

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061835.D
 Acq On : 17 Apr 2019 5:07
 Operator : VA/AP
 Sample : K2423-01
 Misc : 4.10g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 07:00:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	398314	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.22	114	701412	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	624554	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.51	152	287447	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	201107	60.24	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	120.48%	
35) Dibromofluoromethane	6.92	113	294084	55.50	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	111.00%	
50) Toluene-d8	10.41	98	584990	46.59	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	93.18%	
62) 4-Bromofluorobenzene	13.55	95	263124	51.70	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.40%	

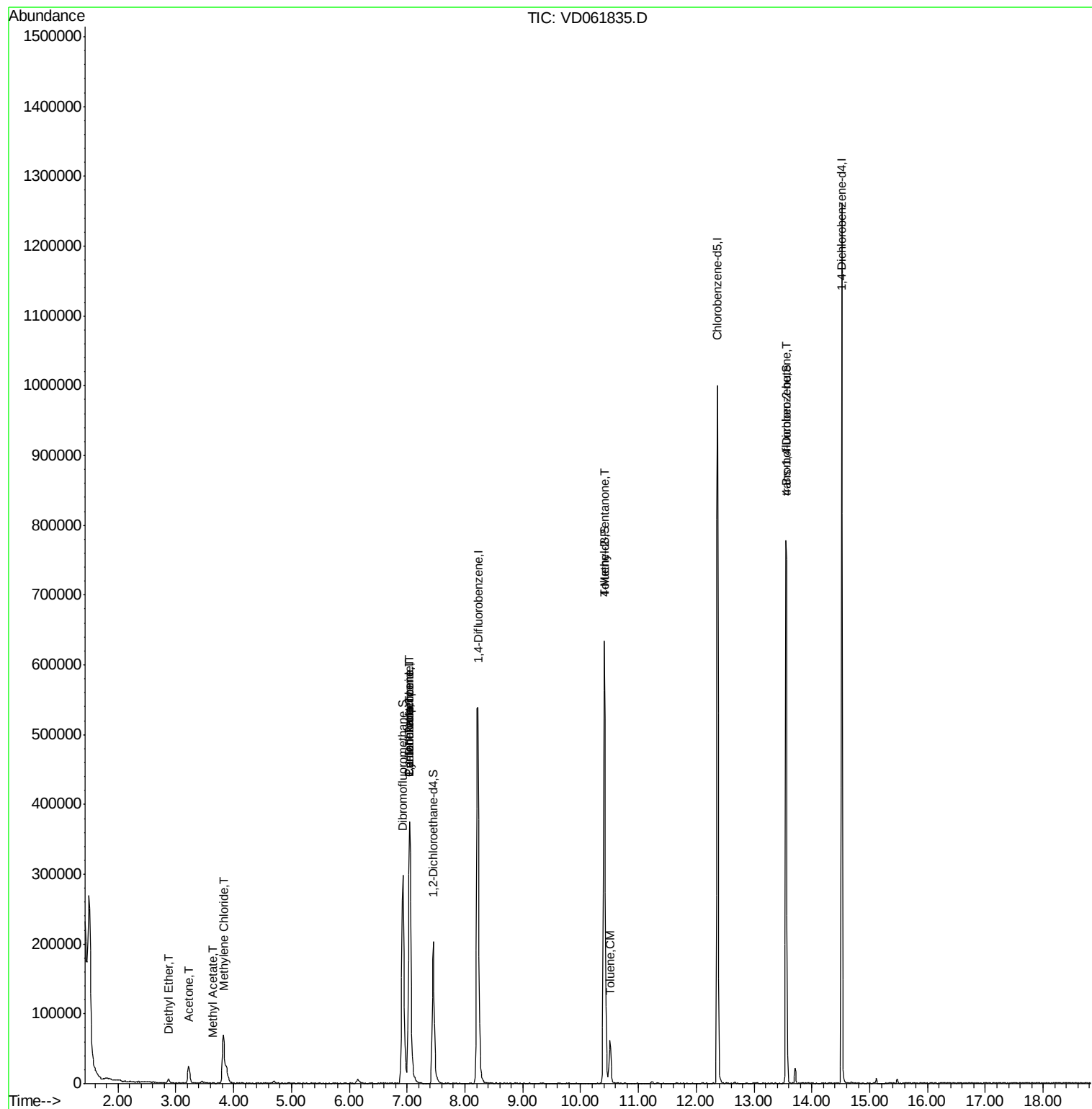
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	257	Below Cal	#	12
8) Diethyl Ether	2.88	74	2553	1.953	ug/l	85
16) Acetone	3.22	43	51405	62.479	ug/l	99
18) Methyl Acetate	3.64	43	1871	1.135	ug/l #	53
20) Methylene Chloride	3.82	84	53183	9.268	ug/l	98
31) Cyclohexane	7.05	56	5952	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	28825	5.029	ug/l #	47
38) Carbon Tetrachloride	7.04	117	37874	5.233	ug/l #	17
51) 4-Methyl-2-Pentanone	10.41	43	2869	1.359	ug/l #	1
52) Toluene	10.51	92	33346	3.782	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.55	75	100594	80.074	ug/l #	16

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

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ClientSampleId :

Quant Time: Apr 17 07:00:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD061835.D

Acq: 17 Apr 2019 5:07

Instrument :

MSVOA_D

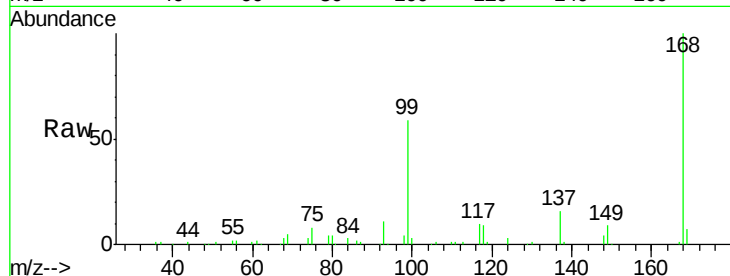
ClientSampleId :

Tot Ion:168 Resp: 398314

Ion Ratio Lower Upper

168 100

99 59.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

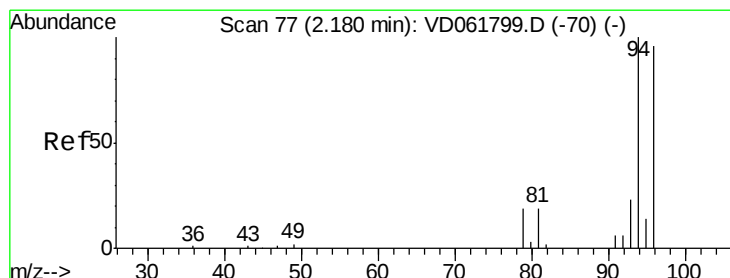
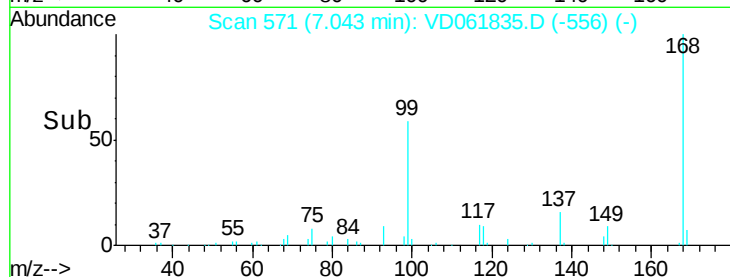
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.18 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD061835.D

