

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121818\
 Data File : VD060621.D
 Acq On : 18 Dec 2018 15:13
 Operator : VA/AP
 Sample : J6464-01
 Misc : 4.57g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 290-RT4008-RBR251686

Quant Time: Dec 19 02:48:25 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	1531269	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1999269	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1217497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	388931	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	464709	42.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.64%	
35) Dibromofluoromethane	6.32	113	639887	43.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.14%	
50) Toluene-d8	9.45	98	1605683	37.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.56%	
62) 4-Bromofluorobenzene	12.42	95	385051	25.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	50.64%	

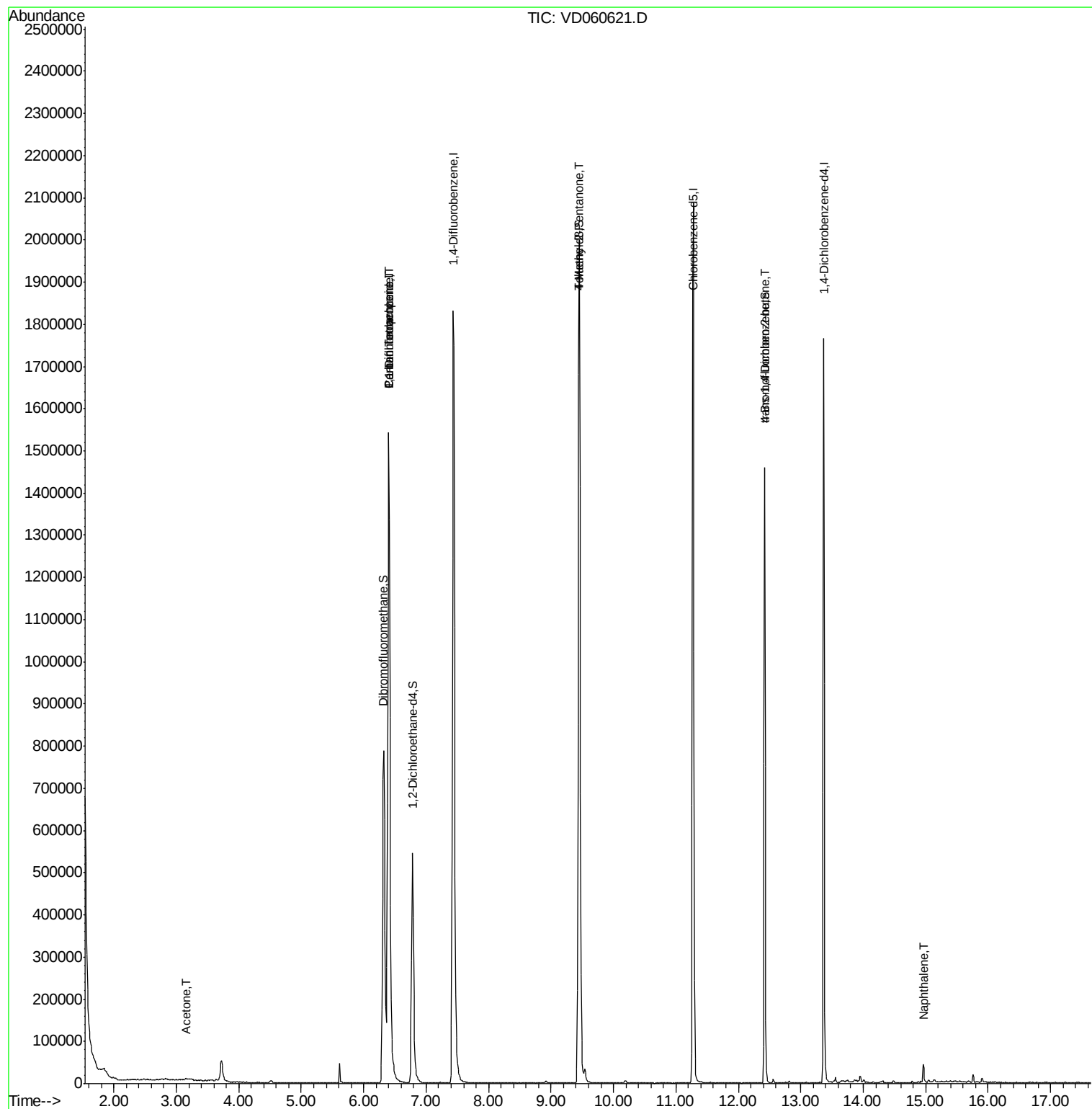
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	619	Below Cal	#	41
16) Acetone	3.15	43	12591	7.237	ug/l #	75
20) Methylene Chloride	3.72	84	31727	Below Cal		88
31) Cyclohexane	6.40	56	28629	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	106619	5.456	ug/l #	48
38) Carbon Tetrachloride	6.40	117	115743	6.597	ug/l #	16
51) 4-Methyl-2-Pentanone	9.45	43	9433	1.449	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.42	75	156847	127.613	ug/l #	14
89) n-Butylbenzene	13.64	91	932	Below Cal	#	85
95) Naphthalene	14.96	128	28428	2.856	ug/l	96

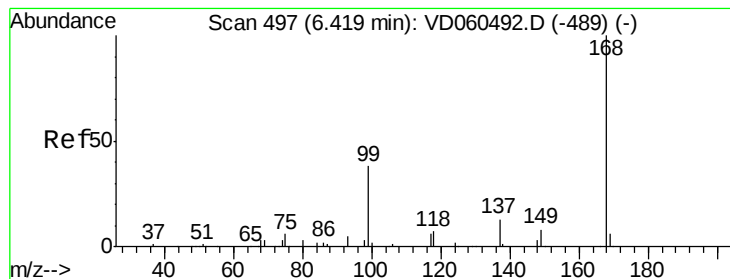
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121818\
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Quant Time: Dec 19 02:48:25 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# 495

Delta R.T. -0.02 min

Lab File: VD060621.D

Acq: 18 Dec 2018 15:13

Instrument :

MSVOA_D

ClientSampleId :

