

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060579.D
 Acq On : 14 Dec 2018 17:58
 Operator : VA/AP
 Sample : J6403-33
 Misc : 5.44g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:24:36 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	6.39	168	739219	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1055366	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	790655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	297171	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	347659	66.35	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	132.70%	
35) Dibromofluoromethane	6.30	113	416392	53.72	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	9.43	98	1042720	46.48	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.96%	
62) 4-Bromofluorobenzene	12.42	95	318168	39.64	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	79.28%	

Target Compounds

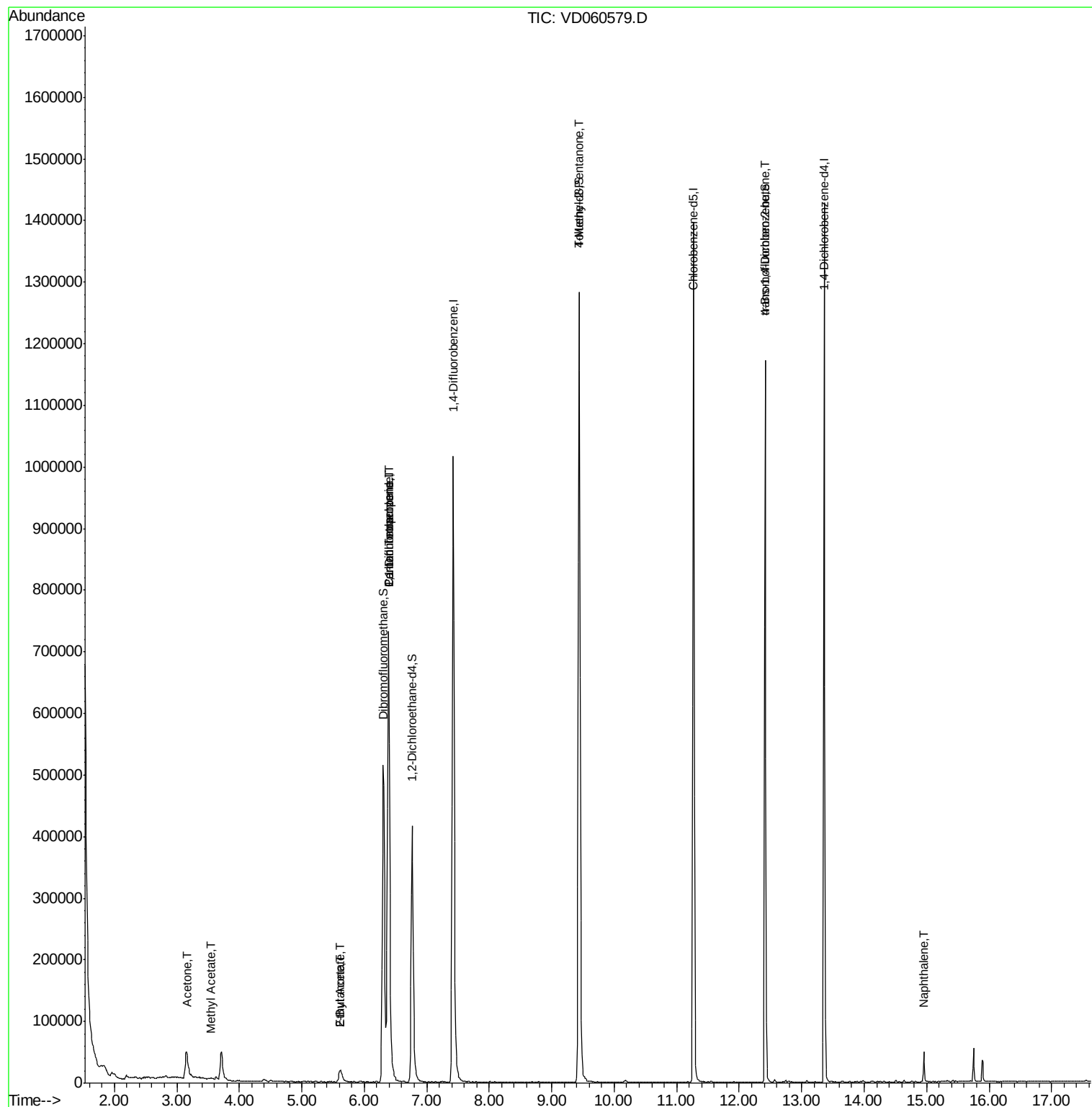
					Qvalue
16) Acetone	3.16	43	106500	126.807 ug/l	97
18) Methyl Acetate	3.56	43	4921	2.465 ug/l #	64
20) Methylene Chloride	3.72	84	31692	Below Cal	96
25) 2-Butanone	5.60	43	28453	17.220 ug/l #	92
31) Cyclohexane	6.38	56	13215	Below Cal #	1
36) 1,1-Dichloropropene	6.38	75	52162	5.056 ug/l #	45
37) Ethyl Acetate	5.60	43	28453	6.360 ug/l #	68
38) Carbon Tetrachloride	6.39	117	58505	6.317 ug/l #	16
51) 4-Methyl-2-Pentanone	9.43	43	6018	1.752 ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.42	75	130144	138.583 ug/l #	14
95) Naphthalene	14.95	128	30970	4.072 ug/l #	95

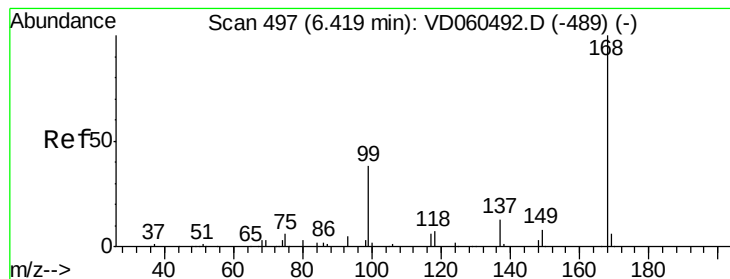
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Dec 14 22:24:36 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: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060579.D

Acq: 14 Dec 2018 17:58

Instrument :

MSVOA_D

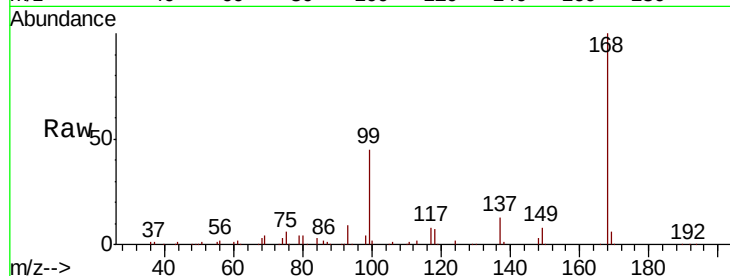
ClientSampleId :

