

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061591.D
 Acq On : 4 Apr 2019 20:55
 Operator : VA/AP
 Sample : K2209-07RE
 Misc : 5.88g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:40:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

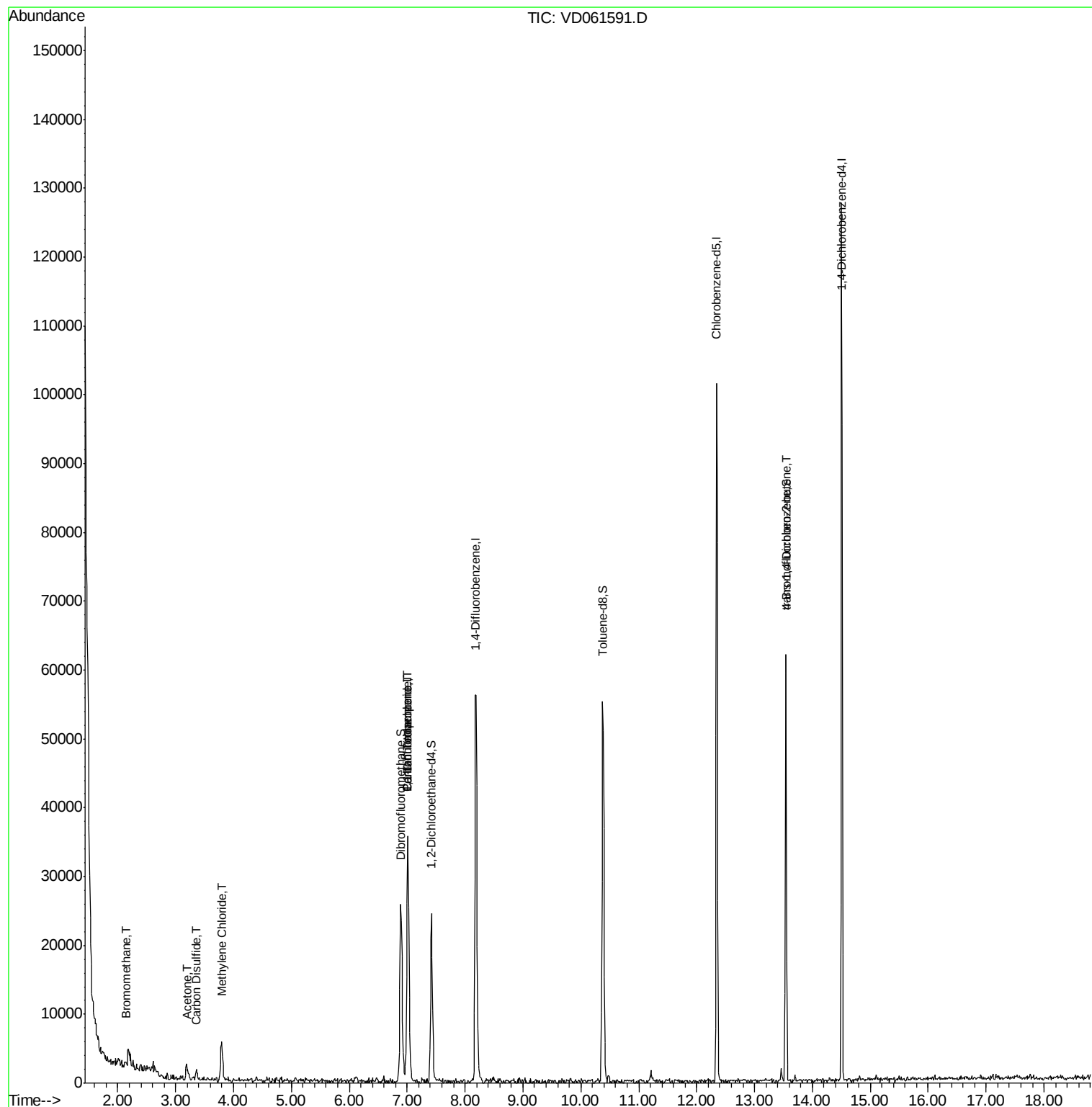
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	40567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	73130	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	63527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	28888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	24193	69.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.62%	
35) Dibromofluoromethane	6.89	113	27716	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
50) Toluene-d8	10.38	98	51619	38.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.02%	
62) 4-Bromofluorobenzene	13.54	95	21265	41.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.74%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.16	94	180	2.798	ug/l #	10
16) Acetone	3.19	43	3737	41.949	ug/l	92
17) Carbon Disulfide	3.36	76	2179	1.540	ug/l #	75
20) Methylene Chloride	3.79	84	5056	8.539	ug/l #	77
36) 1,1-Dichloropropene	7.01	75	2705	4.238	ug/l #	38
38) Carbon Tetrachloride	7.01	117	4339	5.916	ug/l #	10
81) trans-1,4-Dichloro-2-buten	13.54	75	7812	61.399	ug/l #	18

