

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058020.D
 Acq On : 8 Jun 2018 16:17
 Operator : VA/AP
 Sample : J2688-01RE
 Misc : 4.76g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:56:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	52508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	75283	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	60832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	27852	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	48963	93.27	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	186.54%	
35) Dibromofluoromethane	5.54	113	39652	68.08	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	136.16%	
50) Toluene-d8	8.70	98	76033	54.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.80%	
62) 4-Bromofluorobenzene	11.92	95	32841	54.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.72%	

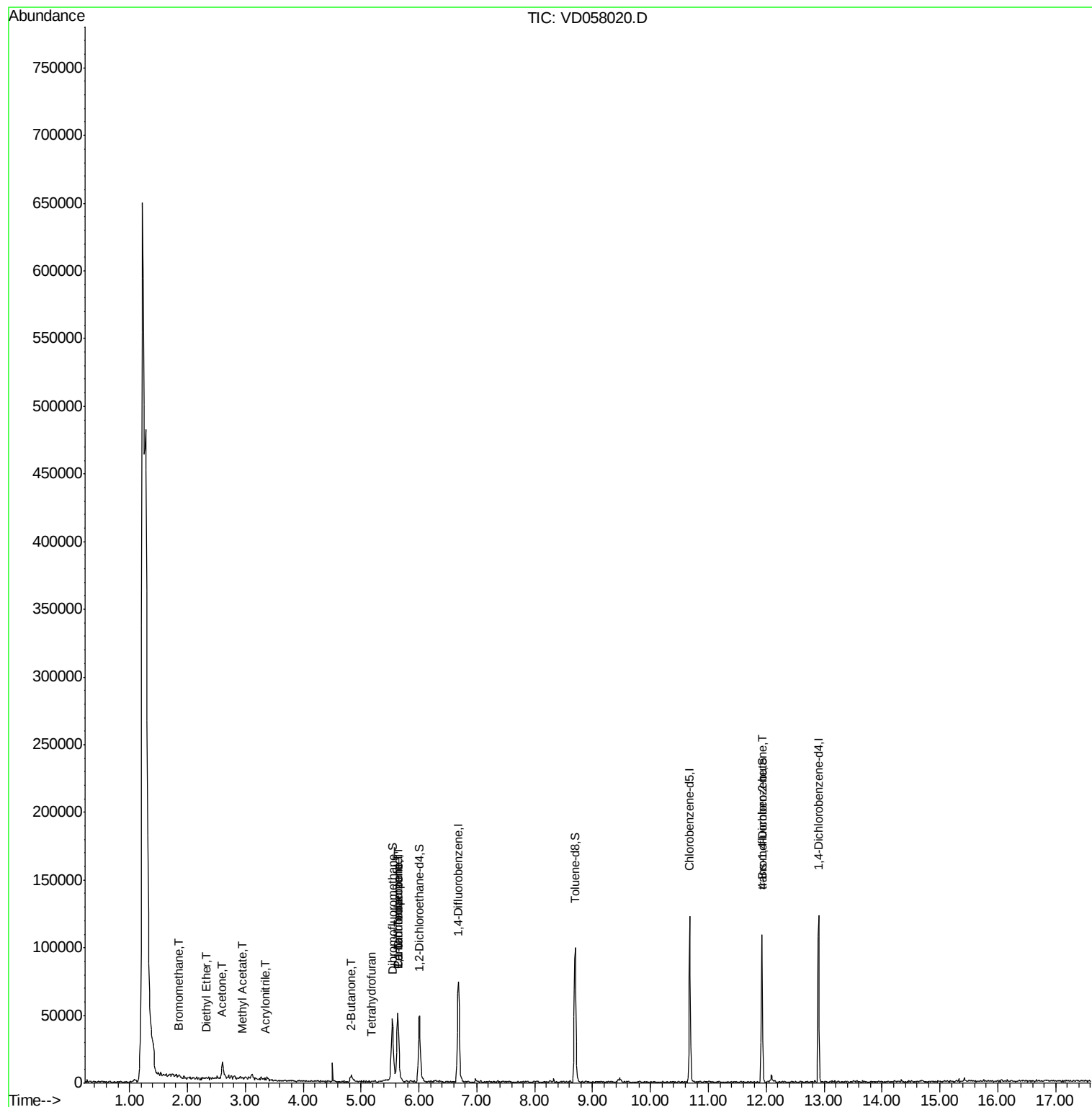
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.87	94	234	1.777	ug/l #	3
8) Diethyl Ether	2.34	74	188	2.204	ug/l #	1
15) Acrylonitrile	3.34	53	199	2.419	ug/l #	15
16) Acetone	2.61	43	21681	286.668	ug/l #	88
18) Methyl Acetate	2.95	43	1142	7.806	ug/l #	66
20) Methylene Chloride	3.07	84	380	Below Cal	#	59
25) 2-Butanone	4.84	43	3637	21.160	ug/l #	64
29) Tetrahydrofuran	5.18	42	278	3.085	ug/l #	39
36) 1,1-Dichloropropene	5.63	75	3903	4.706	ug/l #	45
38) Carbon Tetrachloride	5.64	117	4520	5.530	ug/l #	12
81) trans-1,4-Dichloro-2-buten	11.92	75	15417	148.776	ug/l #	6
82) 4-Chlorotoluene	12.31	91	559	Below Cal	#	50

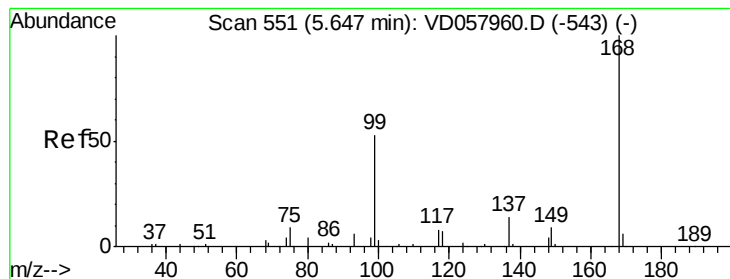
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

Instrument :

MSVOA_D

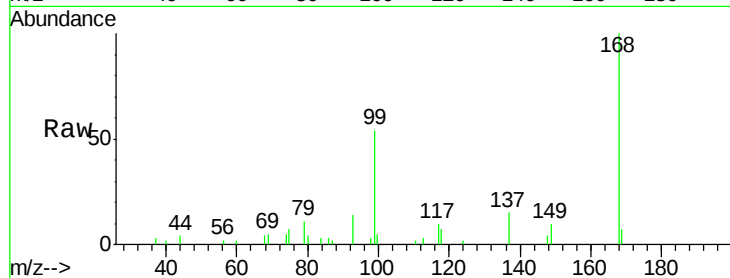
ClientSampleId :