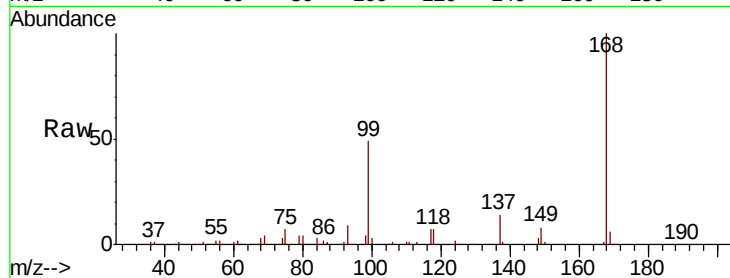
290-RT4008-RBR251686

Tot Ion:168 Resp: 1531269

Ion Ratio Lower Upper

168 100

99 48.6 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

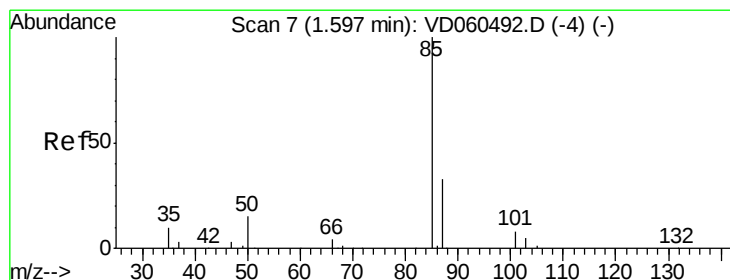
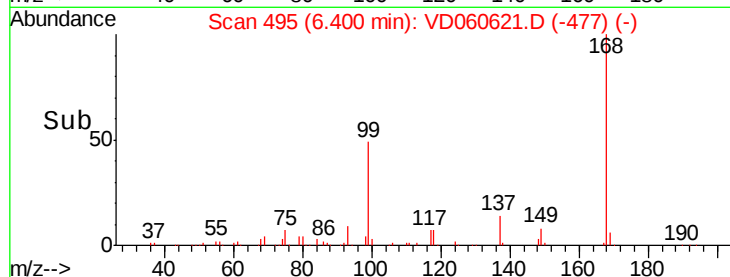
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060621.D

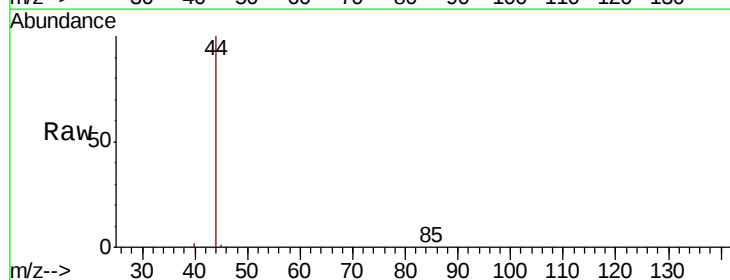
Acq: 18 Dec 2018 15:13

Tgt Ion: 85 Resp: 619

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

400

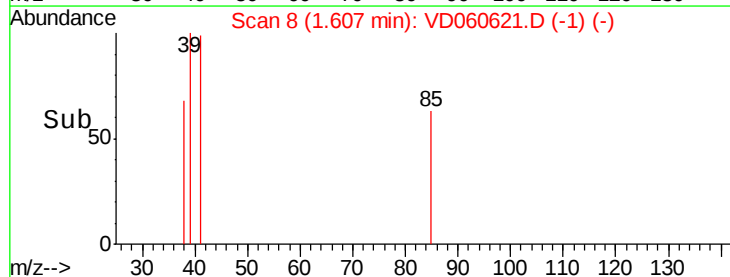
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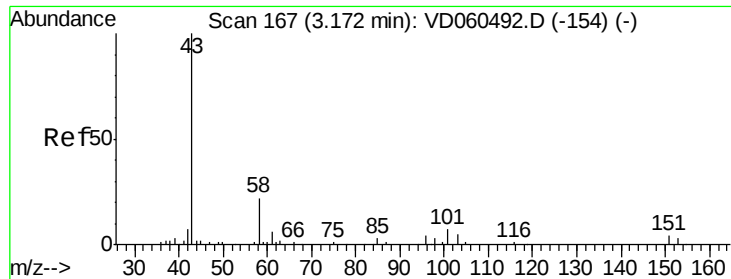
200

100

0

Time-->

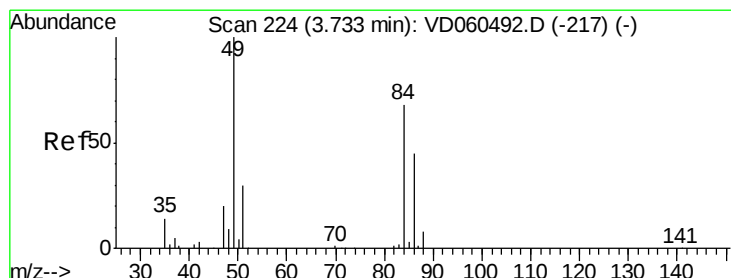
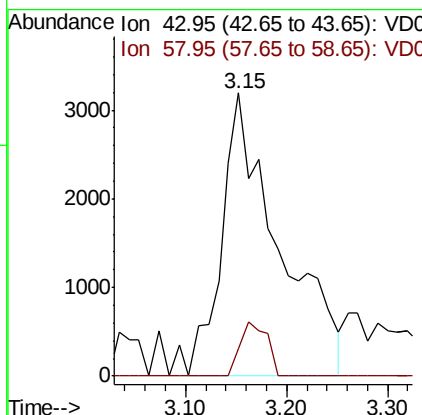
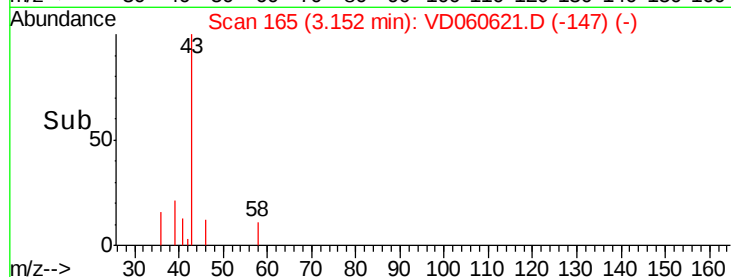
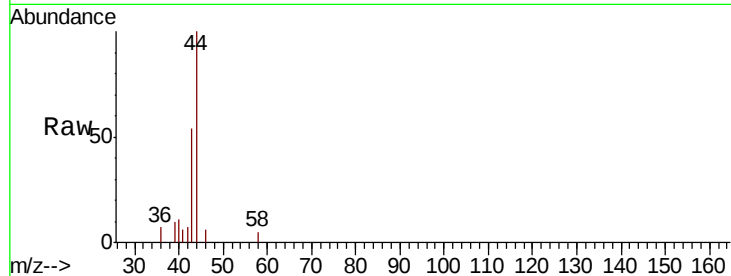




