

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121018\
 Data File : VD060516.D
 Acq On : 10 Dec 2018 10:57
 Operator : VA/AP
 Sample : VD1210SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBL01

Quant Time: Dec 11 06:45:02 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	6.41	168	1639764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2264822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1811331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	869066	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	628183	54.05	ug/l	0.00
Spiked Amount						
			Recovery	=	108.10%	
35) Dibromofluoromethane	6.33	113	914466	54.97	ug/l	0.00
Spiked Amount						
			Recovery	=	109.94%	
50) Toluene-d8	9.45	98	2718705	56.47	ug/l	0.00
Spiked Amount						
			Recovery	=	112.94%	
62) 4-Bromofluorobenzene	12.43	95	924879	53.69	ug/l	0.00
Spiked Amount						
			Recovery	=	107.38%	

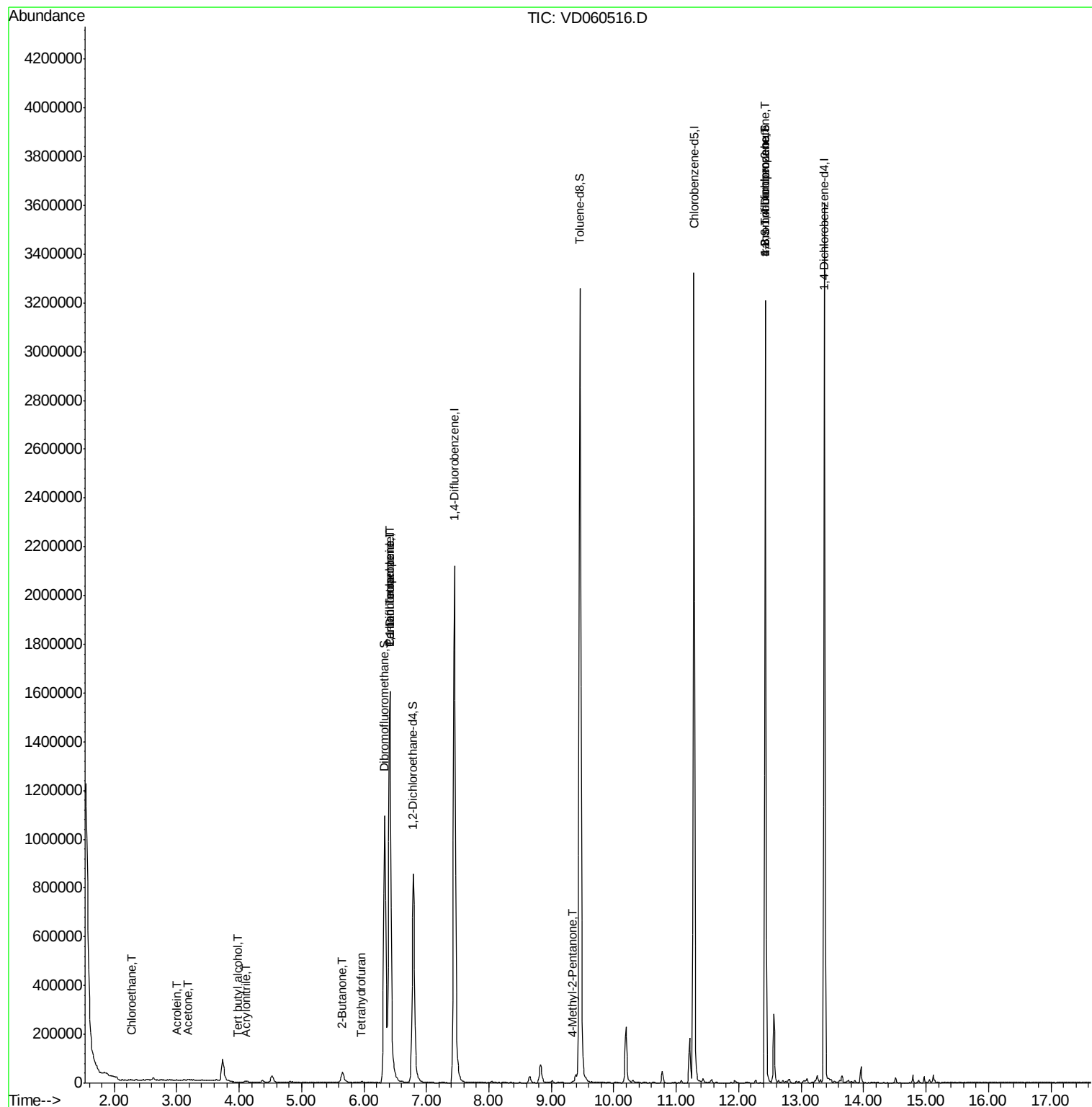
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	3489	Below Cal		81
6) Chloroethane	2.29	64	201	2.334	ug/l #	42
11) Tert butyl alcohol	3.97	59	1526	3.232	ug/l #	73
13) Acrolein	3.00	56	855	1.657	ug/l	89
15) Acrylonitrile	4.10	53	3661	1.365	ug/l #	79
16) Acetone	3.18	43	13077	7.019	ug/l #	86
20) Methylene Chloride	3.74	84	59966	Below Cal		94
25) 2-Butanone	5.64	43	6862	1.872	ug/l	93
29) Tetrahydrofuran	5.96	42	3712	1.788	ug/l #	61
31) Cyclohexane	6.40	56	32306	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	117200	5.294	ug/l #	47
38) Carbon Tetrachloride	6.41	117	128150	6.448	ug/l #	15
51) 4-Methyl-2-Pentanone	9.34	43	9577	1.299	ug/l	91
76) 1,2,3-Trichloropropane	12.43	75	288029	29.250	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	371161	135.145	ug/l #	14
89) n-Butylbenzene	13.66	91	6872	Below Cal		89

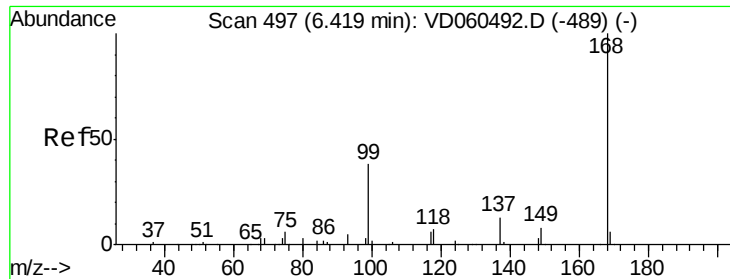
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 11 06:45:02 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



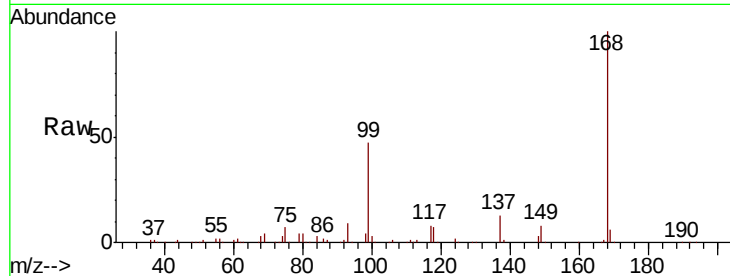


#1

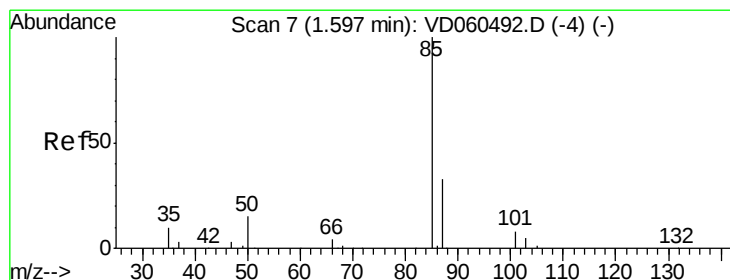
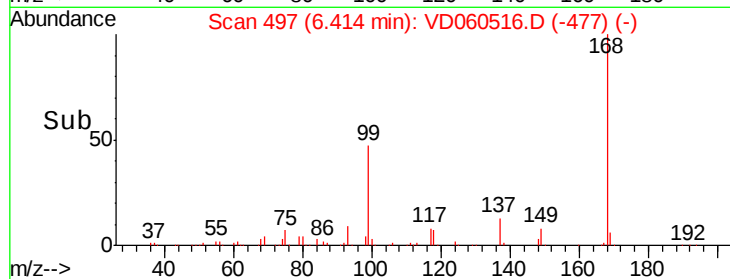
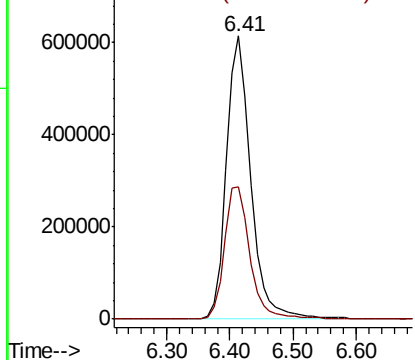
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD060516.D
 Acq: 10 Dec 2018 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBL01