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD061591.D

Acq: 4 Apr 2019 20:55

Instrument :

MSVOA_D

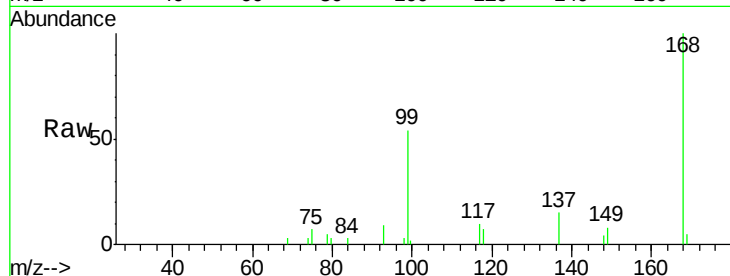
ClientSampleId :

Tot Ion:168 Resp: 40567

Ion Ratio Lower Upper

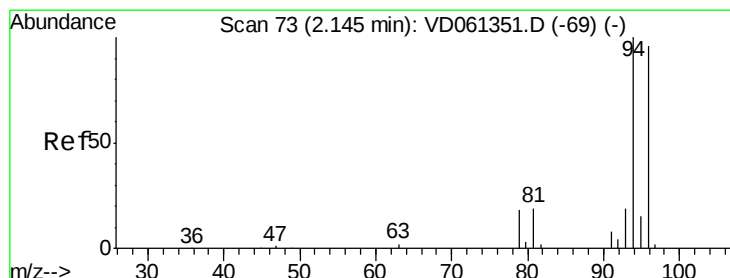
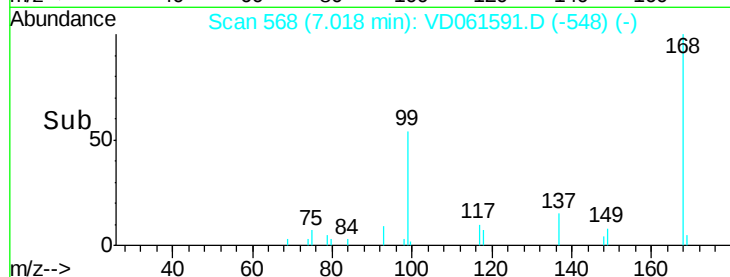
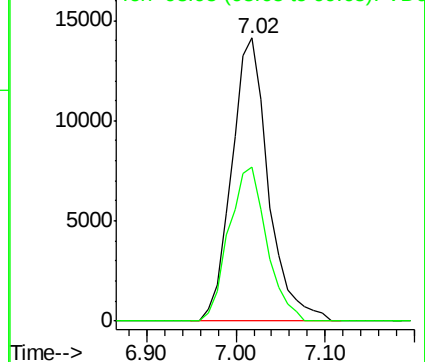
168 100

99 56.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.798 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061591.D