#16
Acetone
Concen: 7.237 ug/l
RT: 3.15 min Scan# 165
Delta R.T. -0.02 min
Lab File: VD060621.D
Acq: 18 Dec 2018 15:13

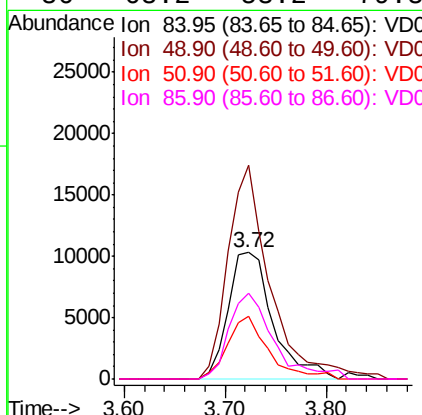
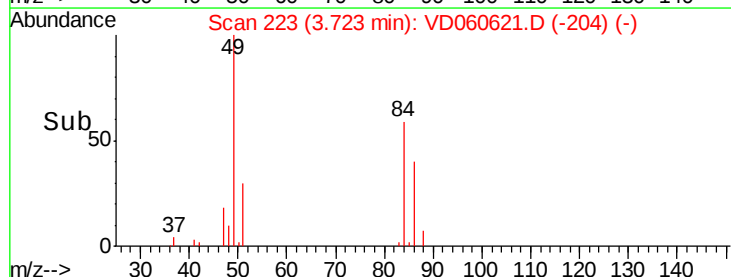
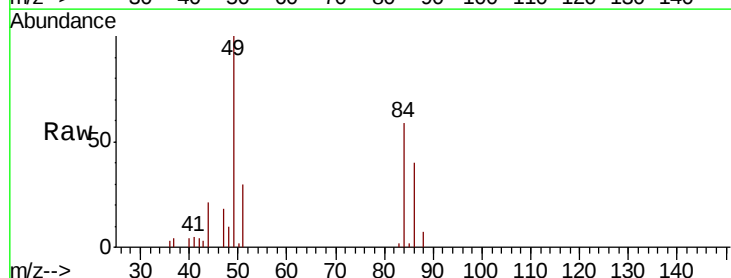
Instrument :
MSVOA_D
ClientSampleId :
290-RT4008-RBR251686

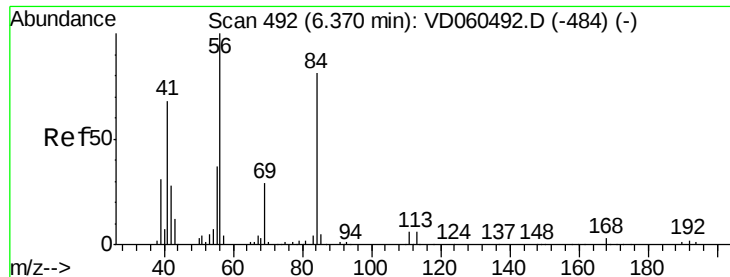
Tot Ion: 43 Resp: 12591
Ion Ratio Lower Upper
43 100
58 9.7 17.3 25.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060621.D
Acq: 18 Dec 2018 15:13

Tgt Ion: 84 Resp: 31727
Ion Ratio Lower Upper
84 100
49 169.0 117.2 175.8
51 50.1 35.3 52.9
86 68.2 53.2 79.8

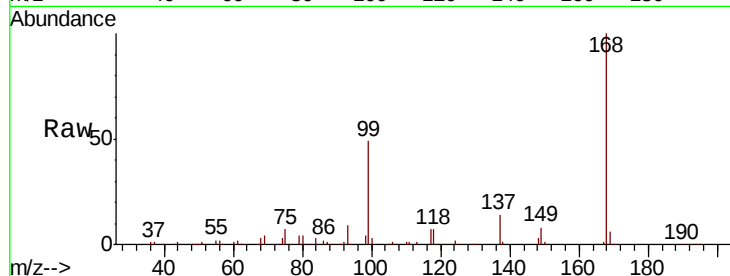




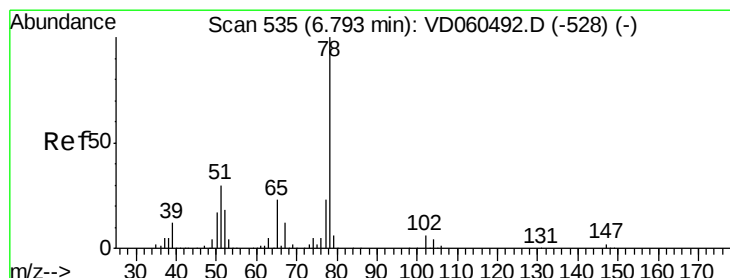
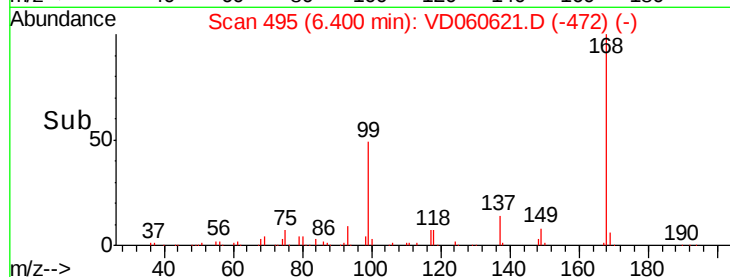
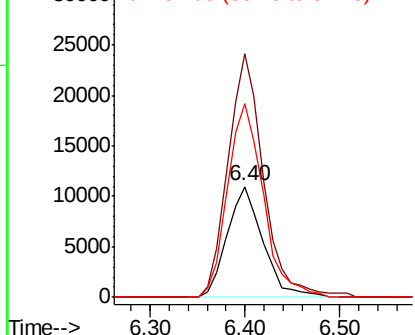
#31
Cyclohexane
Concen: Below Cal
RT: 6.40 min Scan# 495
Delta R.T. 0.03 min
Lab File: VD060621.D
Acq: 18 Dec 2018 15:13

