

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061817.D
 Acq On : 16 Apr 2019 18:27
 Operator : VA/AP
 Sample : K2377-06
 Misc : 5.69g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 00:58:49 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	7.05	168	415293	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	803227	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	490496	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	117283	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	211975	60.90	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	121.80%	
35) Dibromofluoromethane	6.92	113	313018	51.58	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	103.16%	
50) Toluene-d8	10.41	98	612227	42.58	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	85.16%	
62) 4-Bromofluorobenzene	13.56	95	137481	23.59	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	47.18%	

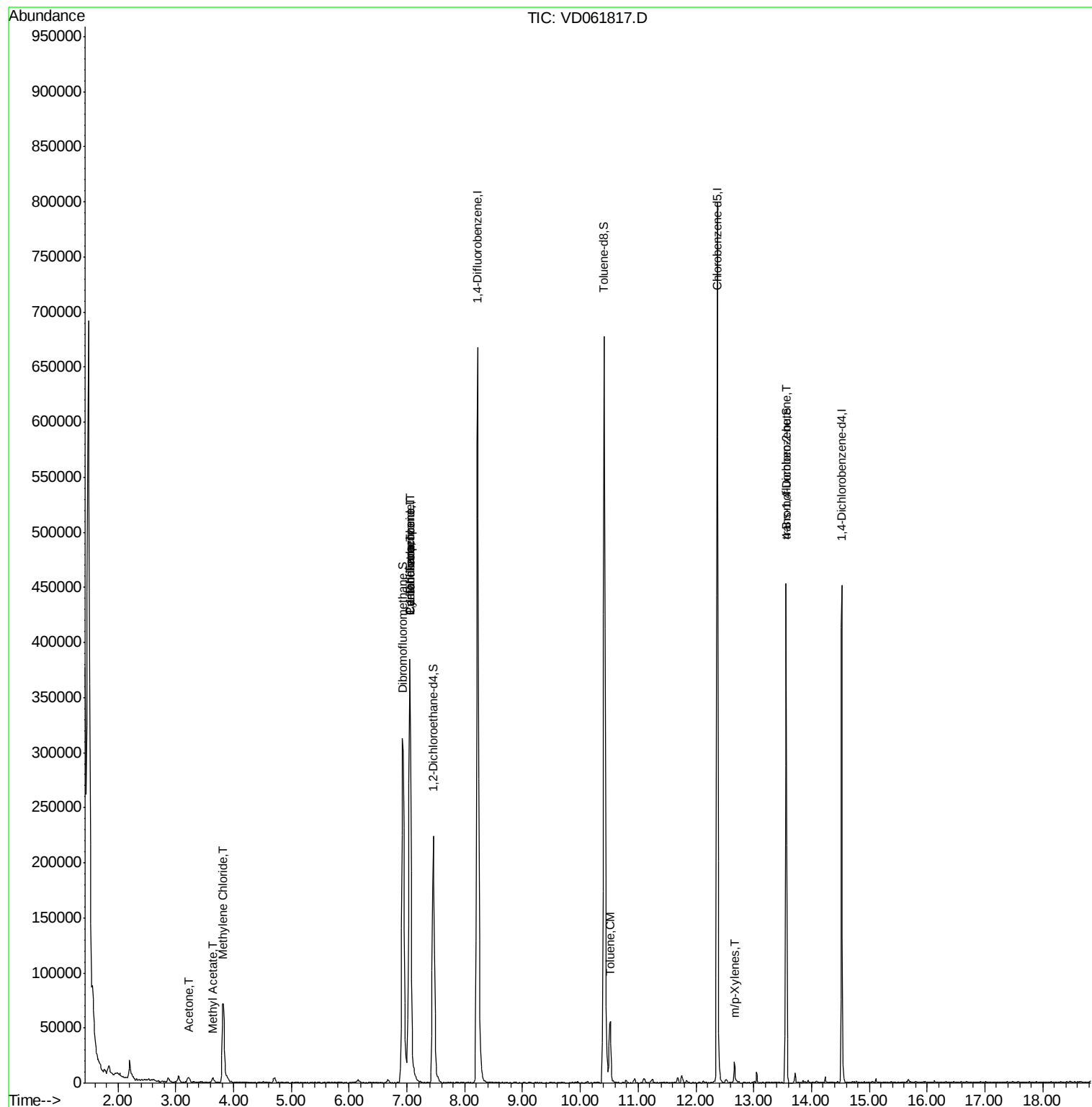
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	521	Below Cal	#	12
16) Acetone	3.22	43	9686	11.291	ug/l	93
18) Methyl Acetate	3.65	43	8804	5.121	ug/l #	90
20) Methylene Chloride	3.81	84	56833	9.625	ug/l	95
31) Cyclohexane	7.04	56	6586	1.250	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	29456	4.488	ug/l #	47
38) Carbon Tetrachloride	7.05	117	40093	4.837	ug/l #	15
52) Toluene	10.52	92	33532	3.321	ug/l	98
68) m/p-Xylenes	12.66	106	6356	1.157	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.56	75	51993	100.549	ug/l #	16

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

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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: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061817.D

Acq: 16 Apr 2019 18:27

Instrument :

MSVOA_D

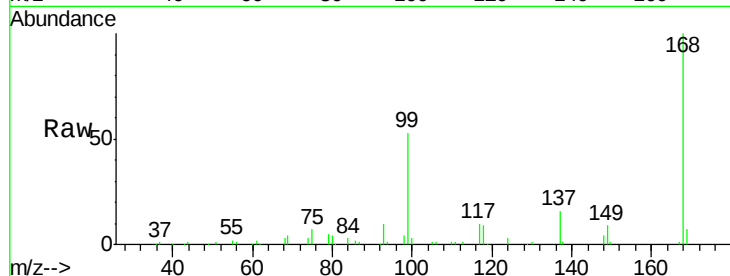
ClientSampleId :