Tot Ion:168 Resp: 1639764
 Ion Ratio Lower Upper
 168 100
 99 46.9 35.6 53.4



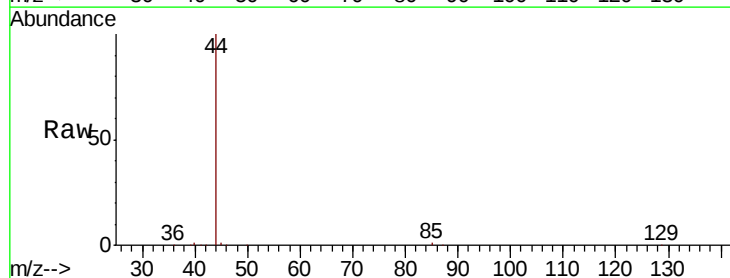
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



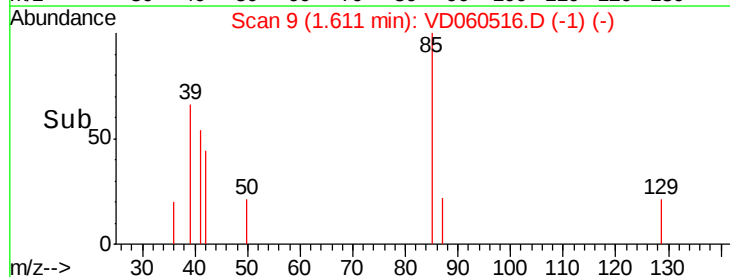
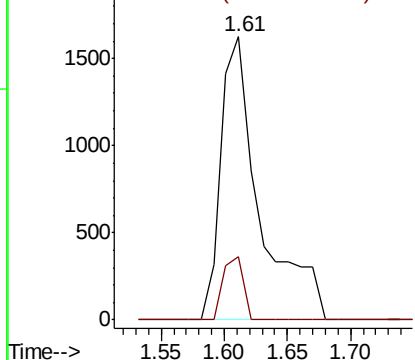
#2

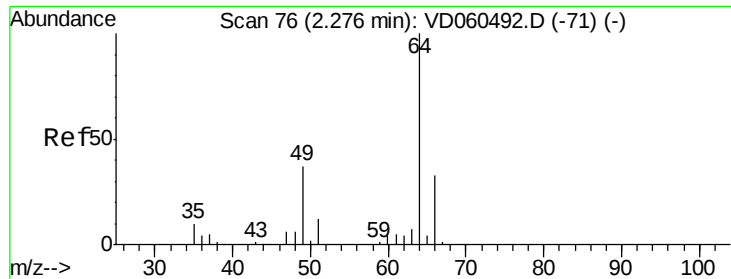
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.61 min Scan# 9
 Delta R.T. 0.01 min
 Lab File: VD060516.D
 Acq: 10 Dec 2018 10:57

Tgt Ion: 85 Resp: 3489
 Ion Ratio Lower Upper
 85 100
 87 22.3 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC
 Ion 86.90 (86.60 to 87.60): VDC





#6

Chloroethane

Concen: 2.334 ug/l

RT: 2.29 min Scan# 78

Delta R.T. 0.01 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

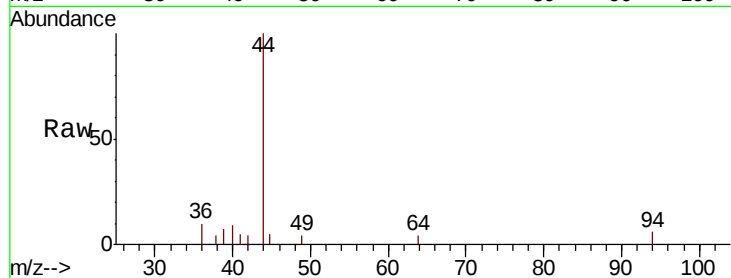
VD1210SBL01

Tot Ion: 64 Resp: 201

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.29

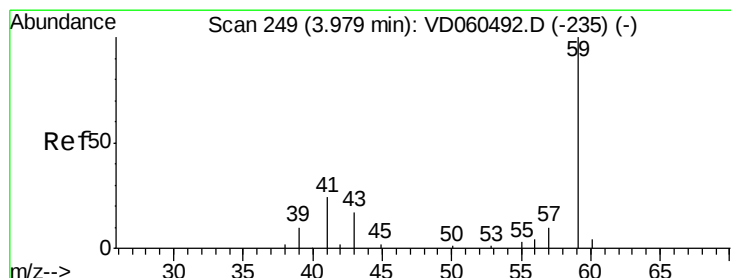
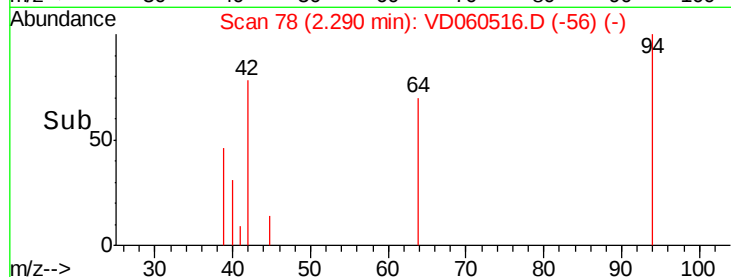
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 3.232 ug/l