Tot Ion:168 Resp: 52508

Ion Ratio Lower Upper

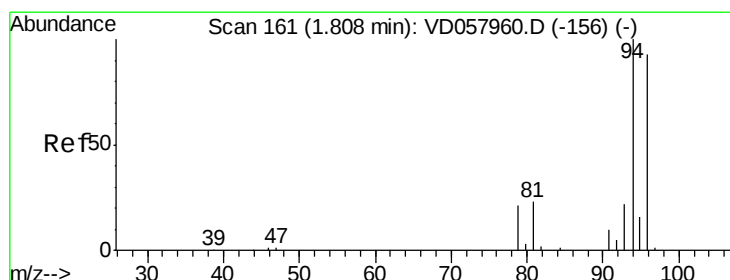
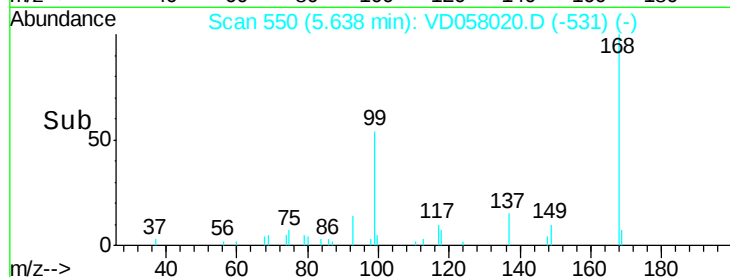
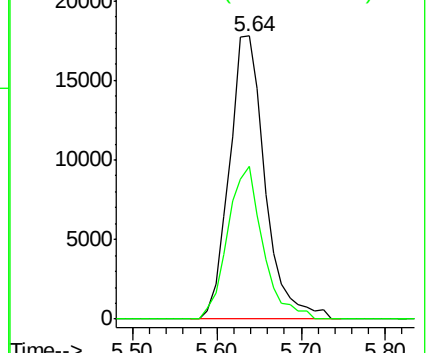
168 100

99 54.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.777 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.06 min

Lab File: VD058020.D

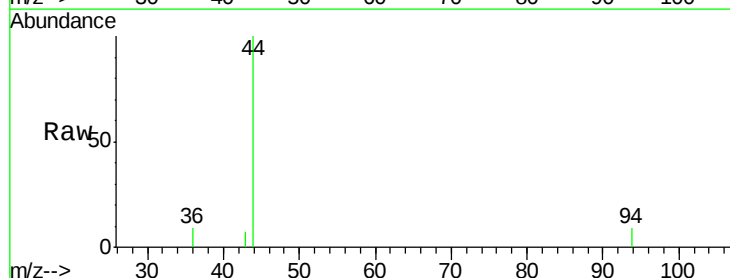
Acq: 8 Jun 2018 16:17

Tgt Ion: 94 Resp: 234

Ion Ratio Lower Upper

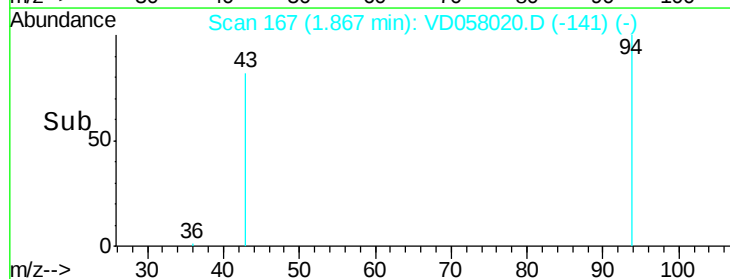
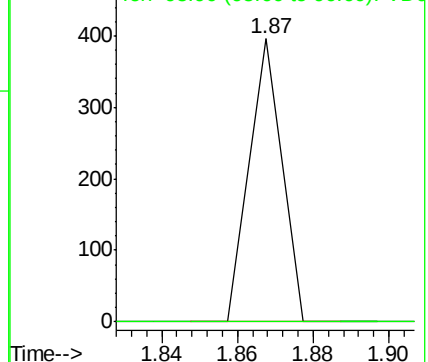
94 100

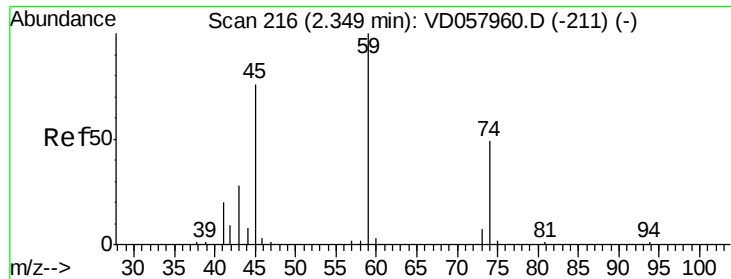
96 0.0 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 2.204 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.01 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

Instrument :

MSVOA_D

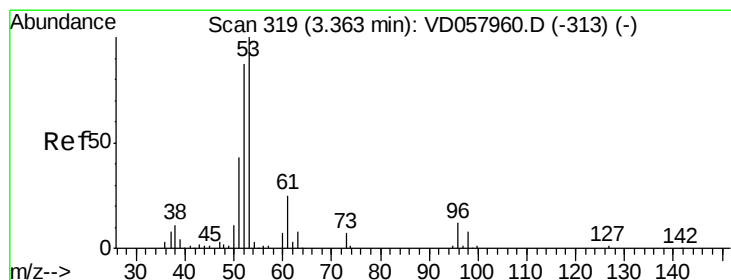
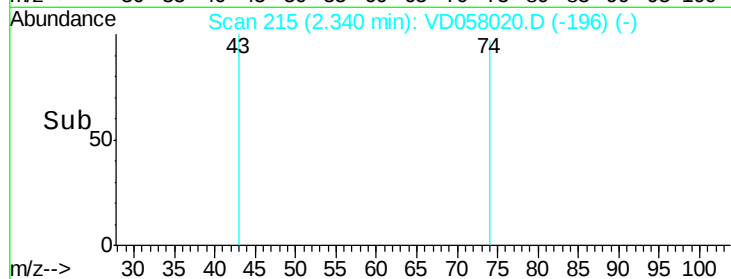
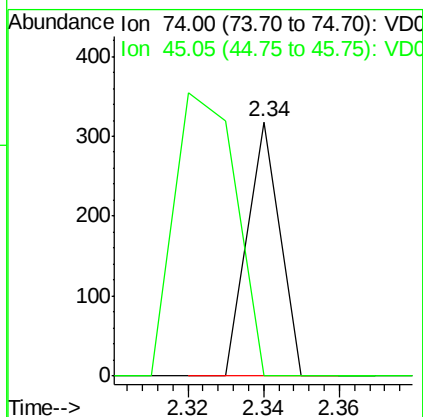
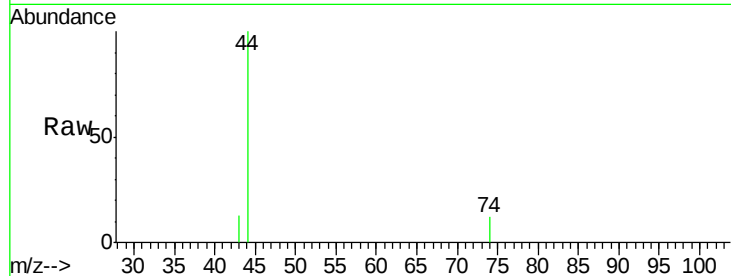
ClientSampleId :