Instrument :
MSVOA_D
ClientSampleId :
290-RT4008-RBR251686

Tot Ion: 56 Resp: 28629
Ion Ratio Lower Upper
56 100
69 219.1 22.8 34.2#
84 174.1 65.1 97.7#

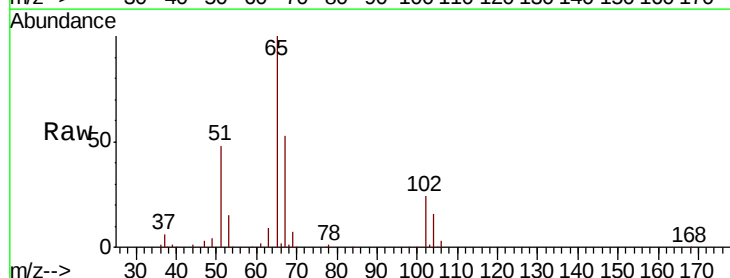


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

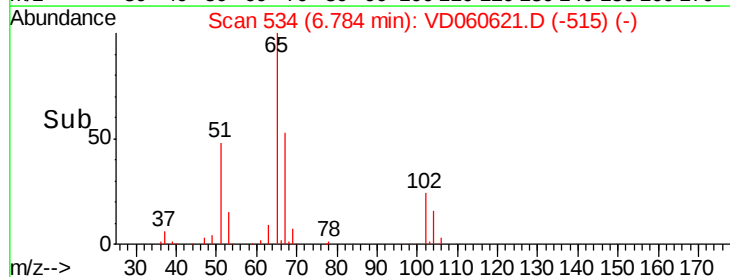
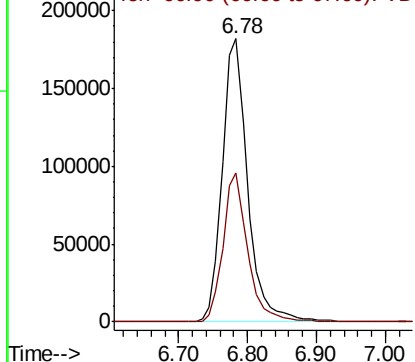


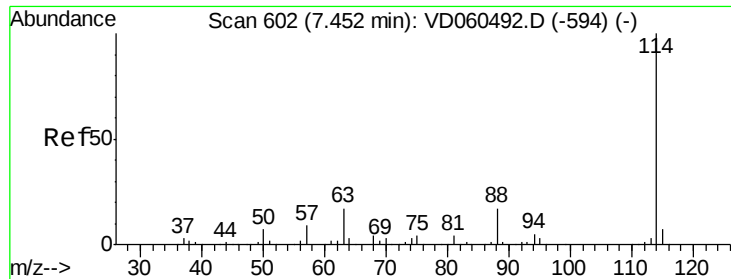
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.01 min
Lab File: VD060621.D
Acq: 18 Dec 2018 15:13

Tgt Ion: 65 Resp: 464709
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8



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

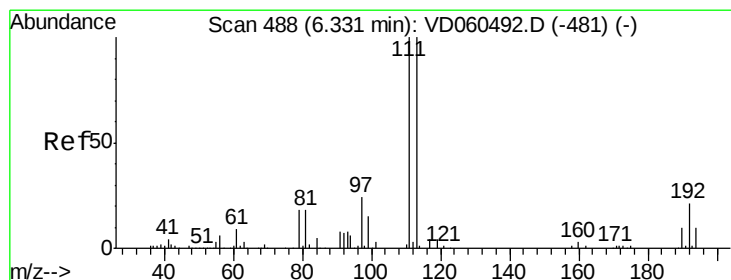
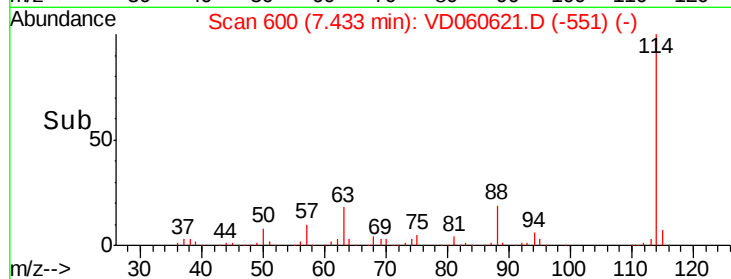
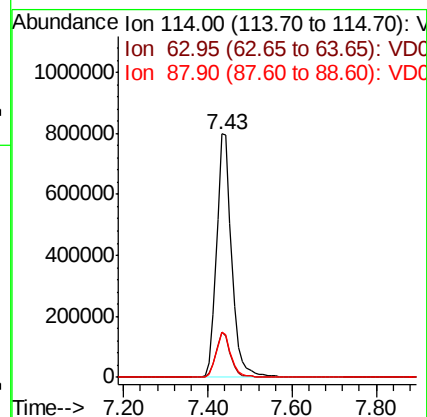
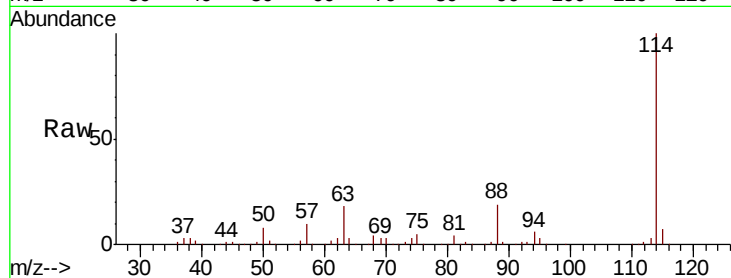




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: VD060621.D
 Acq: 18 Dec 2018 15:13