RT: 3.97 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060516.D

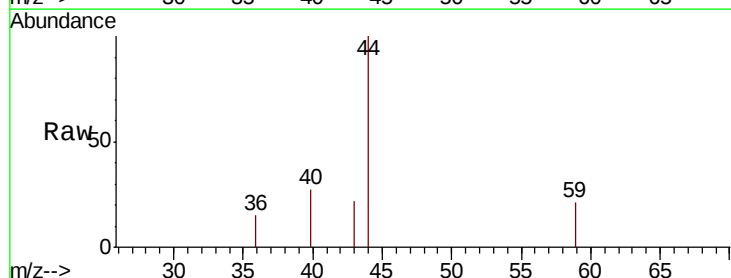
Acq: 10 Dec 2018 10:57

Tgt Ion: 59 Resp: 1526

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

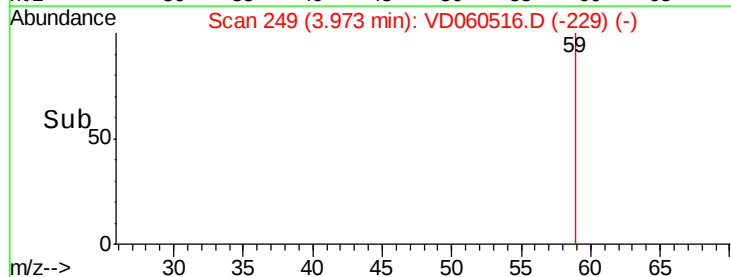
600

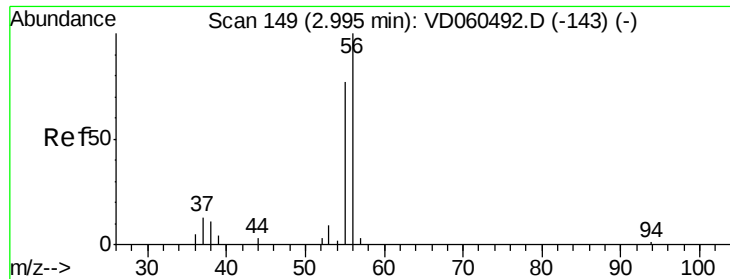
400

200

0

Time-->





#13

Acrolein

Concen: 1.657 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

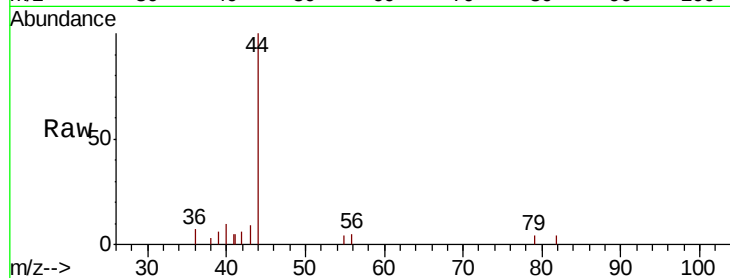
VD1210SBL01

Tot Ion: 56 Resp: 855

Ion Ratio Lower Upper

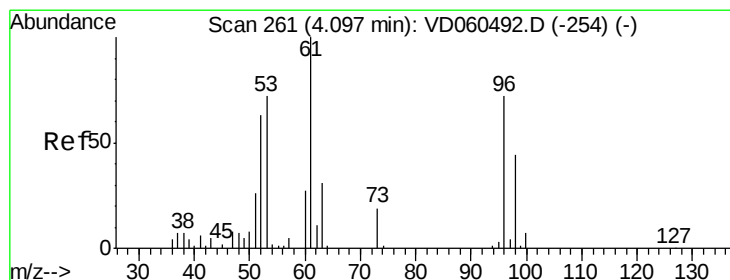
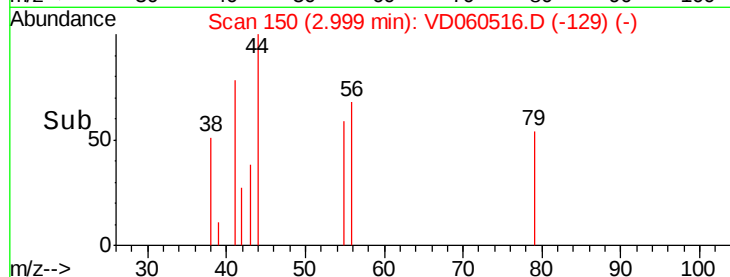
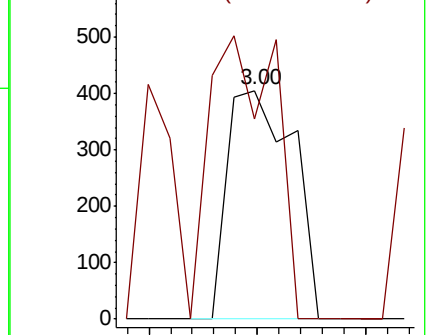
56 100

55 87.4 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 1.365 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

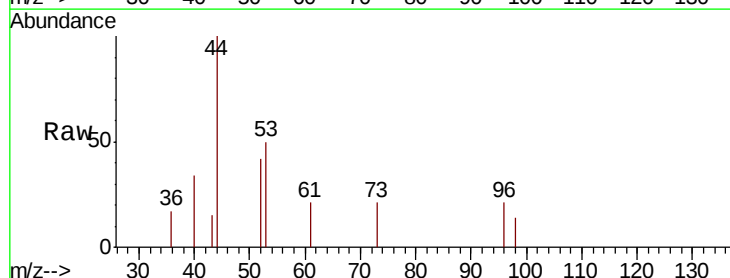
Tgt Ion: 53 Resp: 3661

Ion Ratio Lower Upper

53 100

52 83.0 70.0 105.0

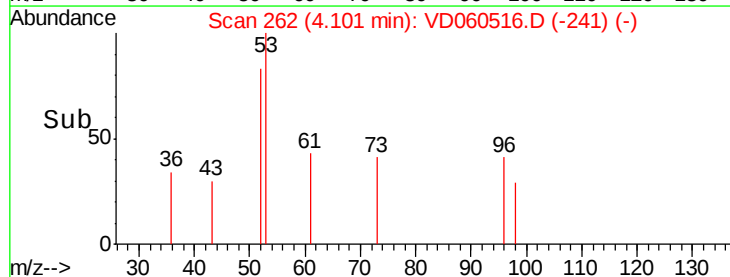
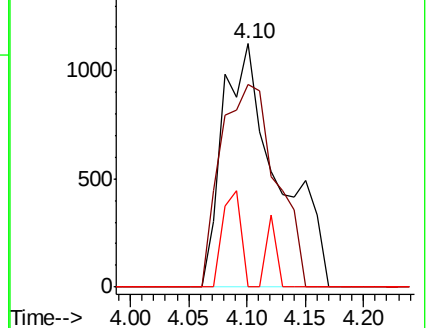
51 0.0 28.8 43.2#

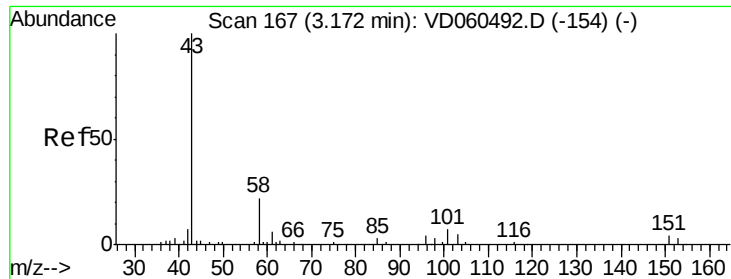


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC

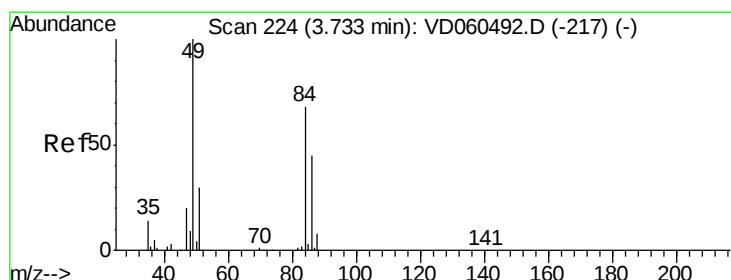
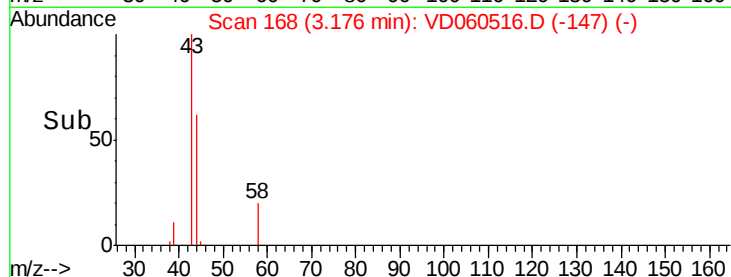
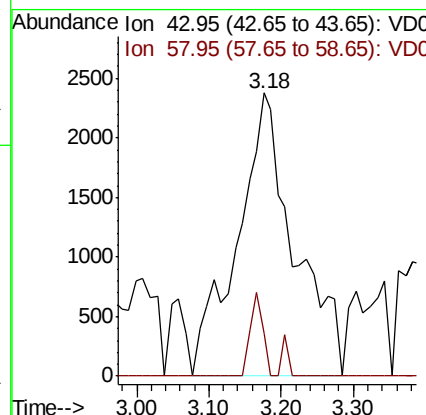
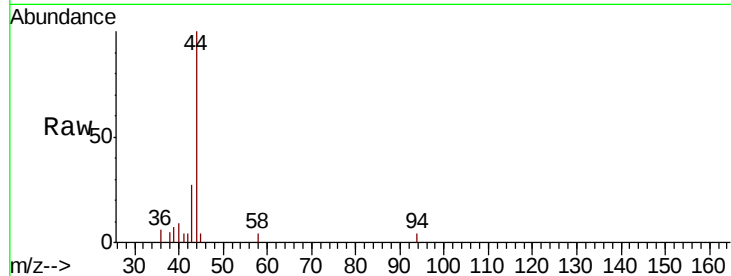




#16
Acetone
Concen: 7.019 ug/l
RT: 3.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VD060516.D
Acq: 10 Dec 2018 10:57