Tot Ion:168 Resp: 739219

Ion Ratio Lower Upper

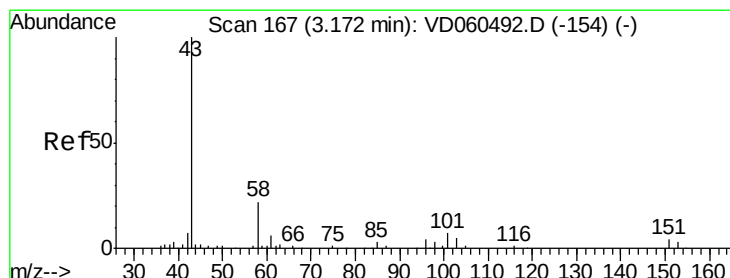
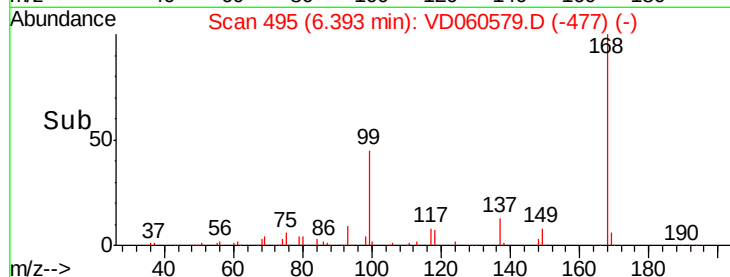
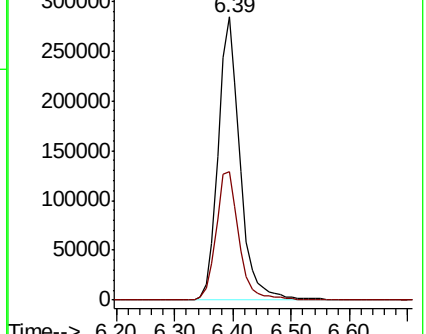
168 100

99 45.5 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 126.807 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060579.D

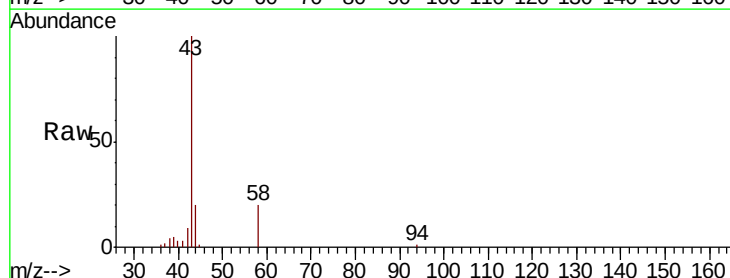
Acq: 14 Dec 2018 17:58

Tgt Ion: 43 Resp: 106500

Ion Ratio Lower Upper

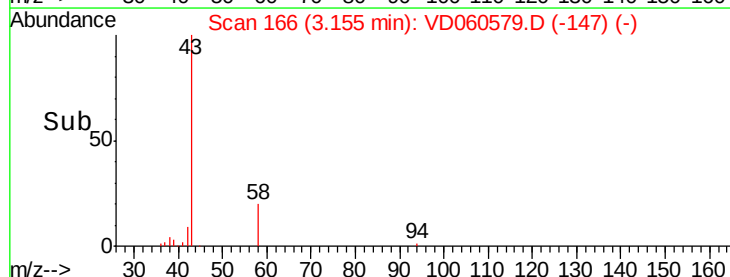
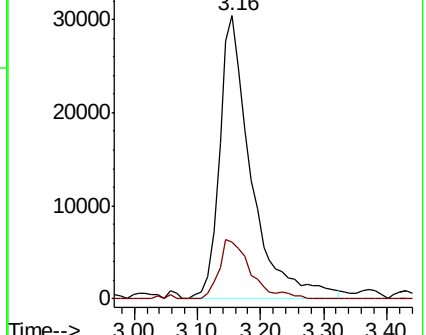
43 100

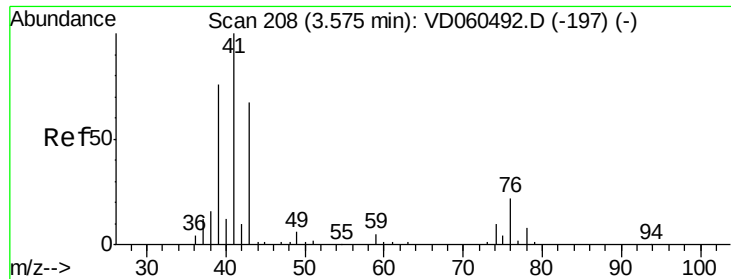
58 20.1 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

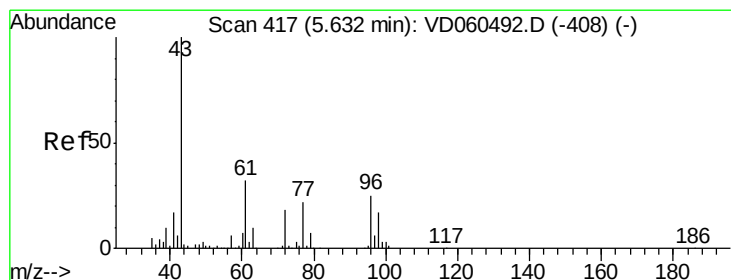
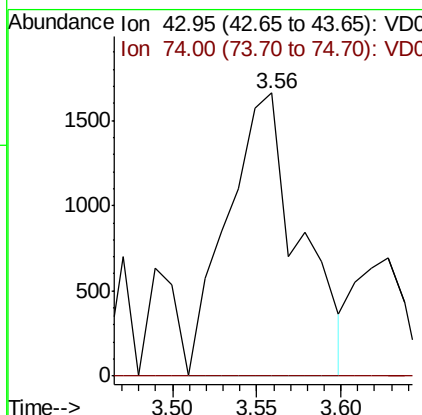
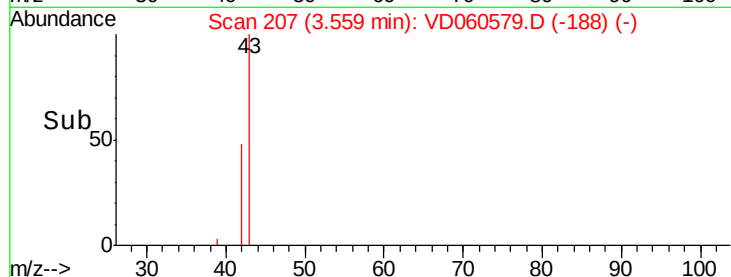
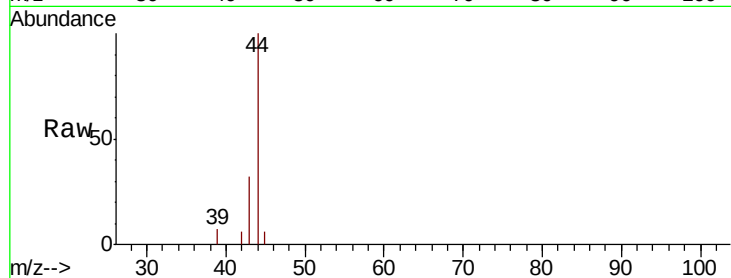




