

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059421.D
 Acq On : 26 Jun 2018 13:20
 Operator : VA/AP
 Sample : J3605-06RE
 Misc : 6.63g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 13:44:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	739082	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	974405	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	779092	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	407893	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	298941	39.55	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	79.10%	
35) Dibromofluoromethane	5.53	113	313300	39.47	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	78.94%	
50) Toluene-d8	8.69	98	645785	34.81	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	69.62%	
62) 4-Bromofluorobenzene	11.92	95	302188	39.15	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	78.30%	

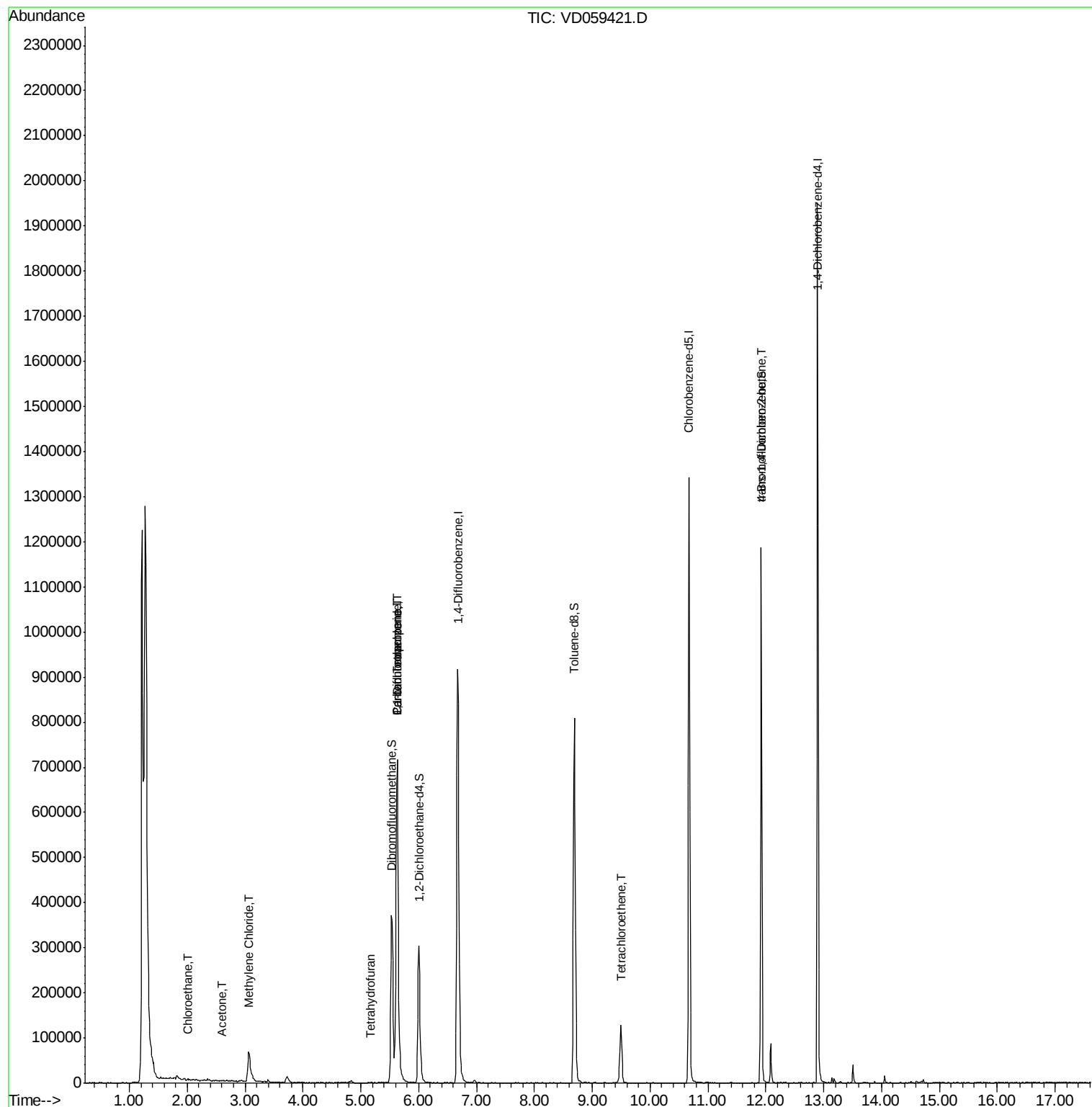
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.83	94	233	Below Cal	#	4
6) Chloroethane	2.02	64	182	2.02	ug/l #	41
16) Acetone	2.61	43	1641	1.72	ug/l #	55
18) Methyl Acetate	2.92	43	2026	Below Cal	#	66
20) Methylene Chloride	3.07	84	34609	11.14	ug/l	93
29) Tetrahydrofuran	5.17	42	1163	1.06	ug/l #	37
31) Cyclohexane	5.63	56	17761	Below Cal	#	4
36) 1,1-Dichloropropene	5.63	75	56242	6.36	ug/l #	55
38) Carbon Tetrachloride	5.63	117	61866	6.79	ug/l #	15
64) Tetrachloroethene	9.50	164	40306	5.90	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.92	75	144570	113.05	ug/l #	1

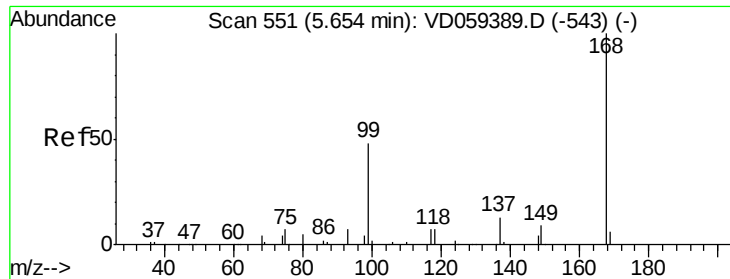
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059421.D

Acq: 26 Jun 2018 13:20

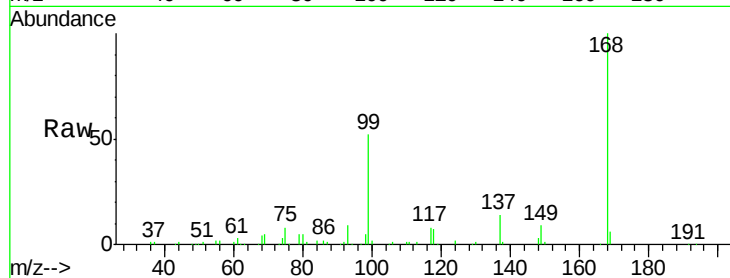
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 739082