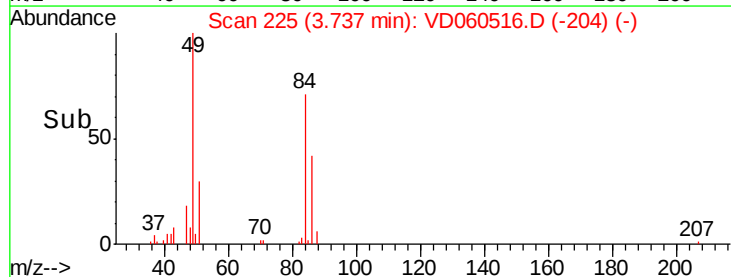
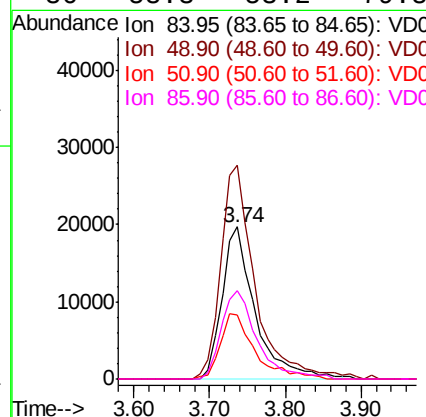
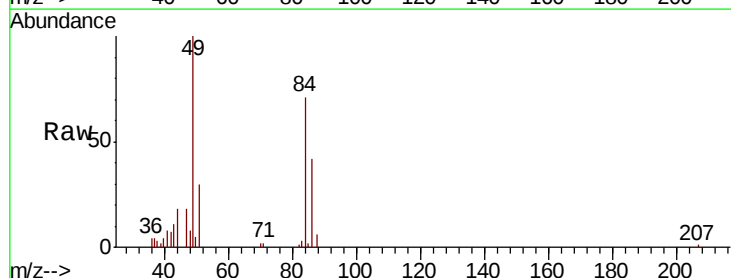
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBL01

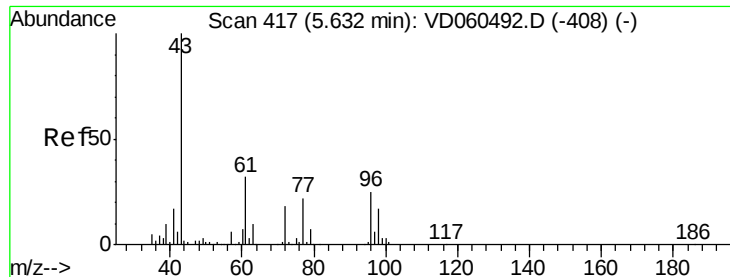
Tot Ion: 43 Resp: 13077
Ion Ratio Lower Upper
43 100
58 14.9 17.3 25.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060516.D
Acq: 10 Dec 2018 10:57

Tgt Ion: 84 Resp: 59966
Ion Ratio Lower Upper
84 100
49 140.2 117.2 175.8
51 42.0 35.3 52.9
86 58.3 53.2 79.8





#25

2-Butanone

Concen: 1.872 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

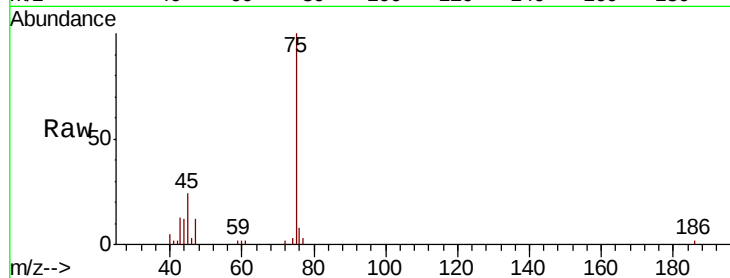
VD1210SBL01

Tot Ion: 43 Resp: 6862

Ion Ratio Lower Upper

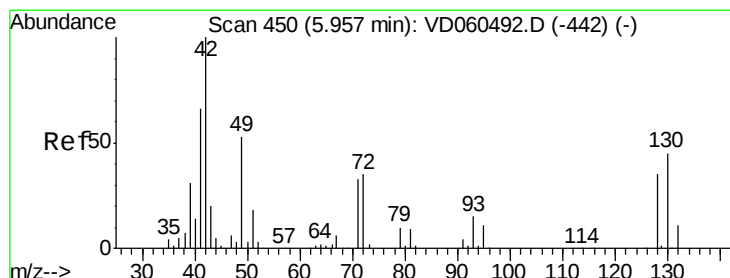
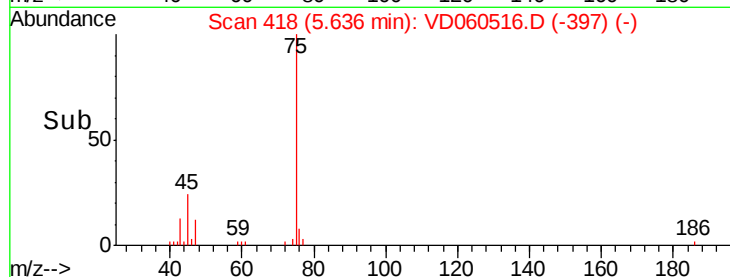
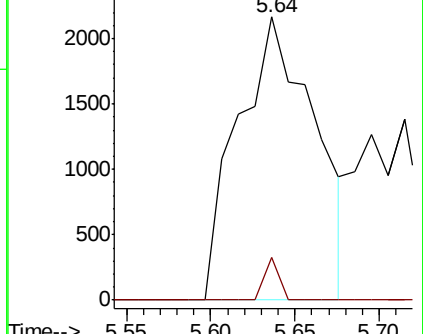
43 100

72 15.1 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: 1.788 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.00 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

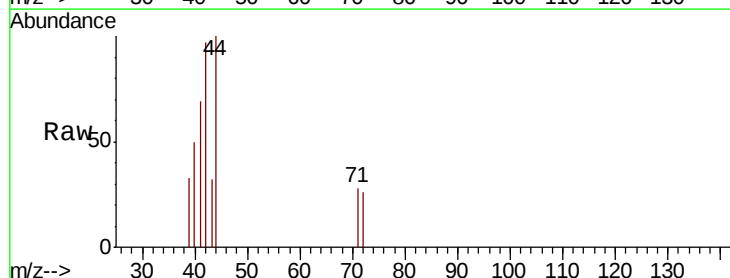
Tgt Ion: 42 Resp: 3712

Ion Ratio Lower Upper

42 100

72 11.7 28.0 42.0#

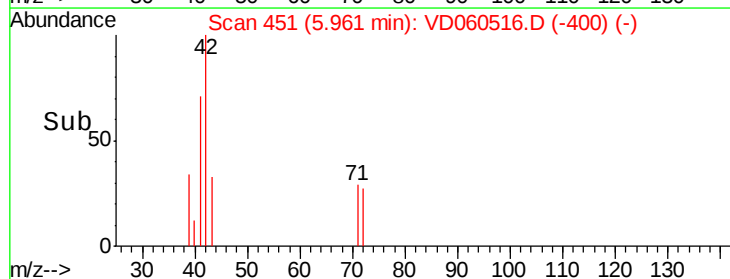
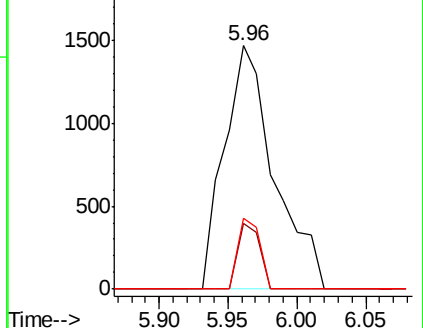
71 12.7 27.2 40.8#