Tot Ion:168 Resp: 415293

Ion Ratio Lower Upper

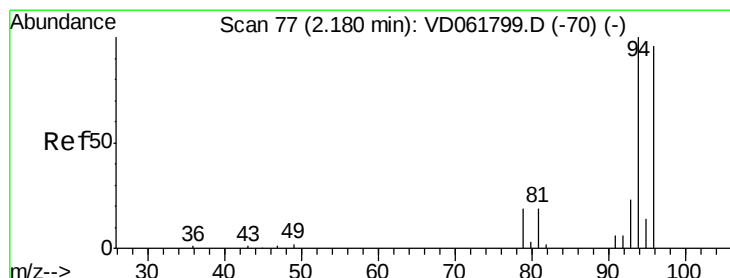
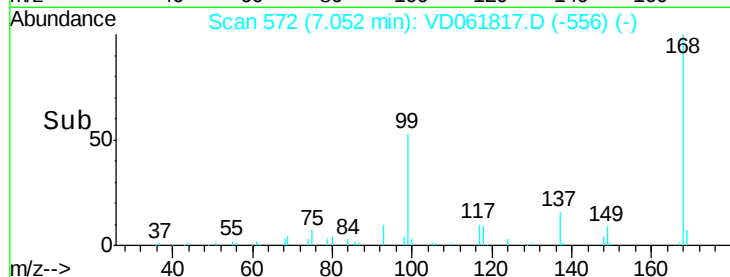
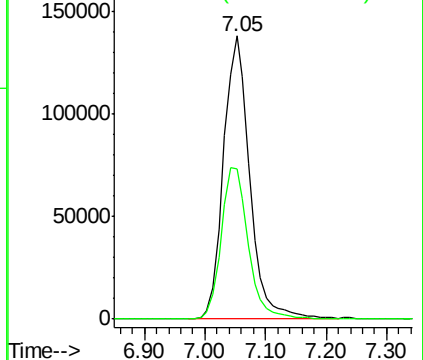
168 100

99 53.0 46.5 69.7



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: 2.19 min Scan# 78

Delta R.T. 0.01 min

Lab File: VD061817.D

Acq: 16 Apr 2019 18:27

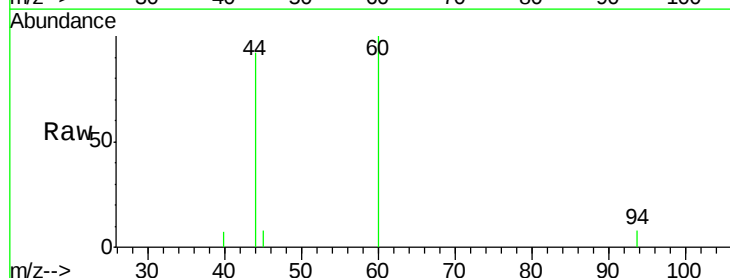
Tgt Ion: 94 Resp: 521

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

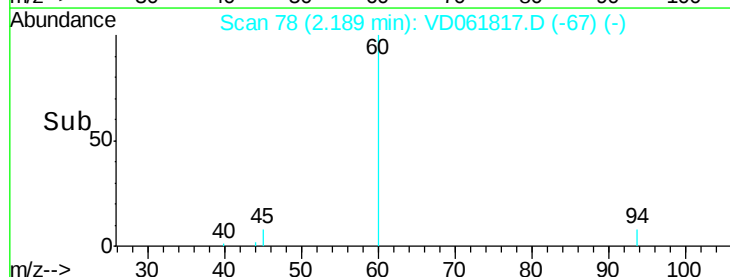
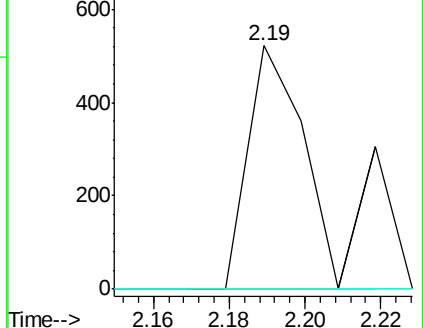
93 0.0 18.5 27.7#

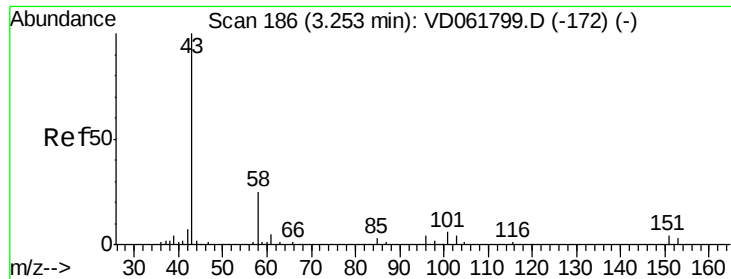


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 11.291 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061817.D

Acq: 16 Apr 2019 18:27

Instrument :

MSVOA_D

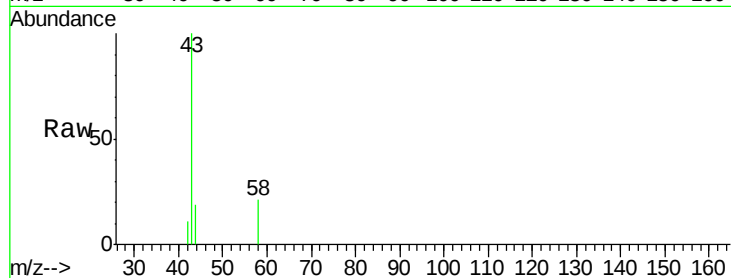
ClientSampleId :

Tot Ion: 43 Resp: 9686

Ion Ratio Lower Upper

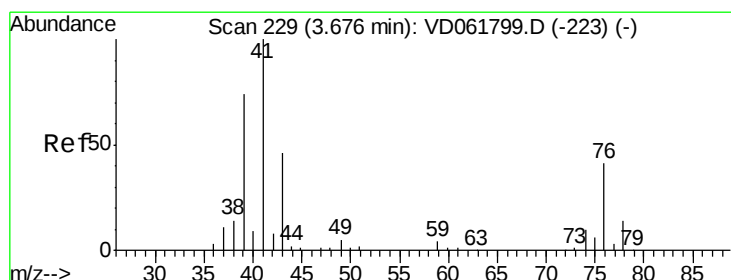
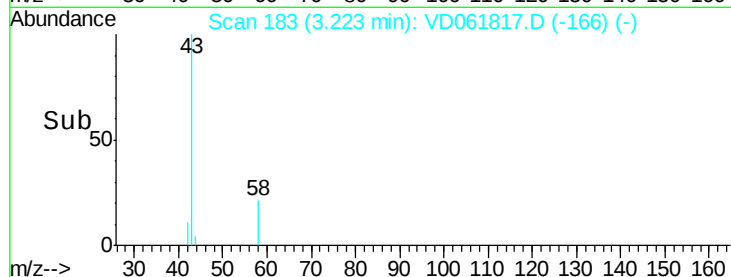
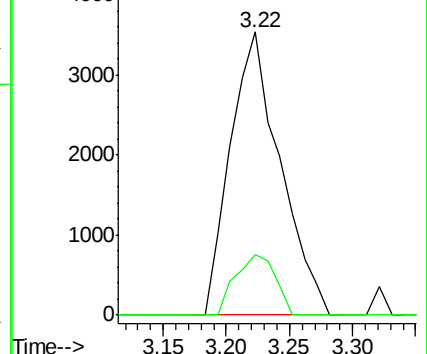
43 100