Ion Ratio Lower Upper

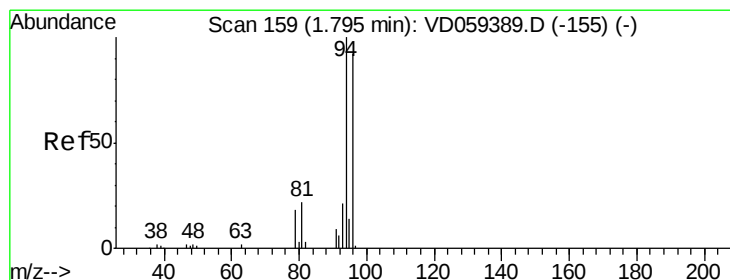
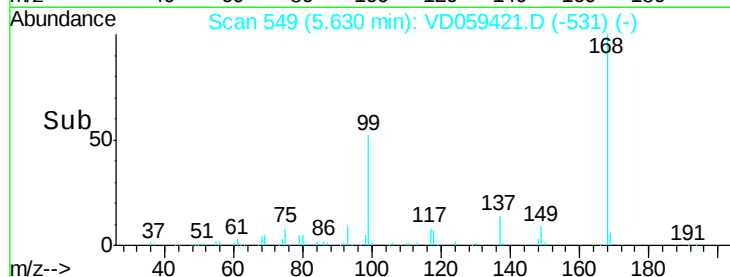
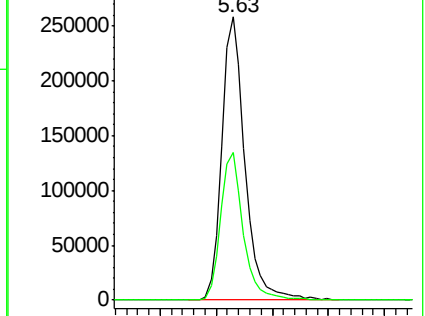
168 100

99 52.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 1.83 min Scan# 163

Delta R.T. 0.04 min

Lab File: VD059421.D

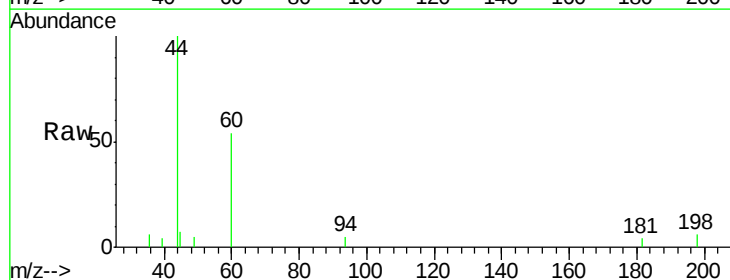
Acq: 26 Jun 2018 13:20

Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

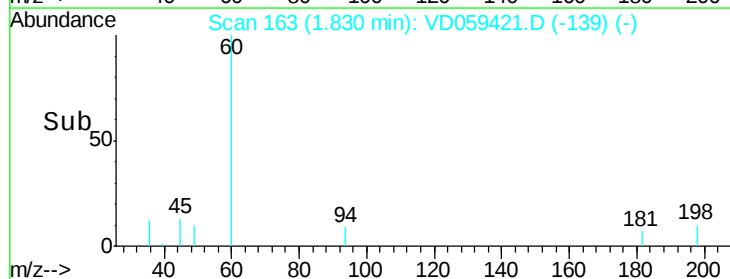
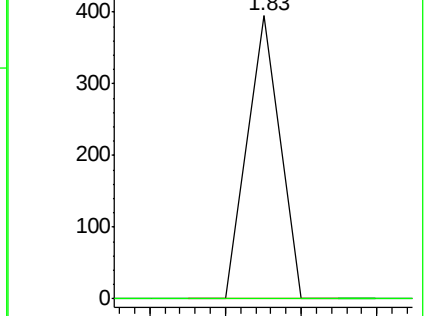
94 100

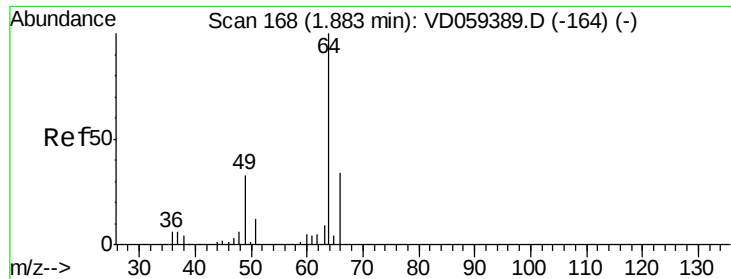
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 2.02 ug/l

RT: 2.02 min Scan# 182

Delta R.T. 0.13 min

Lab File: VD059421.D

Acq: 26 Jun 2018 13:20

Instrument :

MSVOA_D

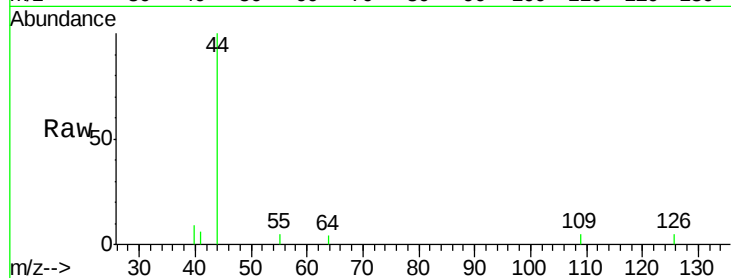
ClientSampleId :

Tot Ion: 64 Resp: 182

Ion Ratio Lower Upper

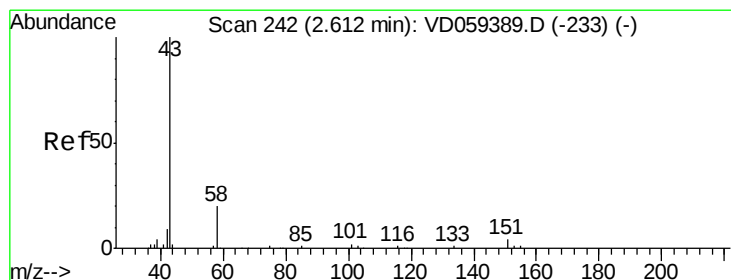
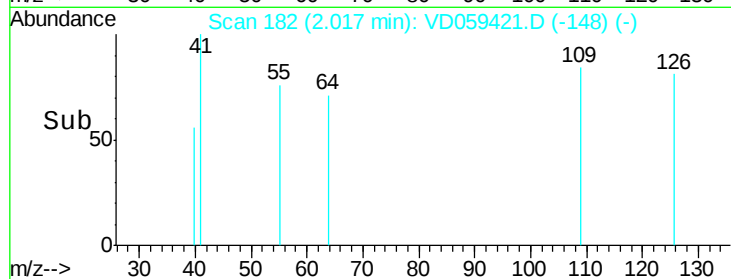
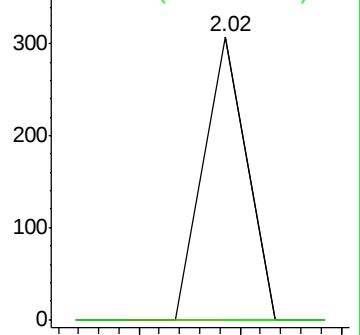
64 100