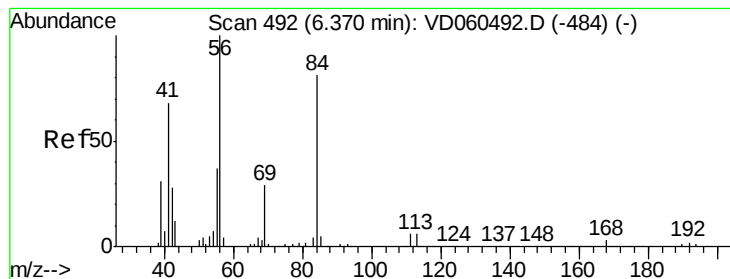


Abundance Ion 42.00 (41.70 to 42.70): VDC

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# 496

Delta R.T. 0.03 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBL01

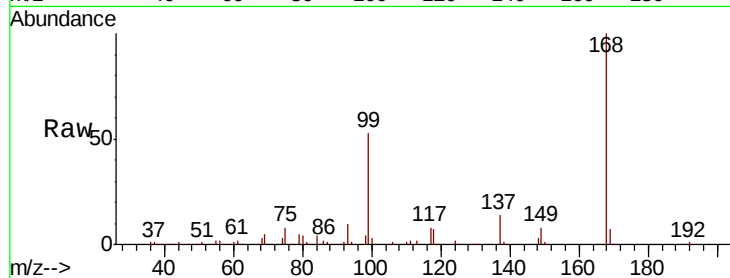
Tot Ion: 56 Resp: 32306

Ion Ratio Lower Upper

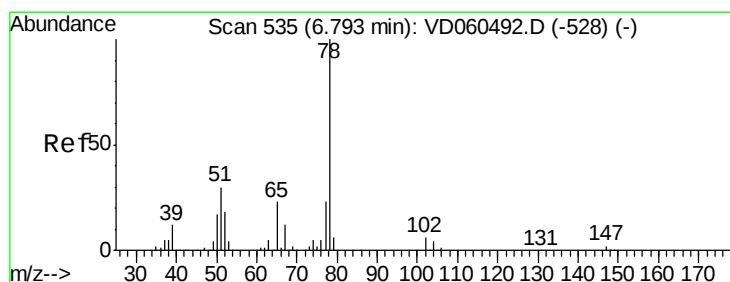
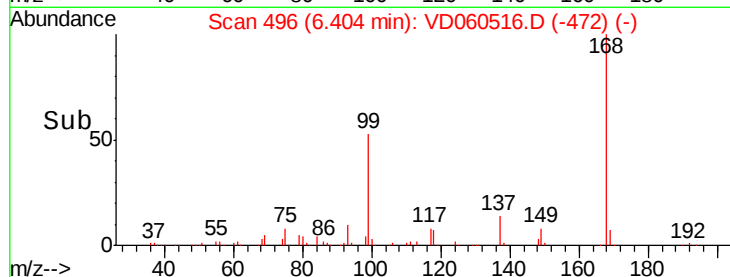
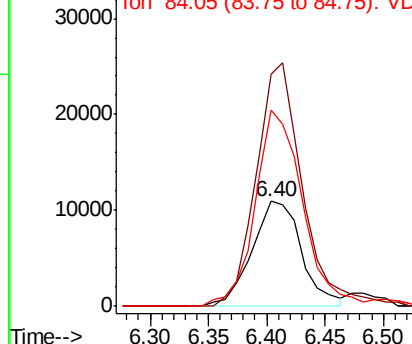
56 100

69 220.3 22.8 34.2#

84 186.9 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: Below ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060516.D

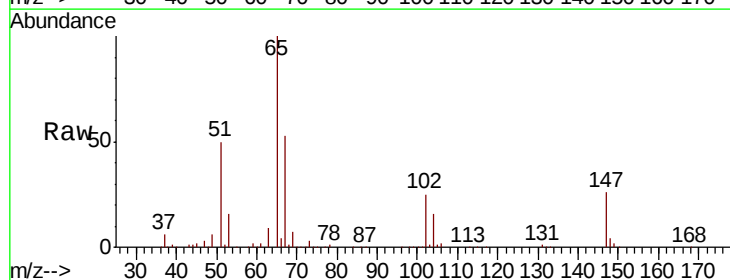
Acq: 10 Dec 2018 10:57

Tgt Ion: 65 Resp: 628183

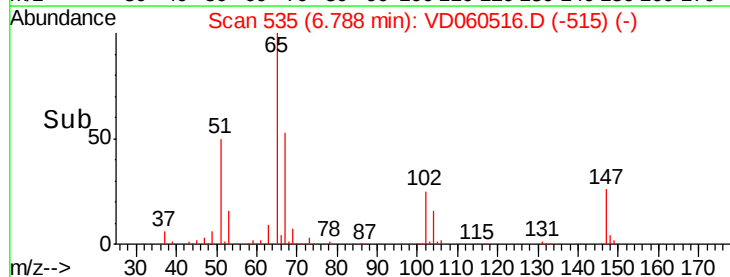
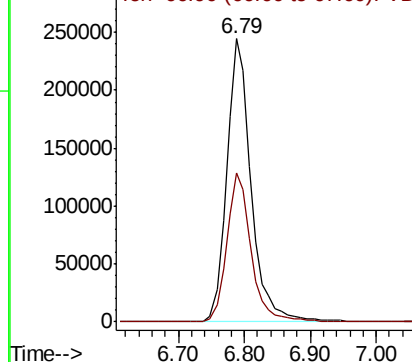
Ion Ratio Lower Upper

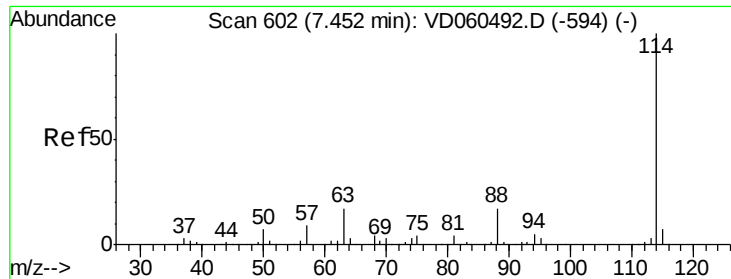
65 100

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

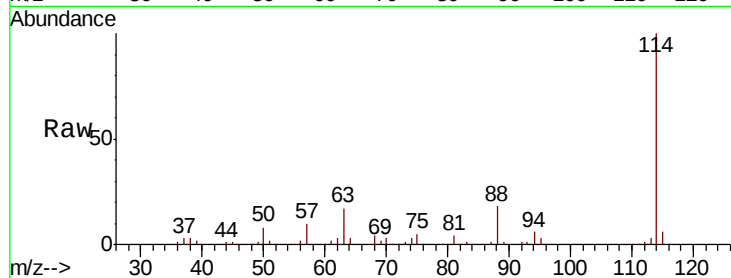




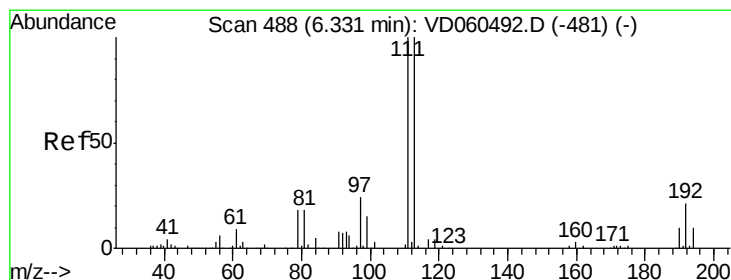
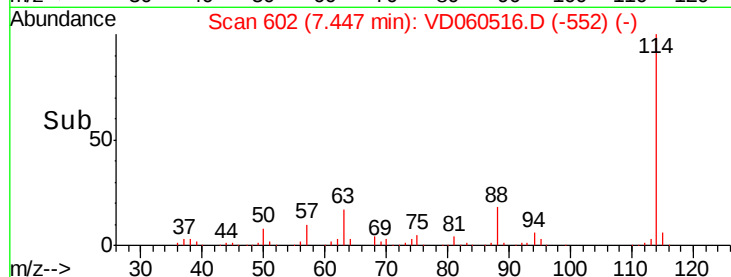
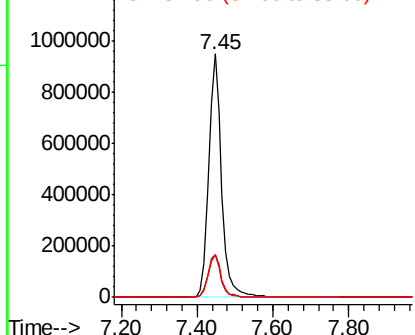
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060516.D
 Acq: 10 Dec 2018 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBL01

Tot Ion:114 Resp: 2264822
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.2
 88 17.6 0.0 35.0