Tot Ion: 74 Resp: 188

Ion Ratio Lower Upper

74 100

45 0.0 77.1 231.3#



#15

Acrylonitrile

Concen: 2.419 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.02 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

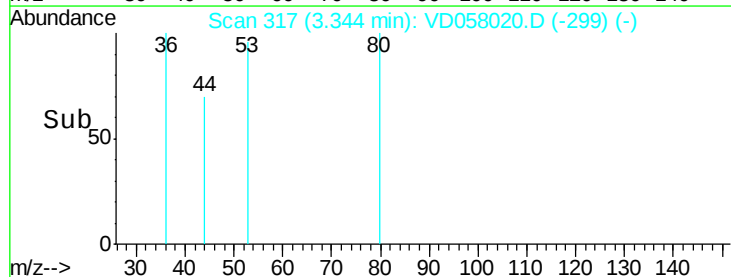
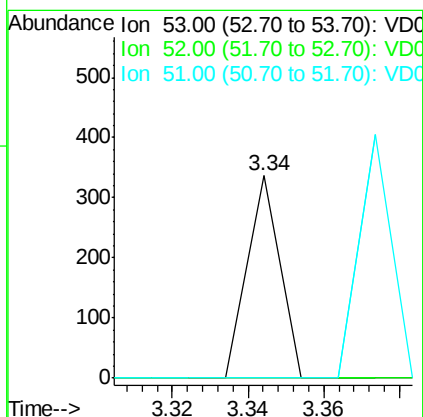
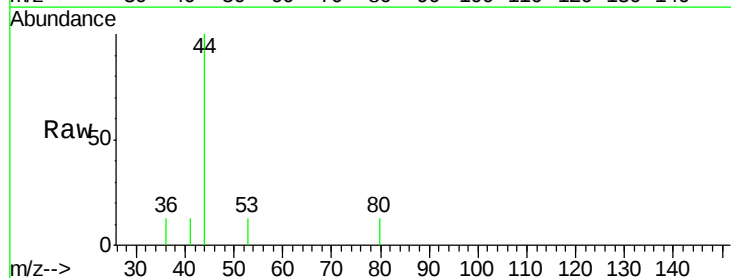
Tgt Ion: 53 Resp: 199

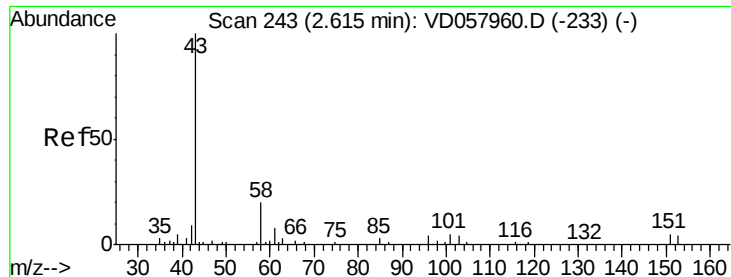
Ion Ratio Lower Upper

53 100

52 0.0 69.9 104.9#

51 0.0 34.3 51.5#





#16

Acetone

Concen: 286.668 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

Instrument :

MSVOA_D

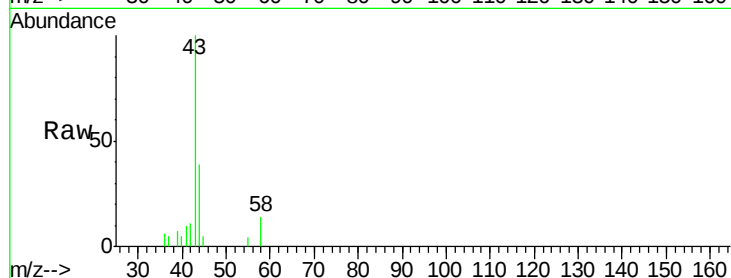
ClientSampled :

Tot Ion: 43 Resp: 21681

Ion Ratio Lower Upper

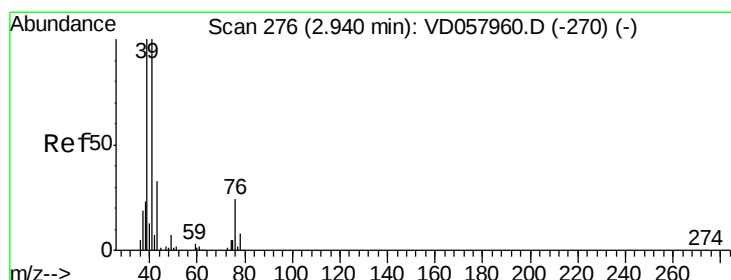
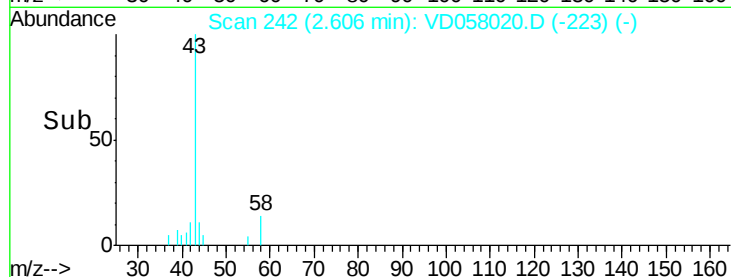
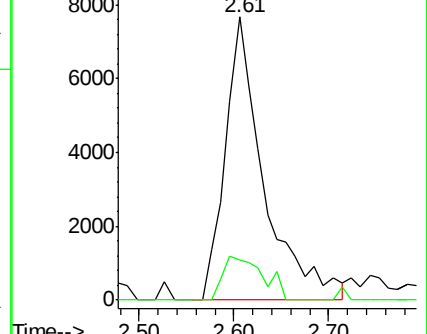
43 100

58 14.2 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 7.806 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.01 min