Acq: 17 Apr 2019 5:07

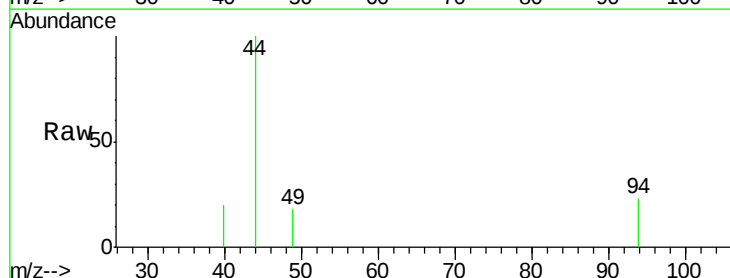
Tgt Ion: 94 Resp: 257

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

600

500

400

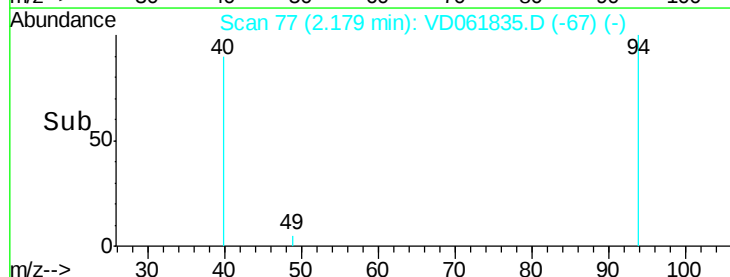
300

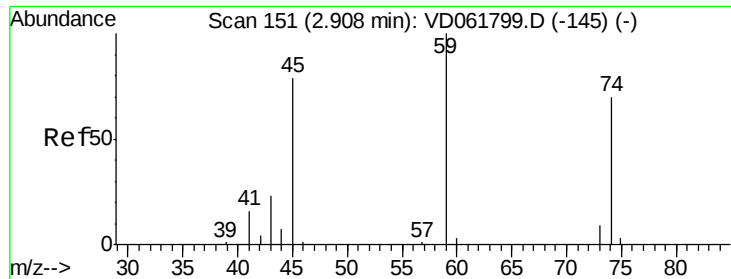
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.953 ug/l

RT: 2.88 min Scan# 148

Delta R.T. -0.03 min

Lab File: VD061835.D

Acq: 17 Apr 2019 5:07

Instrument :

MSVOA_D

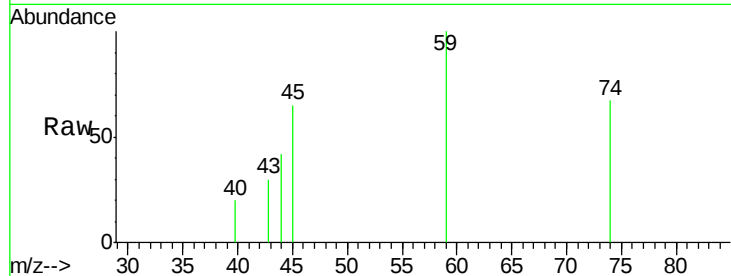
ClientSampleId :

Tot Ion: 74 Resp: 2553

Ion Ratio Lower Upper

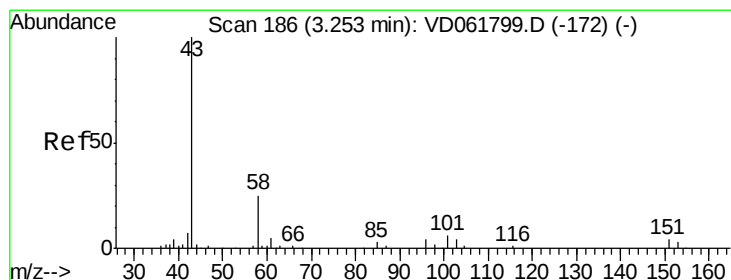
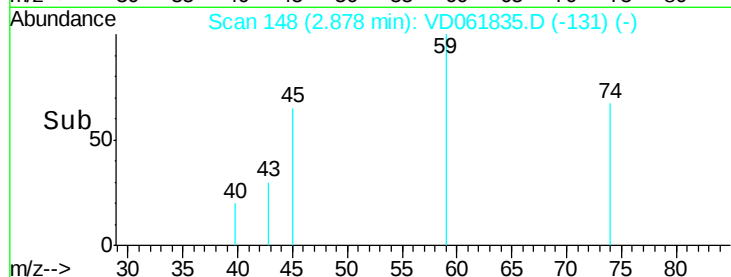
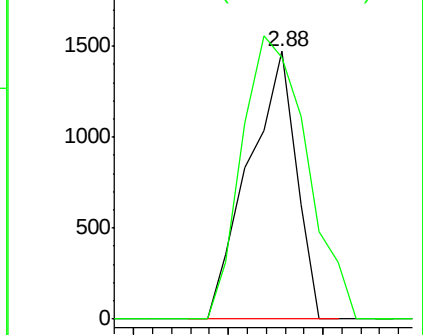
74 100

45 97.8 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 62.479 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061835.D

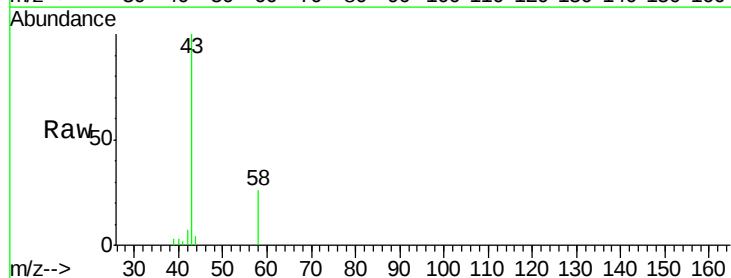
Acq: 17 Apr 2019 5:07

Tgt Ion: 43 Resp: 51405

Ion Ratio Lower Upper

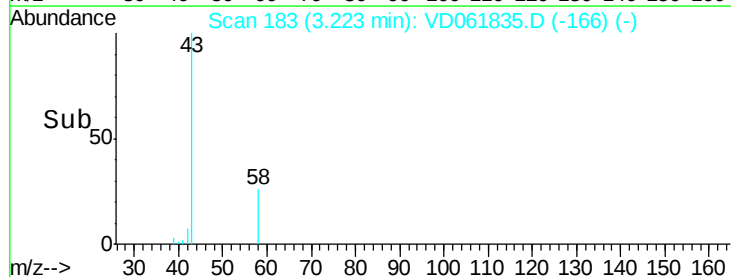
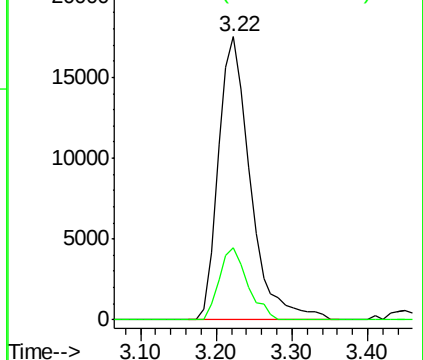
43 100

