

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058332.D
 Acq On : 23 Jun 2018 9:55
 Operator : VA/AP
 Sample : J3626-01RE
 Misc : 6.33q/5ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-1

Quant Time: Jun 25 00:56:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	682882	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	892300	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	664094	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	386710	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	363199	52.66	ug/l	0.02
Spiked Amount			Recovery	=	105.32%	
35) Dibromofluoromethane	5.57	113	338047	46.55	ug/l	0.02
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	8.72	98	713969	40.64	ug/l	0.01
Spiked Amount			Recovery	=	81.28%	
62) 4-Bromofluorobenzene	11.94	95	359686	50.11	ug/l	0.01
Spiked Amount			Recovery	=	100.22%	

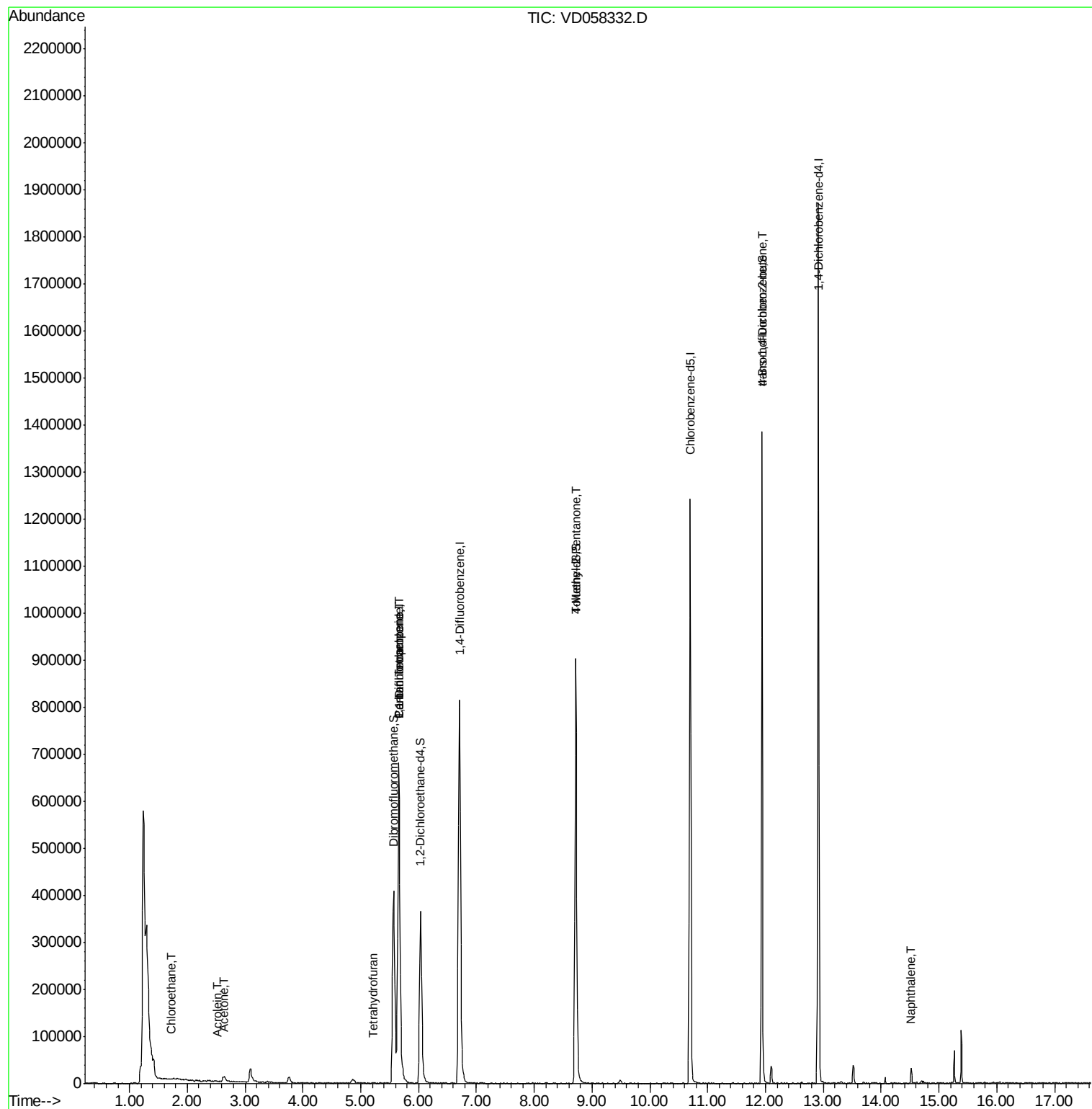
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	446	Below Cal	#	43
5) Bromomethane	1.77	94	188	Below Cal	#	3
6) Chloroethane	1.71	64	183	1.525	ug/l #	41
13) Acrolein	2.54	56	179	1.378	ug/l #	11
16) Acetone	2.63	43	23532	24.946	ug/l #	91
29) Tetrahydrofuran	5.22	42	1676	1.532	ug/l #	37
31) Cyclohexane	5.65	56	14101	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	55468	6.284	ug/l #	51
38) Carbon Tetrachloride	5.66	117	55686	6.349	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	4553	1.041	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.94	75	172154	125.018	ug/l #	1
82) 4-Chlorotoluene	12.33	91	504	Below Cal	#	45
95) Naphthalene	14.52	128	18305	1.418	ug/l #	95

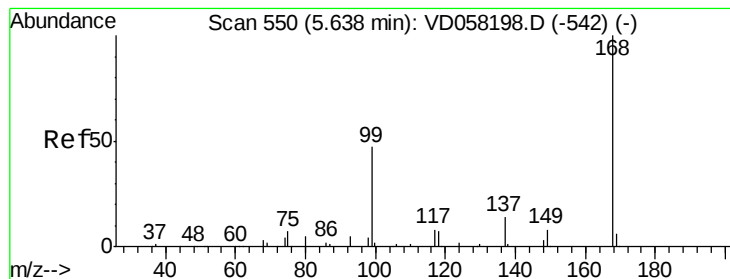
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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A-1

Quant Time: Jun 25 00:56:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

Instrument :

MSVOA_D

ClientSampled :

