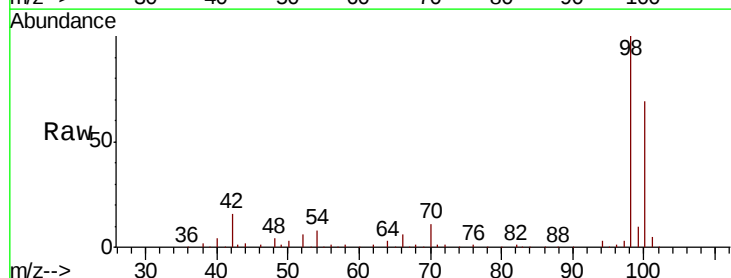
Acq: 12 Dec 2018 15:45

Tgt Ion: 98 Resp: 865842

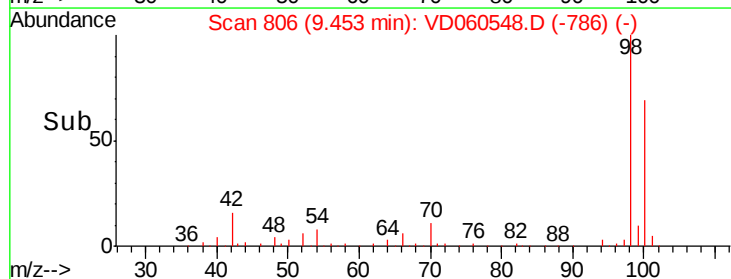
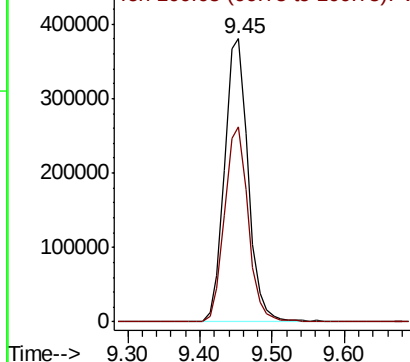
Ion Ratio Lower Upper

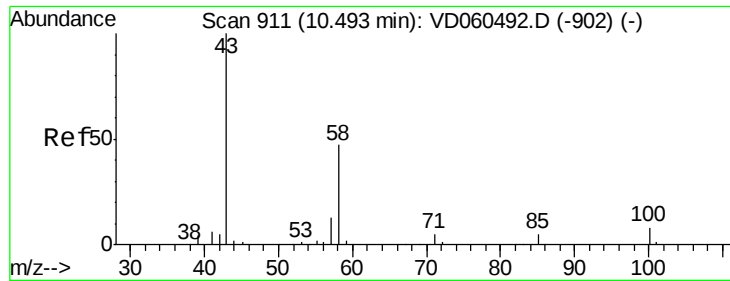
98 100

100 69.0 55.7 83.5



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

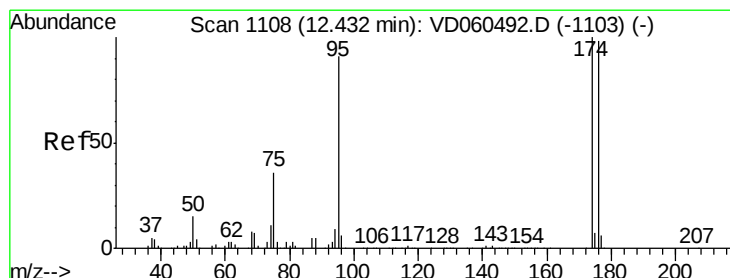
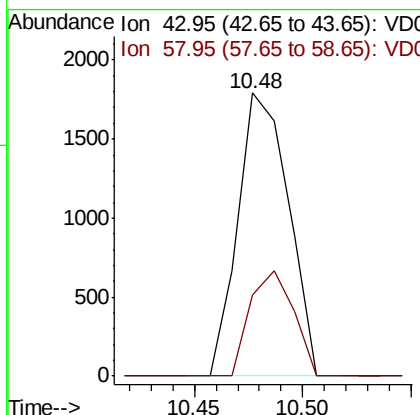
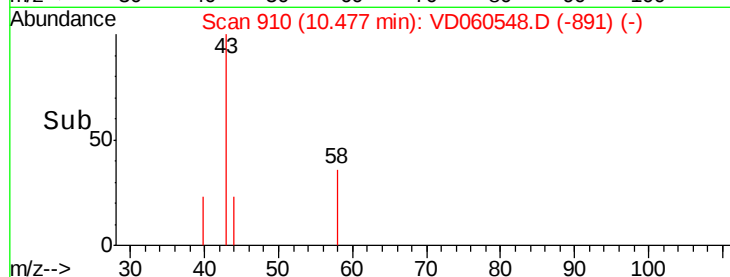
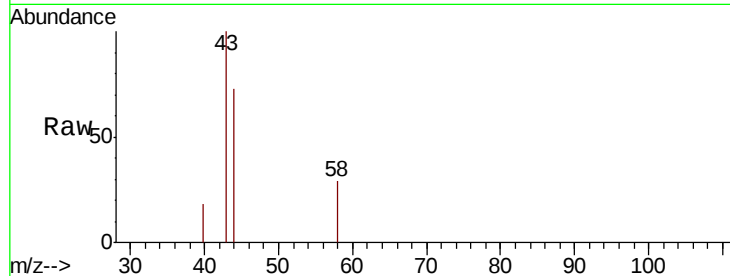