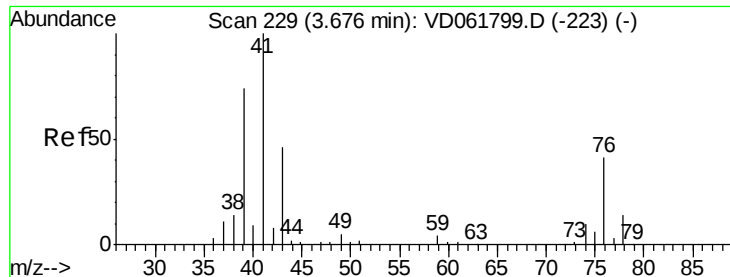
58 25.6 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

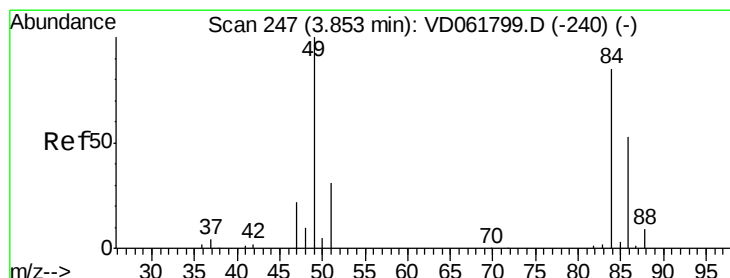
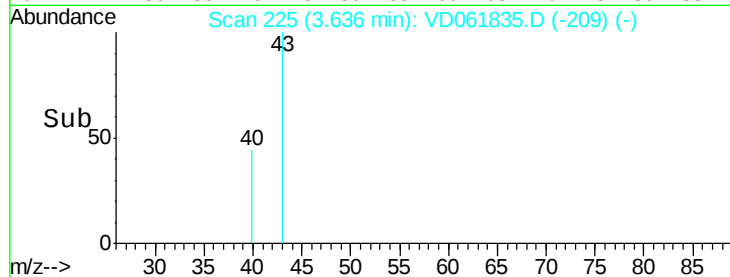
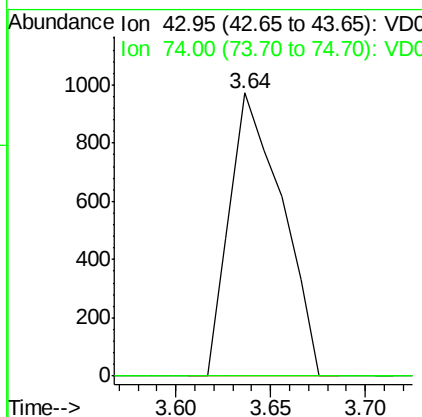
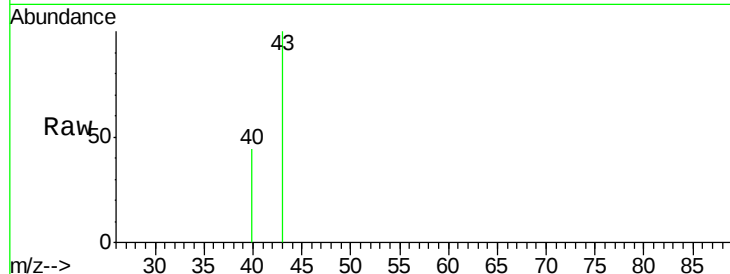




#18
Methyl Acetate
Concen: 1.135 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.04 min
Lab File: VD061835.D
Acq: 17 Apr 2019 5:07

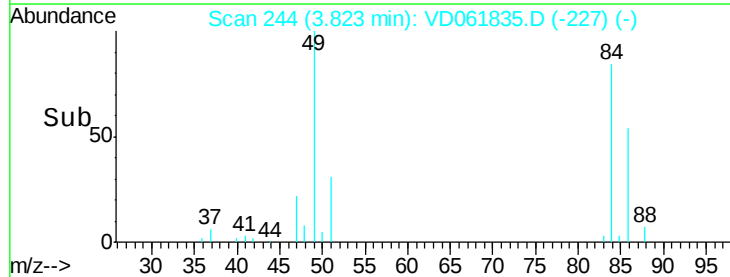
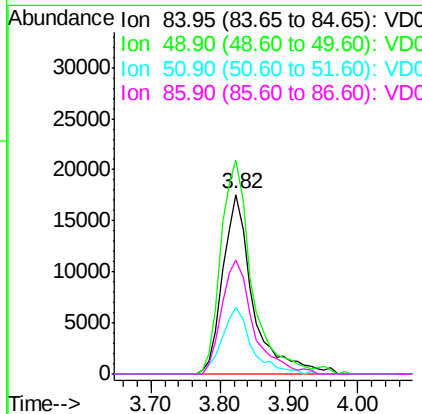
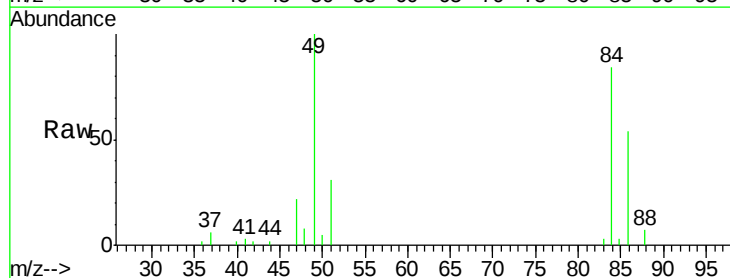
Instrument :
MSVOA_D
ClientSampled :

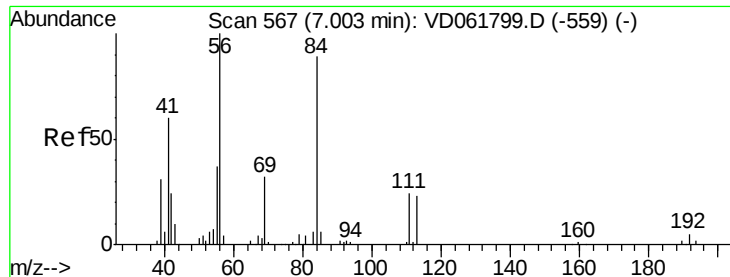
Tot Ion: 43 Resp: 1871
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 9.268 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.03 min
Lab File: VD061835.D
Acq: 17 Apr 2019 5:07