Acq: 4 Apr 2019 20:55

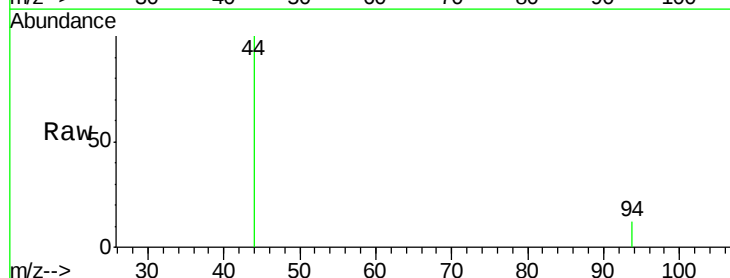
Tgt Ion: 94 Resp: 180

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

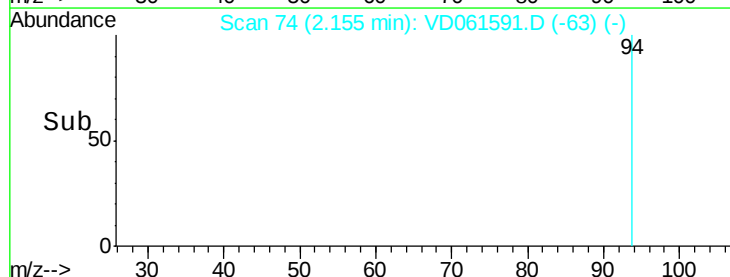
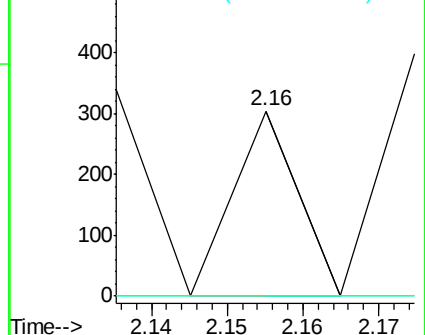
93 0.0 15.6 23.4#



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: 41.949 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.01 min

Lab File: VD061591.D

Acq: 4 Apr 2019 20:55

Instrument :

MSVOA_D

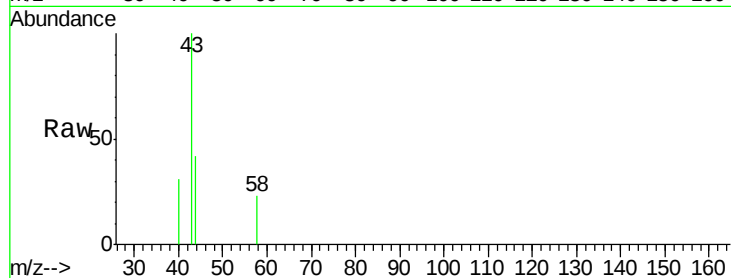
ClientSampleId :

Tot Ion: 43 Resp: 3737

Ion Ratio Lower Upper

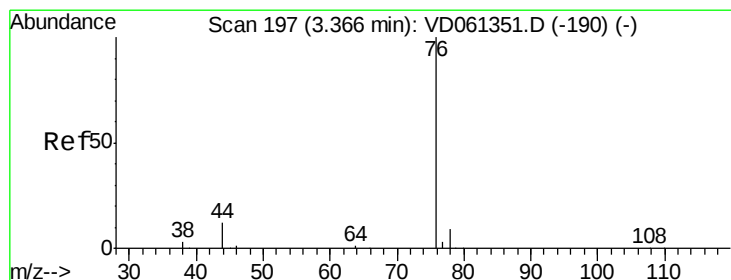
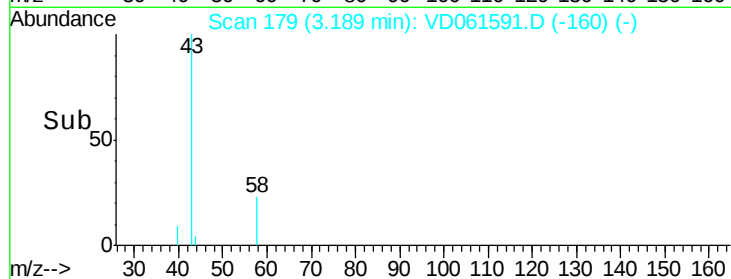
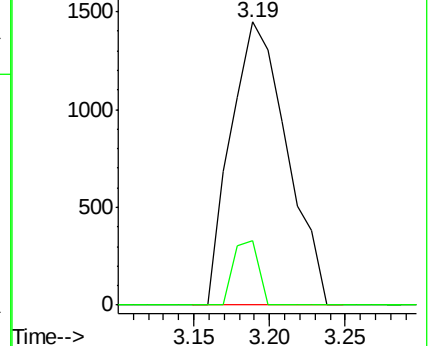
43 100