58 21.3 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: 5.121 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.03 min

Lab File: VD061817.D

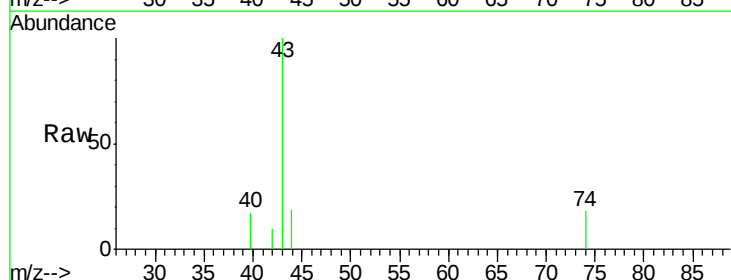
Acq: 16 Apr 2019 18:27

Tgt Ion: 43 Resp: 8804

Ion Ratio Lower Upper

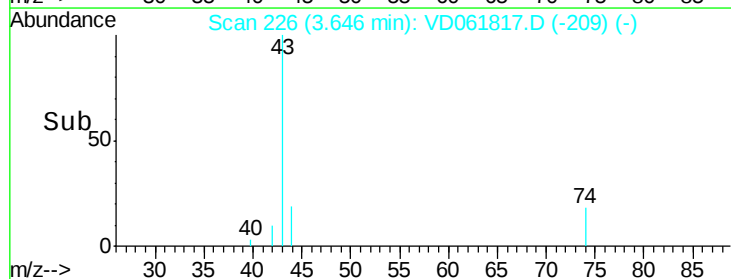
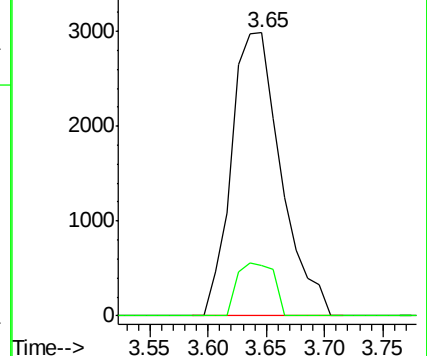
43 100

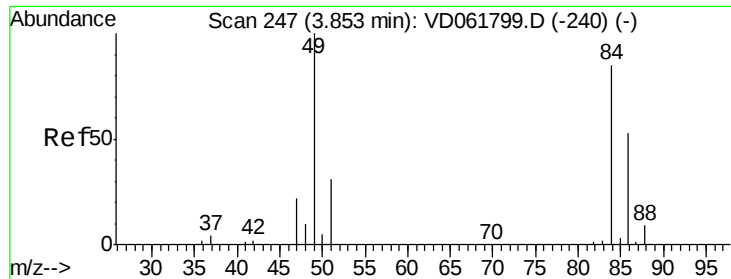
74 17.9 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

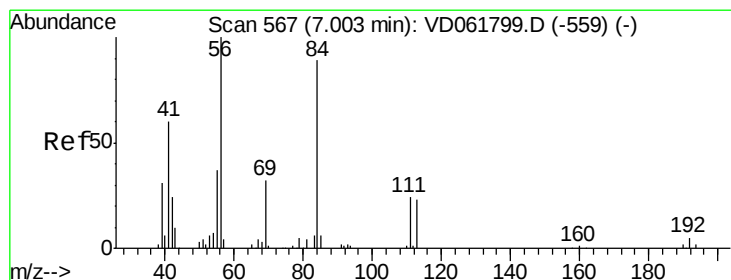
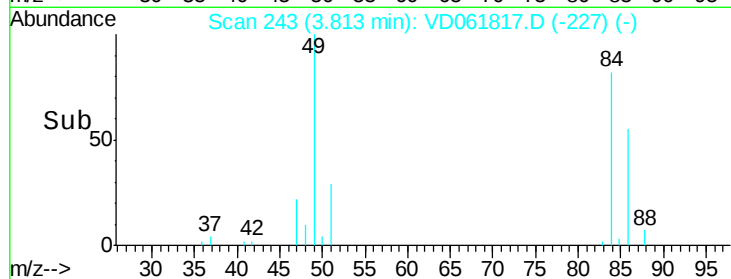
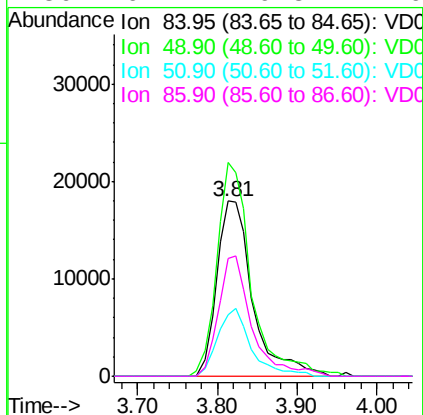
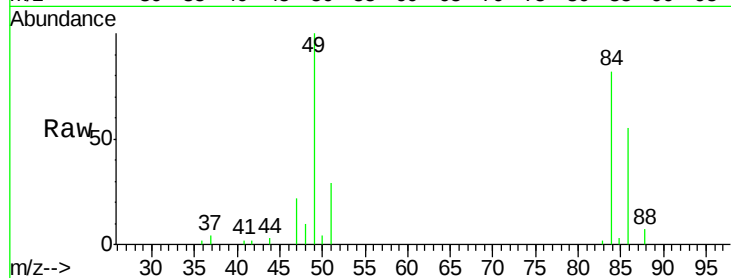




#20
Methylene Chloride
Concen: 9.625 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.04 min
Lab File: VD061817.D
Acq: 16 Apr 2019 18:27

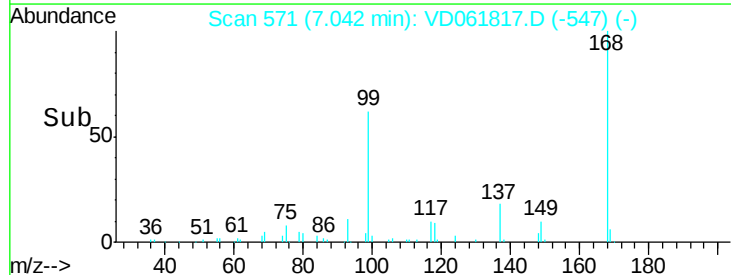
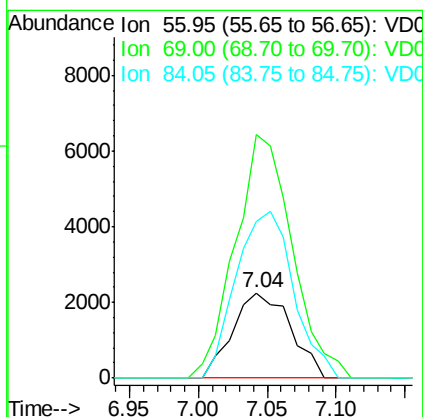
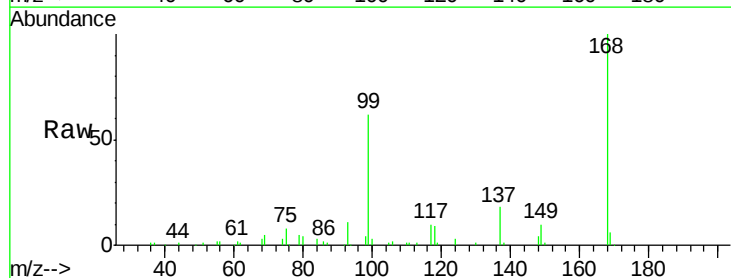
Instrument :
MSVOA_D
ClientSampleId :