66 0.0 27.1 40.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#16

Acetone

Concen: 1.72 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD059421.D

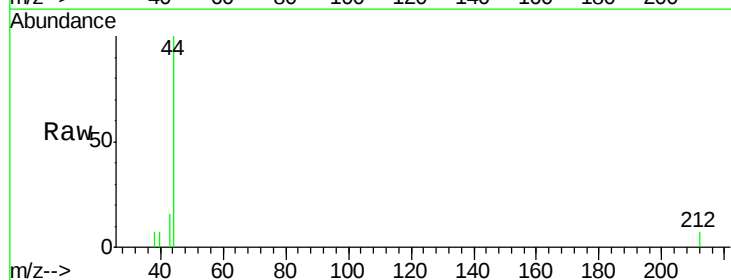
Acq: 26 Jun 2018 13:20

Tgt Ion: 43 Resp: 1641

Ion Ratio Lower Upper

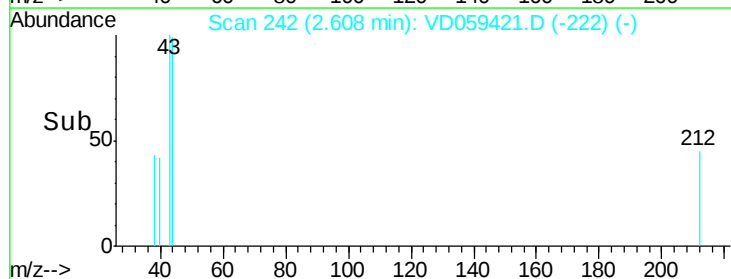
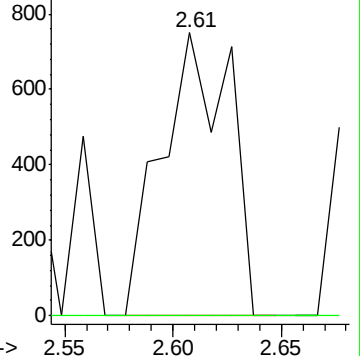
43 100

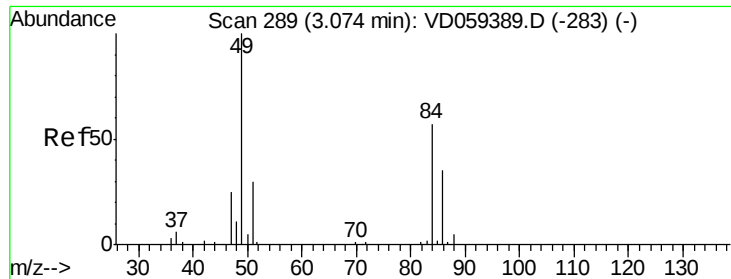
58 0.0 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



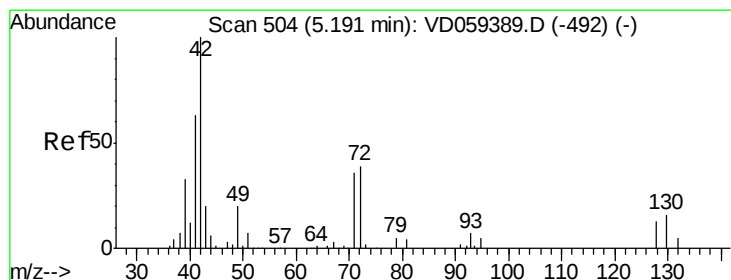
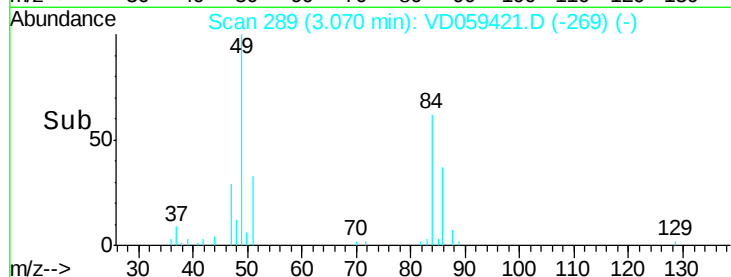
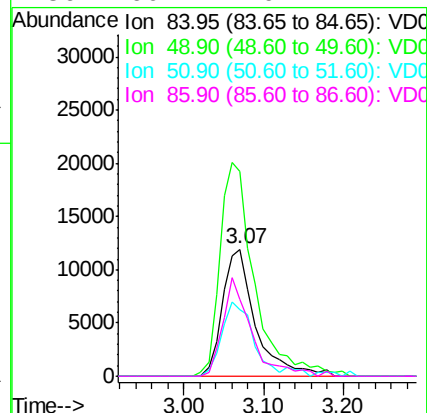
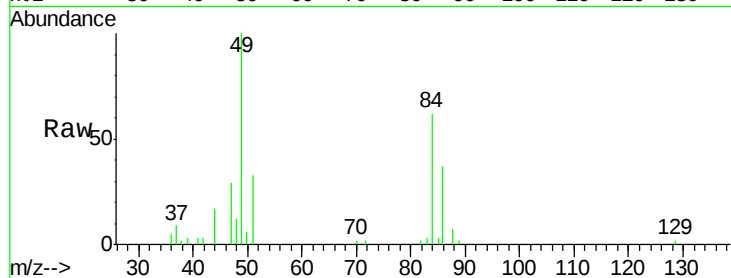


#20
Methvlene Chloride
Concen: 11.14 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD059421.D
Acq: 26 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 34609