Lab File: VD058020.D

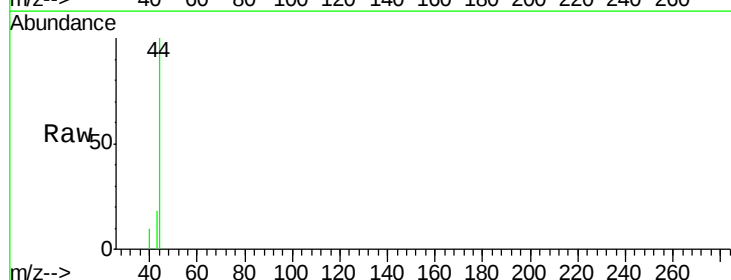
Acq: 8 Jun 2018 16:17

Tgt Ion: 43 Resp: 1142

Ion Ratio Lower Upper

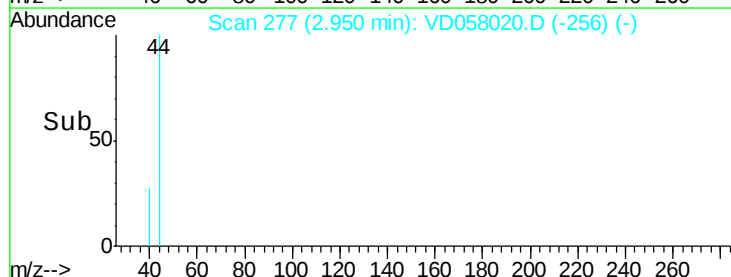
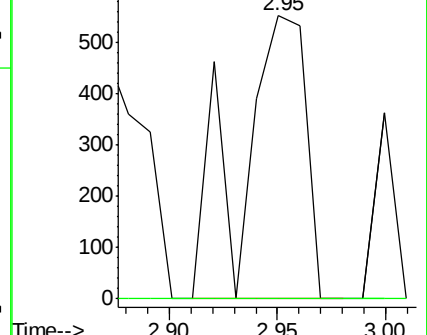
43 100

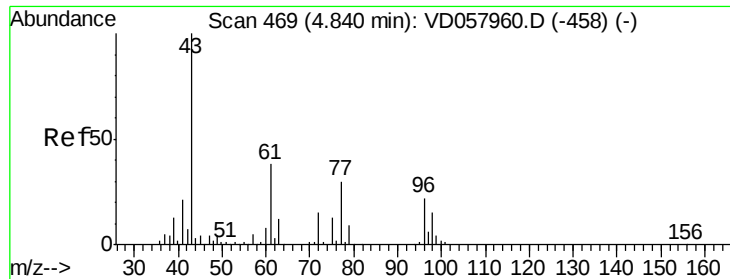
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 21.160 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

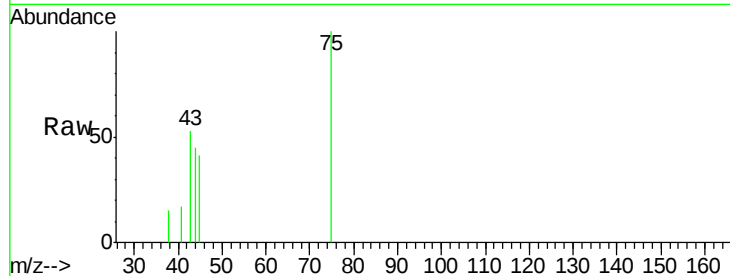
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3637

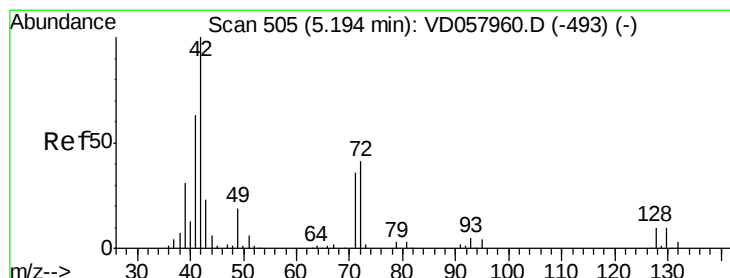
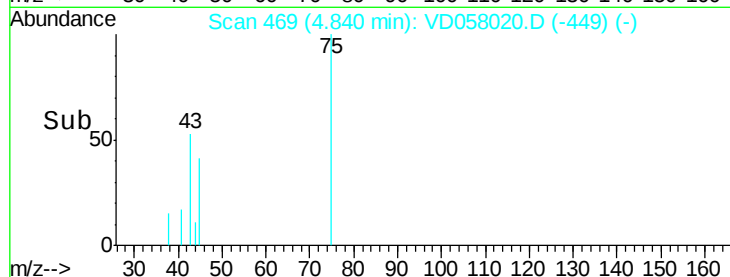
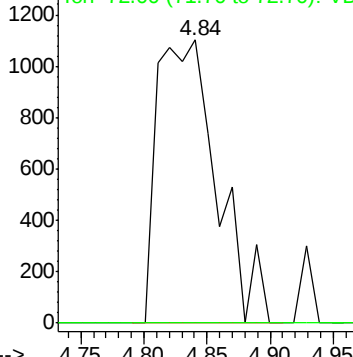
Ion Ratio Lower Upper

43 100

72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 3.085 ug/l

RT: 5.18 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

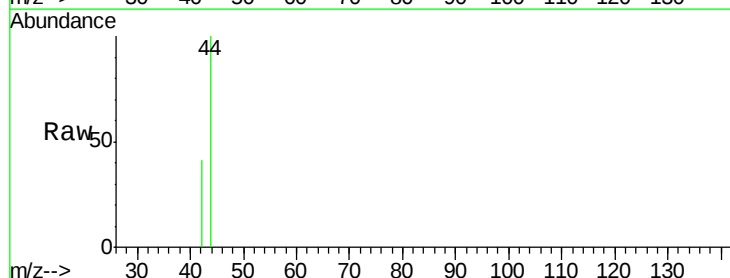
Tgt Ion: 42 Resp: 278

Ion Ratio Lower Upper

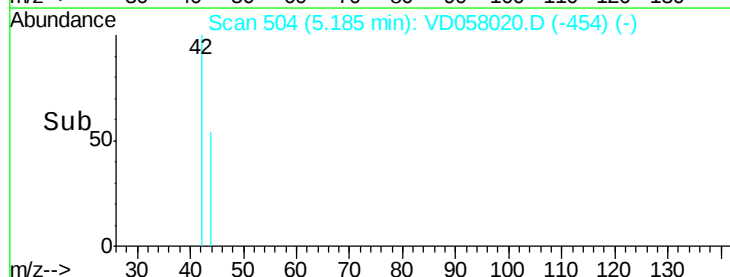
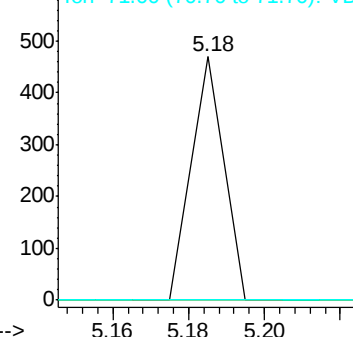
42 100

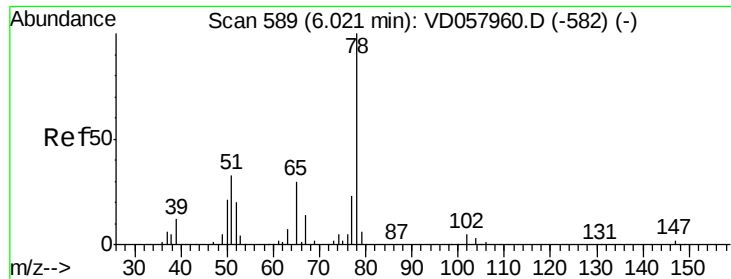
72 0.0 28.5 42.7#

71 0.0 27.9 41.9#



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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