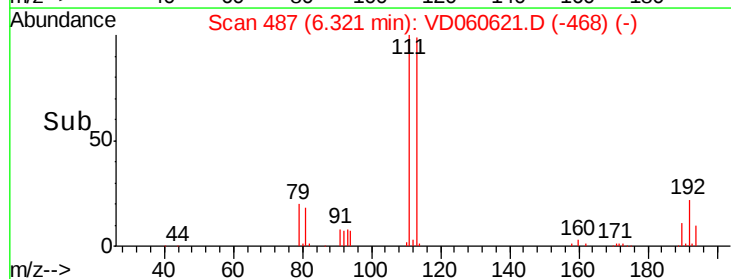
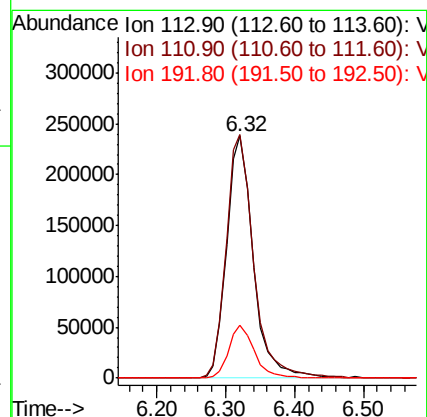
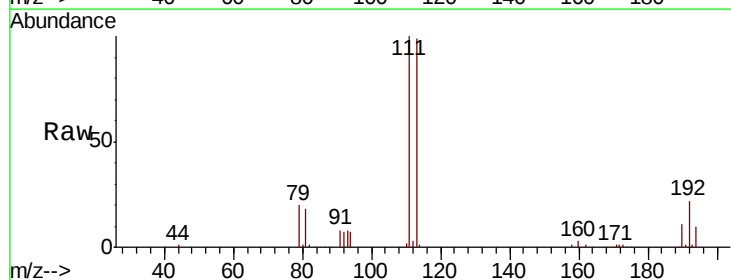
Instrument :
 MSVOA_D
 ClientSampleId :
 290-RT4008-RBR251686

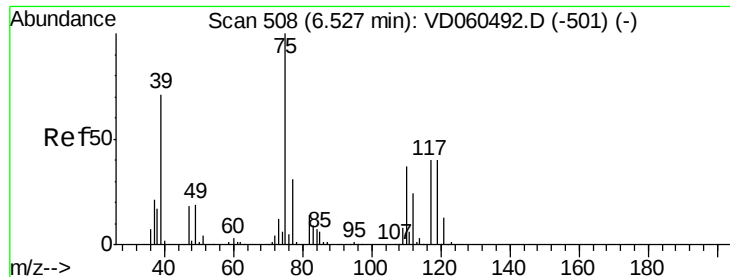
Tot Ion:114 Resp: 1999269
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.2
 88 18.6 0.0 35.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VD060621.D
 Acq: 18 Dec 2018 15:13

Tgt Ion:113 Resp: 639887
 Ion Ratio Lower Upper
 113 100
 111 100.7 80.2 120.4
 192 21.8 16.6 24.8





#36

1,1-Dichloropropene

Concen: 5.456 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.13 min

Lab File: VD060621.D

Acq: 18 Dec 2018 15:13

Instrument :

MSVOA_D

ClientSampleId :

290-RT4008-RBR251686

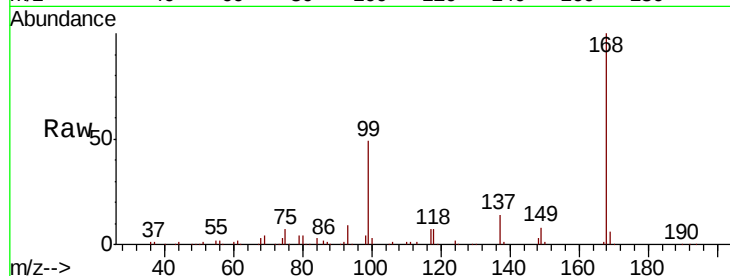
Tot Ion: 75 Resp: 106619

Ion Ratio Lower Upper

75 100

110 7.3 18.3 54.8#

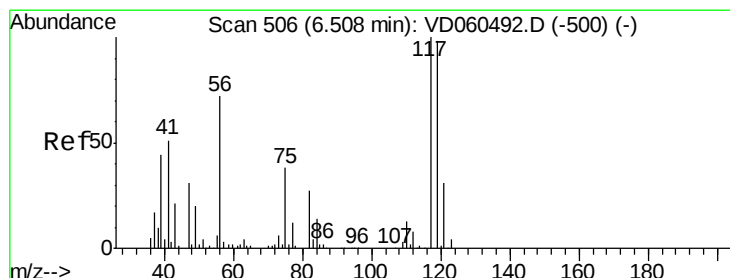
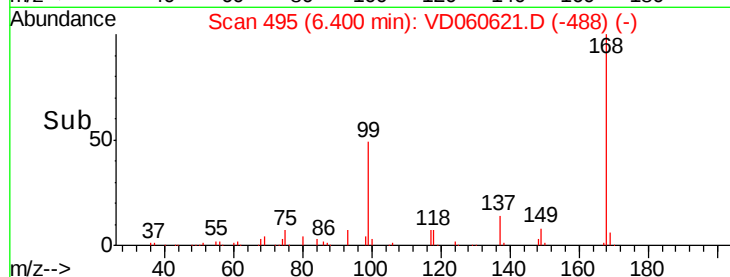
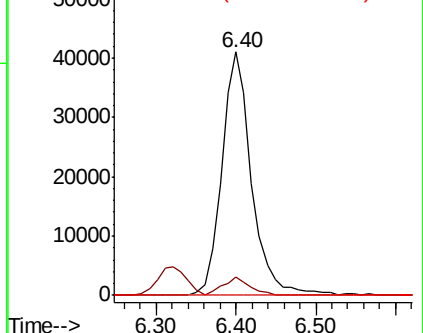
77 0.0 24.6 37.0#



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: 6.597 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.11 min