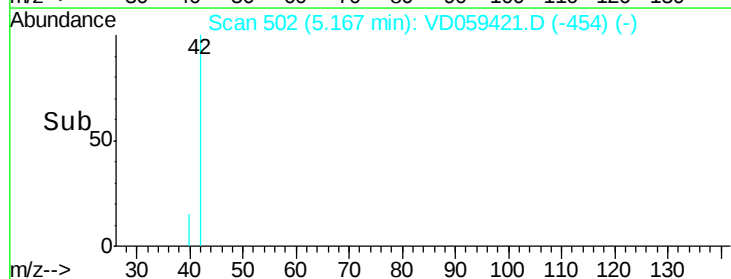
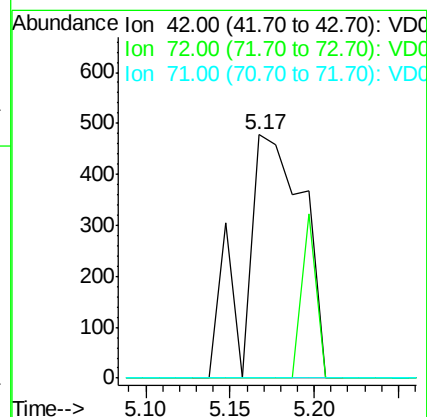
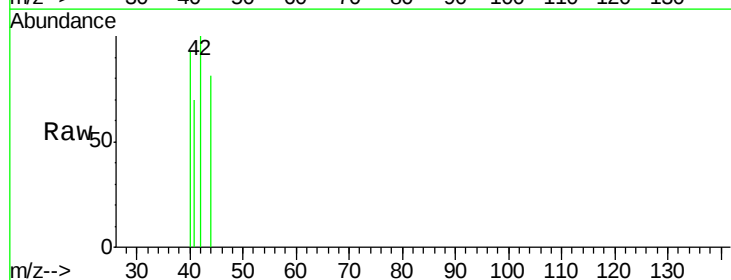
Ion	Ratio	Lower	Upper
84	100		
49	161.0	140.3	210.5
51	52.4	41.6	62.4
86	60.1	49.4	74.2

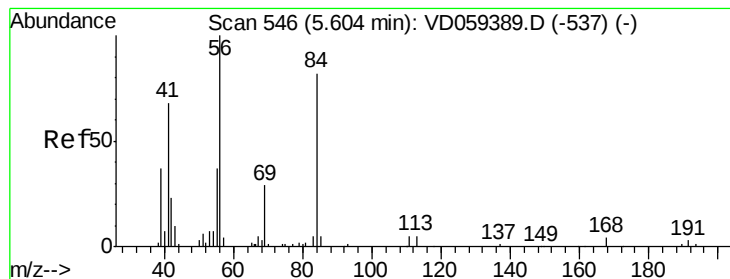


#29
Tetrahydrofuran
Concen: 1.06 ug/l
RT: 5.17 min Scan# 502
Delta R.T. -0.02 min
Lab File: VD059421.D
Acq: 26 Jun 2018 13:20

Tgt Ion: 42 Resp: 1163

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	0.0	29.7	44.5#





#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD059421.D

Acq: 26 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

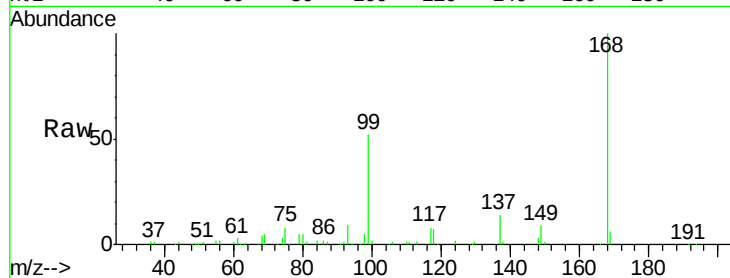
Tot Ion: 56 Resp: 17761

Ion Ratio Lower Upper

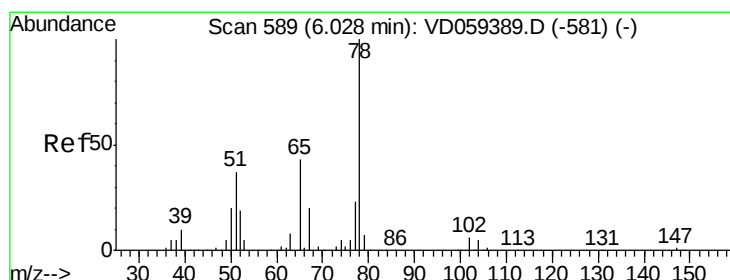
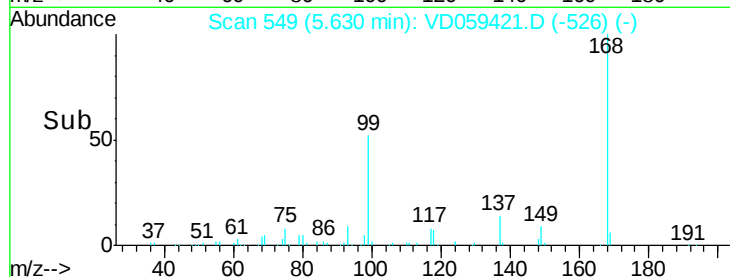
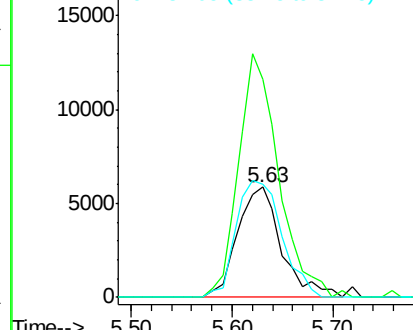
56 100

69 198.0 22.9 34.3#

84 102.0 67.3 100.9#



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: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059421.D

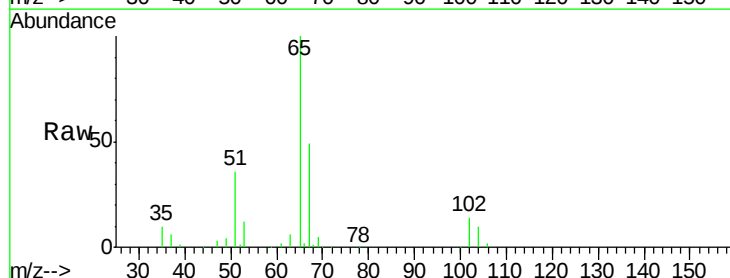
Acq: 26 Jun 2018 13:20

Tgt Ion: 65 Resp: 298941

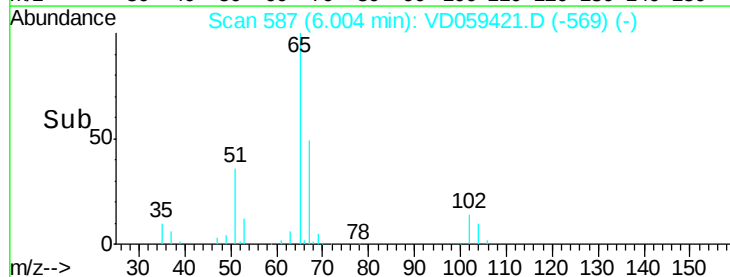
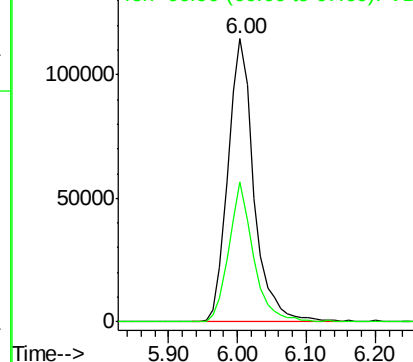
Ion Ratio Lower Upper