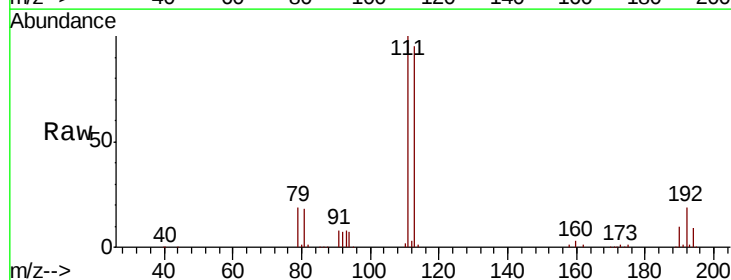


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

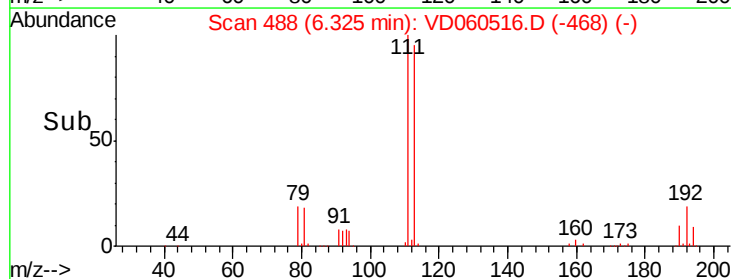
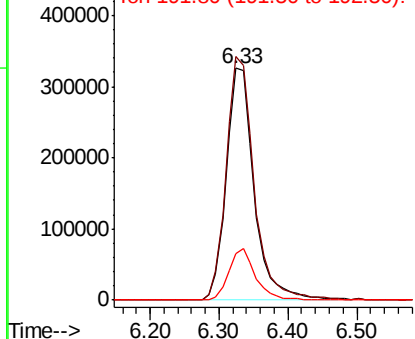


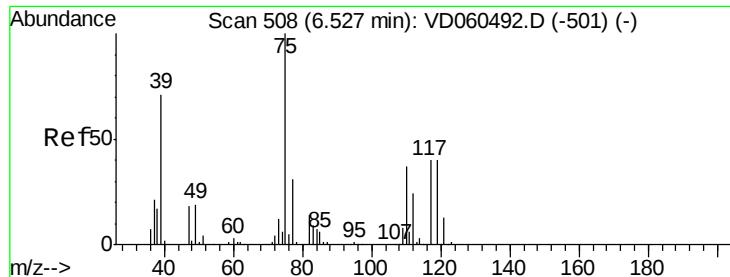
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060516.D
 Acq: 10 Dec 2018 10:57

Tgt Ion:113 Resp: 914466
 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

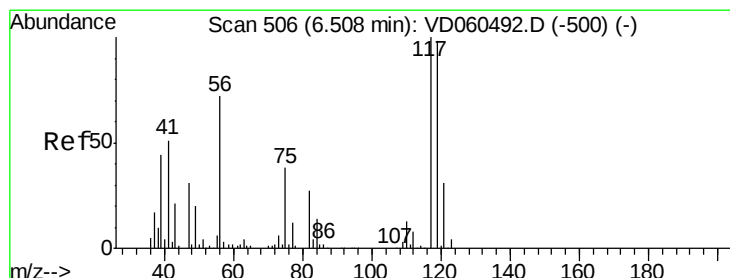
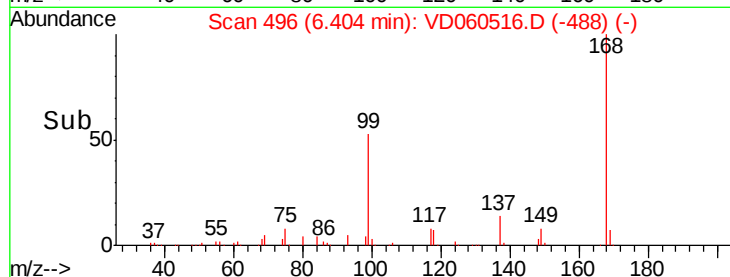
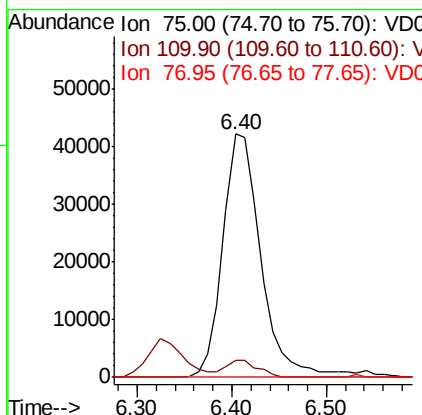
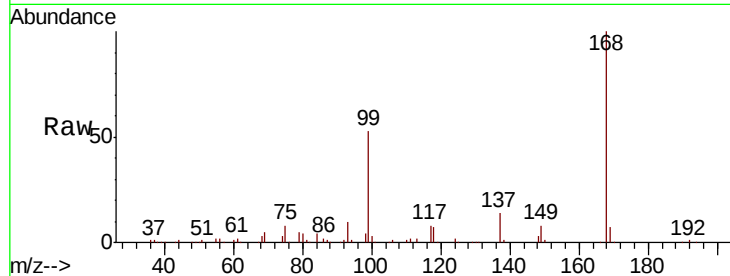




#36
 1,1-Dichloropropene
 Concen: 5.294 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.12 min
 Lab File: VD060516.D
 Acq: 10 Dec 2018 10:57

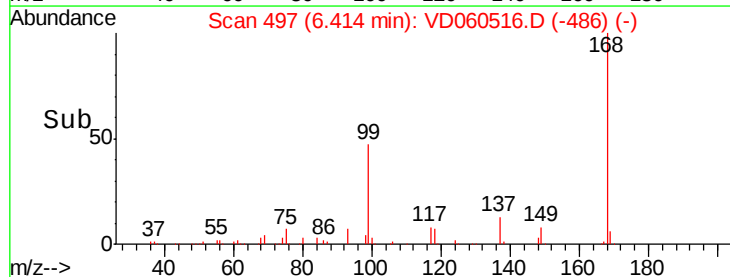
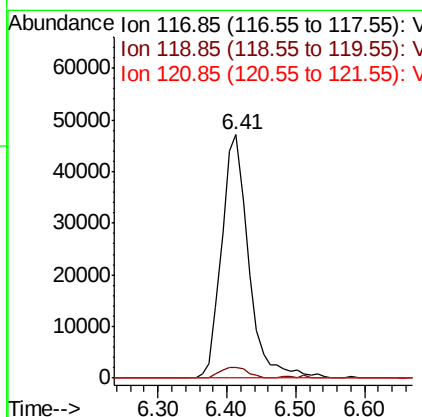
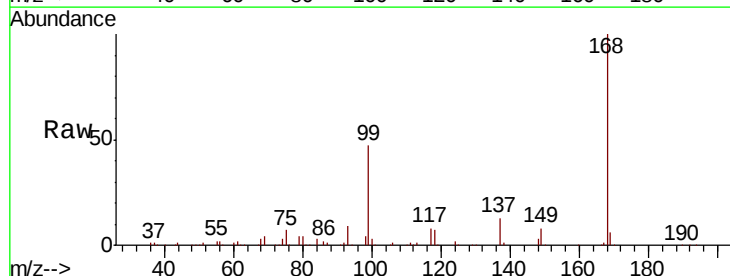
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBL01

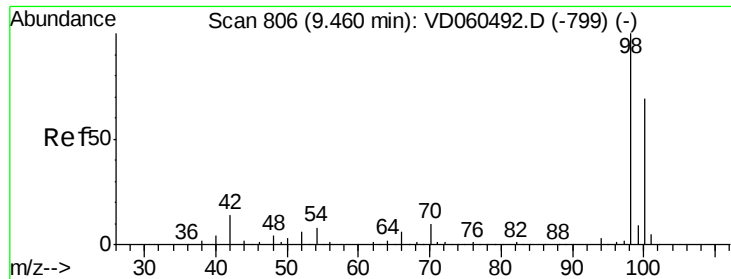
Tot Ion: 75 Resp: 117200
 Ion Ratio Lower Upper
 75 100
 110 7.2 18.3 54.8#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.448 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.09 min
 Lab File: VD060516.D
 Acq: 10 Dec 2018 10:57

Tgt Ion: 117 Resp: 128150
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.8 115.2#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