Lab File: VD060621.D

Acq: 18 Dec 2018 15:13

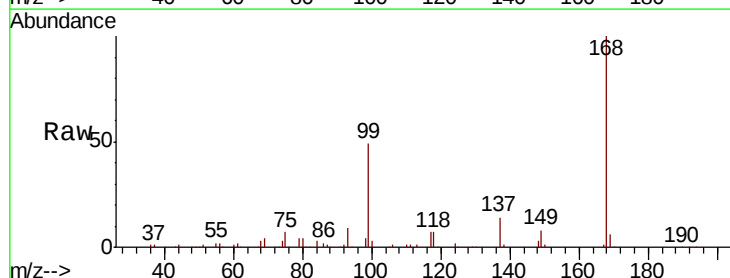
Tgt Ion: 117 Resp: 115743

Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

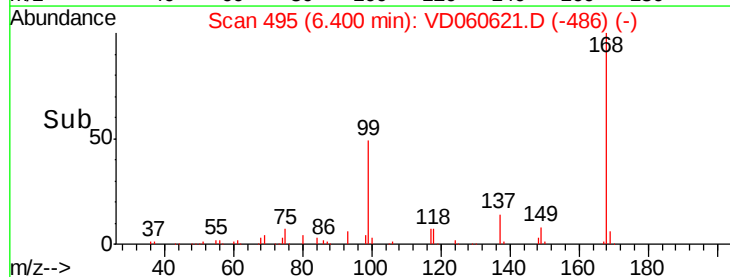
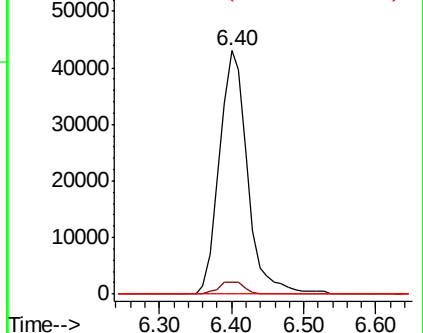
121 0.0 24.4 36.6#

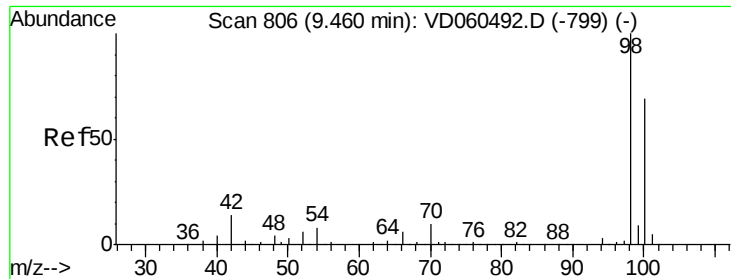


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD060621.D

Acq: 18 Dec 2018 15:13

Instrument :

MSVOA_D

ClientSampleId :

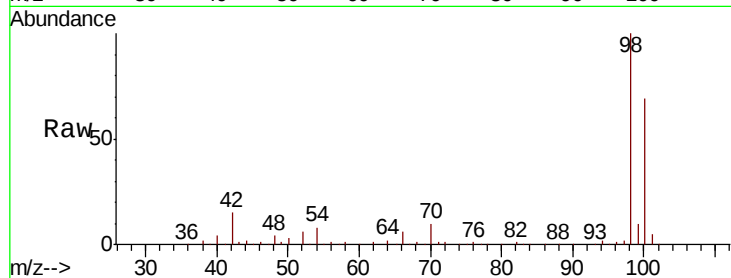
290-RT4008-RBR251686

Tot Ion: 98 Resp: 1605683

Ion Ratio Lower Upper

98 100

100 69.3 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

800000

600000

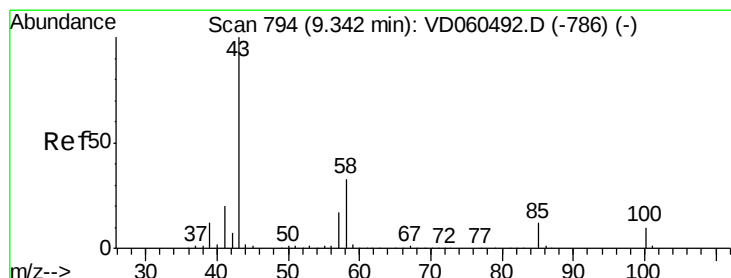
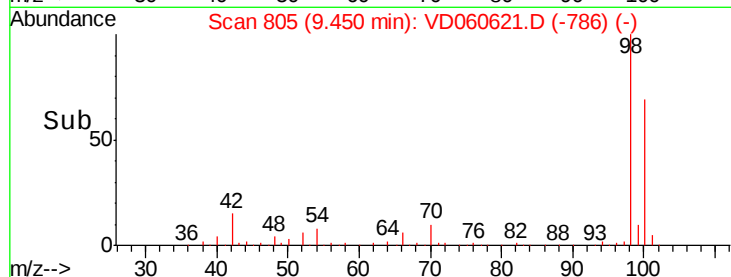
400000

200000

0

9.30 9.40 9.50 9.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.449 ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.11 min