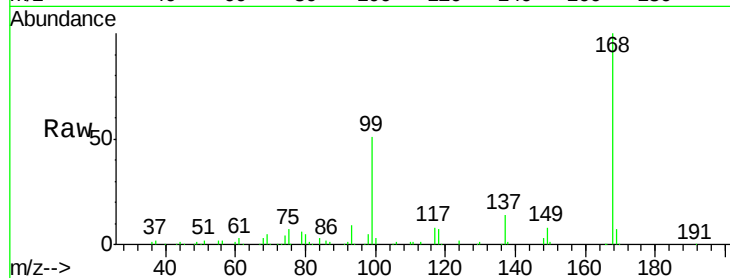
A-1

Tot Ion:168 Resp: 682882

Ion Ratio Lower Upper

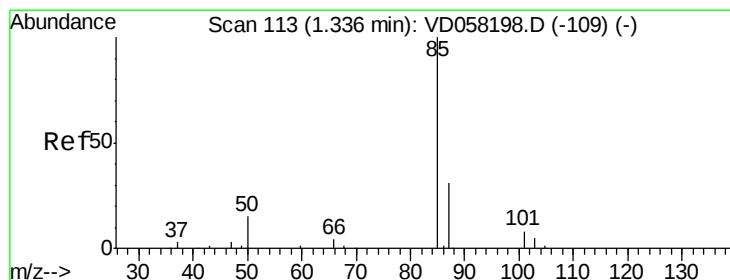
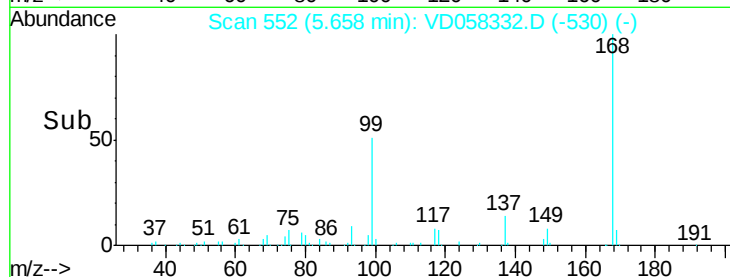
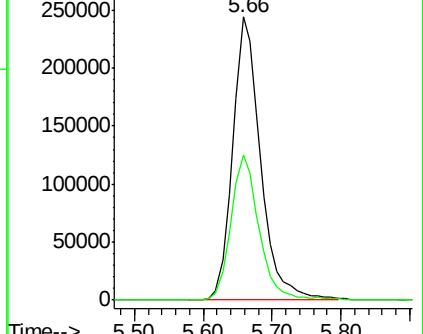
168 100

99 51.5 41.1 61.7



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: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058332.D

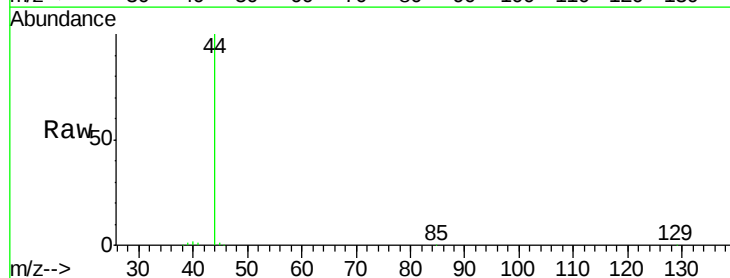
Acq: 23 Jun 2018 9:55

Tgt Ion: 85 Resp: 446

Ion Ratio Lower Upper

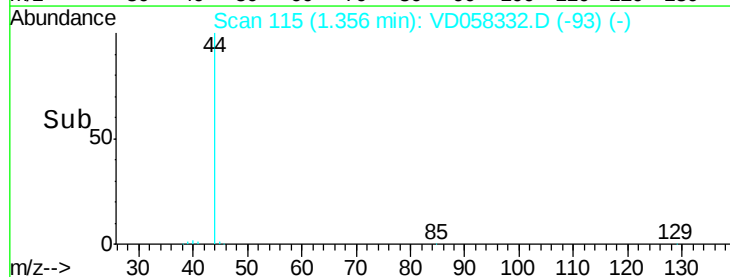
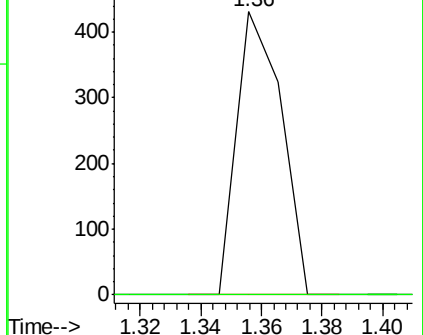
85 100

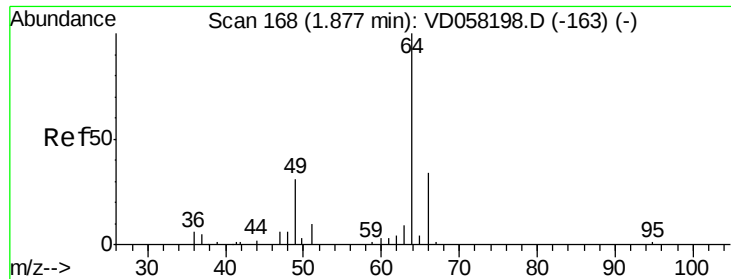
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#6

Chloroethane

Concen: 1.525 ug/l

RT: 1.71 min Scan# 151

Delta R.T. -0.17 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

Instrument :

MSVOA_D

ClientSampleId :

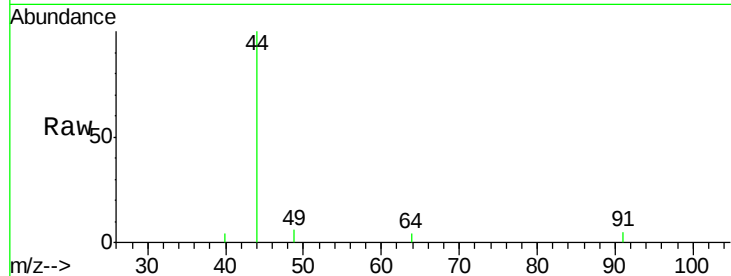
A-1

Tot Ion: 64 Resp: 183

Ion Ratio Lower Upper

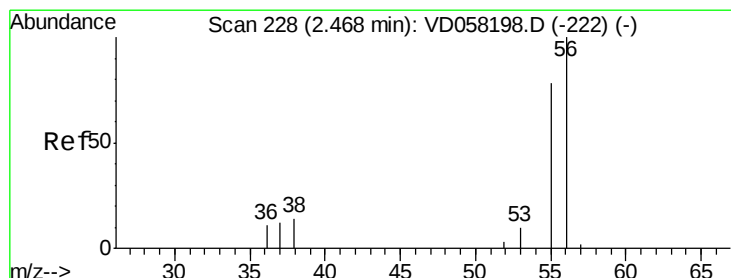
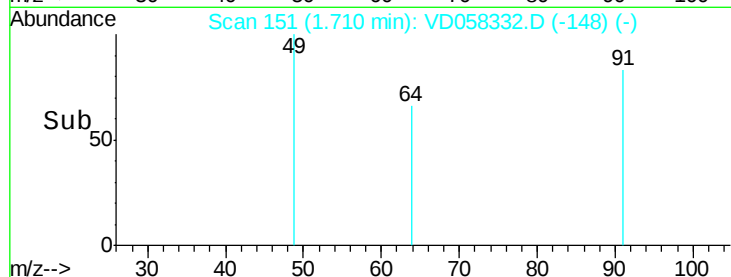
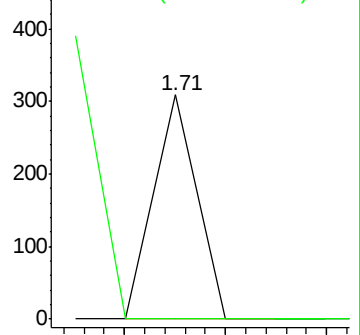
64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#13