#59
2-Hexanone
Concen: 1.126 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

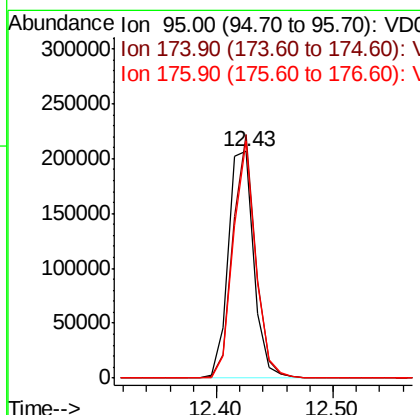
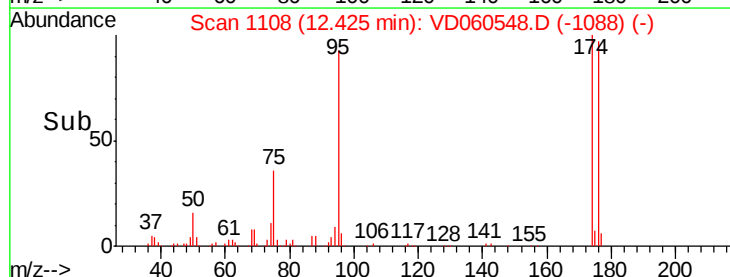
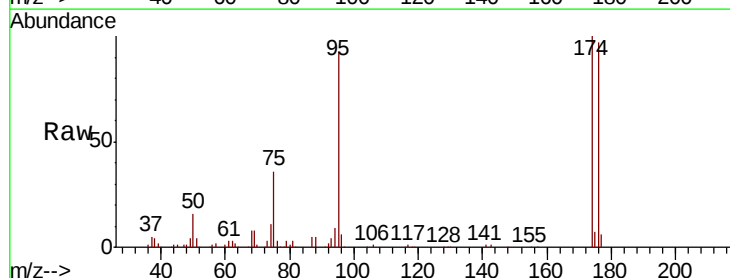
Instrument :
MSVOA_D
ClientSampleId :
RBR-200027

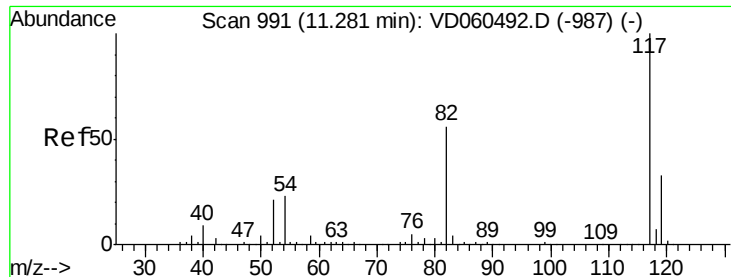
Tot Ion: 43 Resp: 2924
Ion Ratio Lower Upper
43 100
58 28.8 23.4 70.2



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

Tgt Ion: 95 Resp: 314467
Ion Ratio Lower Upper
95 100
174 107.5 0.0 219.4
176 104.6 0.0 214.6