Lab File: VD060621.D

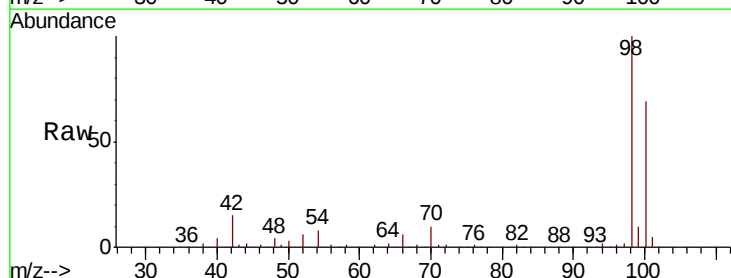
Acq: 18 Dec 2018 15:13

Tgt Ion: 43 Resp: 9433

Ion Ratio Lower Upper

43 100

58 119.7 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

6000

5000

4000

3000

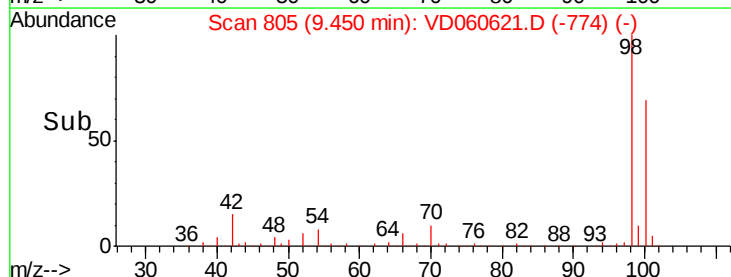
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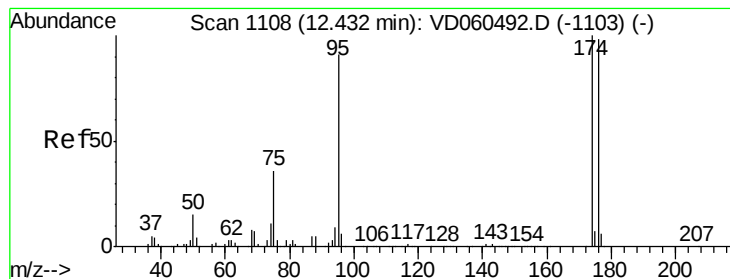
1000

0

9.40 9.45 9.50

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060621.D

Acq: 18 Dec 2018 15:13

Instrument :

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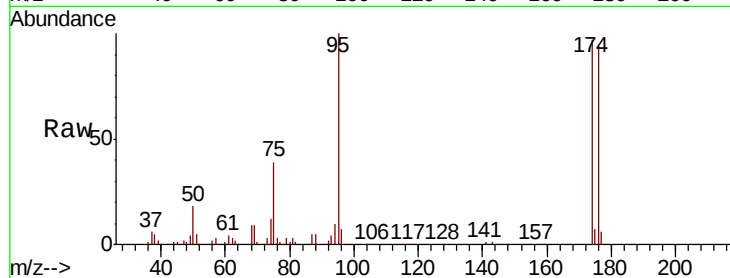
Tot Ion: 95 Resp: 385051

Ion Ratio Lower Upper

95 100

174 97.2 0.0 219.4

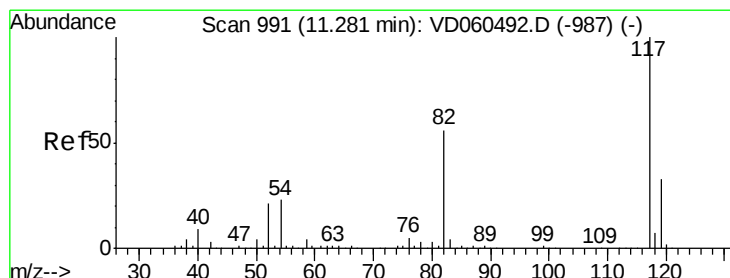
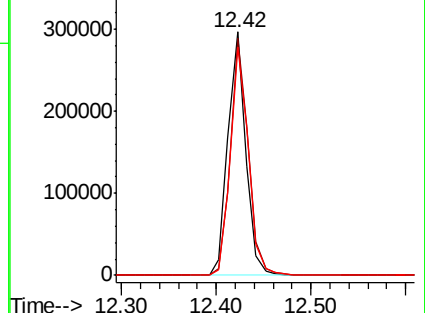
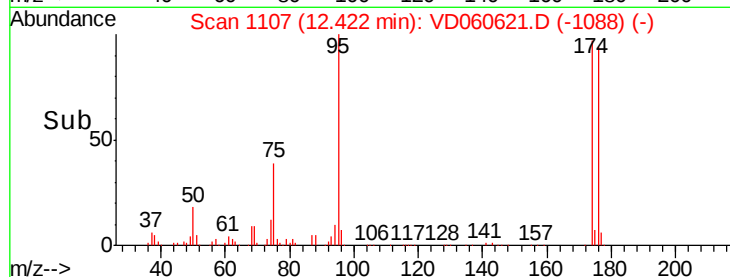
176 93.8 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD060621.D

Acq: 18 Dec 2018 15:13

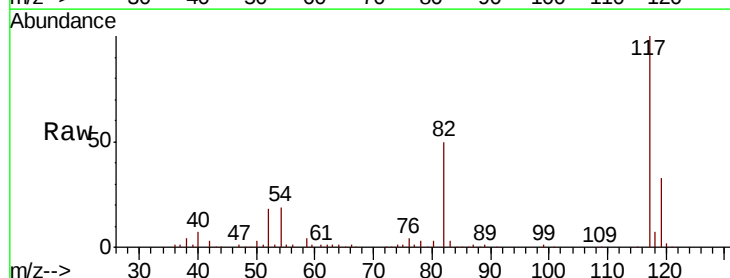
Tgt Ion: 117 Resp: 1217497

Ion Ratio Lower Upper

117 100

82 49.6 45.2 67.8

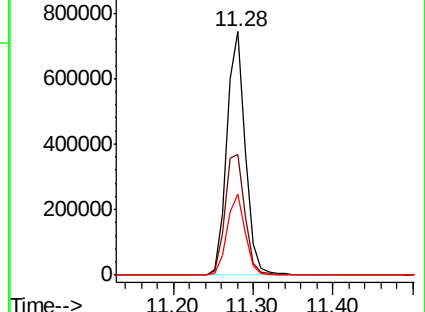
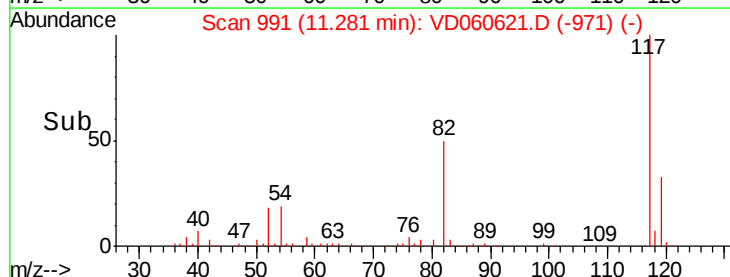
119 33.2 26.1 39.1