Instrument :

MSVOA_D

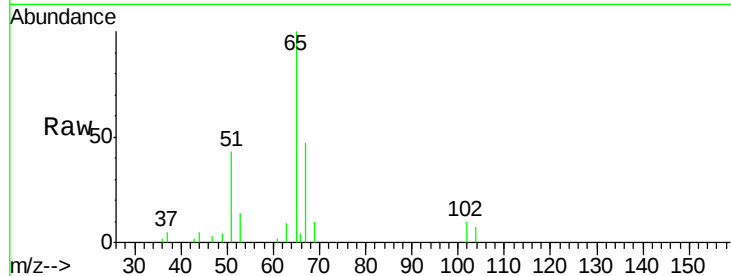
ClientSampleId :

Tot Ion: 65 Resp: 48963

Ion Ratio Lower Upper

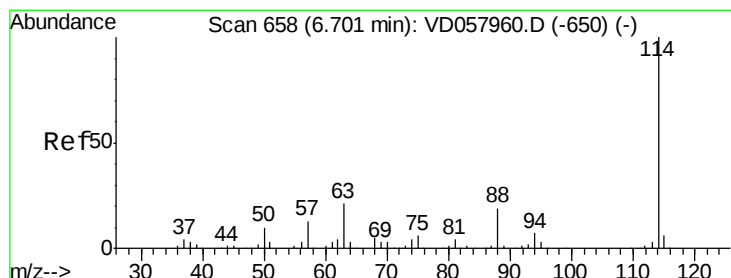
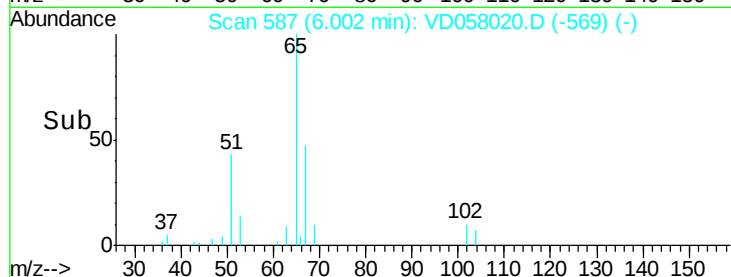
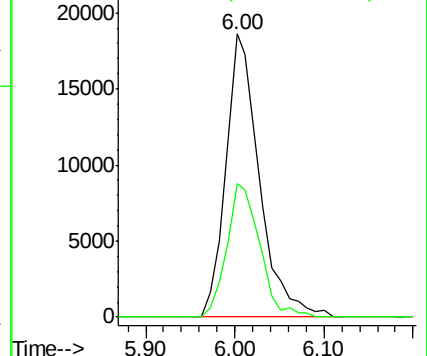
65 100

67 47.2 0.0 94.0



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: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

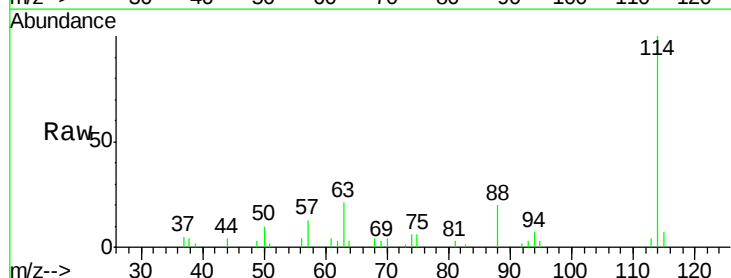
Tgt Ion: 114 Resp: 75283

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

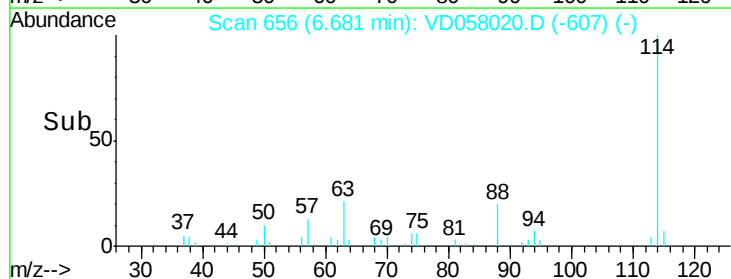
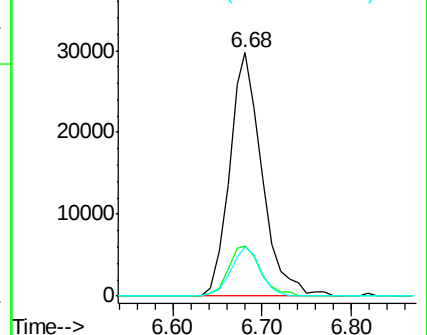
88 19.9 0.0 37.8

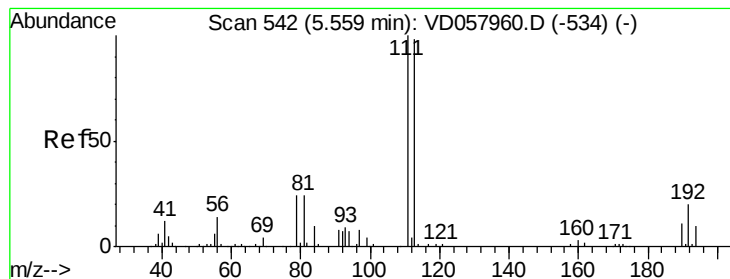


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

Instrument :

MSVOA_D

ClientSampleId :