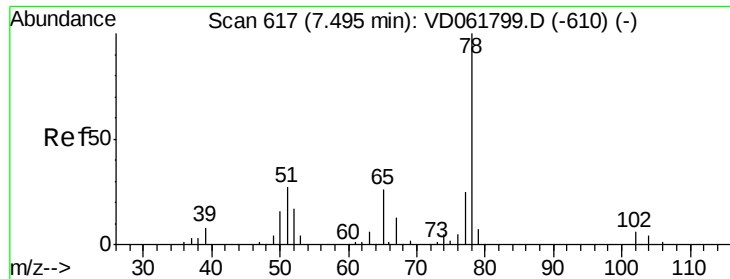
Tot Ion: 84 Resp: 56833
Ion Ratio Lower Upper
84 100
49 122.1 94.0 141.0
51 35.1 29.0 43.4
86 67.4 49.8 74.6



#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.04 min
Lab File: VD061817.D
Acq: 16 Apr 2019 18:27

Tgt Ion: 56 Resp: 6586
Ion Ratio Lower Upper
56 100
69 286.3 25.8 38.6#
84 183.8 72.2 108.4#

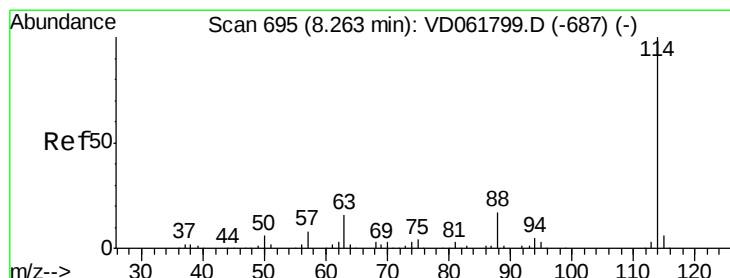
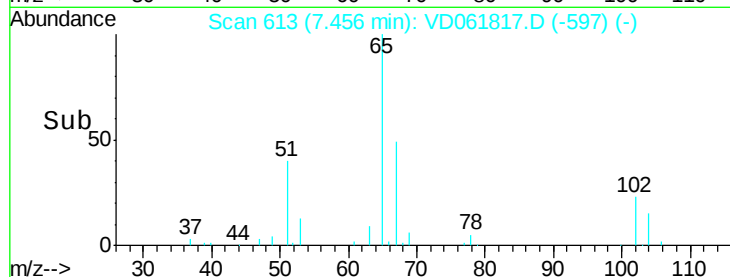
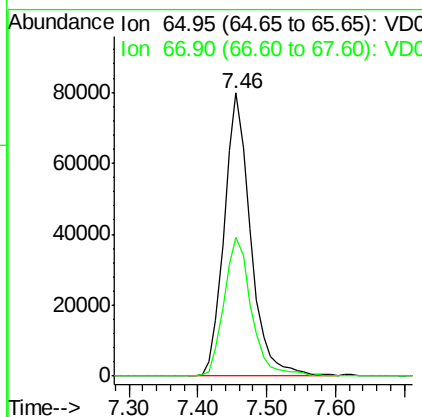
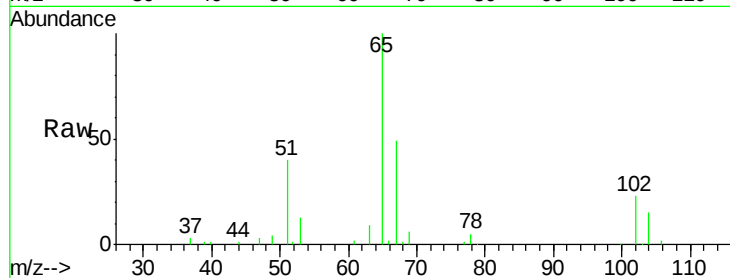




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: VD061817.D
 Acq: 16 Apr 2019 18:27

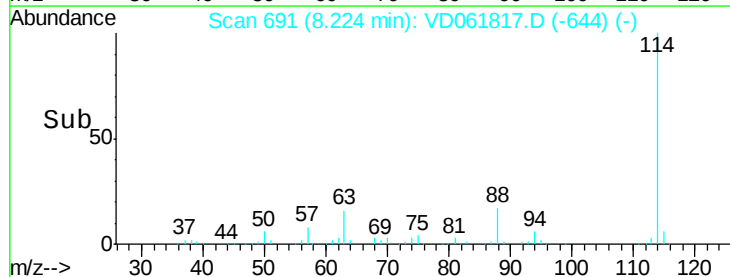
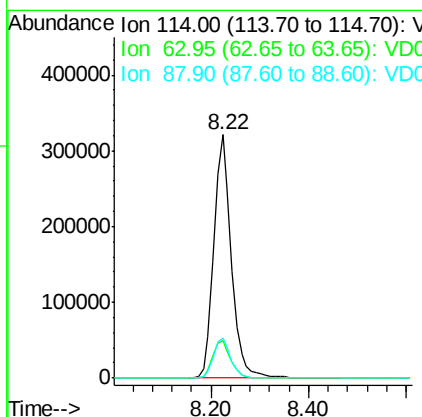
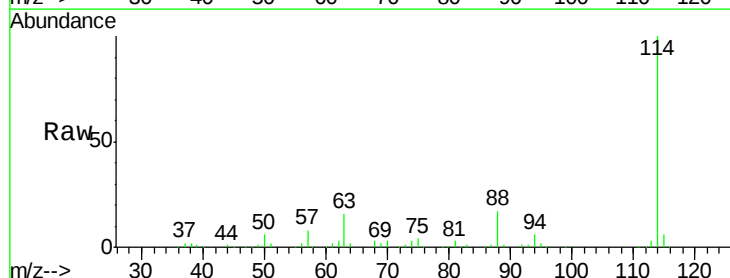
Instrument :
 MSVOA_D
 ClientSampleId :