Acrolein

Concen: 1.378 ug/l

RT: 2.54 min Scan# 235

Delta R.T. 0.07 min

Lab File: VD058332.D

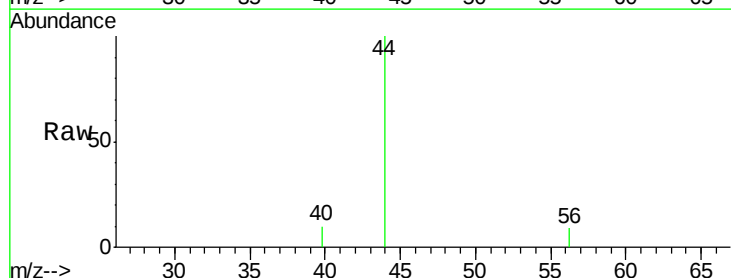
Acq: 23 Jun 2018 9:55

Tgt Ion: 56 Resp: 179

Ion Ratio Lower Upper

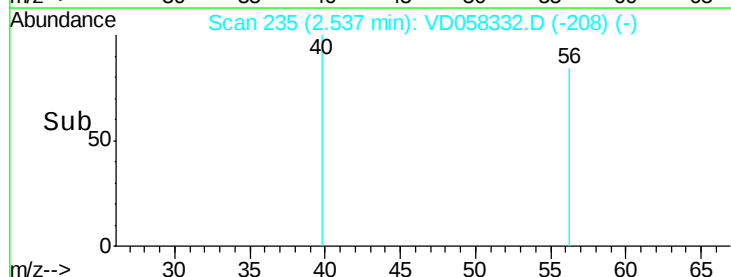
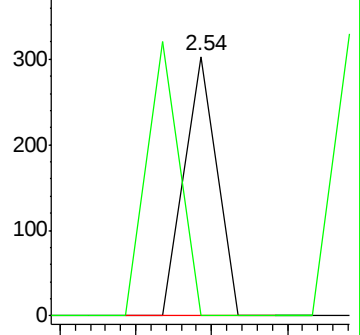
56 100

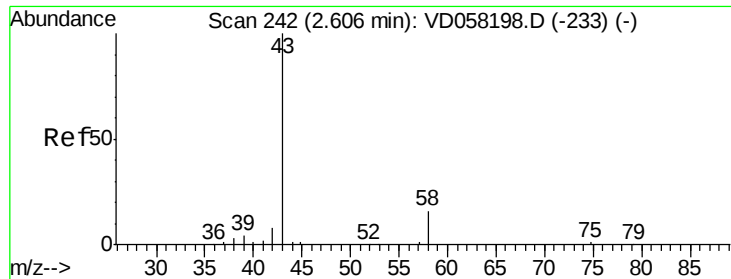
55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 24.946 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

Instrument :

MSVOA_D

ClientSampleId :

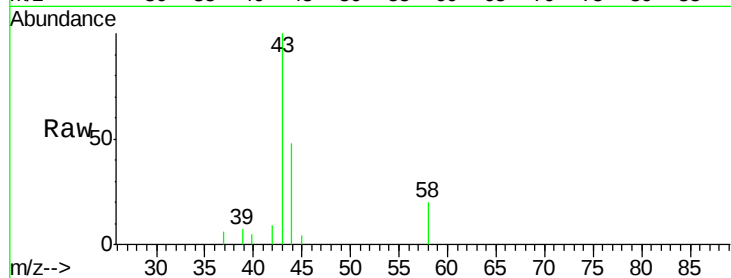
A-1

Tot Ion: 43 Resp: 23532

Ion Ratio Lower Upper

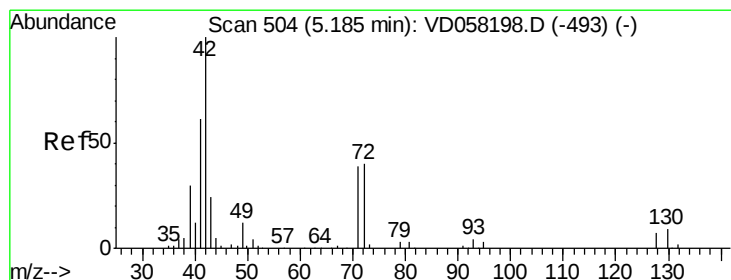
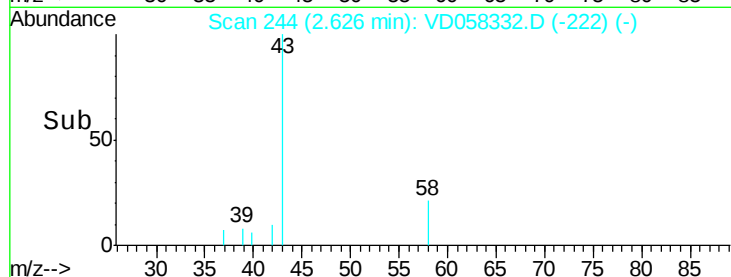
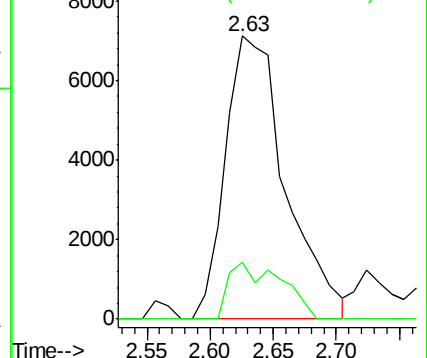
43 100

58 19.9 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#29

Tetrahydrofuran

Concen: 1.532 ug/l

RT: 5.22 min Scan# 508

Delta R.T. 0.04 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

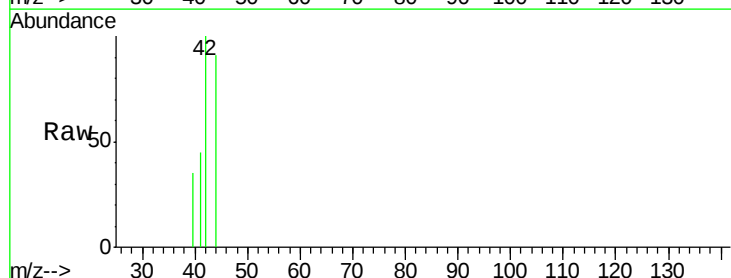
Tgt Ion: 42 Resp: 1676

Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

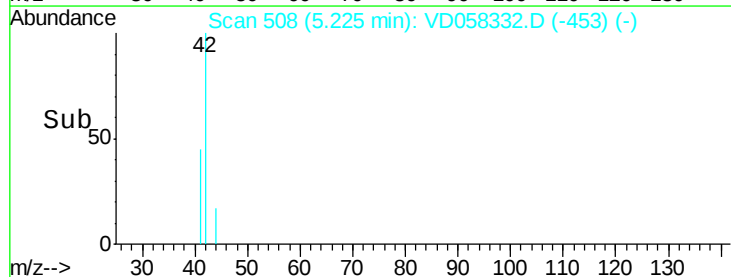
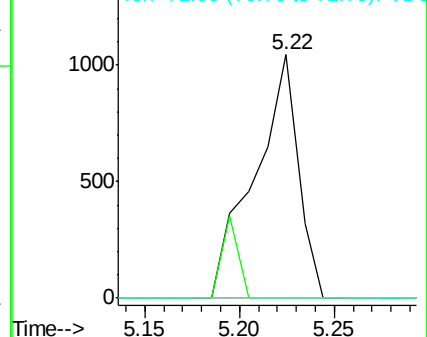
71 0.0 30.1 45.1#

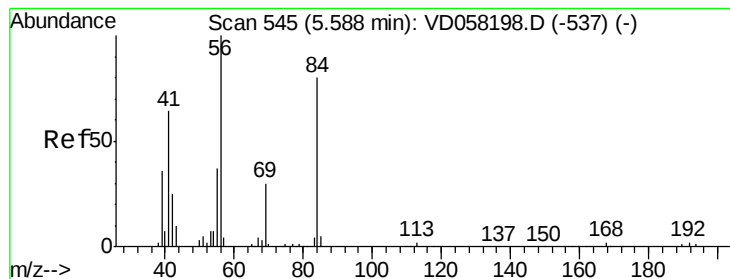


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.06 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