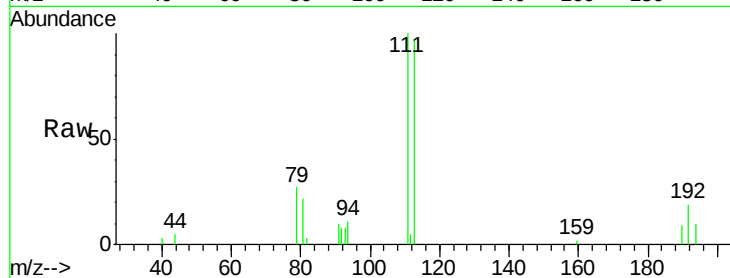
Tot Ion:113 Resp: 39652

Ion Ratio Lower Upper

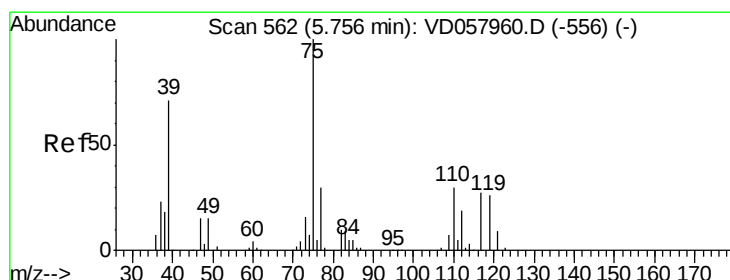
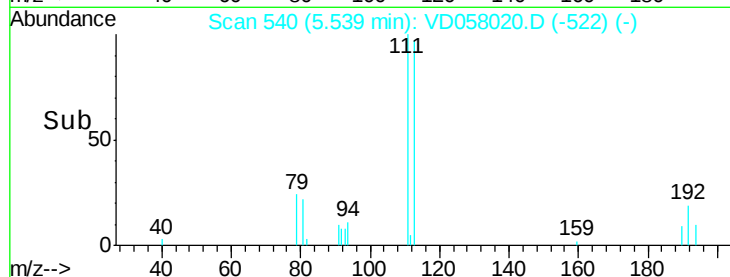
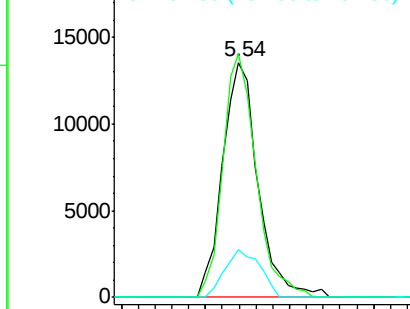
113 100

111 103.6 81.5 122.3

192 20.1 16.4 24.6



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: 4.706 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

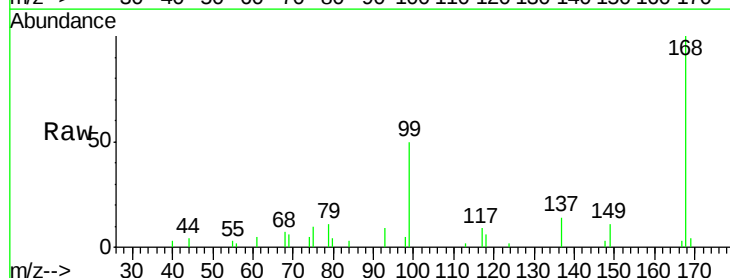
Tgt Ion: 75 Resp: 3903

Ion Ratio Lower Upper

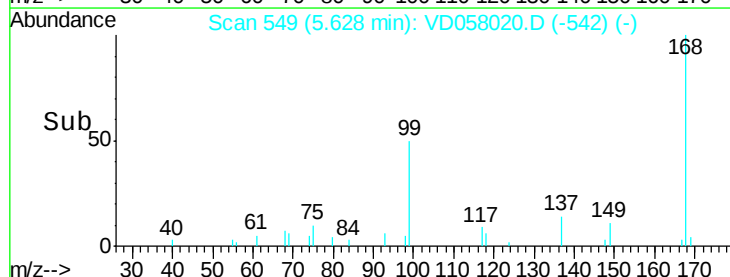
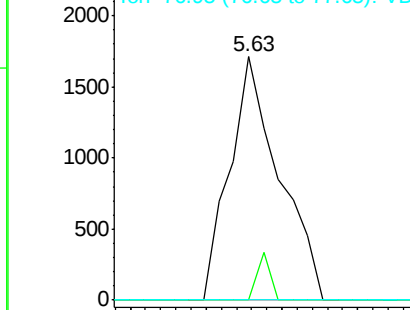
75 100

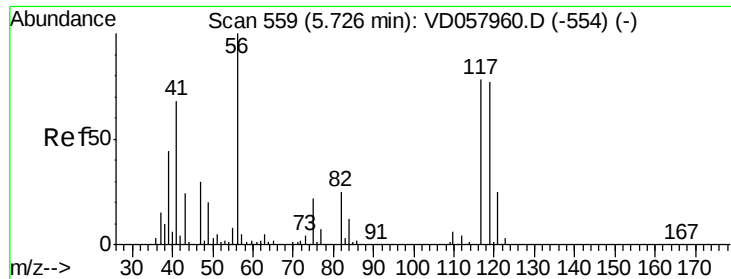
110 0.0 14.8 44.3#

77 0.0 23.9 35.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

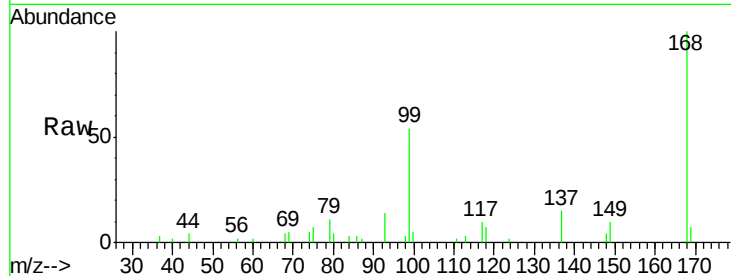




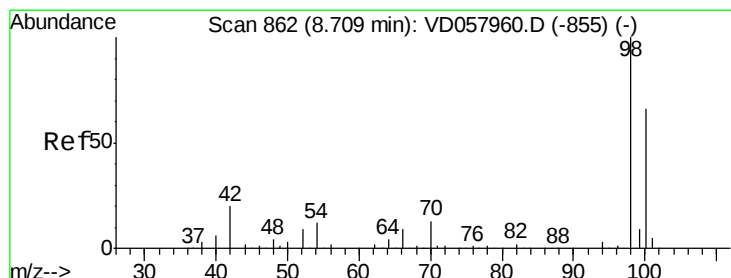
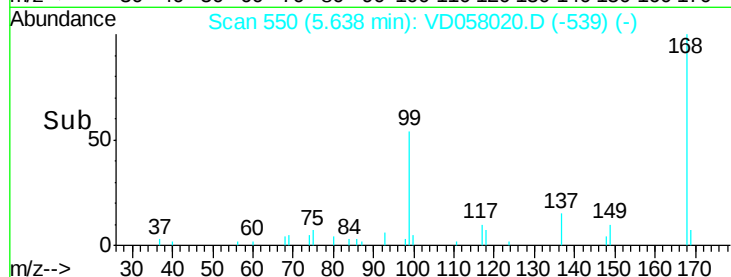
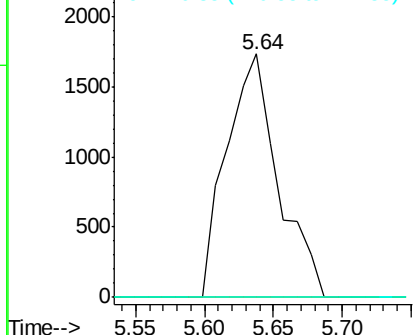
#38
Carbon Tetrachloride
Concen: 5.530 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.09 min
Lab File: VD058020.D
Acq: 8 Jun 2018 16:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 4520
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 24.9 37.3#