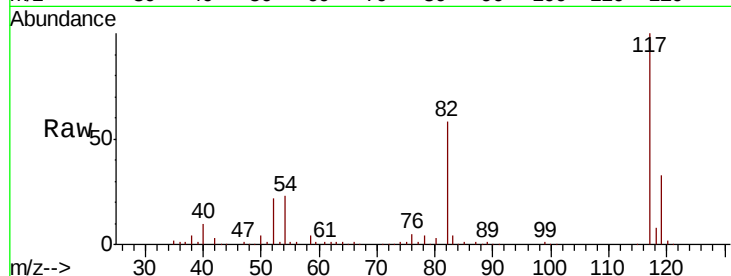




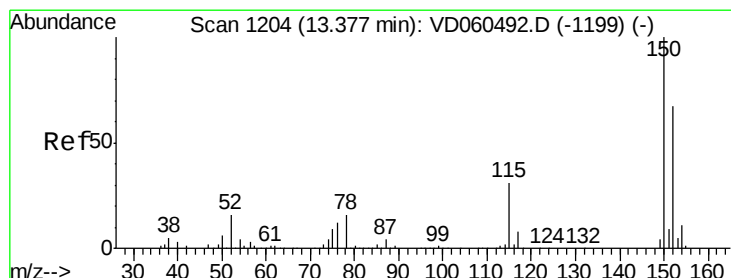
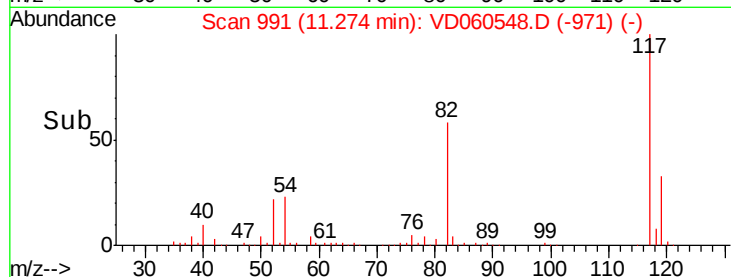
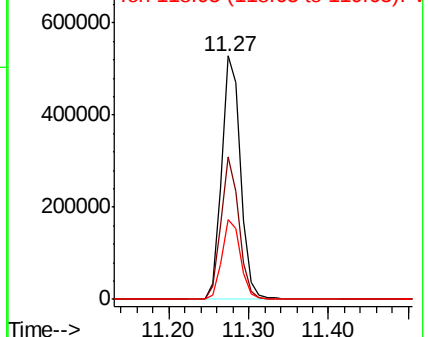
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
RBR-200027

Tot Ion:117 Resp: 890471
Ion Ratio Lower Upper
117 100
82 58.3 45.2 67.8
119 32.6 26.1 39.1

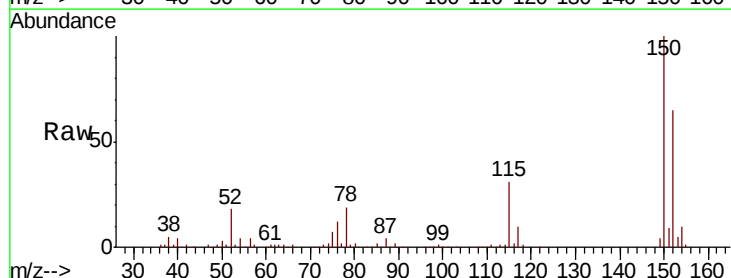


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

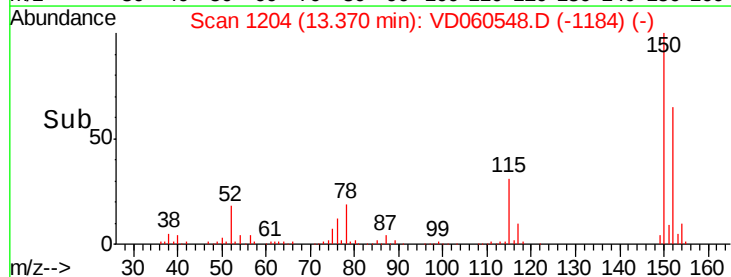
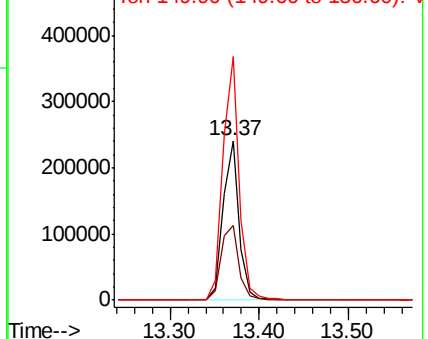