Instrument :

MSVOA_D

ClientSampleId :

A-1

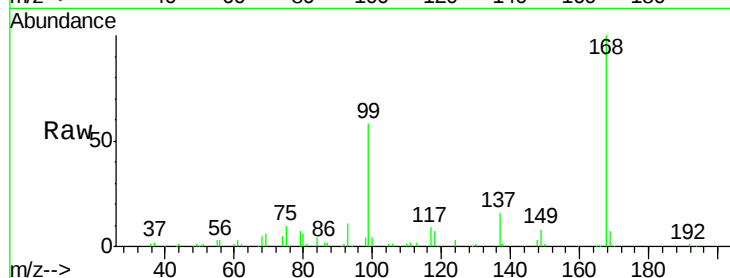
Tot Ion: 56 Resp: 14101

Ion Ratio Lower Upper

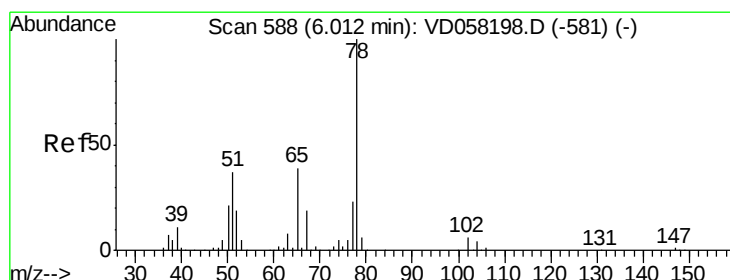
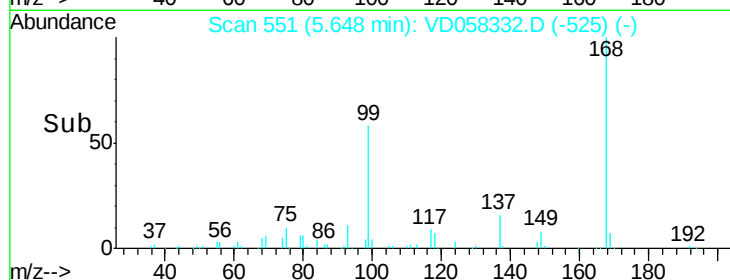
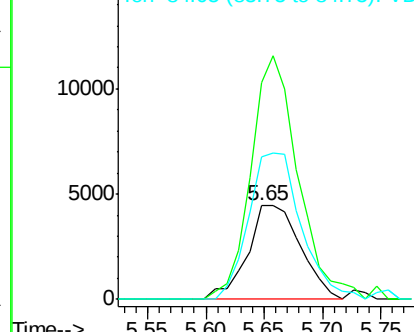
56 100

69 231.5 23.6 35.4#

84 151.6 65.2 97.8#



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: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058332.D

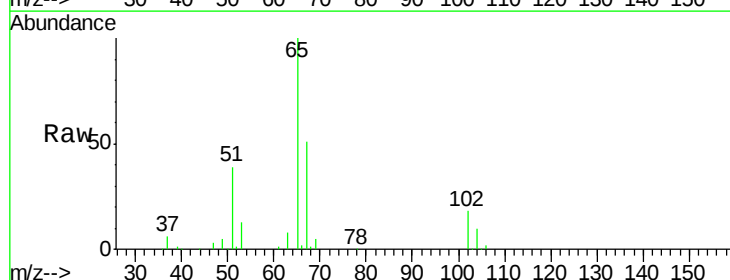
Acq: 23 Jun 2018 9:55

Tgt Ion: 65 Resp: 363199

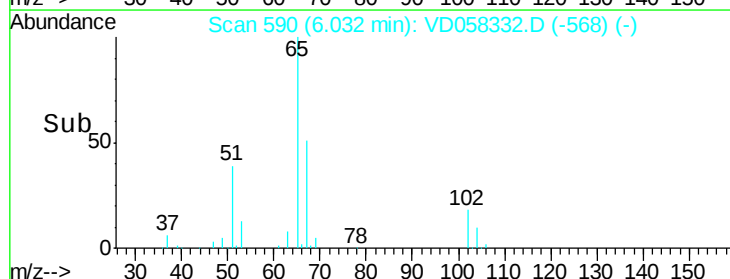
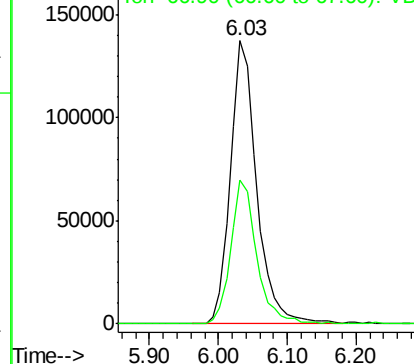
Ion Ratio Lower Upper

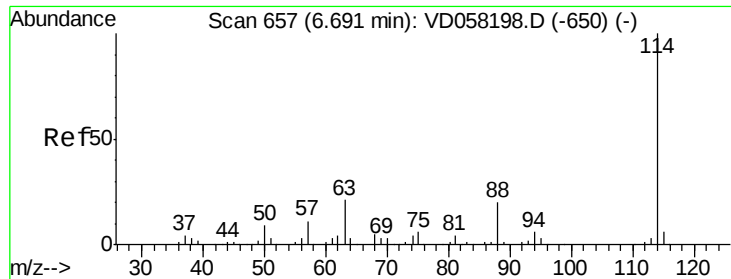
65 100

67 51.0 0.0 97.8



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

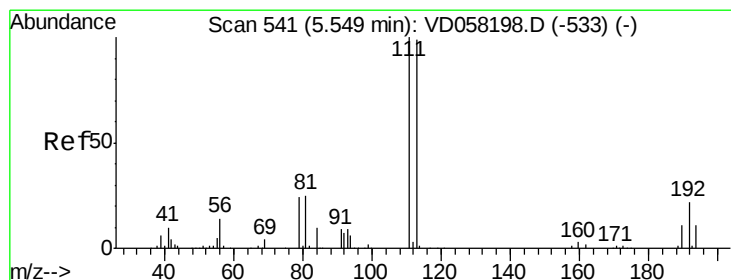
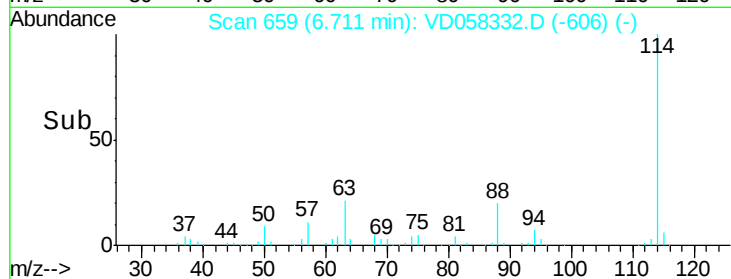
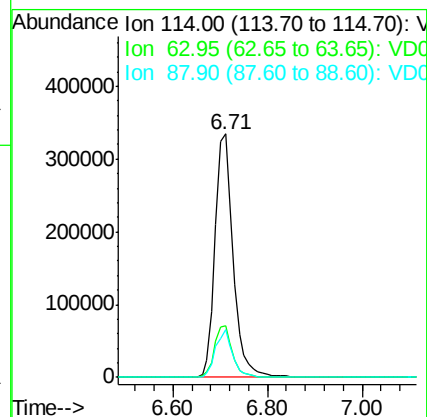
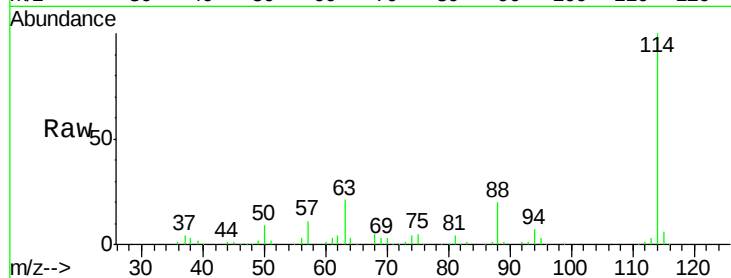