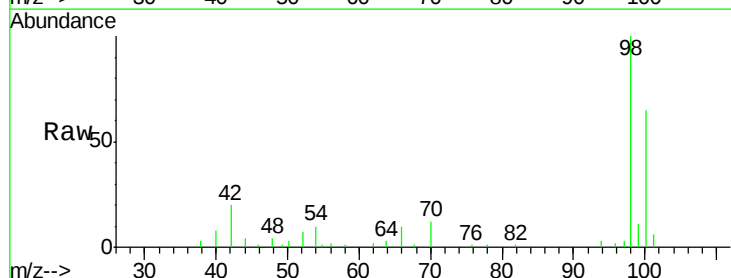


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

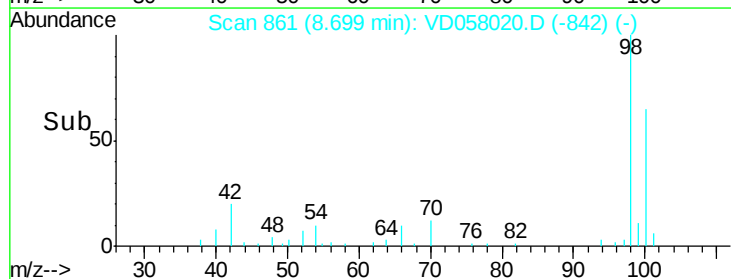
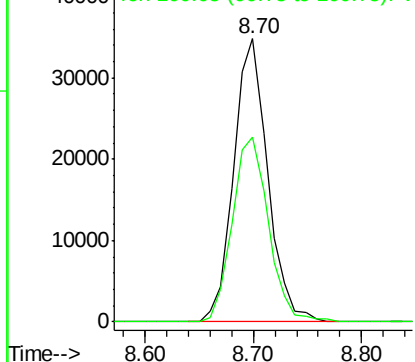


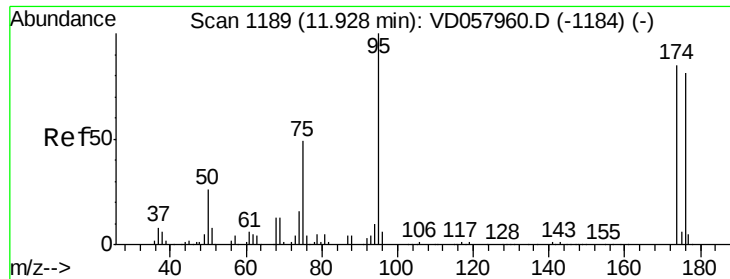
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058020.D
Acq: 8 Jun 2018 16:17

Tgt Ion: 98 Resp: 76033
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0



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

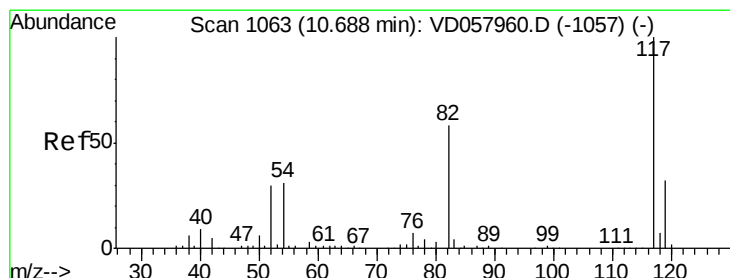
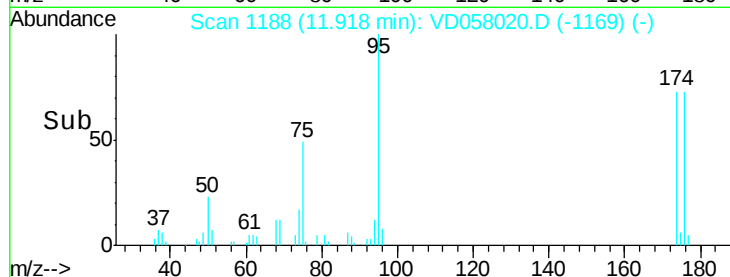
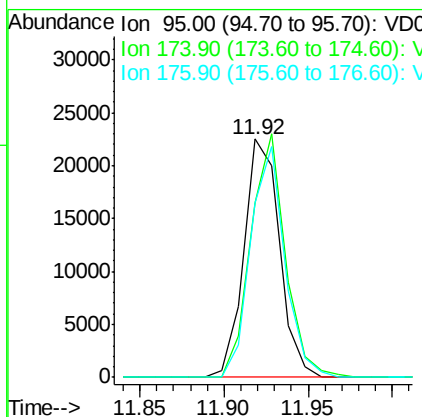
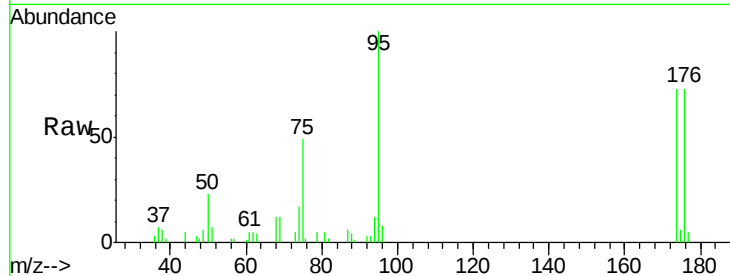




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD058020.D
Acq: 8 Jun 2018 16:17

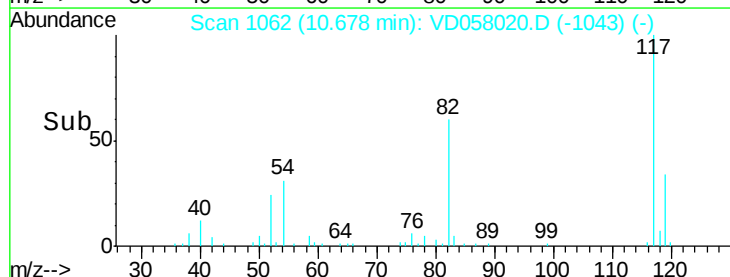
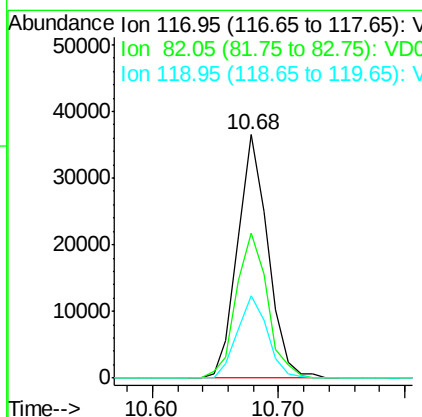
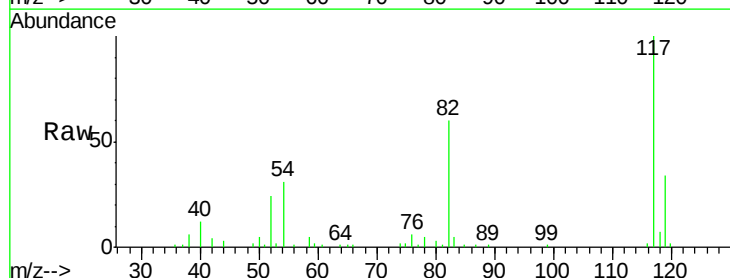
Instrument :
MSVOA_D
ClientSampleId :