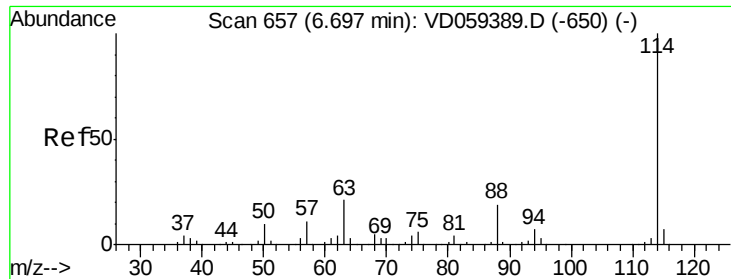
65 100

67 49.3 0.0 93.8



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

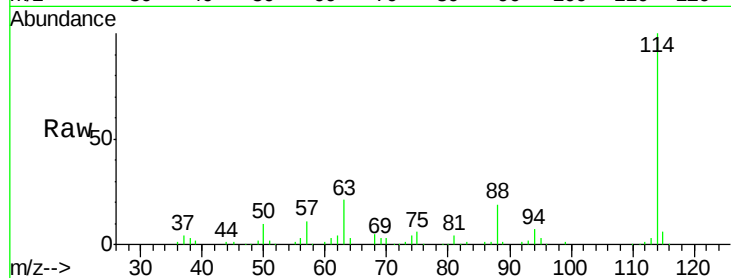




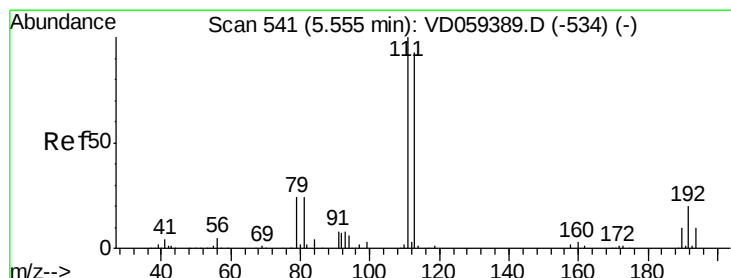
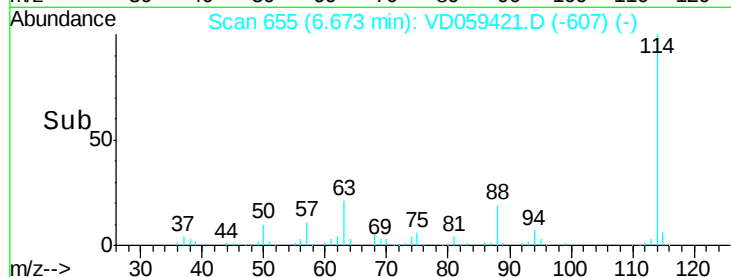
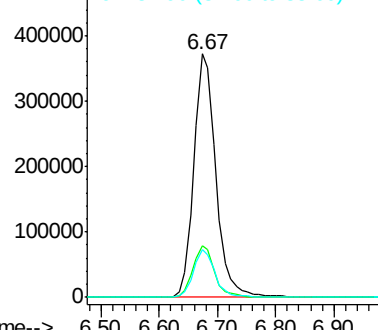
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD059421.D
 Acq: 26 Jun 2018 13:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 974405
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 19.5 0.0 38.0

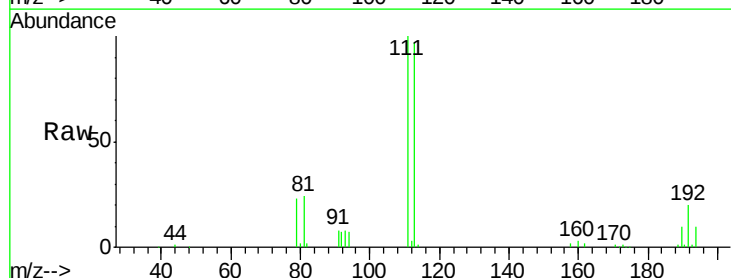


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

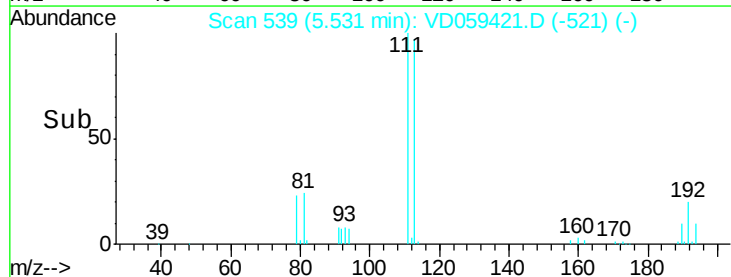
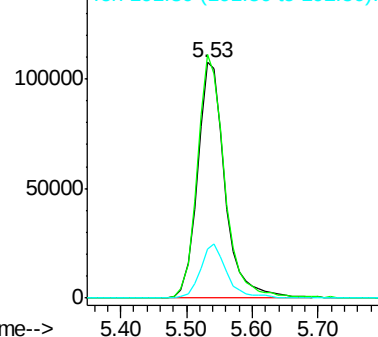


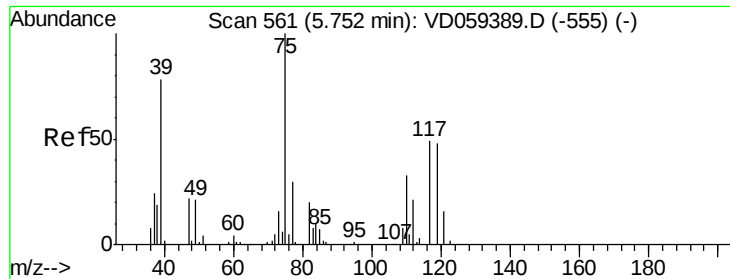
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059421.D
 Acq: 26 Jun 2018 13:20

Tgt Ion:113 Resp: 313300
 Ion Ratio Lower Upper
 113 100
 111 103.2 85.7 128.5
 192 20.9 16.9 25.3