Tgt Ion: 84 Resp: 53183
Ion Ratio Lower Upper
84 100
49 119.0 94.0 141.0
51 36.9 29.0 43.4
86 63.8 49.8 74.6

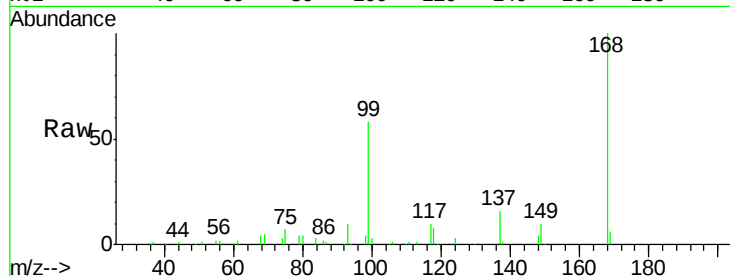




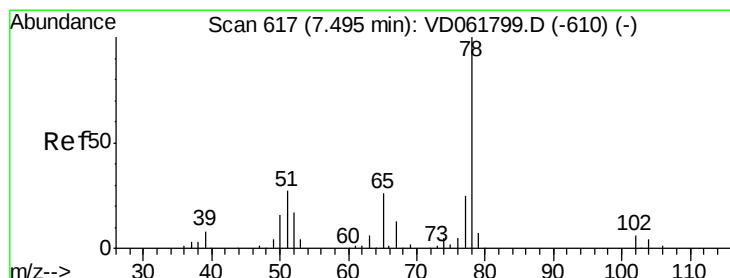
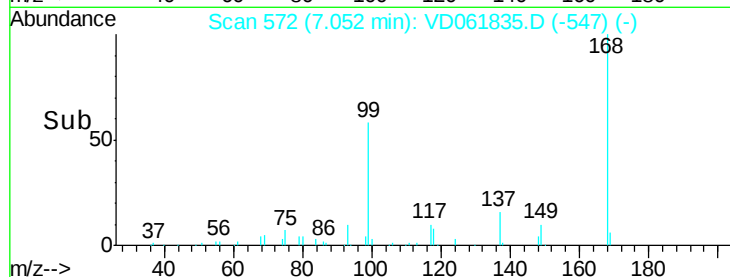
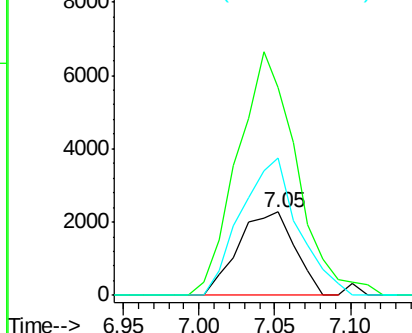
#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.05 min
Lab File: VD061835.D
Acq: 17 Apr 2019 5:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 5952
Ion Ratio Lower Upper
56 100
69 249.3 25.8 38.6#
84 165.8 72.2 108.4#

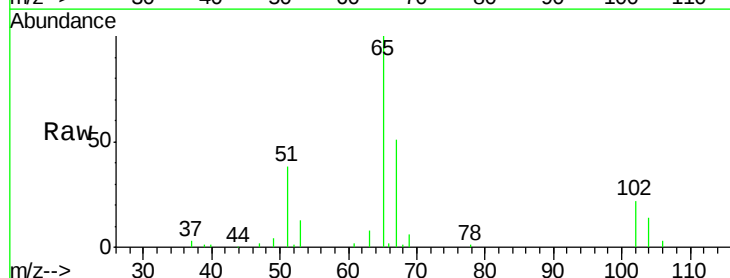


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

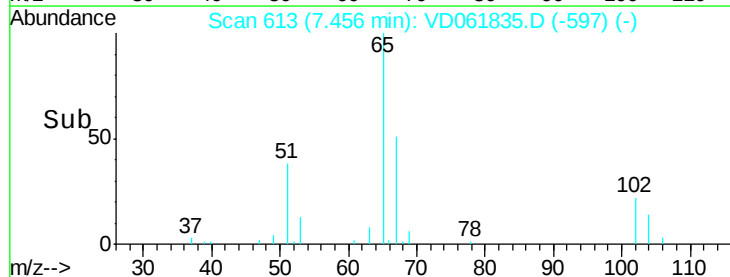
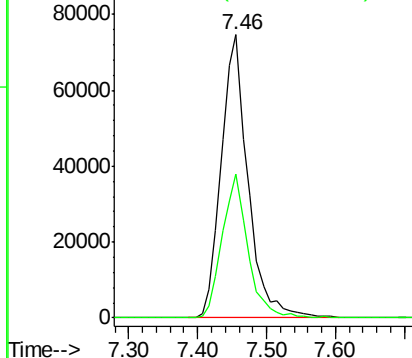


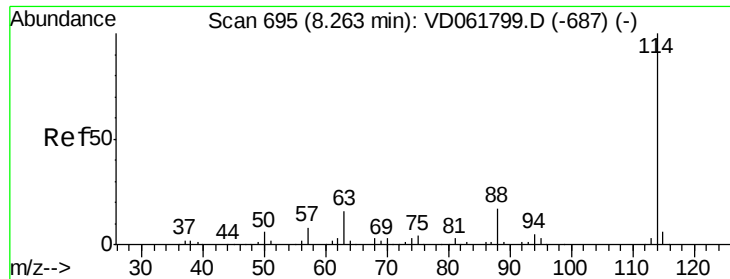
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.04 min
Lab File: VD061835.D
Acq: 17 Apr 2019 5:07