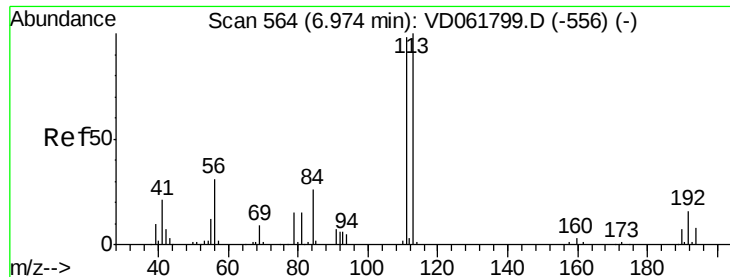
Tot Ion: 65 Resp: 211975
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061817.D
 Acq: 16 Apr 2019 18:27

Tgt Ion: 114 Resp: 803227
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 32.4
 88 16.6 0.0 33.6

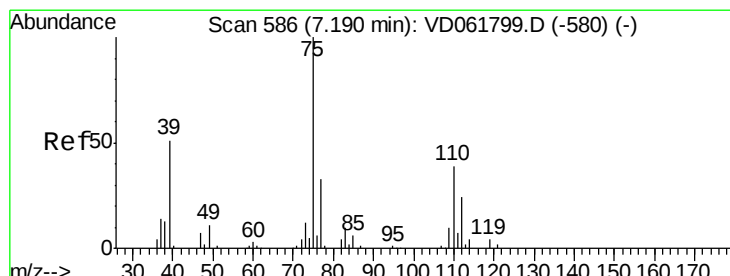
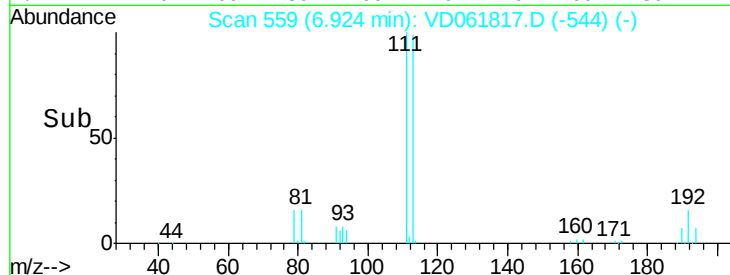
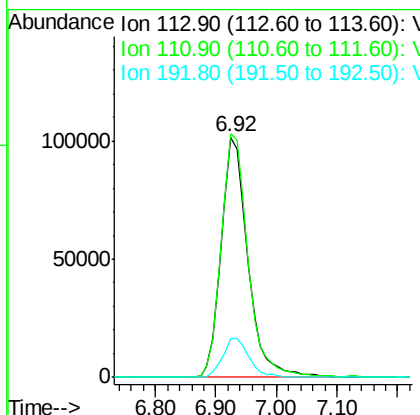
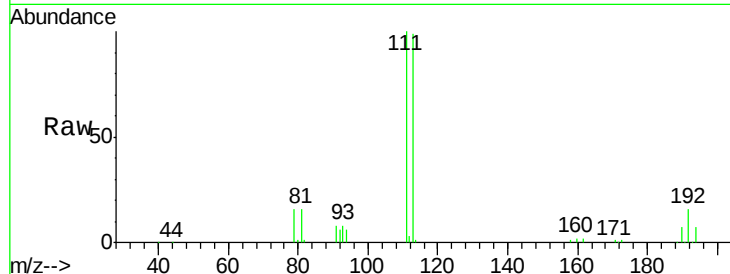




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.05 min
 Lab File: VD061817.D
 Acq: 16 Apr 2019 18:27

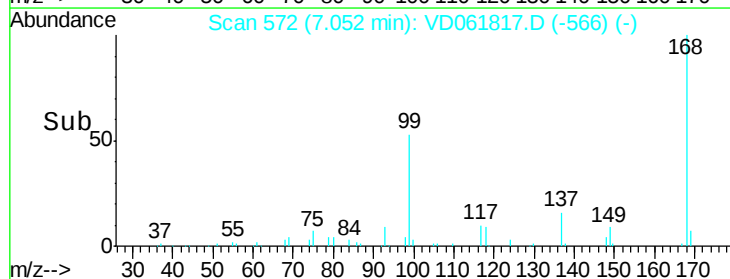
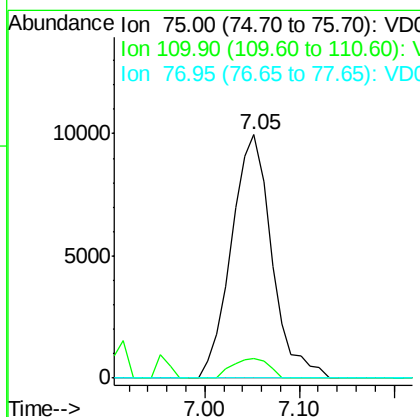
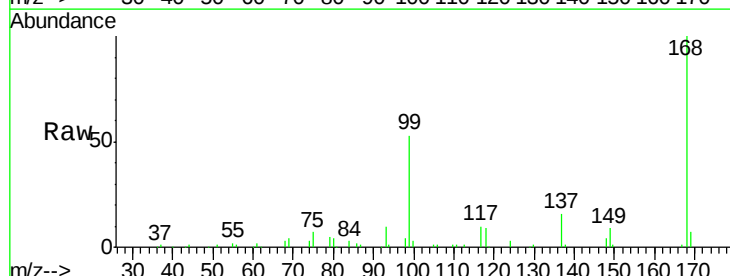
Instrument :
 MSVOA_D
 ClientSampleId :

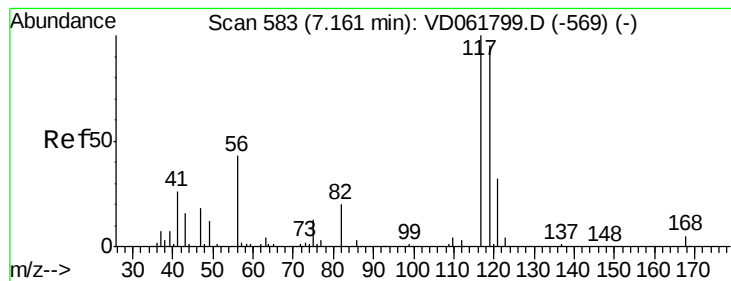
Tot Ion:113 Resp: 313018
 Ion Ratio Lower Upper
 113 100
 111 101.4 78.5 117.7
 192 16.0 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 4.488 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.14 min
 Lab File: VD061817.D
 Acq: 16 Apr 2019 18:27

Tgt Ion: 75 Resp: 29456
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.837 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD061817.D