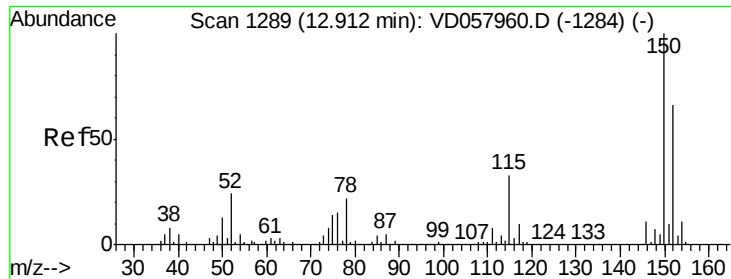
Tot Ion: 95 Resp: 32841
Ion Ratio Lower Upper
95 100
174 73.1 0.0 169.4
176 78.6 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058020.D
Acq: 8 Jun 2018 16:17

Tgt Ion: 117 Resp: 60832
Ion Ratio Lower Upper
117 100
82 59.6 46.8 70.2
119 33.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

Instrument :

MSVOA_D

ClientSampleId :

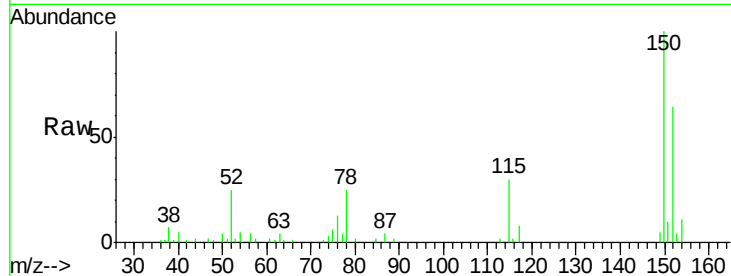
Tot Ion:152 Resp: 27852

Ion Ratio Lower Upper

152 100

115 50.8 25.6 76.6

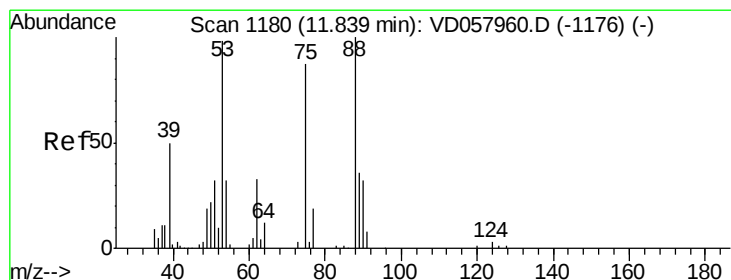
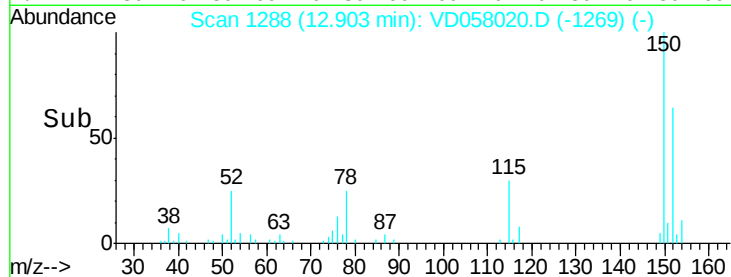
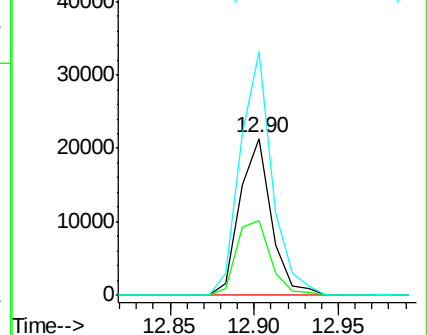
150 155.1 0.0 306.8



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: 148.776 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058020.D

Acq: 8 Jun 2018 16:17

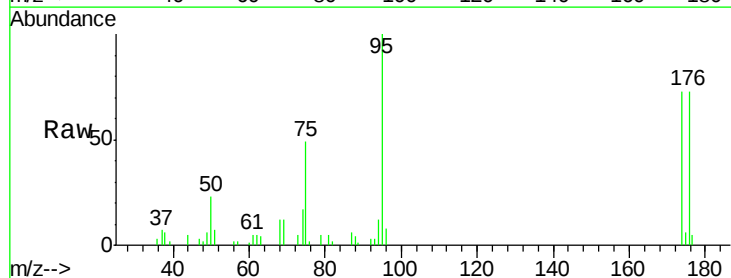
Tgt Ion: 75 Resp: 15417

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

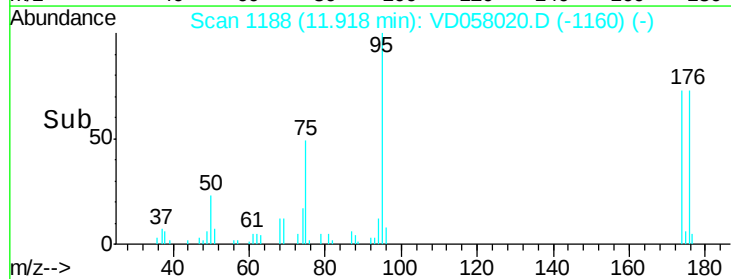
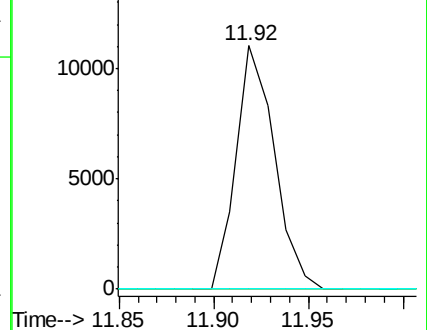
89 0.0 33.3 49.9#

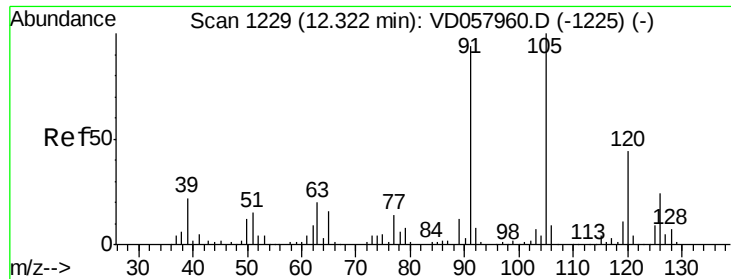


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058020.D
 Acq: 8 Jun 2018 16:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 559
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.5 37.5#