58 23.0 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 1.540 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD061591.D

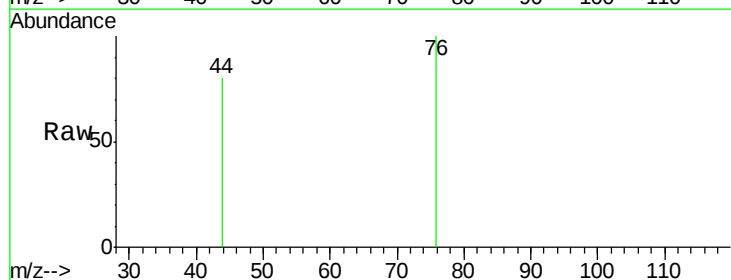
Acq: 4 Apr 2019 20:55

Tgt Ion: 76 Resp: 2179

Ion Ratio Lower Upper

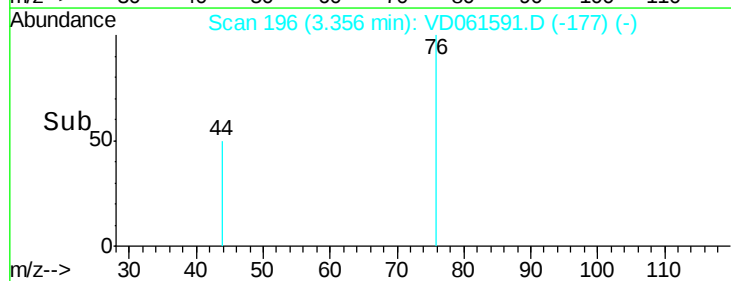
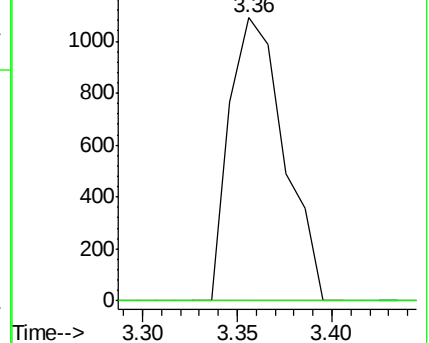
76 100

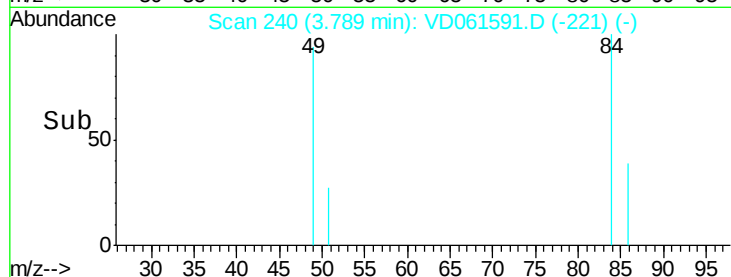
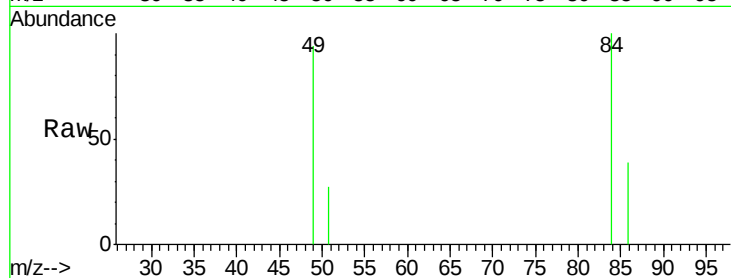
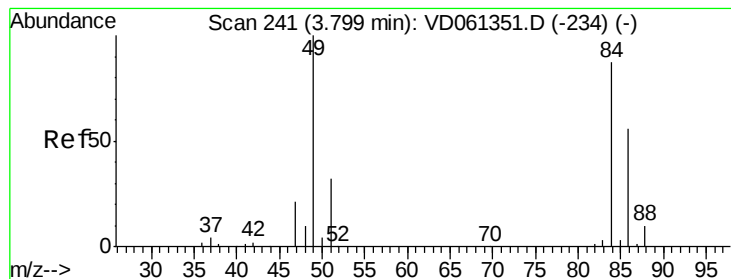
78 0.0 7.1 10.7#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