Tgt Ion: 65 Resp: 201107
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.0



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

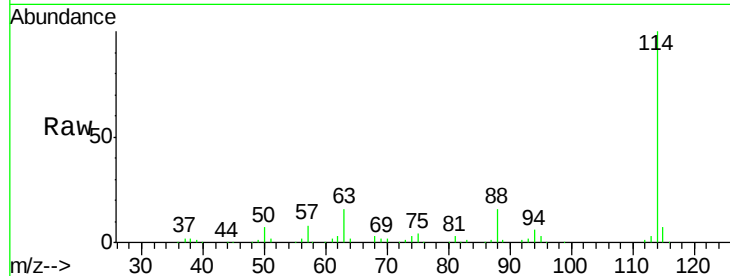




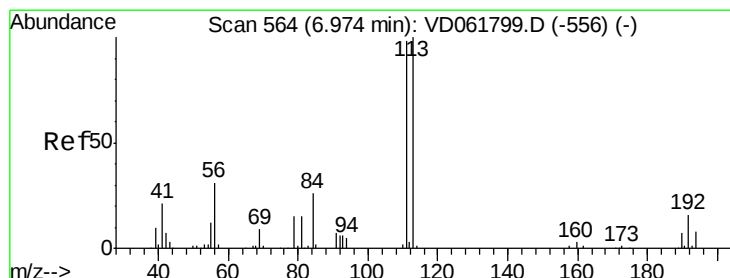
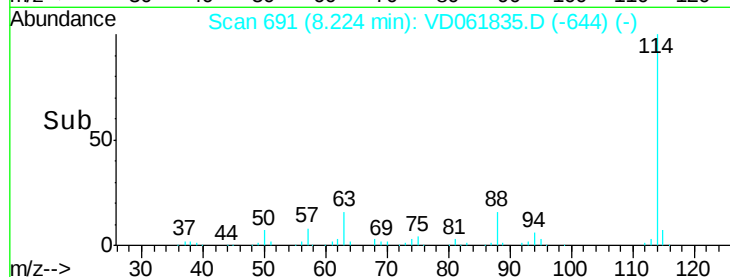
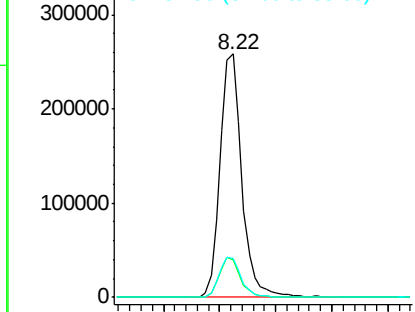
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061835.D
 Acq: 17 Apr 2019 5:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 701412
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 32.4
 88 15.9 0.0 33.6

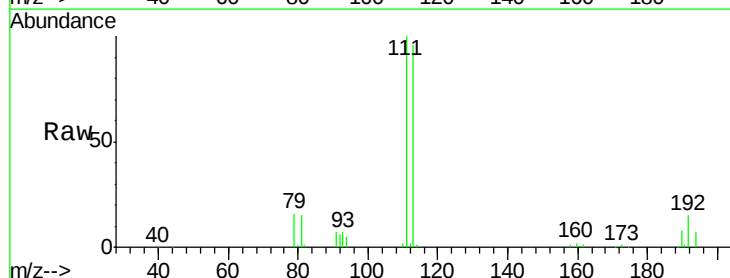


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

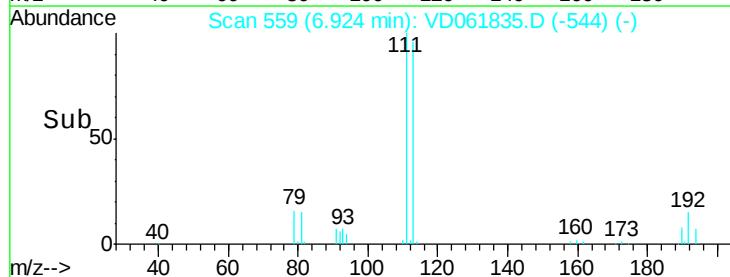
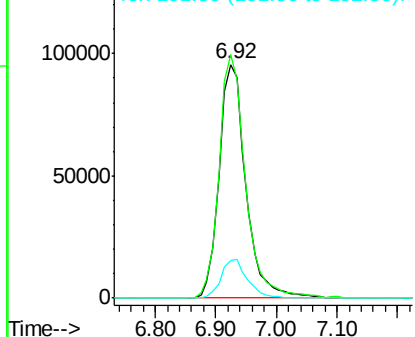


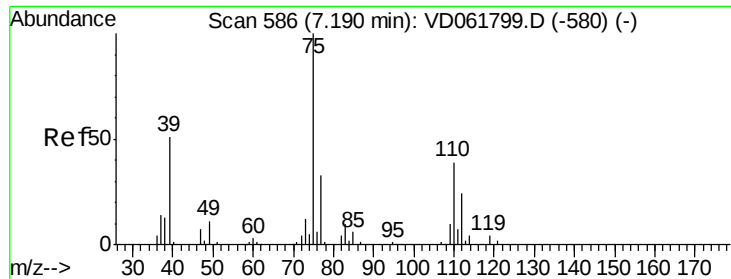
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.05 min
 Lab File: VD061835.D
 Acq: 17 Apr 2019 5:07

Tgt Ion:113 Resp: 294084
 Ion Ratio Lower Upper
 113 100
 111 104.2 78.5 117.7
 192 16.0 13.0 19.4



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: 5.029 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.15 min

Lab File: VD061835.D

Acq: 17 Apr 2019 5:07

Instrument :

MSVOA_D

ClientSampled :

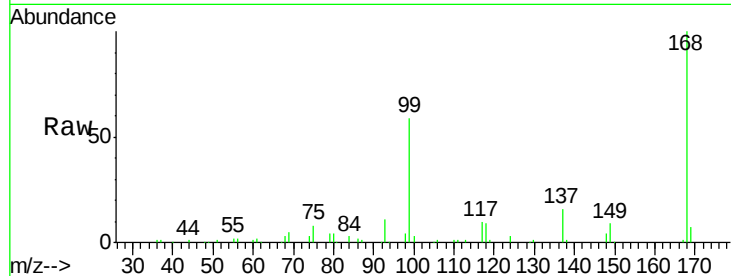
Tot Ion: 75 Resp: 28825

Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.1#

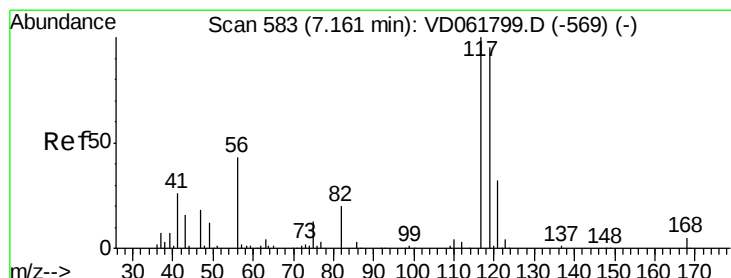
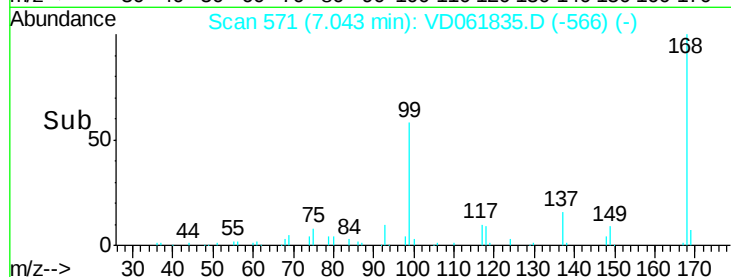
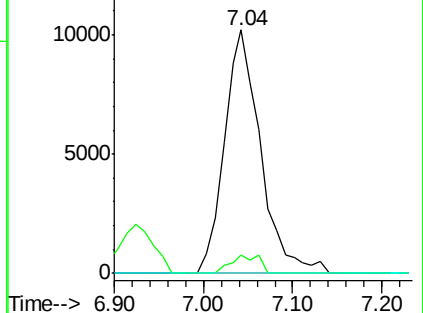
77 0.0 25.6 38.4#



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: 5.233 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.12 min