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058332.D
 Acq: 23 Jun 2018 9:55

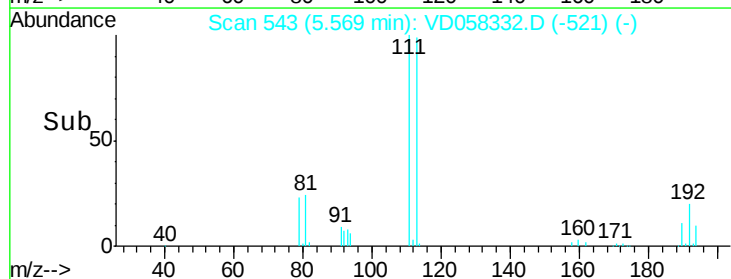
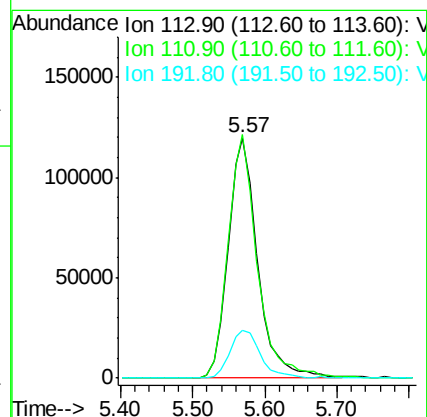
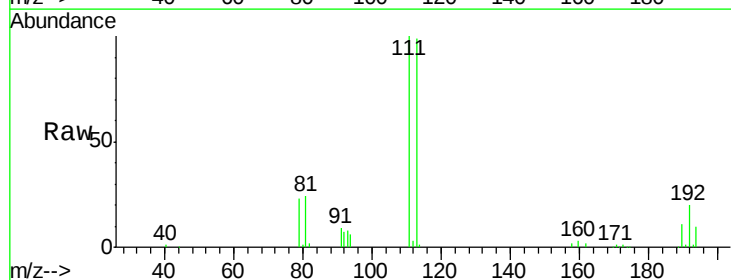
Instrument :
 MSVOA_D
 ClientSampled :
 A-1

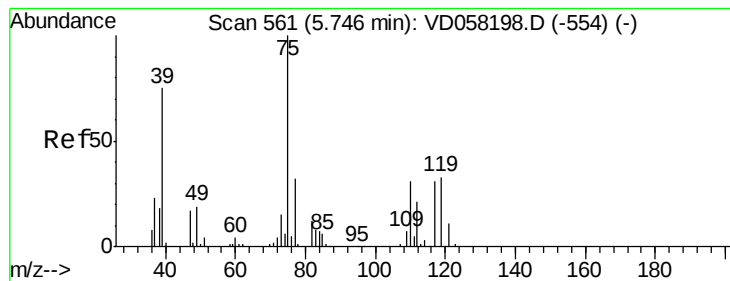
Tot Ion:114 Resp: 892300
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 19.7 0.0 40.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058332.D
 Acq: 23 Jun 2018 9:55

Tgt Ion:113 Resp: 338047
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.6 121.0
 192 20.0 17.8 26.6





#36

1,1-Dichloropropene

Concen: 6.284 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

Instrument :

MSVOA_D

ClientSampleId :

A-1

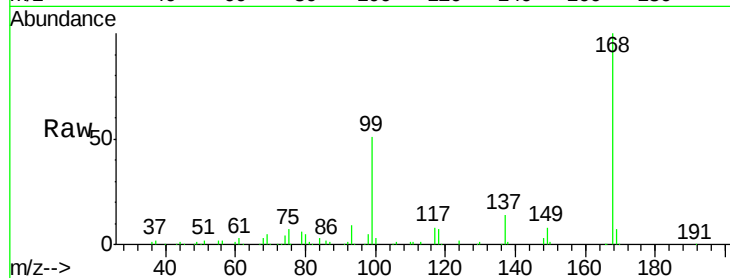
Tot Ion: 75 Resp: 55468

Ion Ratio Lower Upper

75 100

110 8.5 15.4 46.4#

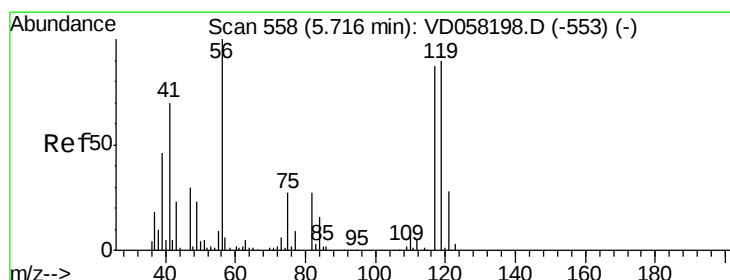
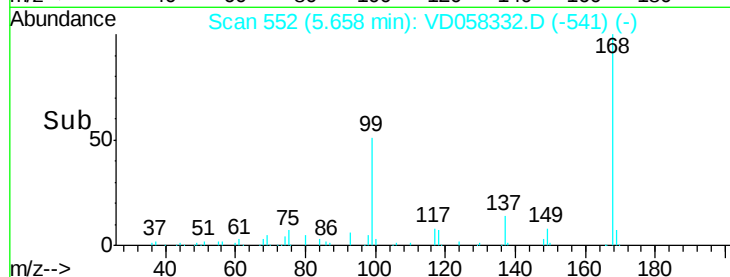
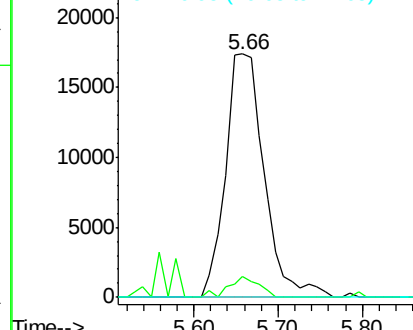
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.349 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