Acq: 16 Apr 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

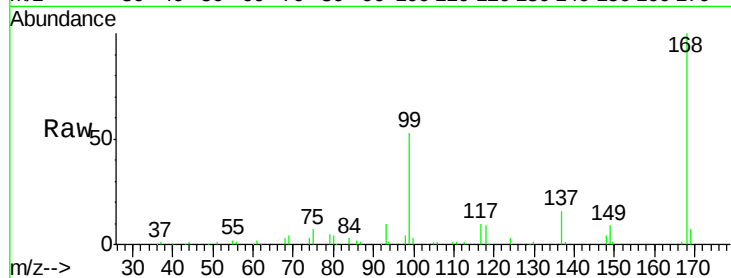
Tot Ion:117 Resp: 40093

Ion Ratio Lower Upper

117 100

119 3.3 75.8 113.8#

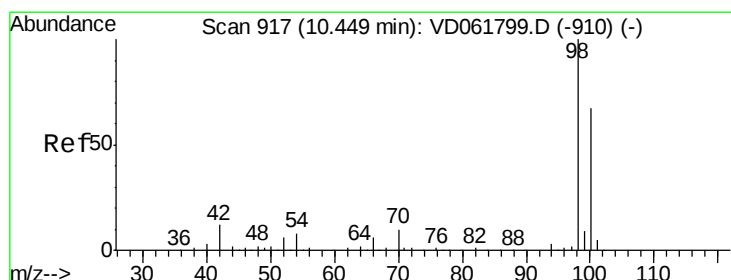
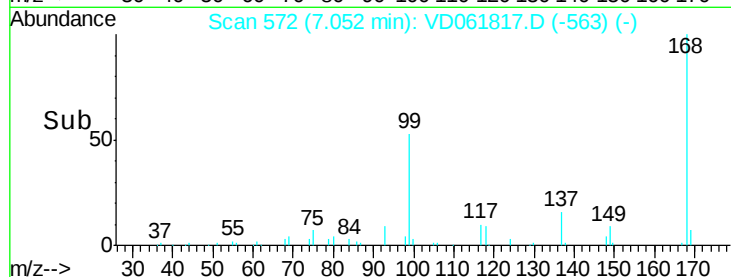
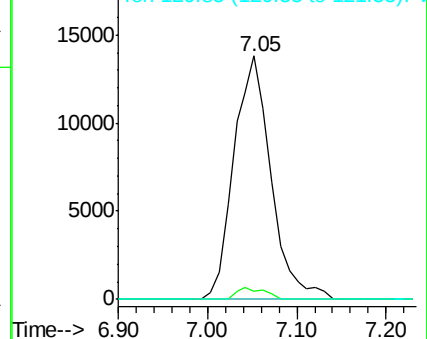
121 0.0 25.9 38.9#



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: 10.41 min Scan# 913

Delta R.T. -0.04 min

Lab File: VD061817.D

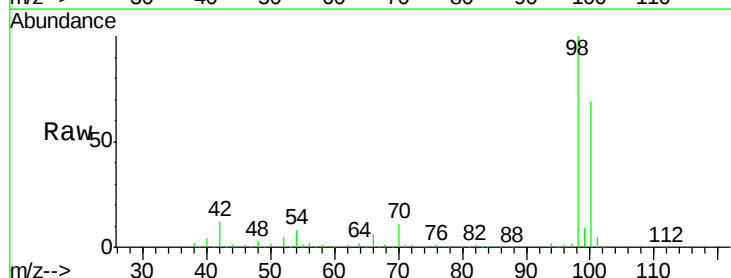
Acq: 16 Apr 2019 18:27

Tgt Ion: 98 Resp: 612227

Ion Ratio Lower Upper

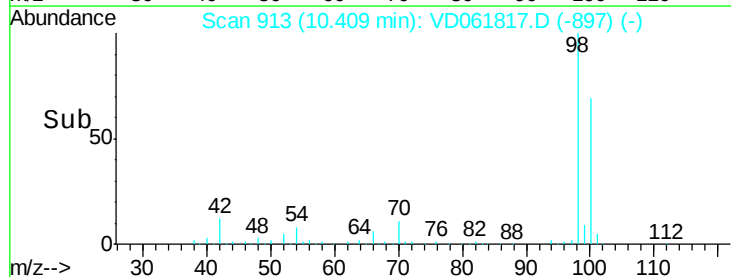
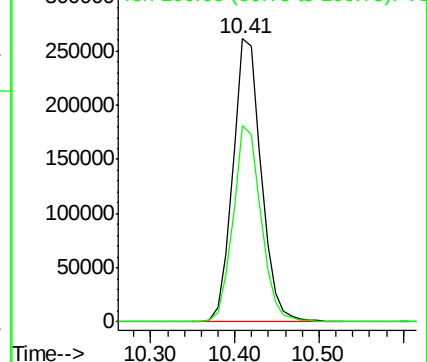
98 100

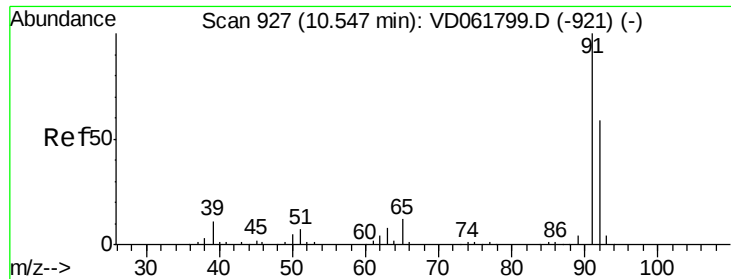
100 69.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 3.321 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD061817.D

Acq: 16 Apr 2019 18:27

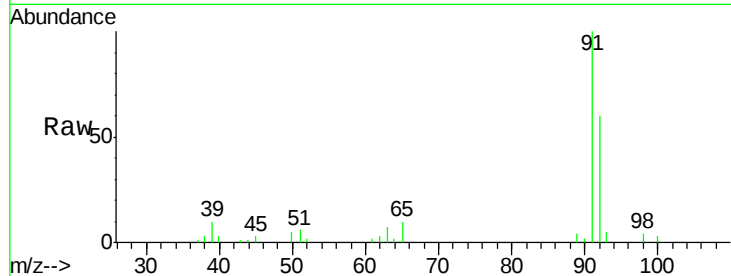
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 33532