Lab File: VD061835.D

Acq: 17 Apr 2019 5:07

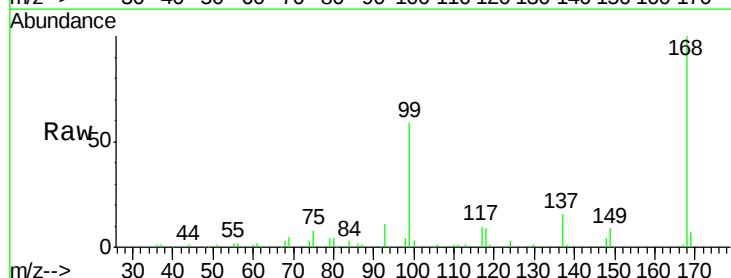
Tgt Ion: 117 Resp: 37874

Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.8#

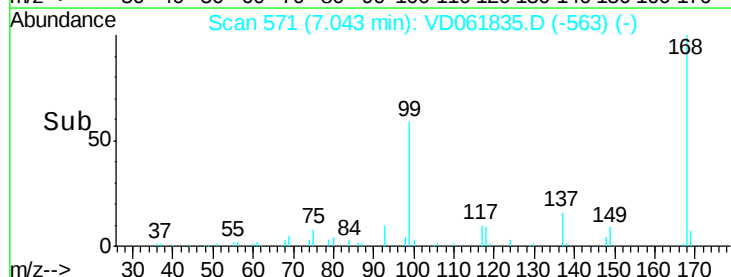
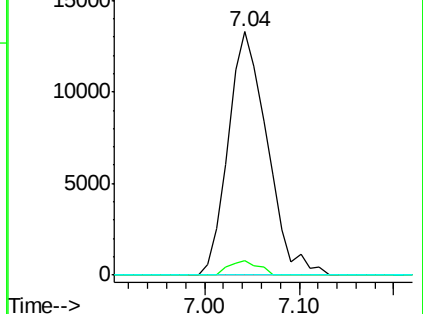
121 0.0 25.9 38.9#

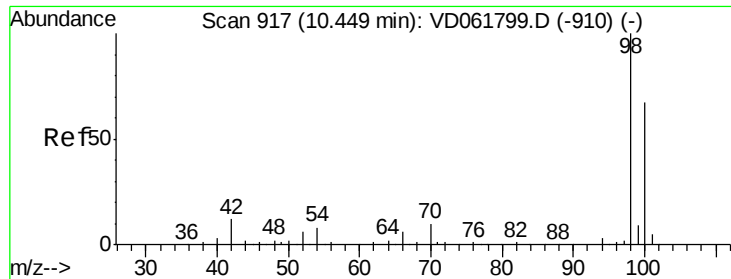


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

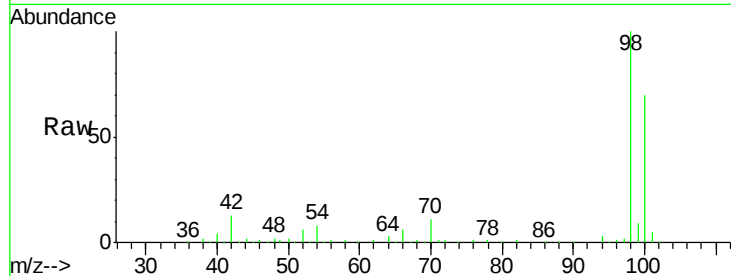




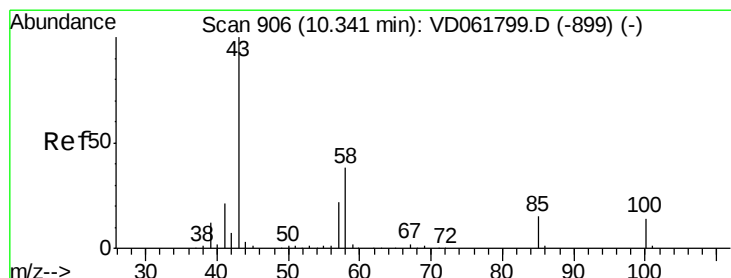
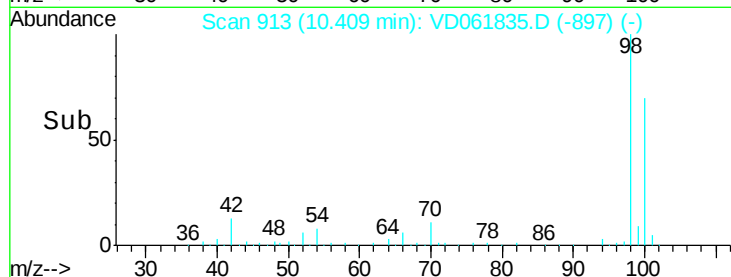
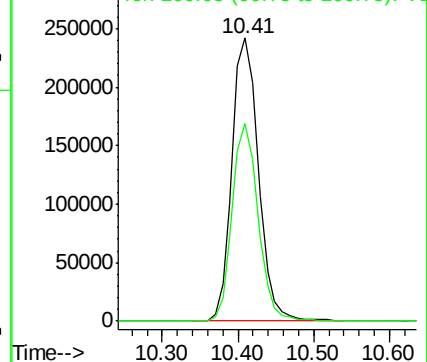
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.04 min
Lab File: VD061835.D
Acq: 17 Apr 2019 5:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 584990
Ion Ratio Lower Upper
98 100
100 70.0 53.8 80.8

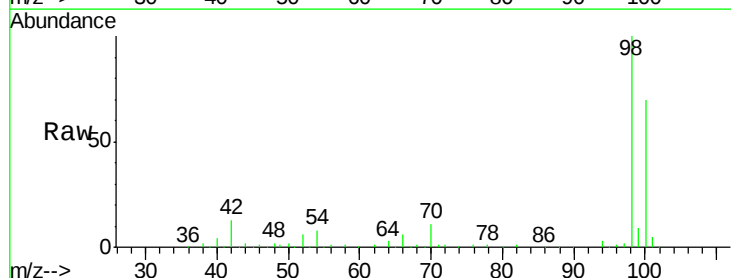


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

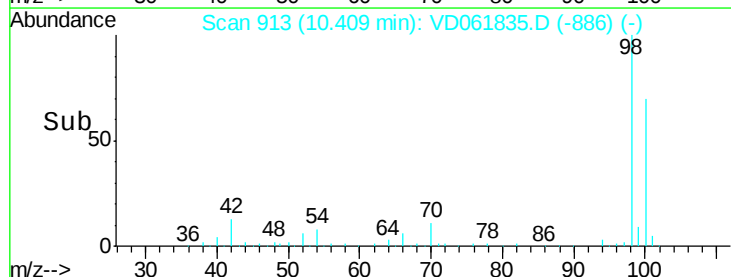
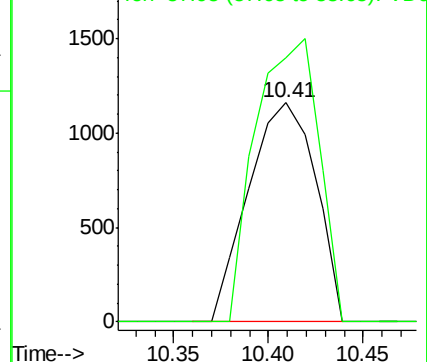