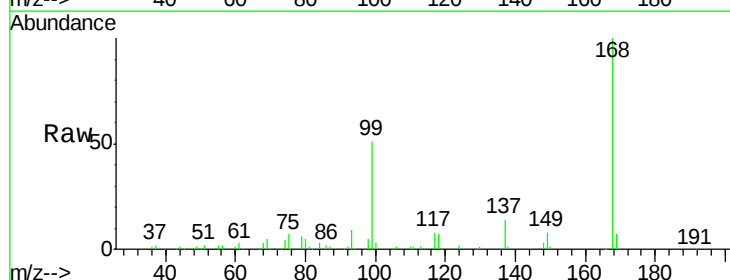
Tgt Ion: 117 Resp: 55686

Ion Ratio Lower Upper

117 100

119 5.7 78.8 118.2#

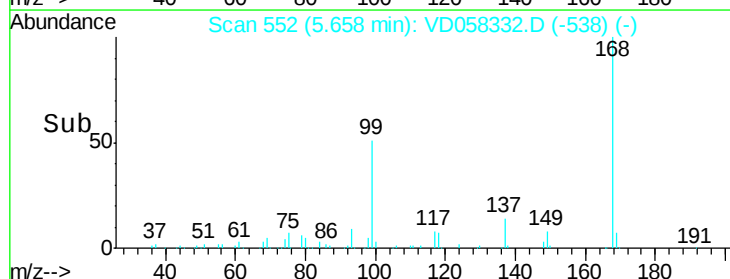
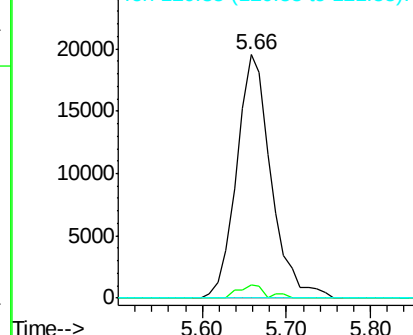
121 0.0 25.0 37.6#

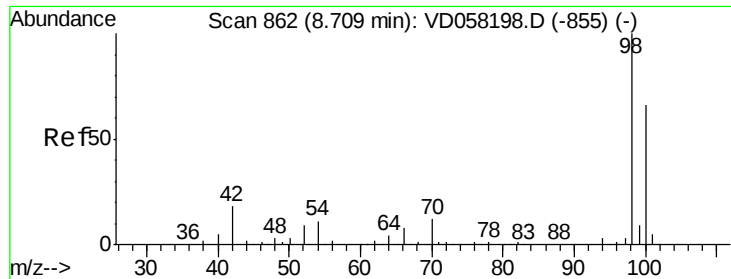


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

Instrument :

MSVOA_D

ClientSampleId :

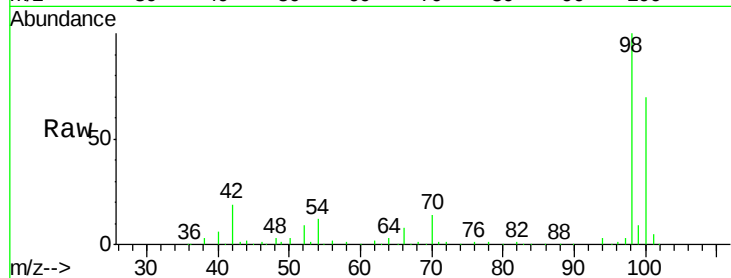
A-1

Tot Ion: 98 Resp: 713969

Ion Ratio Lower Upper

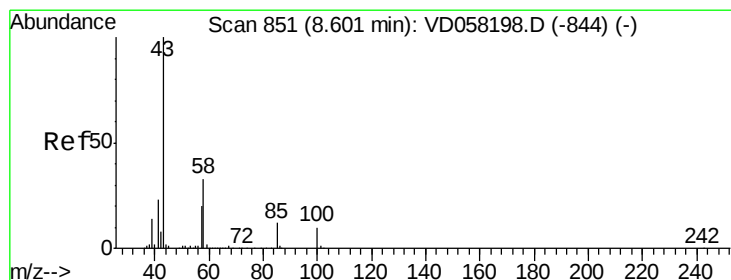
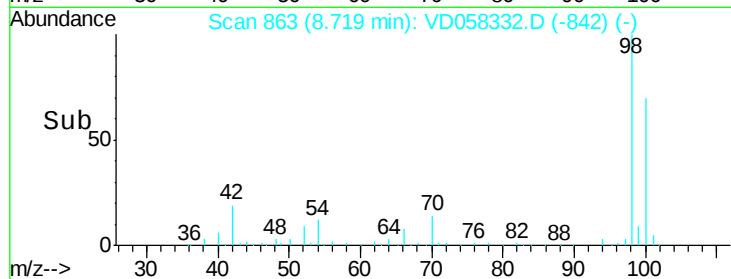
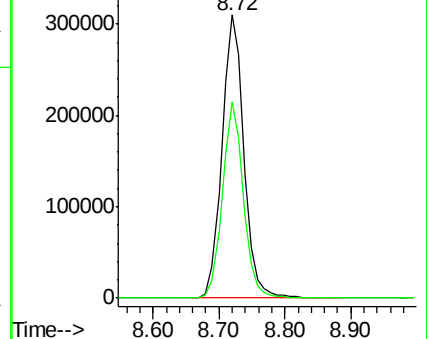
98 100

100 69.5 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.041 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.12 min

Lab File: VD058332.D

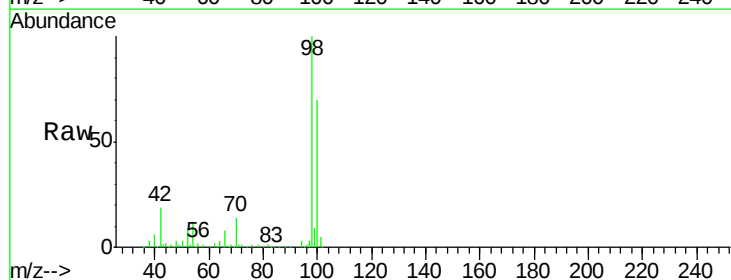
Acq: 23 Jun 2018 9:55

Tgt Ion: 43 Resp: 4553

Ion Ratio Lower Upper

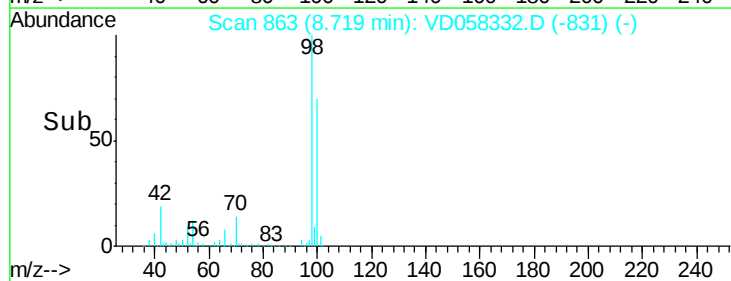
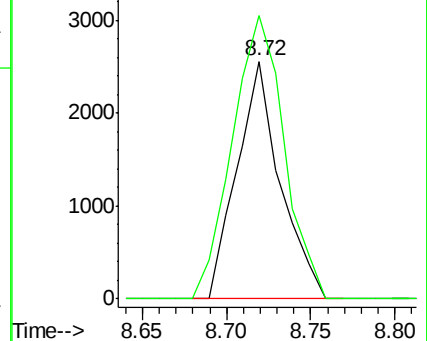
43 100

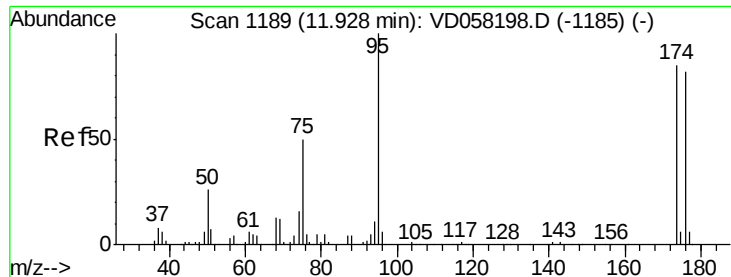
58 119.2 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD058198.D (-844) (-)