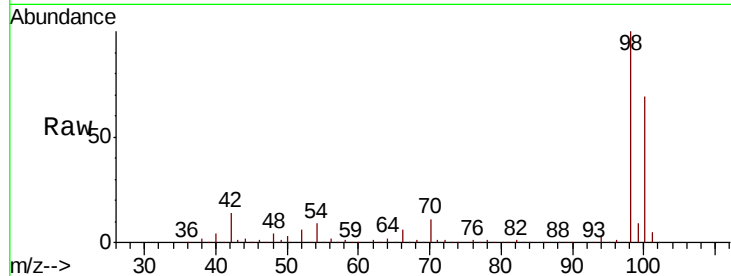
VD1210SBL01

Tot Ion: 98 Resp: 2718705

Ion Ratio Lower Upper

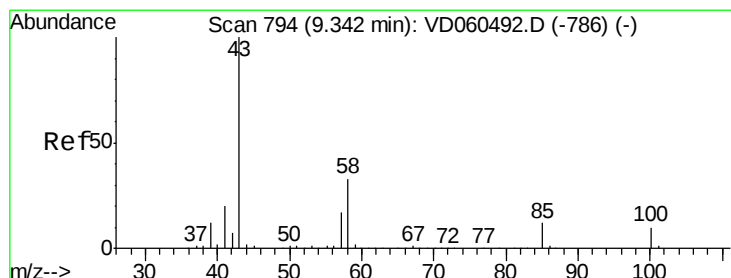
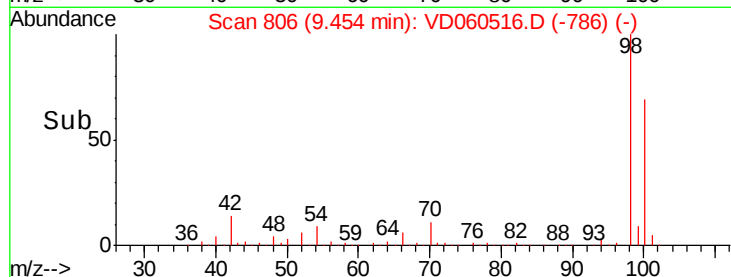
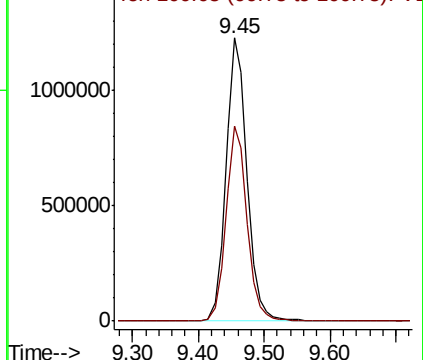
98 100

100 68.8 55.7 83.5



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: 1.299 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD060516.D

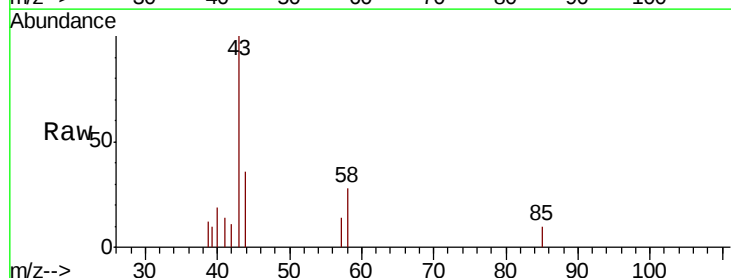
Acq: 10 Dec 2018 10:57

Tgt Ion: 43 Resp: 9577

Ion Ratio Lower Upper

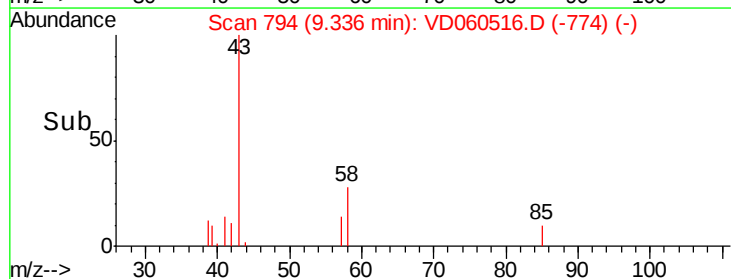
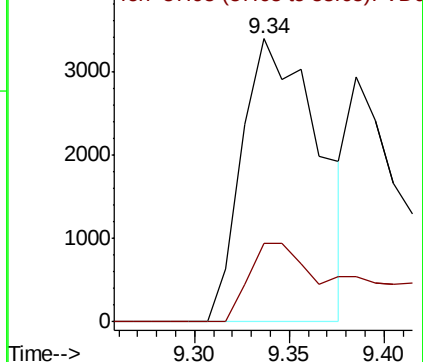
43 100

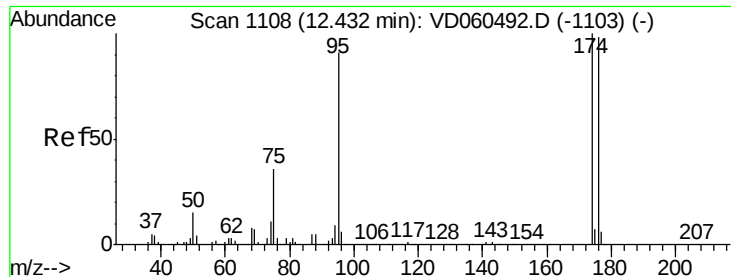
58 27.6 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBL01

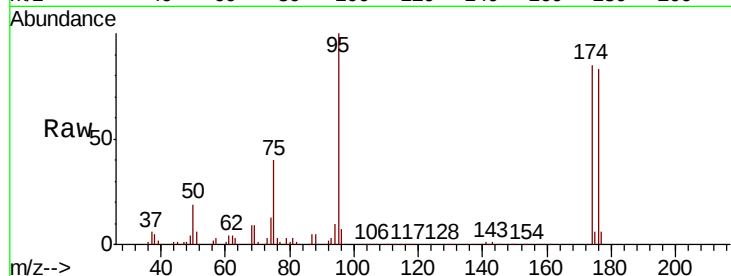
Tot Ion: 95 Resp: 924879

Ion Ratio Lower Upper

95 100

174 84.8 0.0 219.4

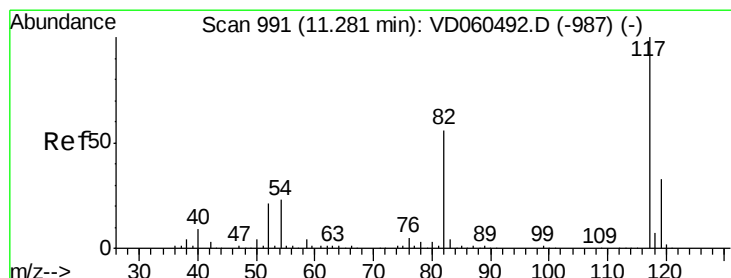
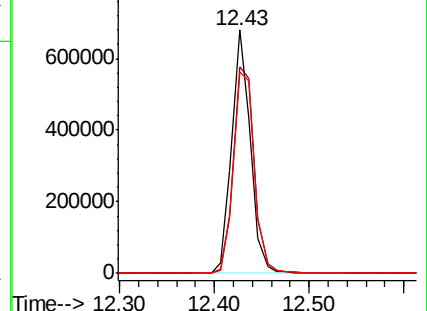
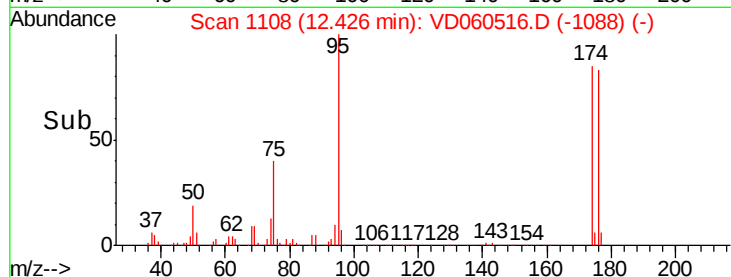
176 82.8 0.0 214.6