#18
Methyl Acetate
Concen: 2.465 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.02 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

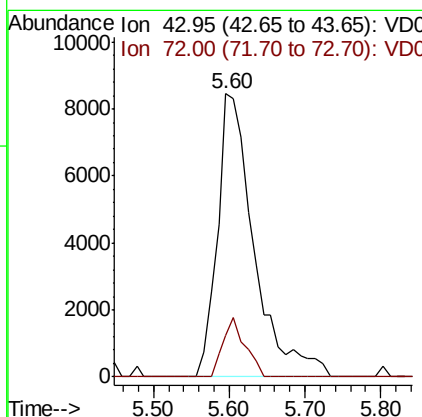
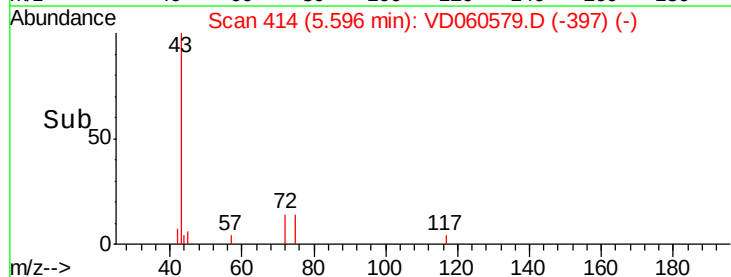
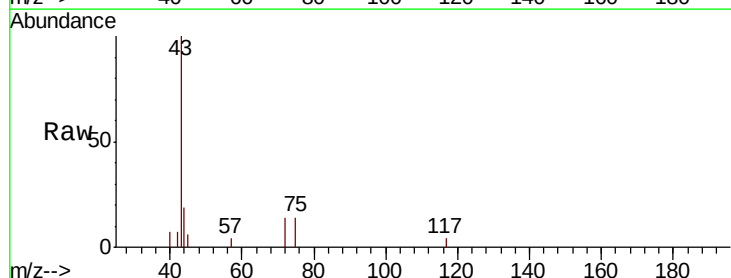
Instrument :
MSVOA_D
ClientSampled :

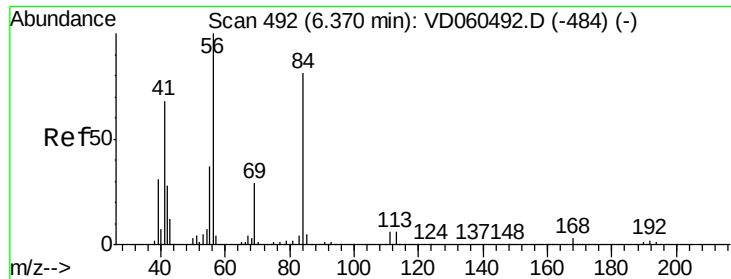
Tot Ion: 43 Resp: 4921
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#25
2-Butanone
Concen: 17.220 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.04 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

Tgt Ion: 43 Resp: 28453
Ion Ratio Lower Upper
43 100
72 14.5 14.6 21.8#

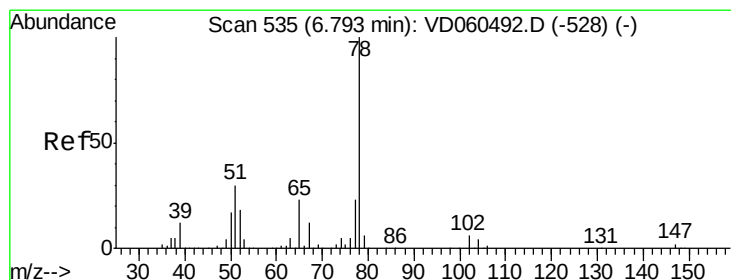
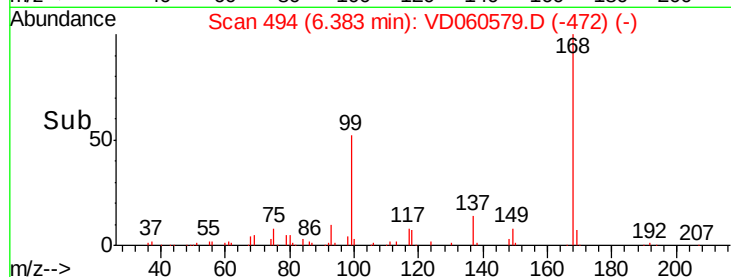
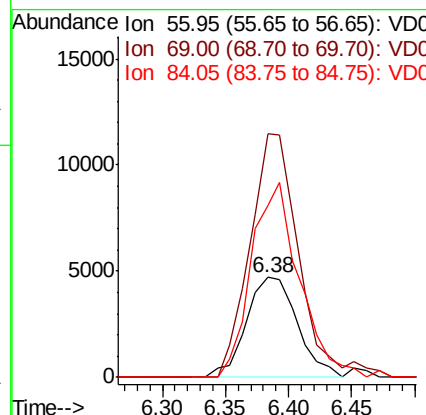
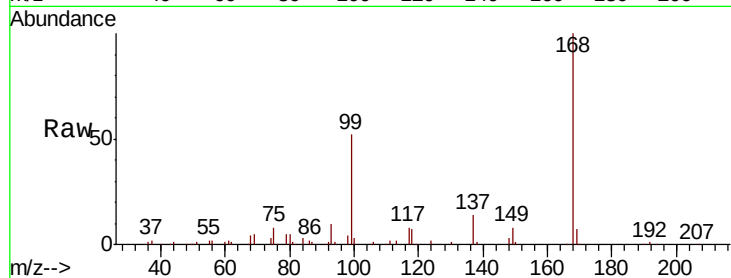




#31
Cyclohexane
Concen: Below Cal
RT: 6.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