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: 6.36 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD059421.D

Acq: 26 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampled :

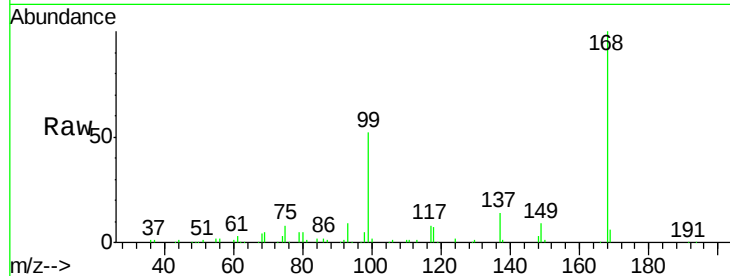
Tot Ion: 75 Resp: 56242

Ion Ratio Lower Upper

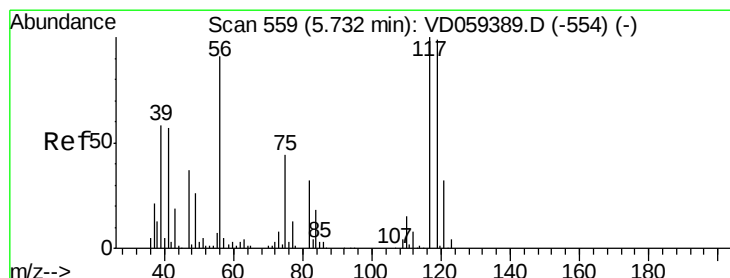
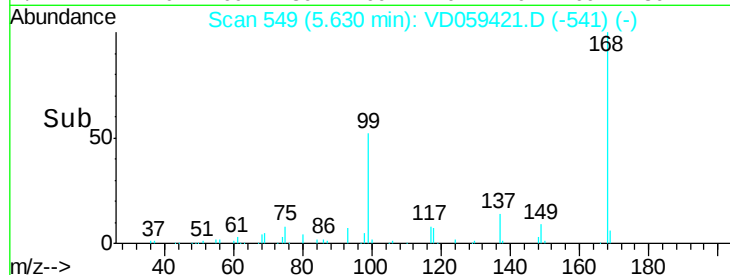
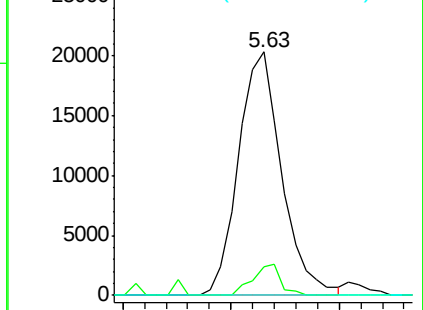
75 100

110 11.5 16.1 48.2#

77 0.0 23.4 35.2#



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: 6.79 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059421.D

Acq: 26 Jun 2018 13:20

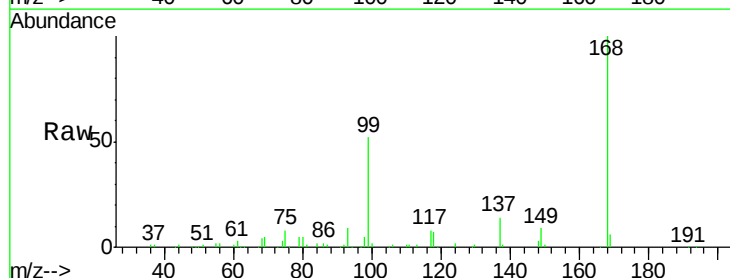
Tgt Ion: 117 Resp: 61866

Ion Ratio Lower Upper

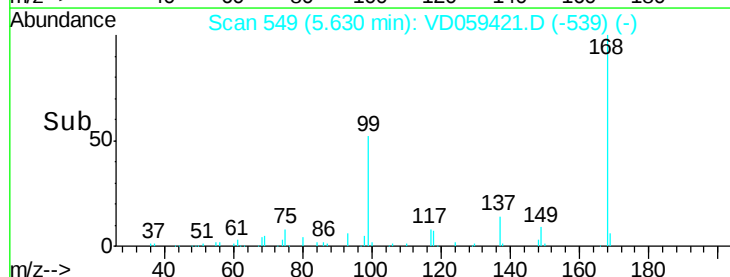
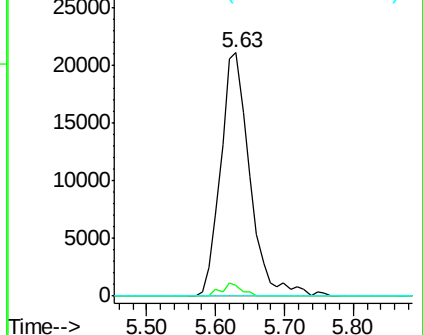
117 100