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# 992

Delta R.T. 0.00 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

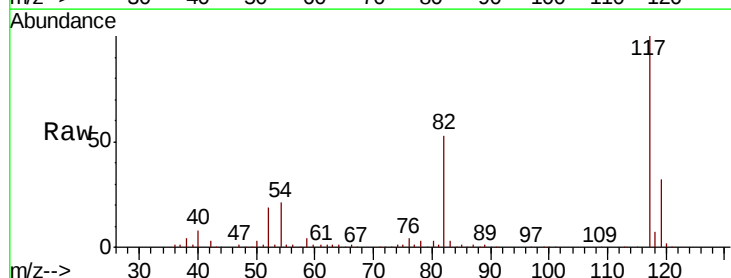
Tgt Ion: 117 Resp: 1811331

Ion Ratio Lower Upper

117 100

82 52.8 45.2 67.8

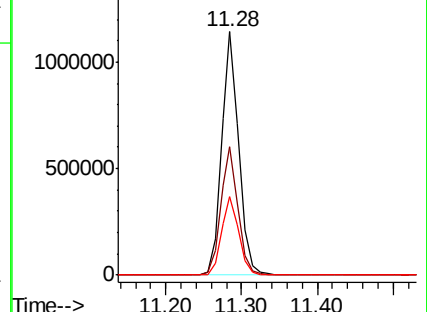
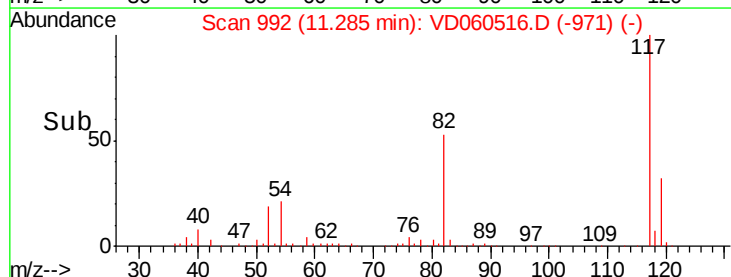
119 32.2 26.1 39.1

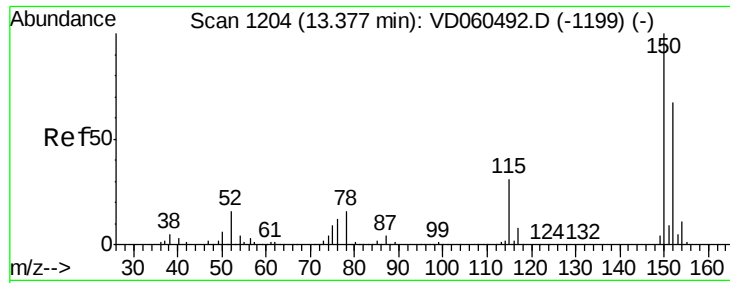


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1204

Delta R.T. -0.01 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBL01

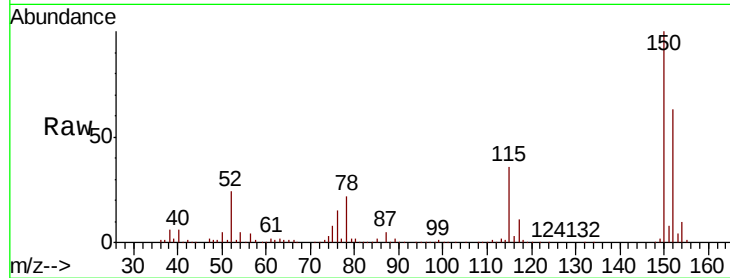
Tot Ion:152 Resp: 869066

Ion Ratio Lower Upper

152 100

115 57.7 24.6 74.0

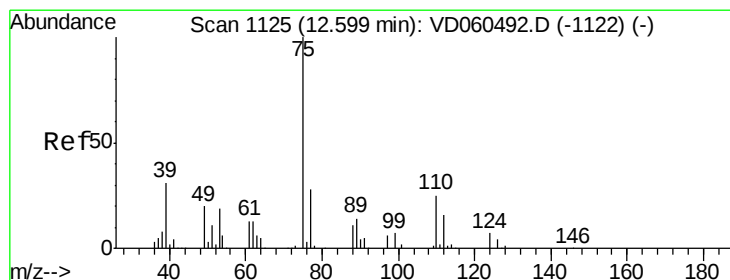
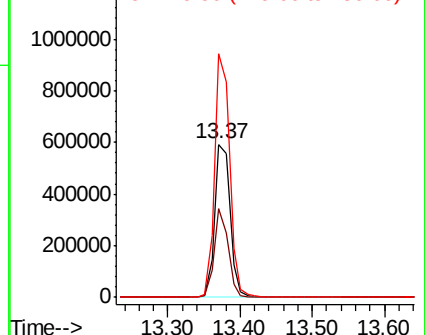
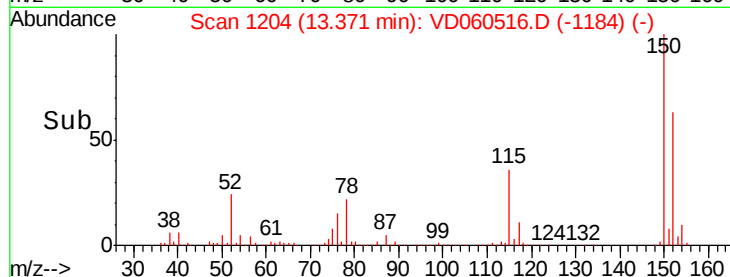
150 158.8 0.0 309.0



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



#76

1,2,3-Trichloropropane

Concen: 29.250 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.17 min

Lab File: VD060516.D

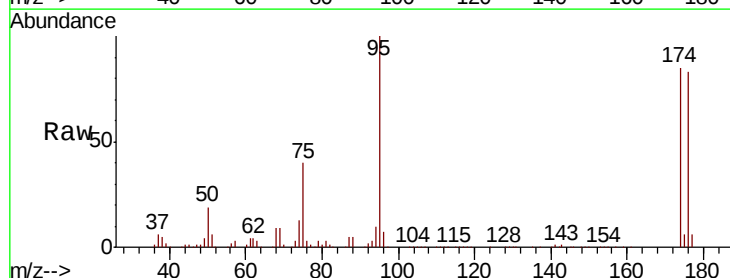
Acq: 10 Dec 2018 10:57

Tgt Ion: 75 Resp: 288029

Ion Ratio Lower Upper

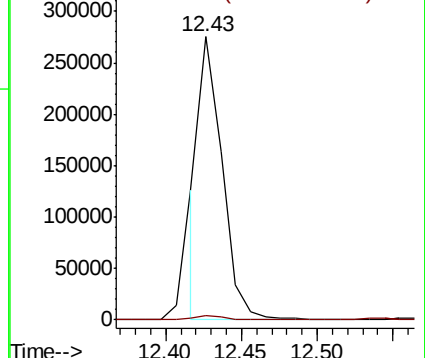
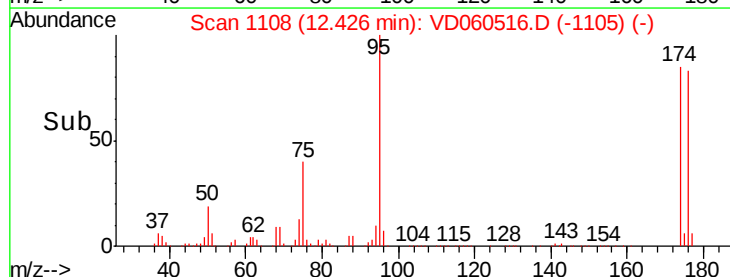
75 100

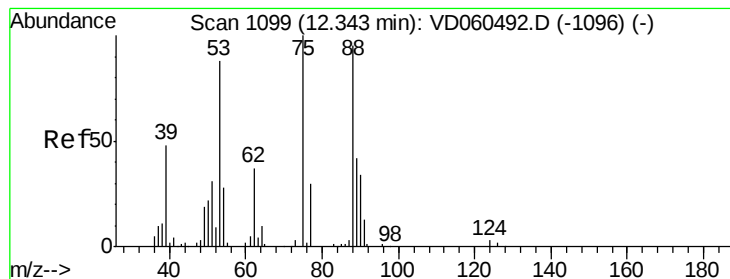
77 1.6 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 135.145 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060516.D

Acq: 10 Dec 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBL01

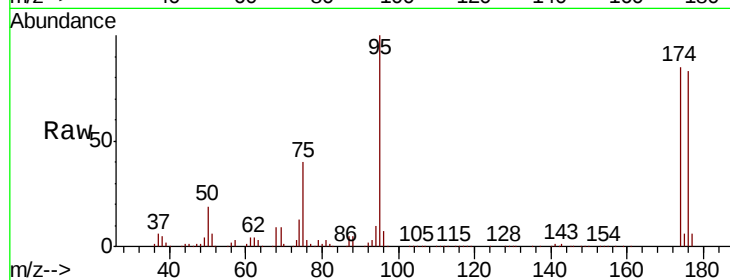
Tot Ion: 75 Resp: 371161

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