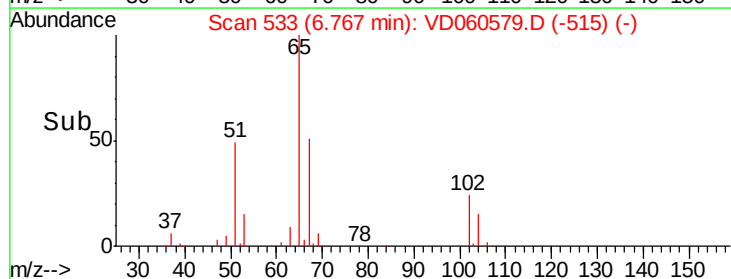
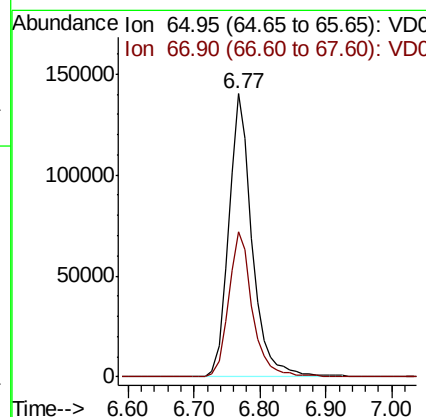
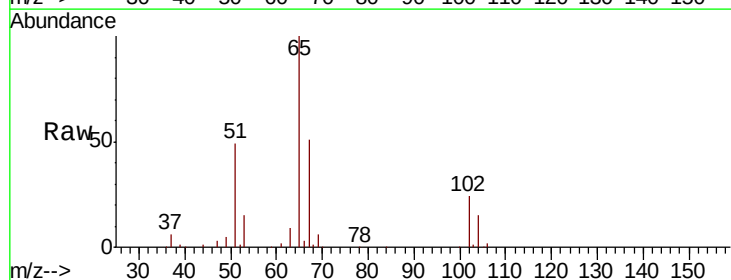
Instrument :
MSVOA_D
ClientSampleId :

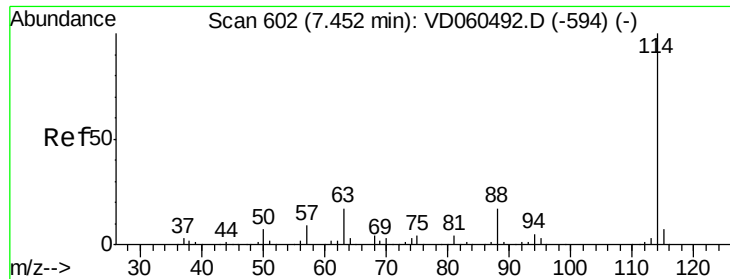
Tot Ion	56	69	84	Resp	13215	Lower	Upper
56	100						
69	244.3	22.8			34.2#		
84	172.9	65.1			97.7#		



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

Tgt Ion	65	67	Resp	347659	Lower	Upper
65	100					
67	51.4	0.0		106.8		

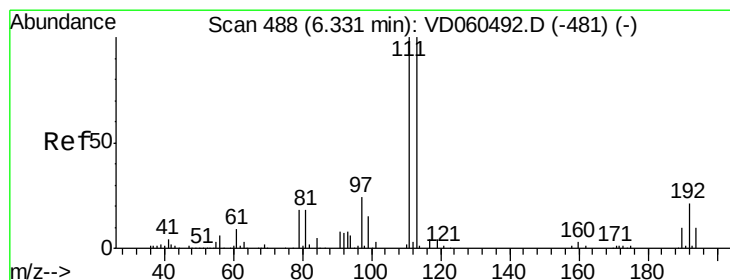
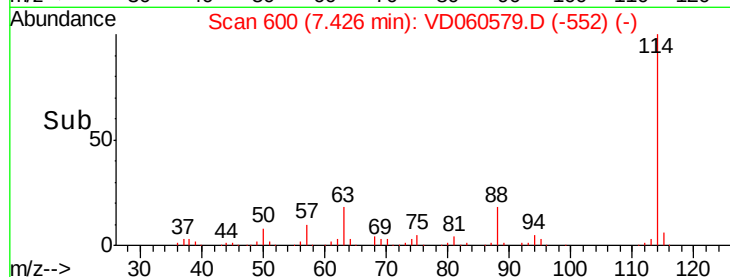
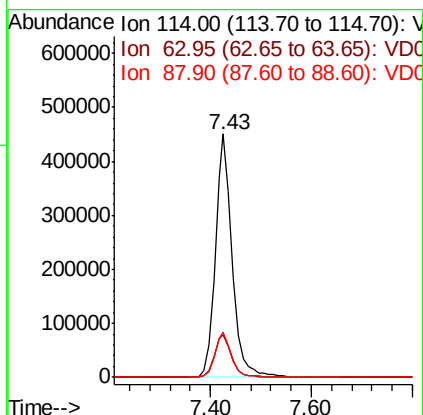
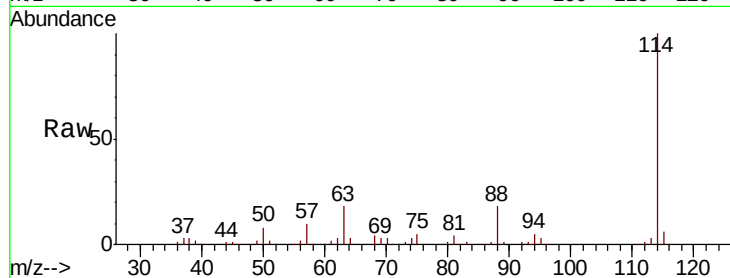




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.43 min Scan# 600
Delta R.T. -0.03 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

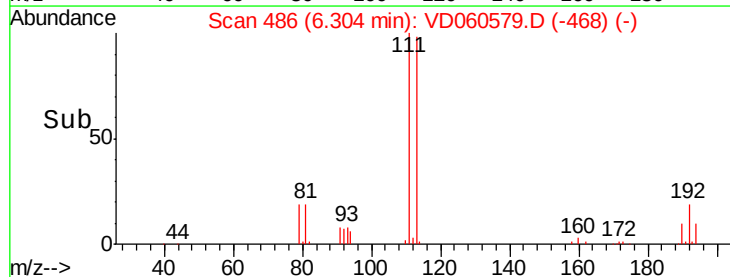
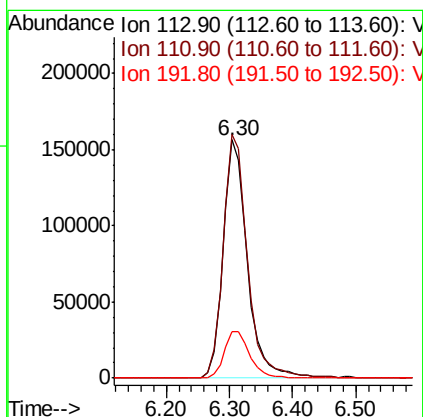
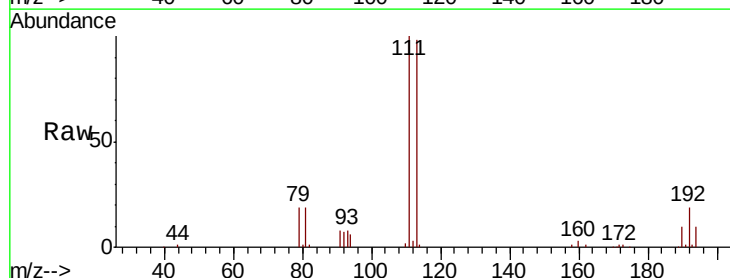
Instrument :
MSVOA_D
ClientSampleId :