Ion 57.95 (57.65 to 58.65): VD058198.D (-844) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

Instrument :

MSVOA_D

ClientSampleId :

A-1

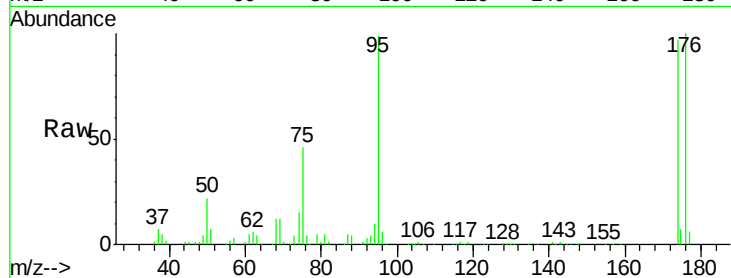
Tot Ion: 95 Resp: 359686

Ion Ratio Lower Upper

95 100

174 97.4 0.0 170.2

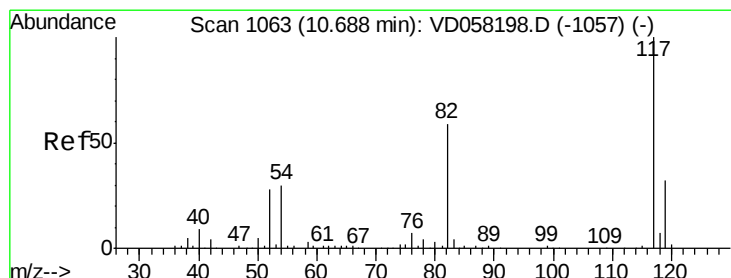
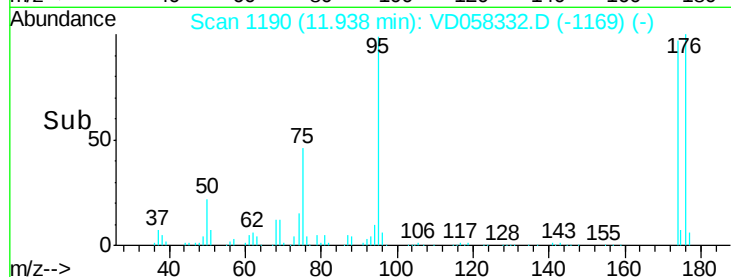
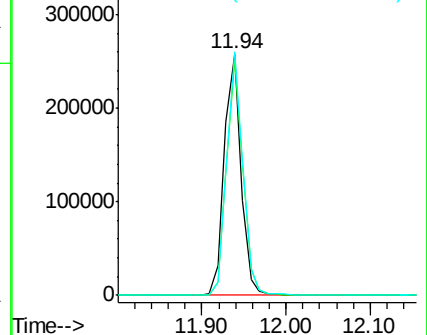
176 100.9 0.0 164.6



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: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

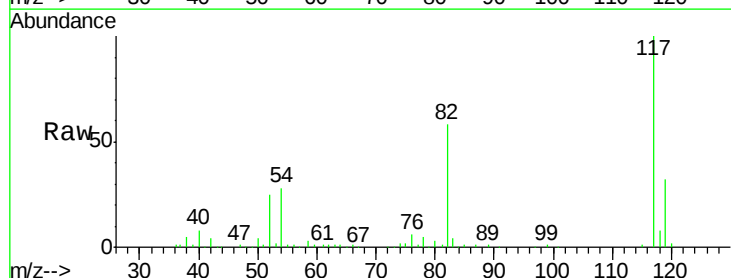
Tgt Ion: 117 Resp: 664094

Ion Ratio Lower Upper

117 100

82 57.7 47.0 70.6

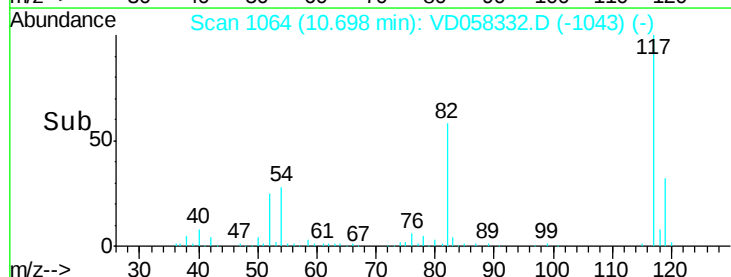
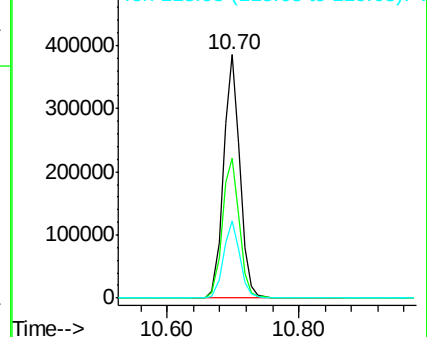
119 31.9 25.3 37.9

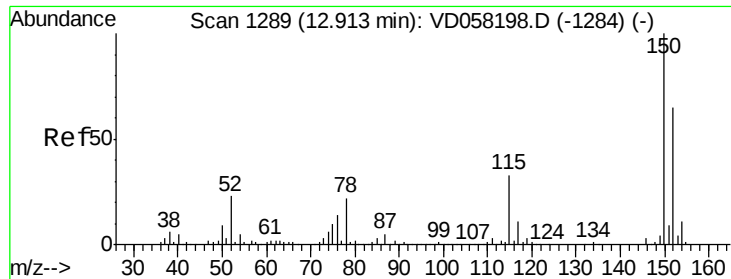


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

Instrument :

MSVOA_D

ClientSampleId :

A-1

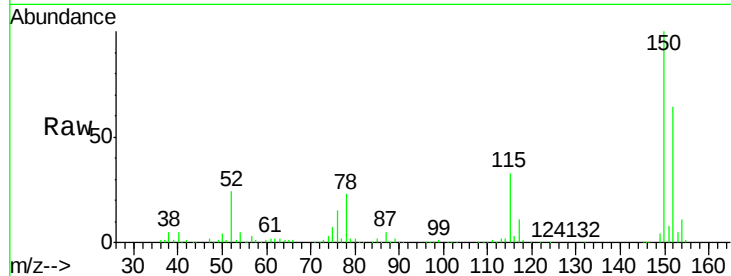
Tot Ion:152 Resp: 386710

Ion Ratio Lower Upper

152 100

115 50.5 25.1 75.3

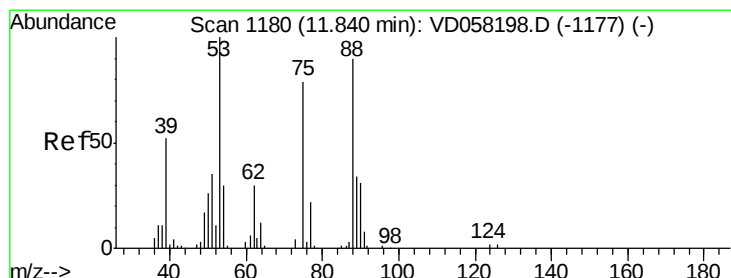
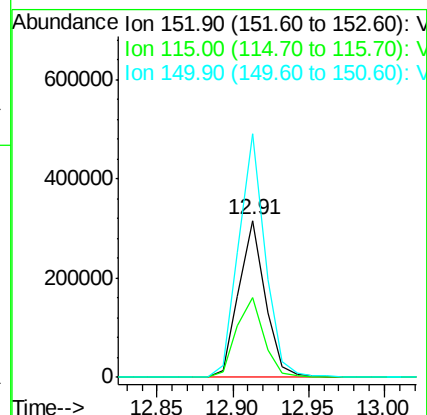
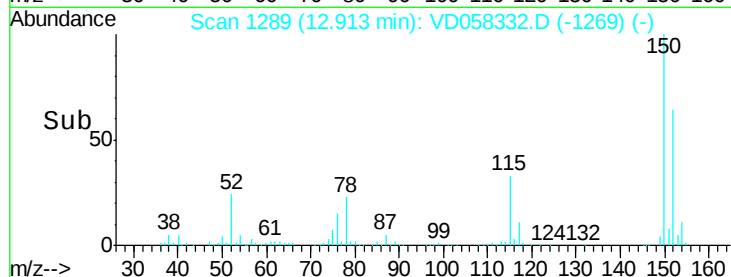
150 155.5 0.0 308.8