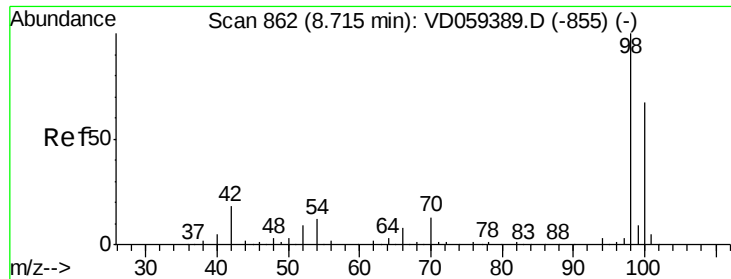
119 4.5 76.6 115.0#

121 0.0 25.0 37.4#



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

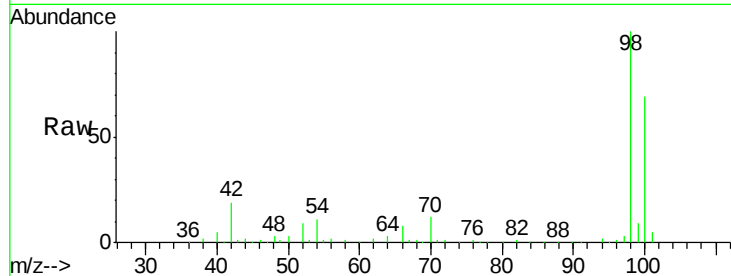




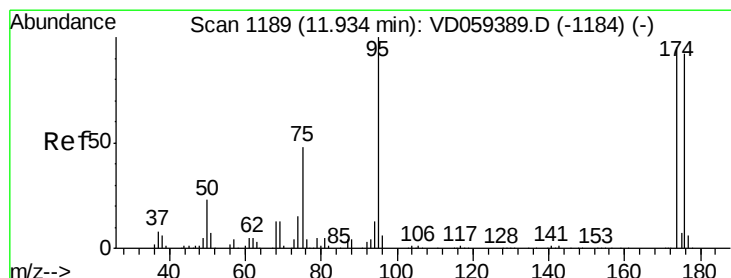
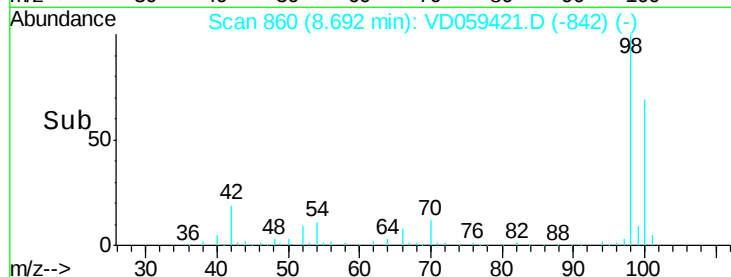
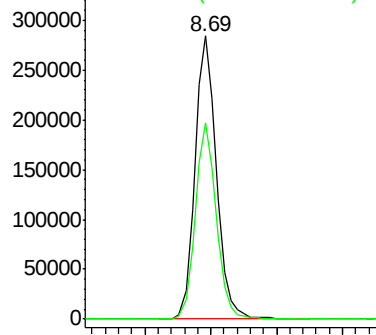
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD059421.D
Acq: 26 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 645785
Ion Ratio Lower Upper
98 100
100 69.2 54.4 81.6

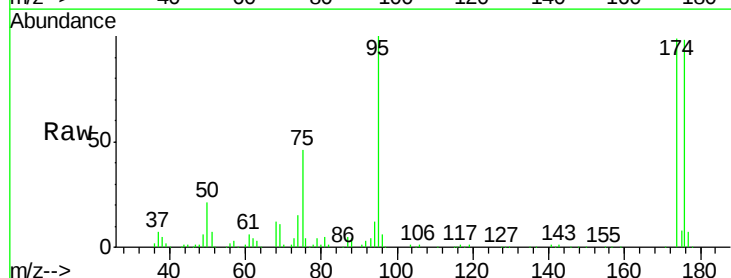


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

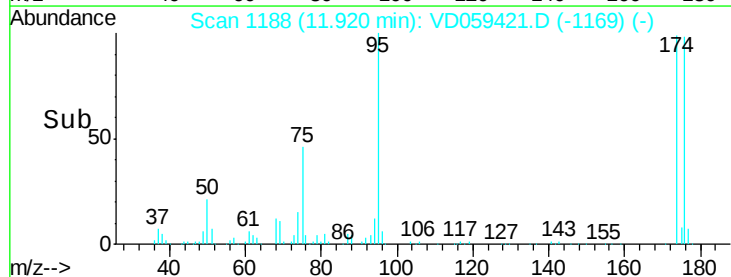
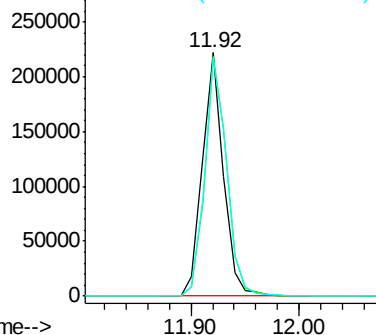


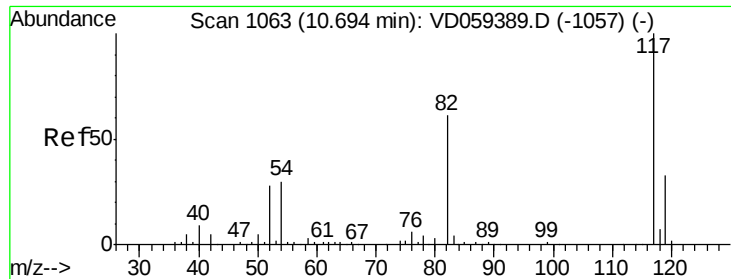
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059421.D
Acq: 26 Jun 2018 13:20

Tgt Ion: 95 Resp: 302188
Ion Ratio Lower Upper
95 100
174 98.6 0.0 190.4
176 98.1 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

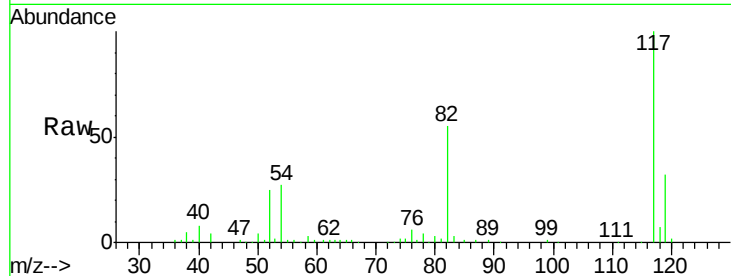




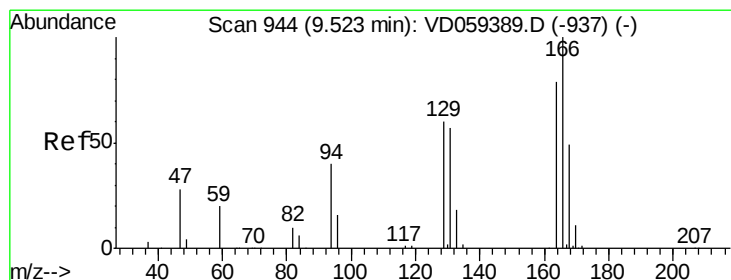
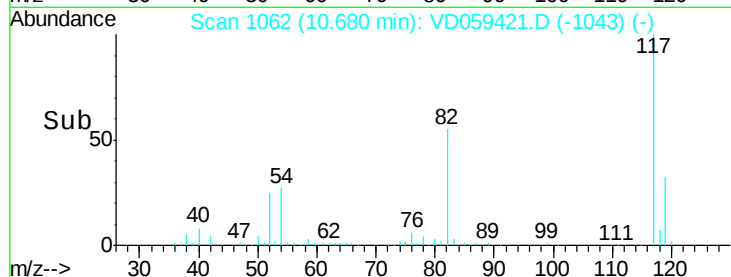
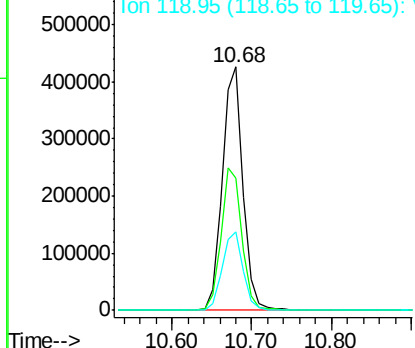
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059421.D
Acq: 26 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 779092
Ion Ratio Lower Upper
117 100
82 54.5 49.0 73.6
119 32.2 26.2 39.4