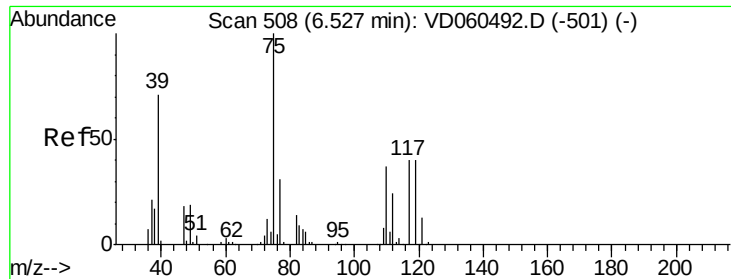
Tot Ion:114 Resp: 1055366
Ion Ratio Lower Upper
114 100
63 17.6 0.0 34.2
88 18.4 0.0 35.0



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 486
Delta R.T. -0.03 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

Tgt Ion:113 Resp: 416392
Ion Ratio Lower Upper
113 100
111 102.3 80.2 120.4
192 19.6 16.6 24.8

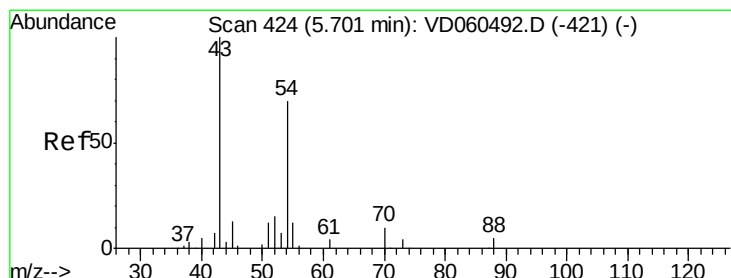
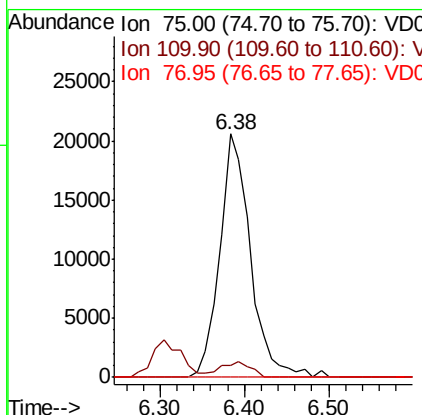
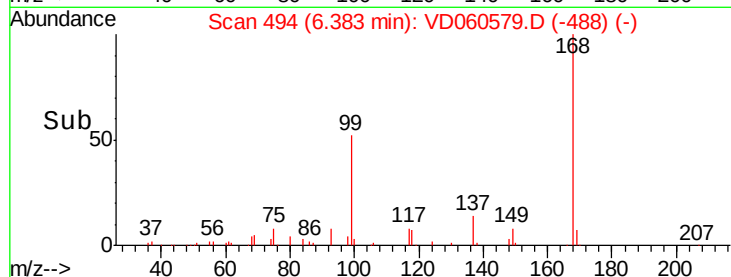
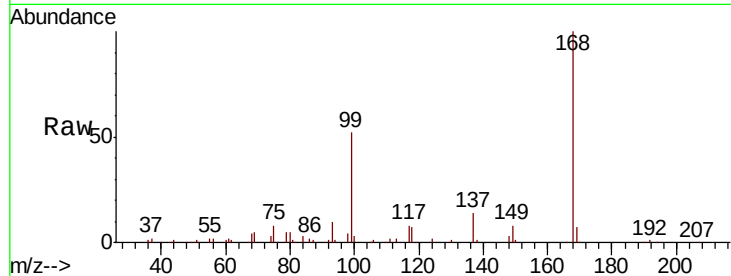




#36
 1,1-Dichloropropene
 Concen: 5.056 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060579.D
 Acq: 14 Dec 2018 17:58

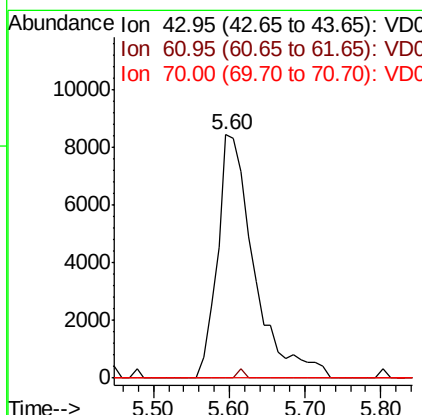
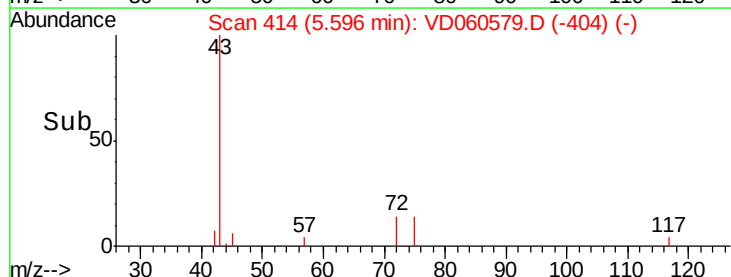
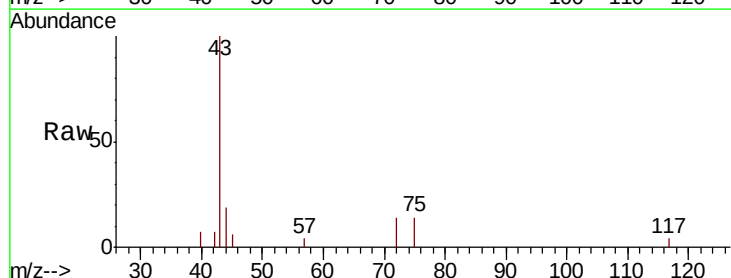
Instrument :
 MSVOA_D
 ClientSampled :

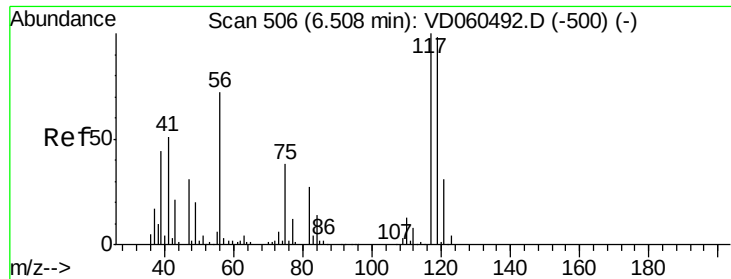
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.7	18.3	54.8#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 6.360 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.10 min
 Lab File: VD060579.D
 Acq: 14 Dec 2018 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.4	18.6#
70	0.0	5.4	8.0#