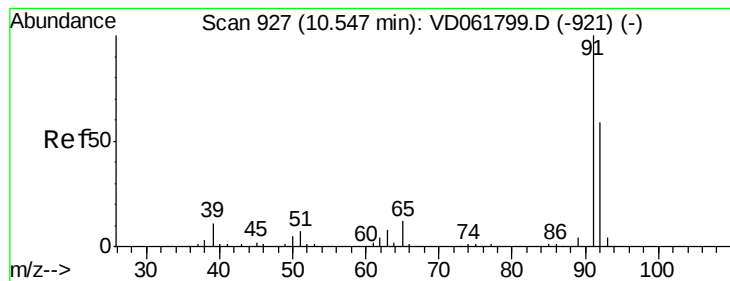
#51
4-Methyl-2-Pentanone
Concen: 1.359 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.07 min
Lab File: VD061835.D
Acq: 17 Apr 2019 5:07

Tgt Ion: 43 Resp: 2869
Ion Ratio Lower Upper
43 100
58 120.8 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 3.782 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.04 min

Lab File: VD061835.D

Acq: 17 Apr 2019 5:07

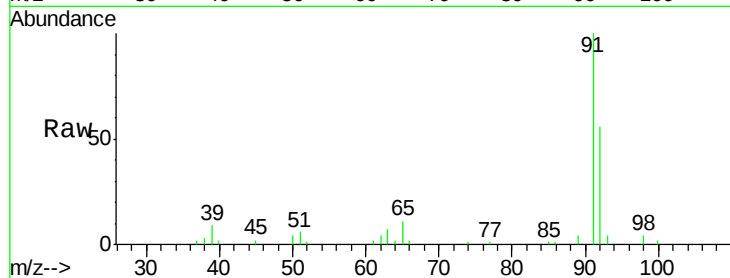
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 33346

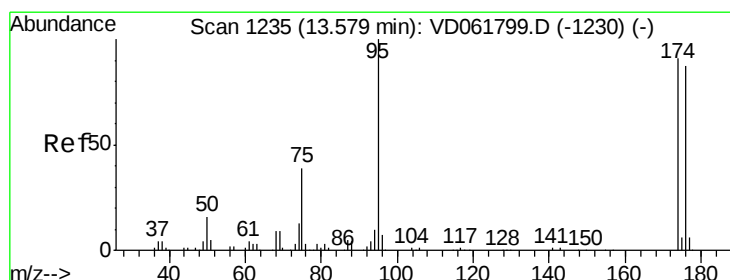
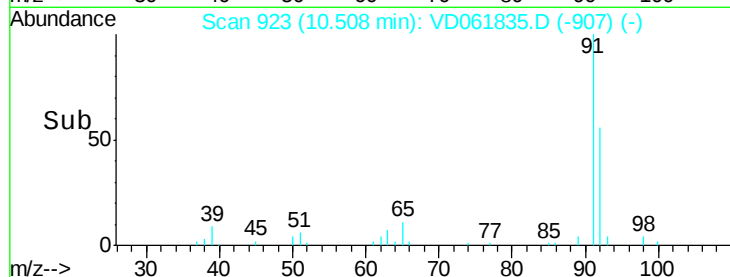
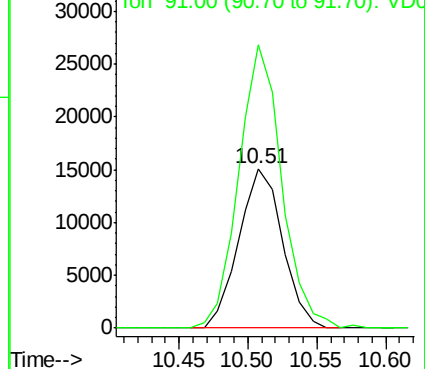
Ion Ratio Lower Upper

92 100

91 177.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.03 min

Lab File: VD061835.D

Acq: 17 Apr 2019 5:07

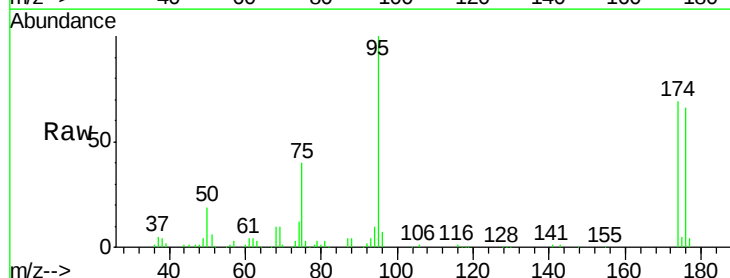
Tgt Ion: 95 Resp: 263124

Ion Ratio Lower Upper

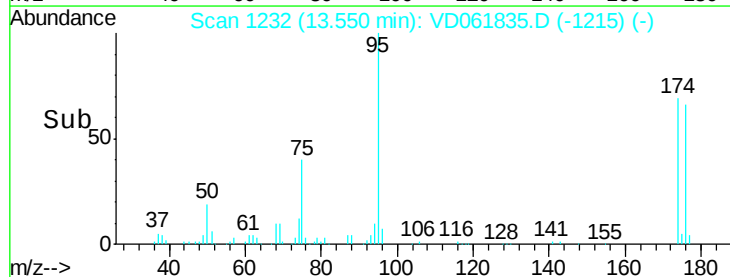
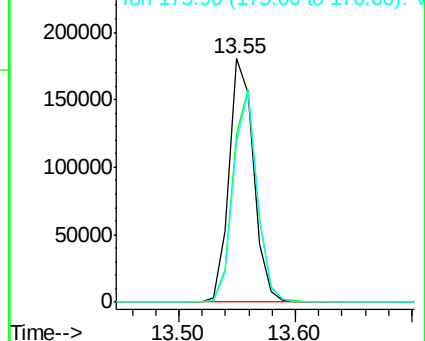
95 100