#20

Methylene Chloride

Concen: 8.539 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD061591.D

Acq: 4 Apr 2019 20:55

Tot Ion: 84 Resp: 5056

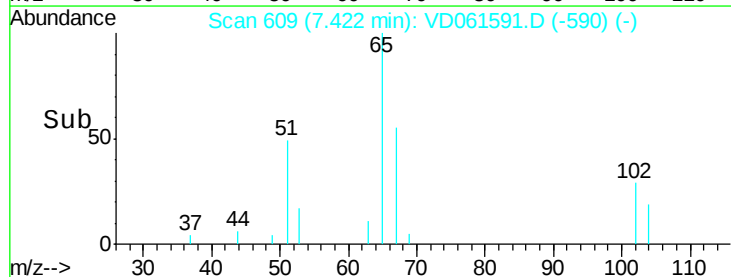
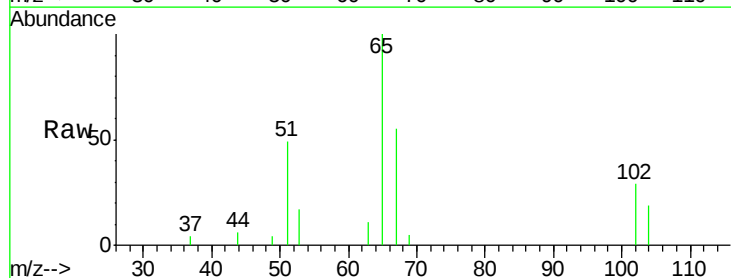
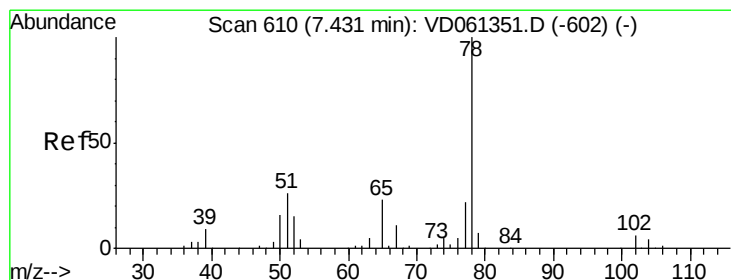
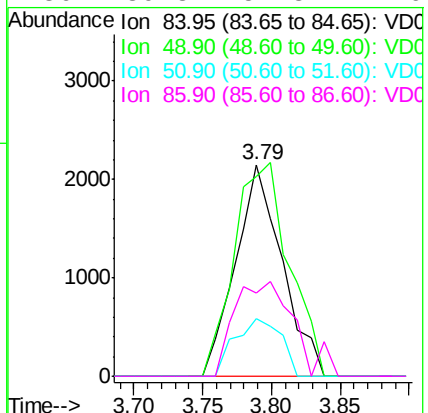
Ion Ratio Lower Upper