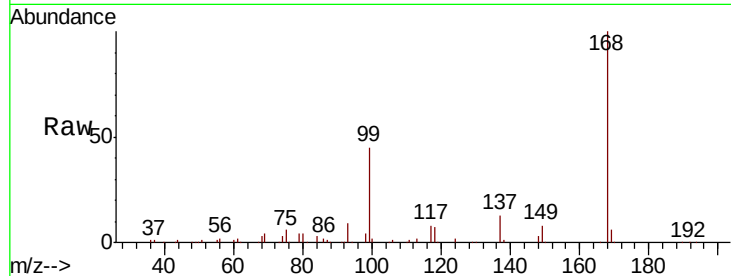




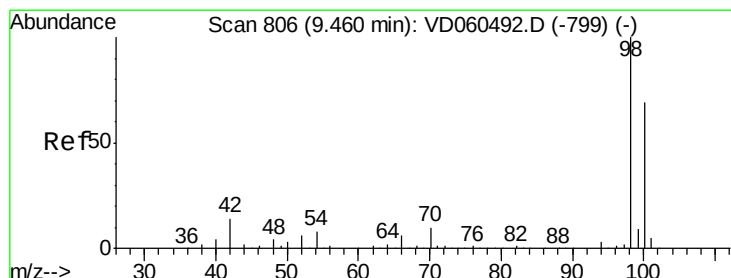
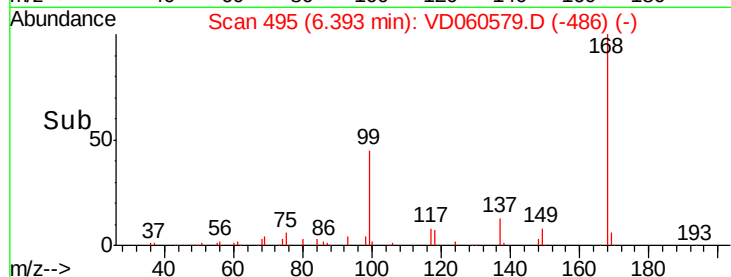
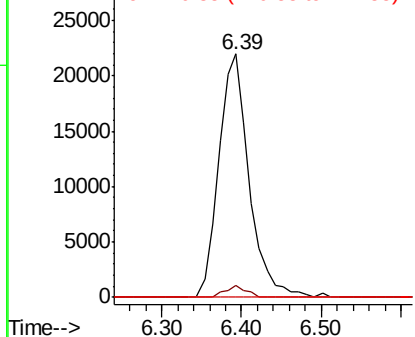
#38
Carbon Tetrachloride
Concen: 6.317 ug/l
RT: 6.39 min Scan# 495
Delta R.T. -0.11 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 58505
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.4 36.6#

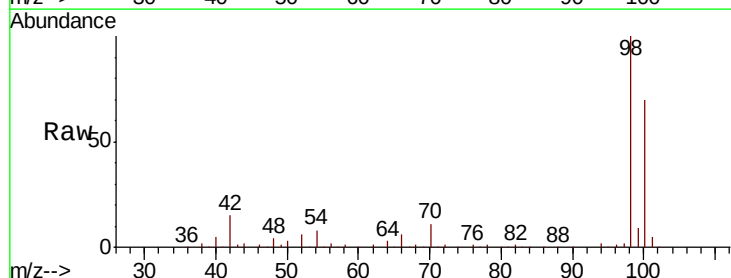


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

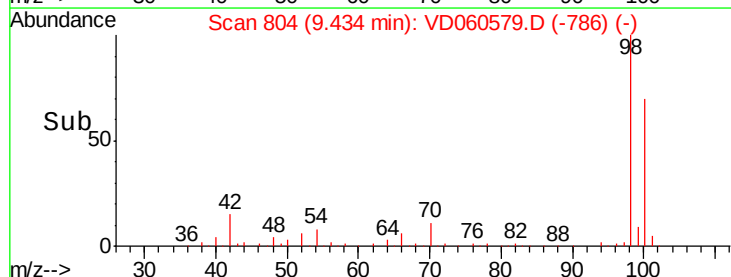
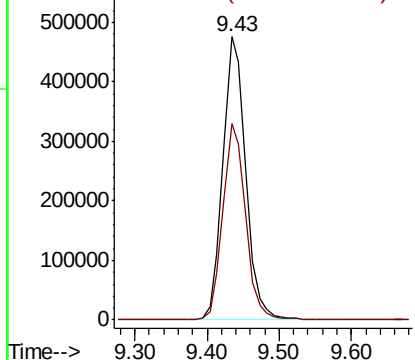


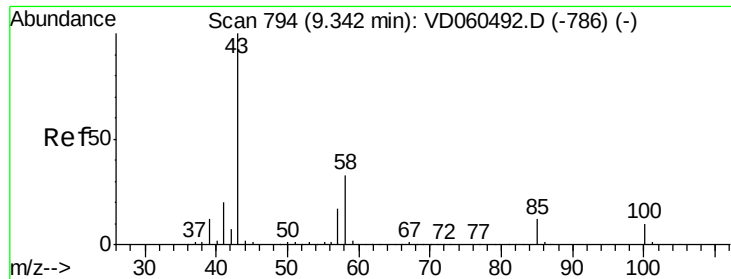
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

Tgt Ion: 98 Resp: 1042720
Ion Ratio Lower Upper
98 100
100 69.5 55.7 83.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.752 ug/l

RT: 9.43 min Scan# 804

Delta R.T. 0.09 min

Lab File: VD060579.D

Acq: 14 Dec 2018 17:58

Instrument :

MSVOA_D

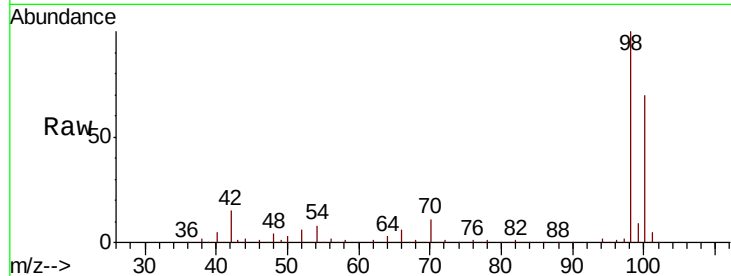
ClientSampled :