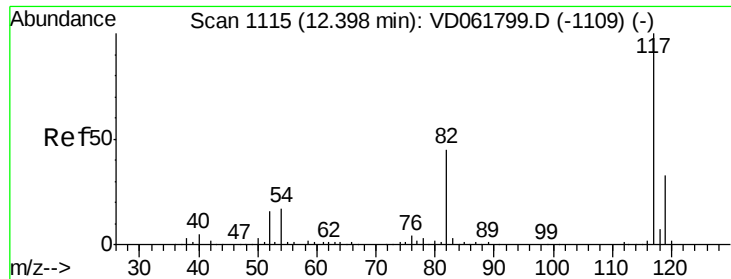
174 68.8 0.0 181.8

176 66.1 0.0 174.4



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

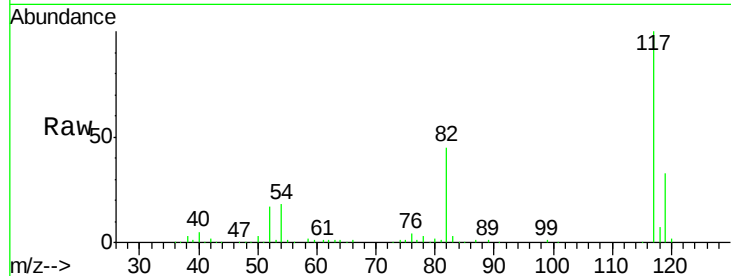




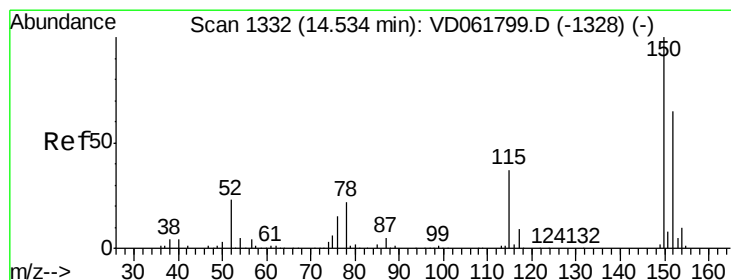
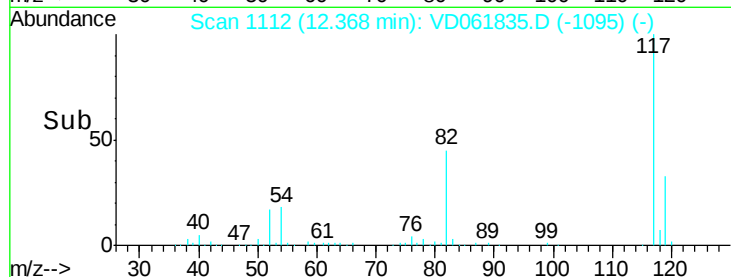
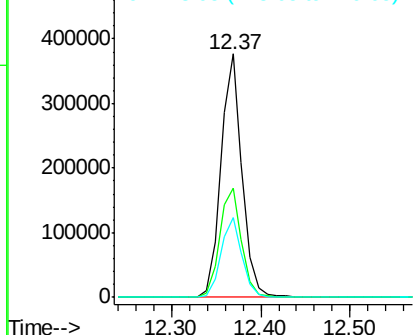
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061835.D
Acq: 17 Apr 2019 5:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 624554
Ion Ratio Lower Upper
117 100
82 45.1 36.2 54.2
119 33.0 26.2 39.4

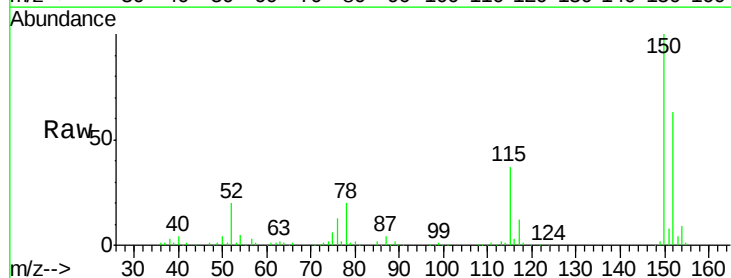


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

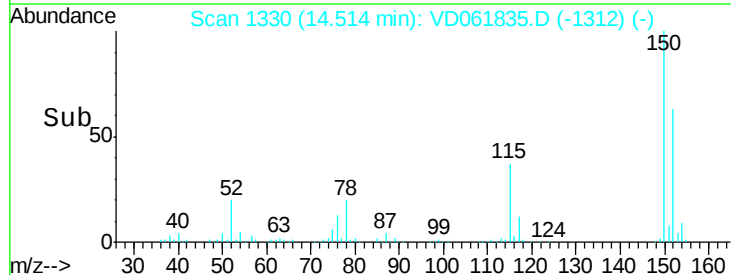
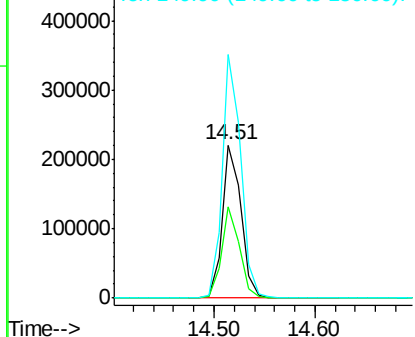


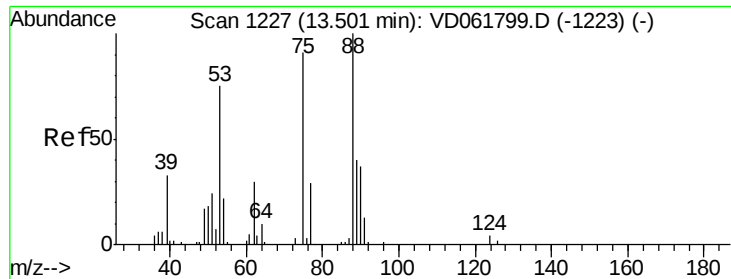
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD061835.D
Acq: 17 Apr 2019 5:07

Tgt Ion:152 Resp: 287447
Ion Ratio Lower Upper
152 100
115 59.7 30.9 92.7
150 159.3 0.0 314.8



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: 80.074 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.05 min

Lab File: VD061835.D

Acq: 17 Apr 2019 5:07

Instrument :

MSVOA_D

ClientSampleId :

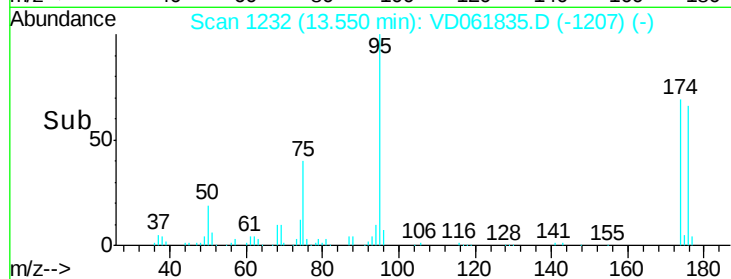
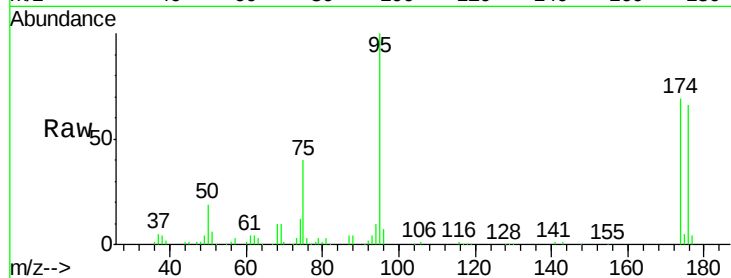
Tot Ion: 75 Resp: 100594

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