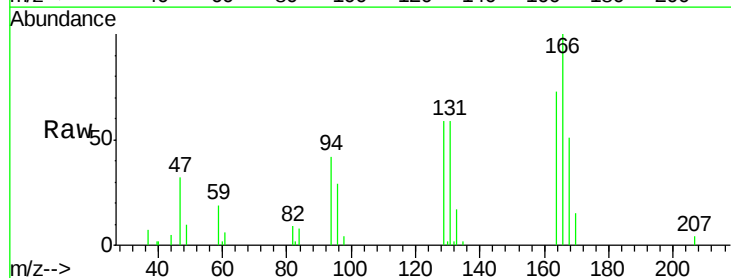


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

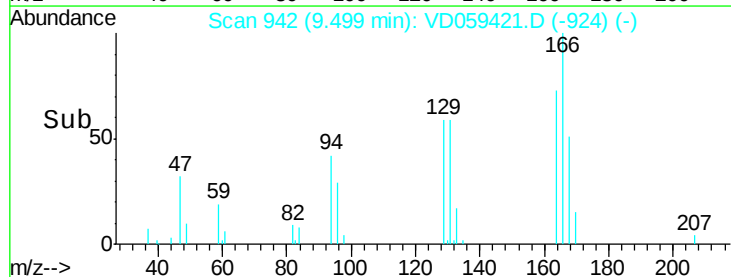
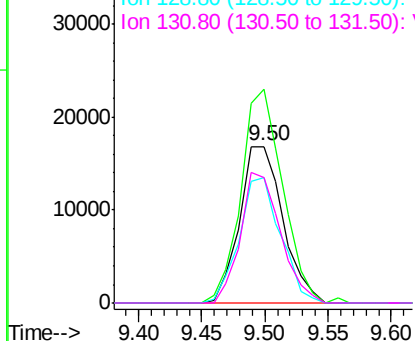


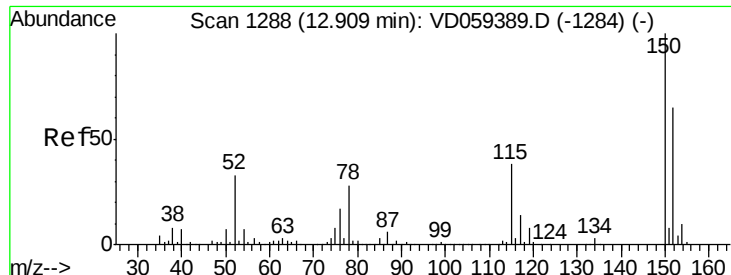
#64
Tetrachloroethene
Concen: 5.90 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.02 min
Lab File: VD059421.D
Acq: 26 Jun 2018 13:20

Tgt Ion:164 Resp: 40306
Ion Ratio Lower Upper
164 100
166 136.5 101.4 152.2
129 80.1 60.9 91.3
131 80.6 58.2 87.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



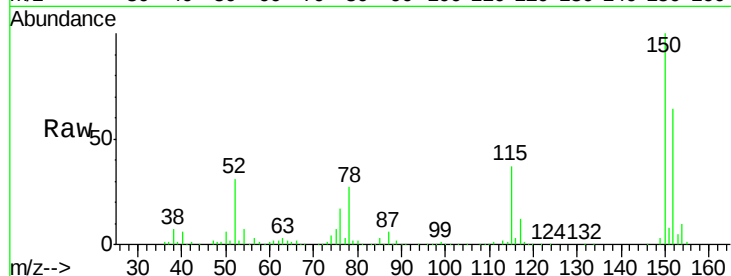


#72

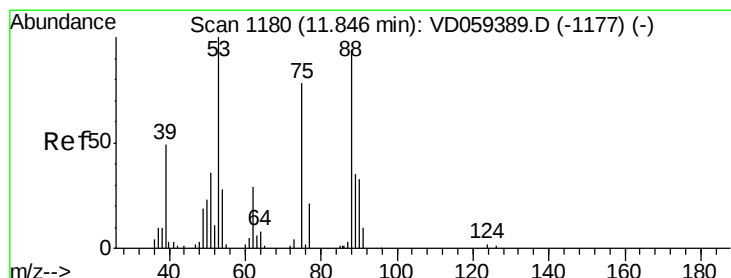
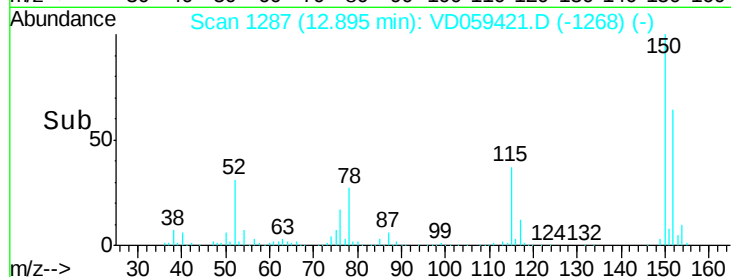
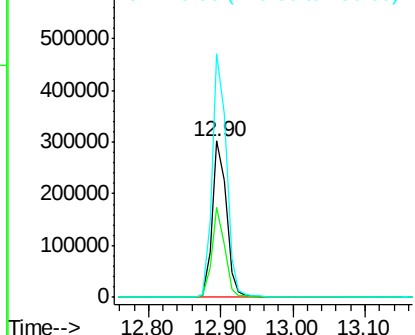
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD059421.D
Acq: 26 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 407893
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.3
150 155.6 0.0 308.2



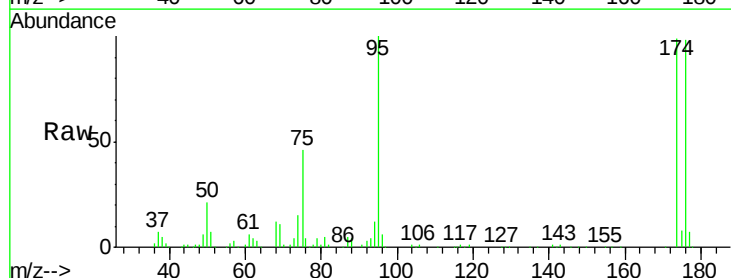
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 113.05 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.07 min
Lab File: VD059421.D
Acq: 26 Jun 2018 13:20

Tgt Ion: 75 Resp: 144570
Ion Ratio Lower Upper
75 100
53 0.0 102.6 154.0#
89 0.0 35.9 53.9#



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