Tot Ion: 43 Resp: 6018

Ion Ratio Lower Upper

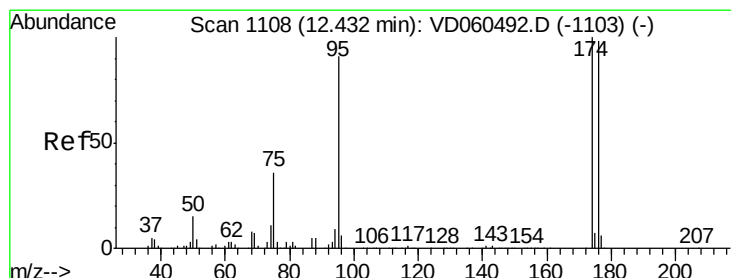
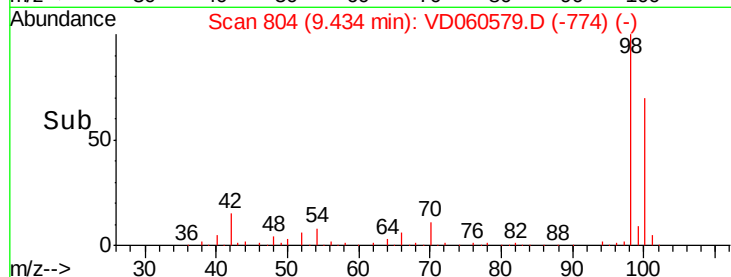
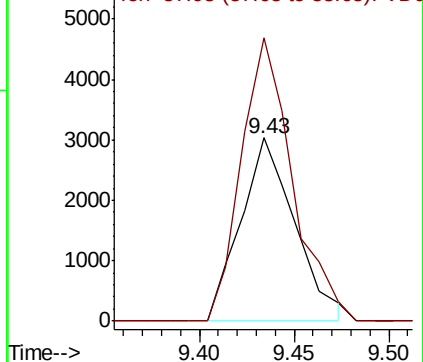
43 100

58 154.4 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: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060579.D

Acq: 14 Dec 2018 17:58

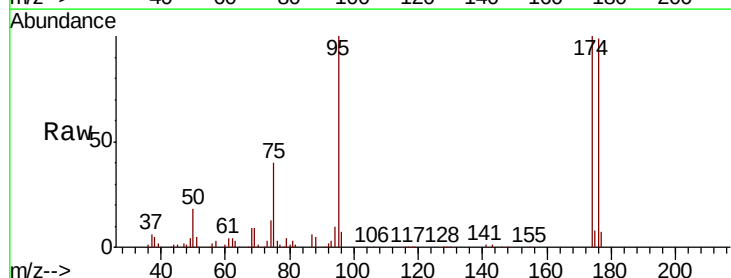
Tgt Ion: 95 Resp: 318168

Ion Ratio Lower Upper

95 100

174 100.1 0.0 219.4

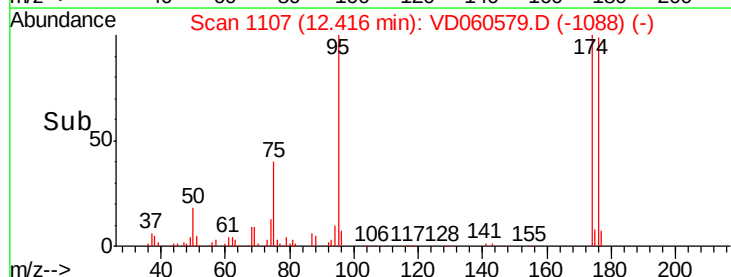
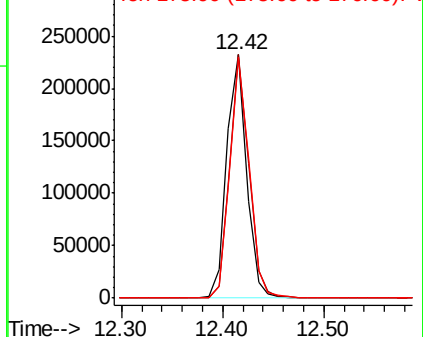
176 99.3 0.0 214.6

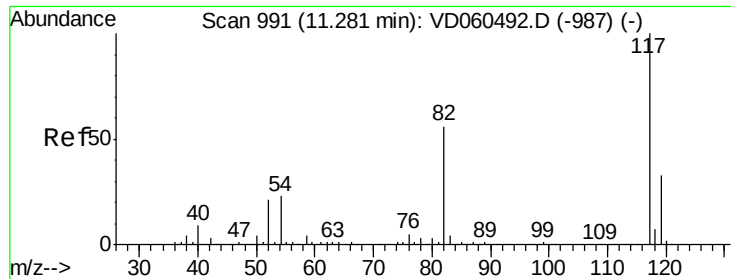


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

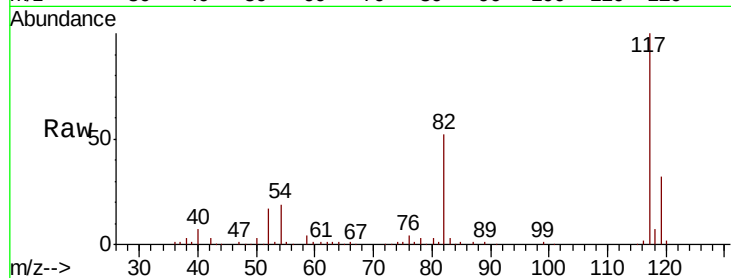




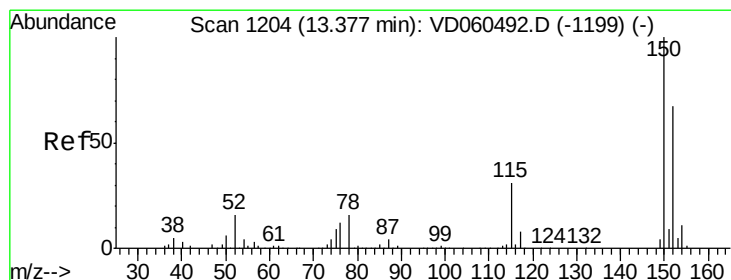
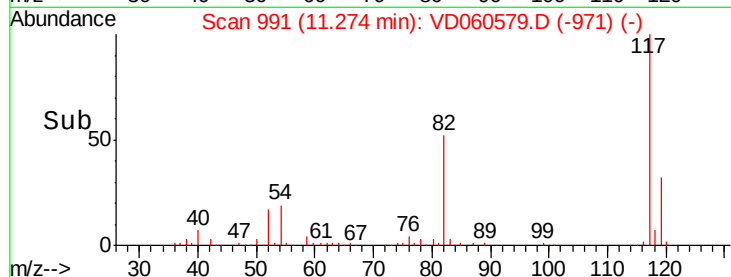
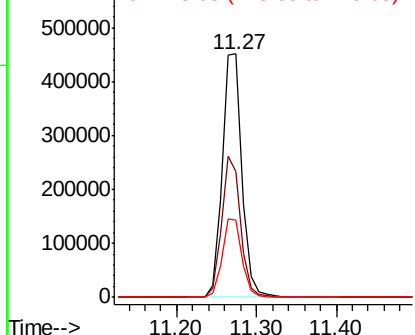
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 790655
Ion Ratio Lower Upper
117 100
82 51.6 45.2 67.8
119 31.8 26.1 39.1