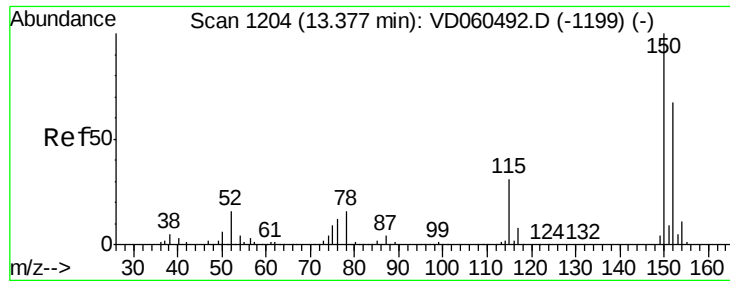


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060621.D

Acq: 18 Dec 2018 15:13

Instrument :

MSVOA_D

ClientSampleId :

290-RT4008-RBR251686

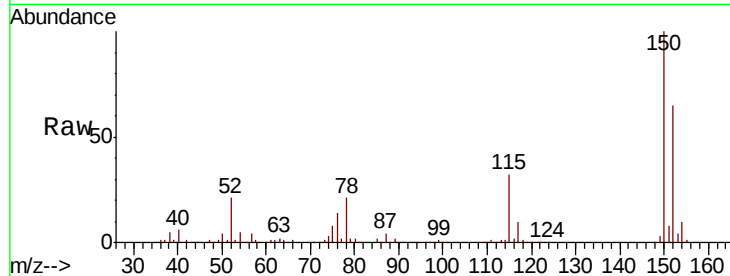
Tot Ion:152 Resp: 388931

Ion Ratio Lower Upper

152 100

115 50.0 24.6 74.0

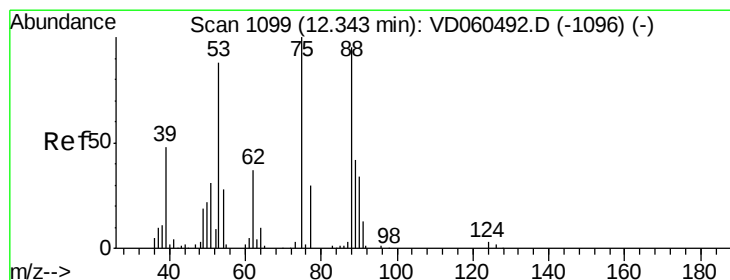
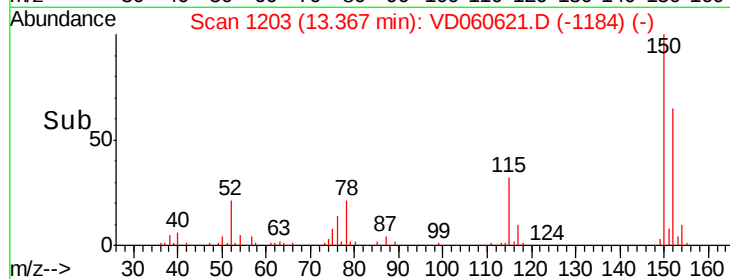
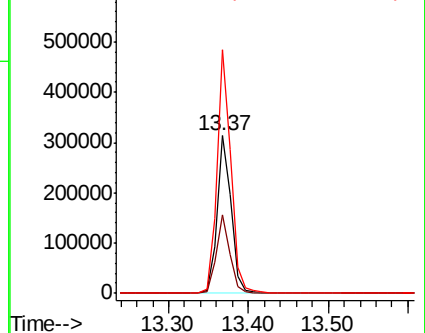
150 154.5 0.0 309.0



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: 127.613 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060621.D

Acq: 18 Dec 2018 15:13

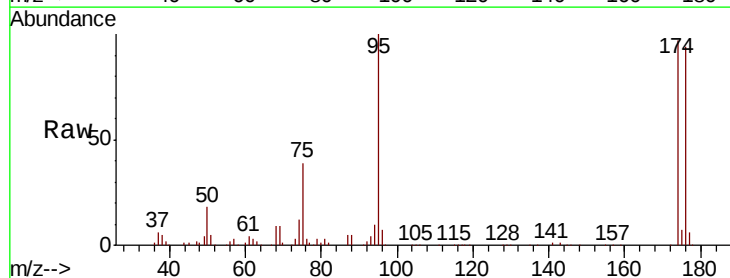
Tgt Ion: 75 Resp: 156847

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

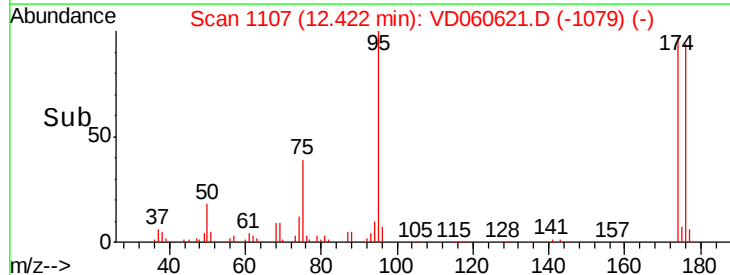
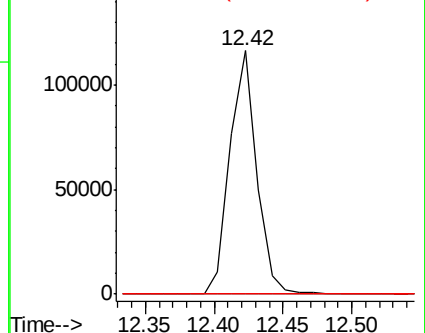
89 0.0 33.6 50.4#

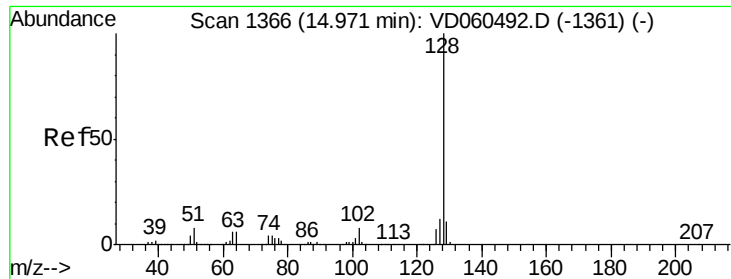


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 2.856 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD060621.D

Acq: 18 Dec 2018 15:13

Instrument :

MSVOA_D

ClientSampleId :

290-RT4008-RBR251686

Tot Ion:128 Resp: 28428

Ion Ratio Lower Upper

128 100

127 10.9 9.8 14.8

129 12.7 8.6 13.0