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: 125.018 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058332.D

Acq: 23 Jun 2018 9:55

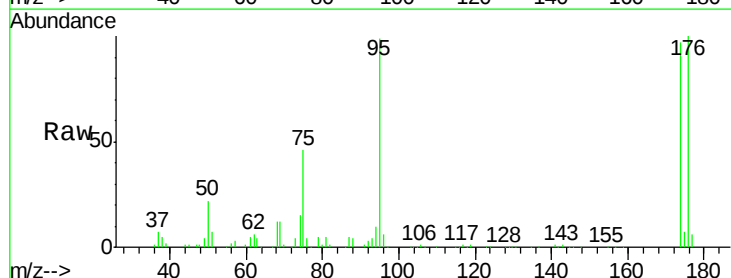
Tgt Ion: 75 Resp: 172154

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

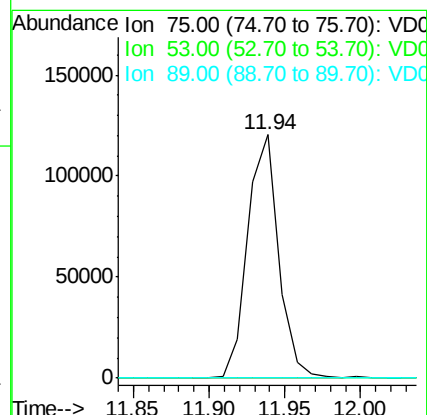
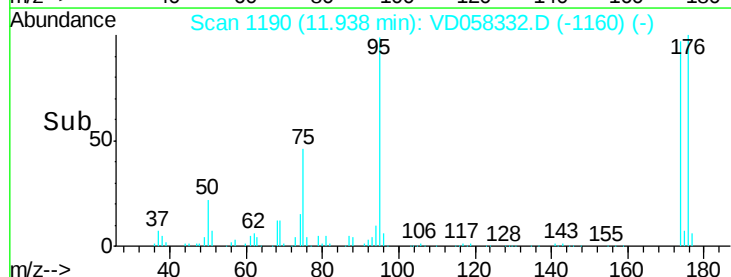
89 0.0 34.6 52.0#

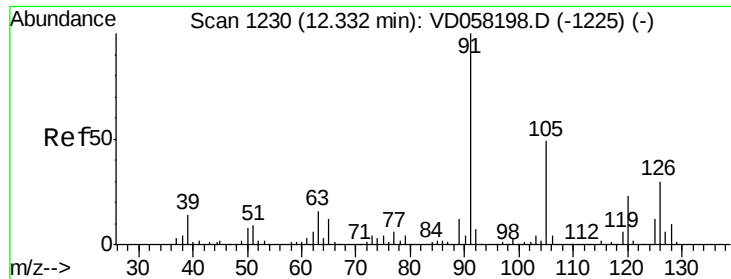


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

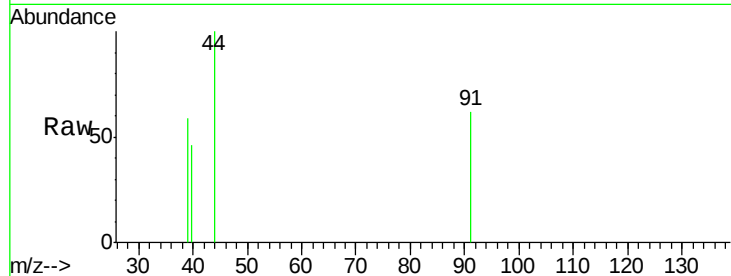




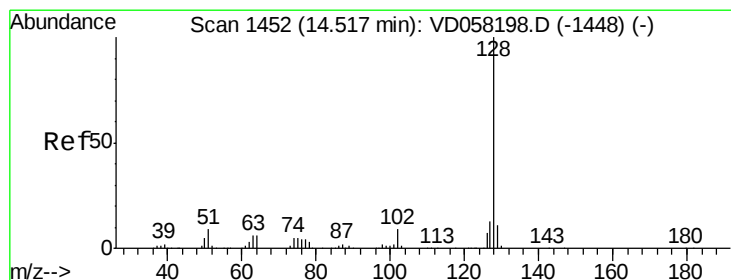
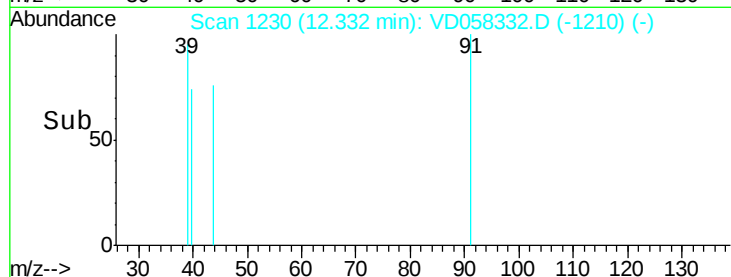
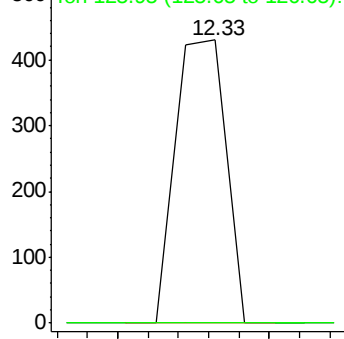
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.33 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VD058332.D
Acq: 23 Jun 2018 9:55

Instrument :
MSVOA_D
ClientSampleId :
A-1

Tot Ion: 91 Resp: 504
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.9#

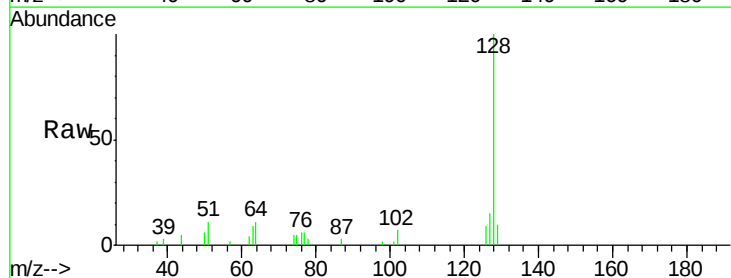


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V



#95
Naphthalene
Concen: 1.418 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058332.D
Acq: 23 Jun 2018 9:55

Tgt Ion: 128 Resp: 18305
Ion Ratio Lower Upper
128 100
127 15.3 10.0 15.0#
129 9.7 8.7 13.1



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