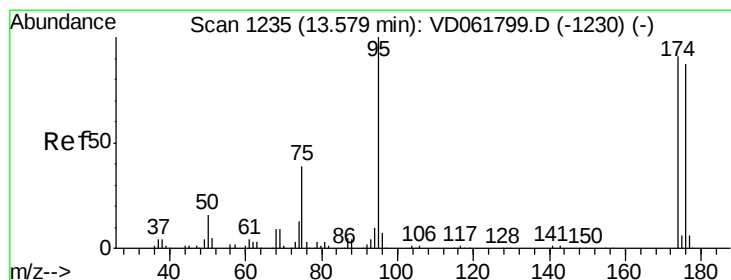
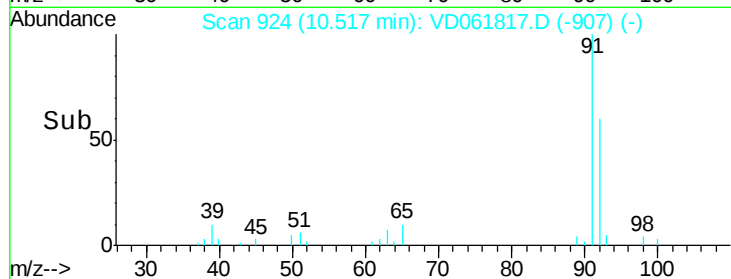
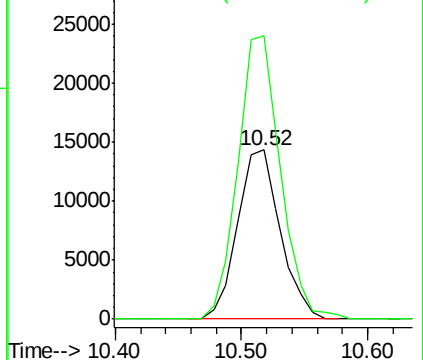
Ion Ratio Lower Upper

92 100

91 167.7 136.6 204.8



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: 13.56 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD061817.D

Acq: 16 Apr 2019 18:27

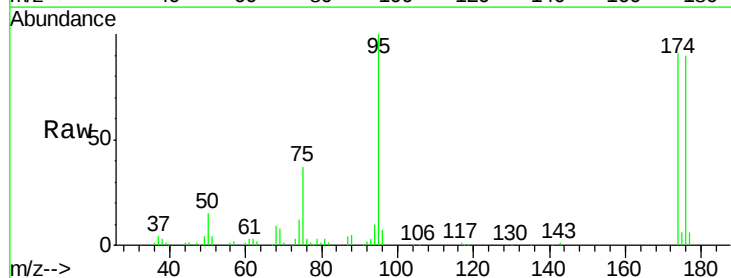
Tgt Ion: 95 Resp: 137481

Ion Ratio Lower Upper

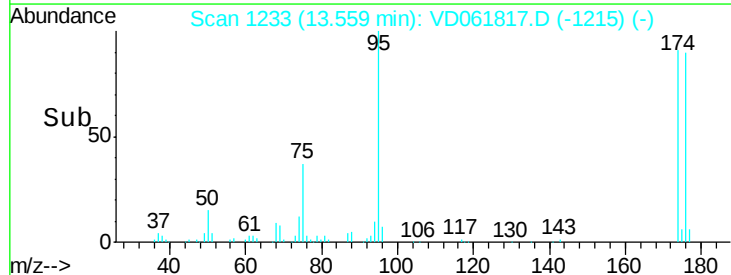
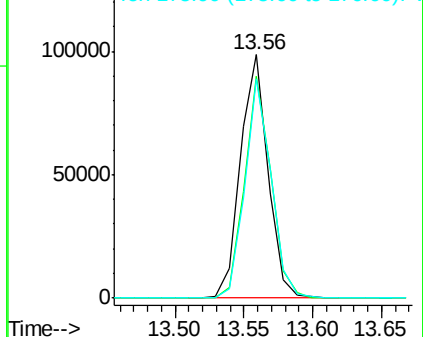
95 100

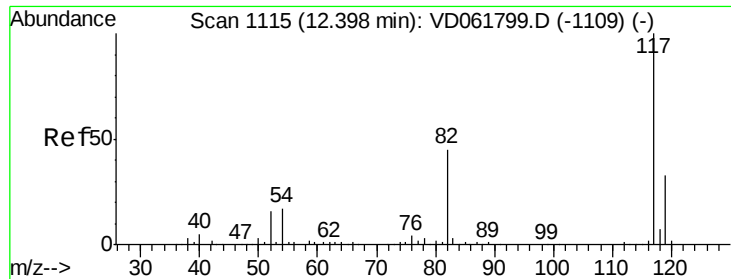
174 91.3 0.0 181.8

176 90.3 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

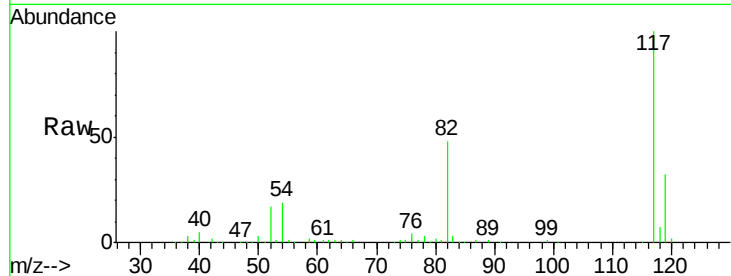




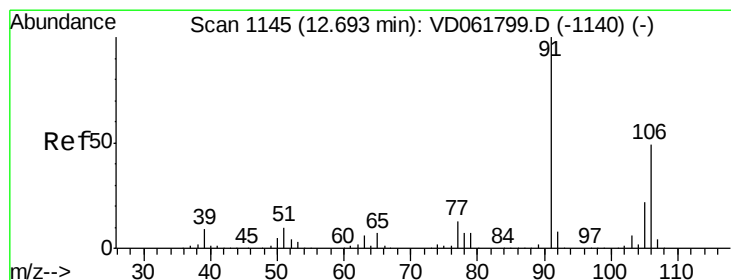
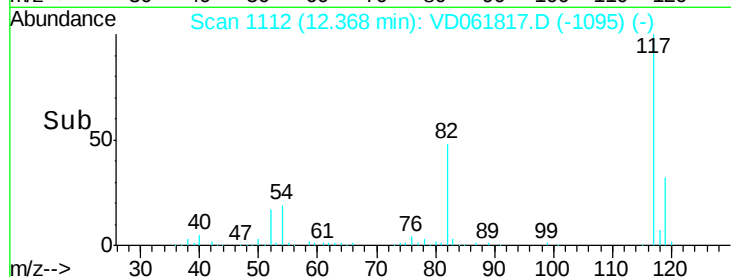
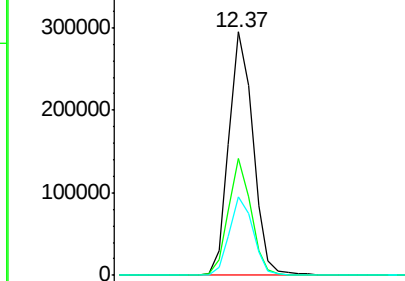
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061817.D
Acq: 16 Apr 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 490496
Ion Ratio Lower Upper
117 100
82 47.9 36.2 54.2
119 32.3 26.2 39.4