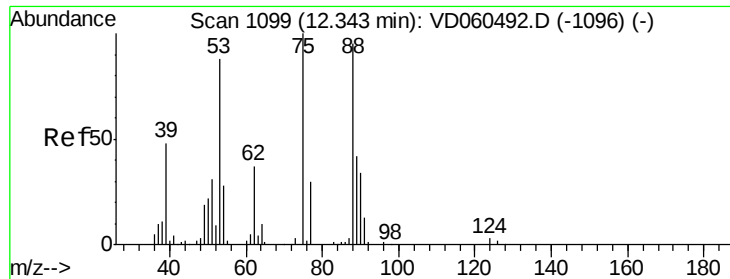
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

Tgt Ion:152 Resp: 306310
Ion Ratio Lower Upper
152 100
115 47.0 24.6 74.0
150 152.7 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

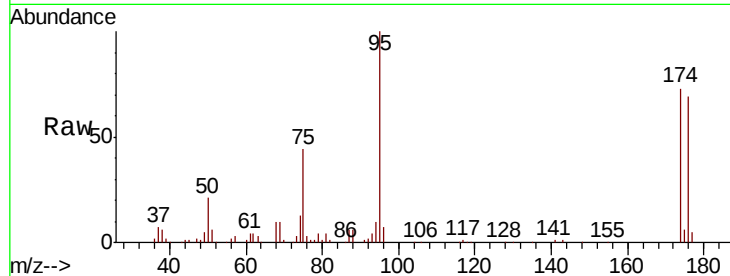




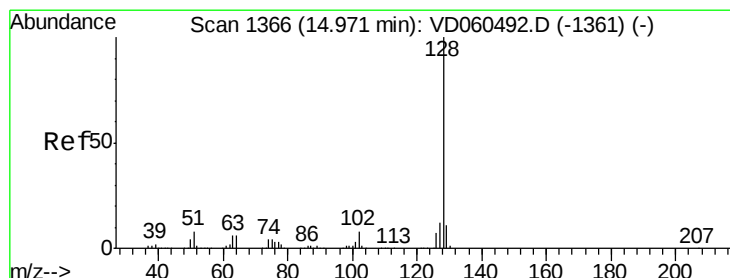
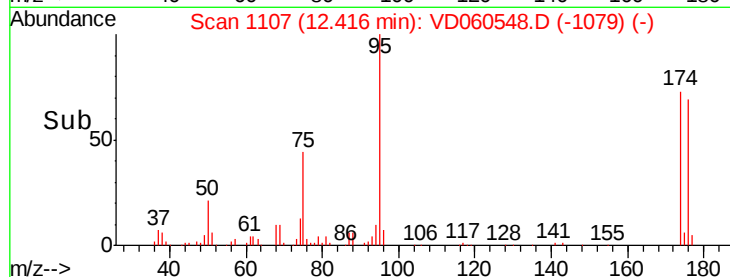
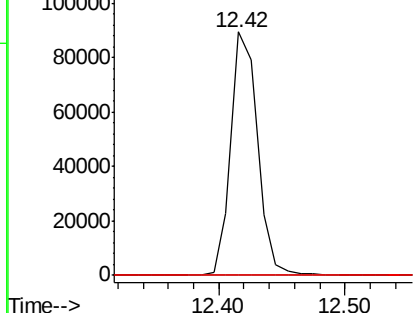
#81
trans-1,4-Dichloro-2-butene
Concen: 134.853 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.07 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
RBR-200027

Tot Ion: 75 Resp: 130536
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 33.6 50.4#

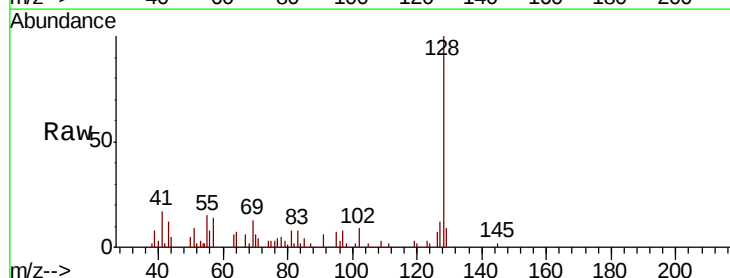


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 3.022 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060548.D
Acq: 12 Dec 2018 15:45

Tgt Ion:128 Resp: 23697
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 9.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