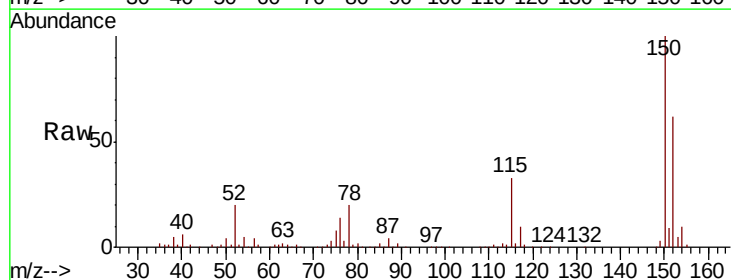


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

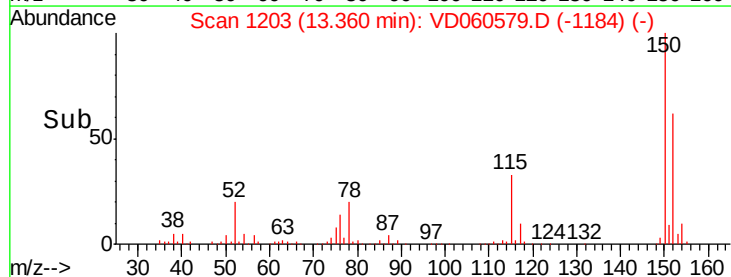
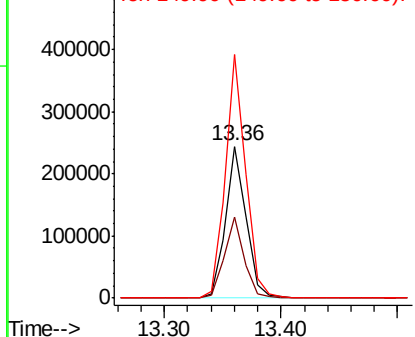


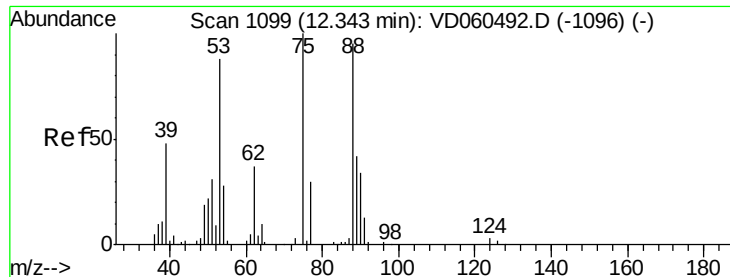
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060579.D
Acq: 14 Dec 2018 17:58

Tgt Ion:152 Resp: 297171
Ion Ratio Lower Upper
152 100
115 53.1 24.6 74.0
150 160.1 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

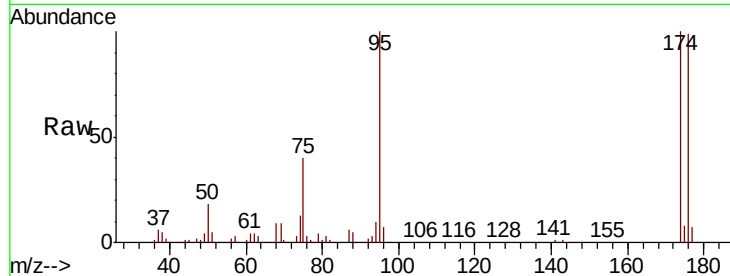




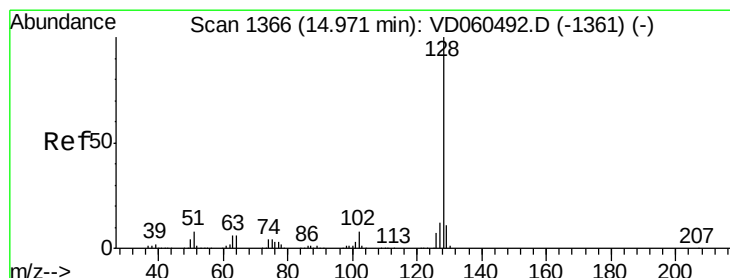
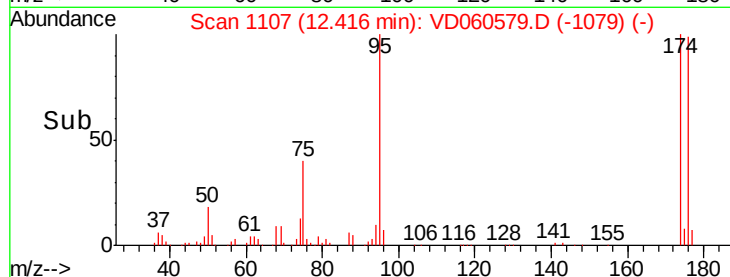
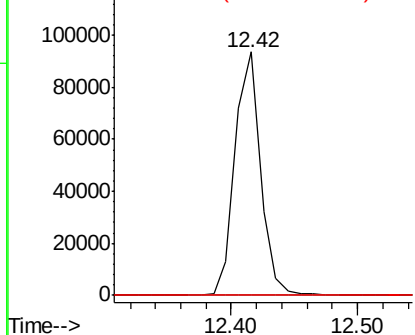
#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.583 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.07 min
 Lab File: VD060579.D
 Acq: 14 Dec 2018 17:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 130144
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 33.6 50.4#

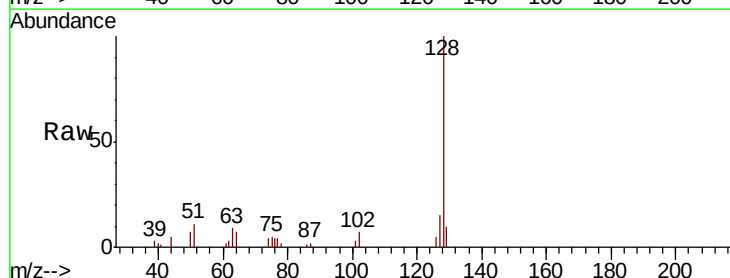


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 89.00 (88.70 to 89.70): VDC



#95
 Naphthalene
 Concen: 4.072 ug/l
 RT: 14.95 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VD060579.D
 Acq: 14 Dec 2018 17:58

Tgt Ion:128 Resp: 30970
 Ion Ratio Lower Upper
 128 100
 127 15.3 9.8 14.8#
 129 10.0 8.6 13.0



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