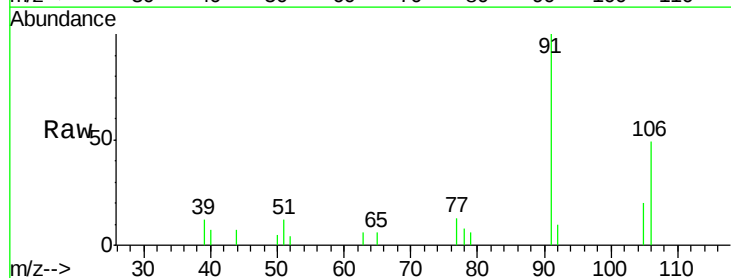


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

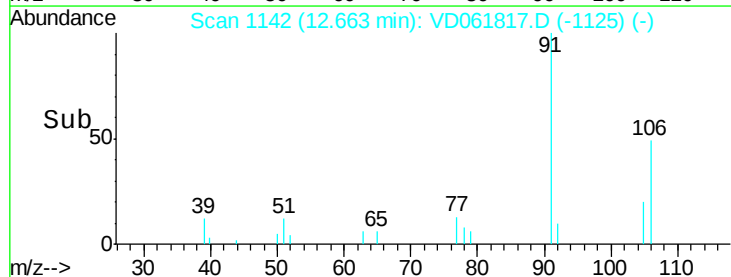
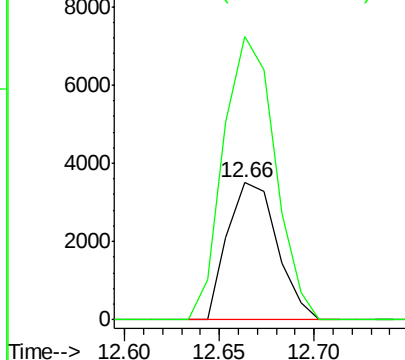


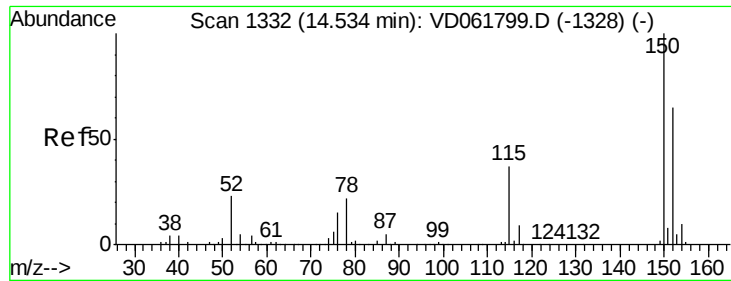
#68
m/p-Xylenes
Concen: 1.157 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VD061817.D
Acq: 16 Apr 2019 18:27

Tgt Ion:106 Resp: 6356
Ion Ratio Lower Upper
106 100
91 206.1 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD061817.D

Acq: 16 Apr 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

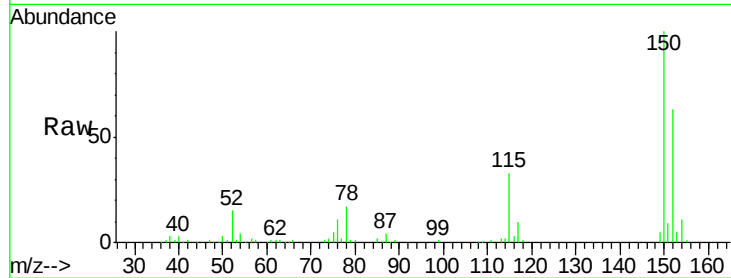
Tot Ion:152 Resp: 117283

Ion Ratio Lower Upper

152 100

115 52.1 30.9 92.7

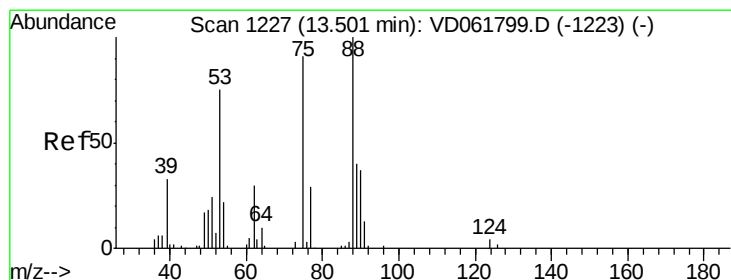
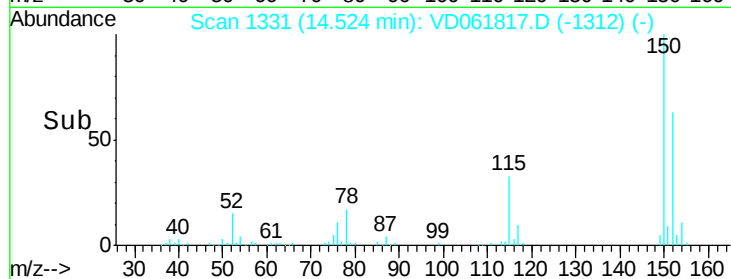
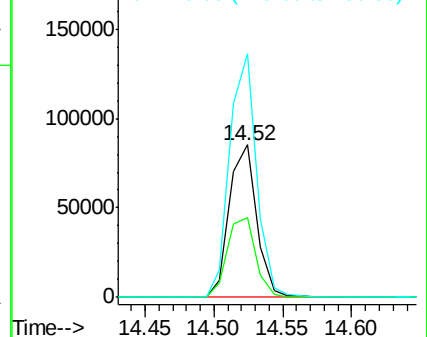
150 159.9 0.0 314.8



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: 100.549 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.06 min

Lab File: VD061817.D

Acq: 16 Apr 2019 18:27

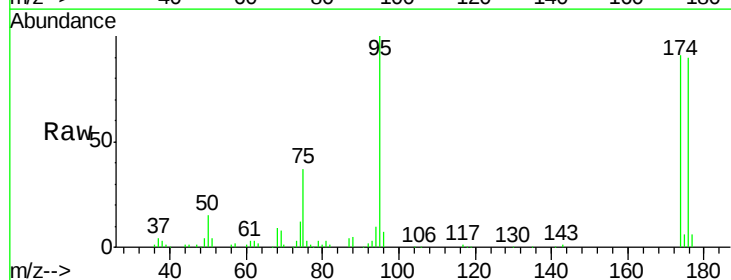
Tgt Ion: 75 Resp: 51993

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