84 100

49 94.5 91.8 137.8

51 27.2 29.8 44.8#

86 39.3 51.8 77.6#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD061591.D

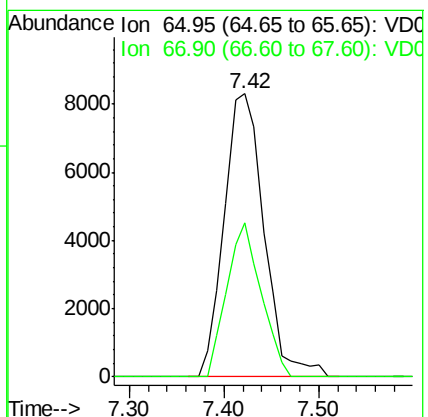
Acq: 4 Apr 2019 20:55

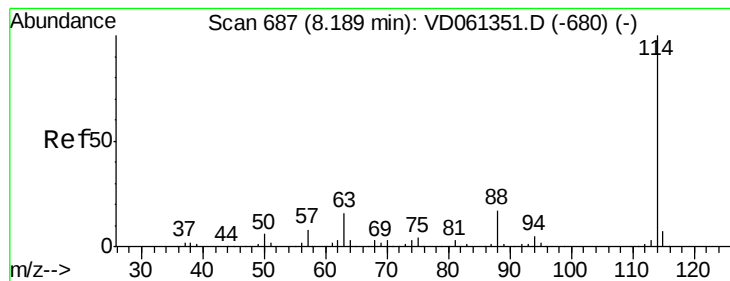
Tgt Ion: 65 Resp: 24193

Ion Ratio Lower Upper

65 100

67 54.6 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD061591.D

Acq: 4 Apr 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

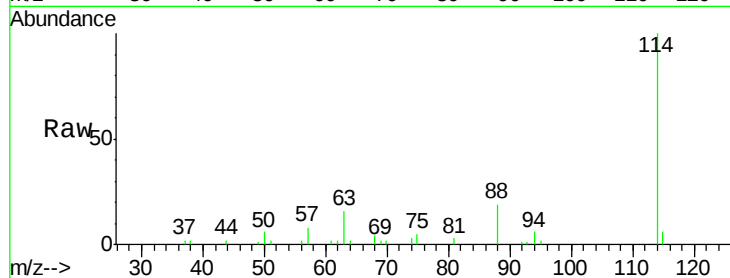
Tot Ion:114 Resp: 73130

Ion Ratio Lower Upper

114 100

63 16.4 0.0 31.6

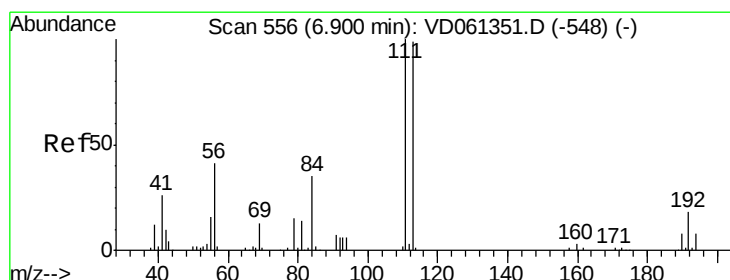
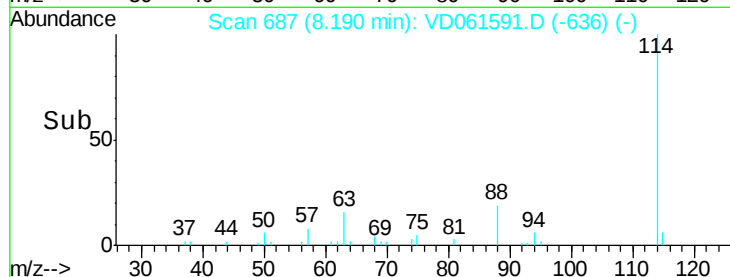
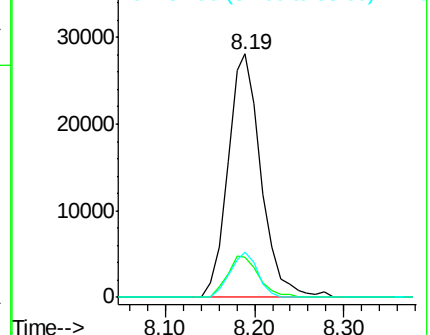
88 18.6 0.0 33.4



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: 6.89 min Scan# 555

Delta R.T. -0.01 min

Lab File: VD061591.D

Acq: 4 Apr 2019 20:55

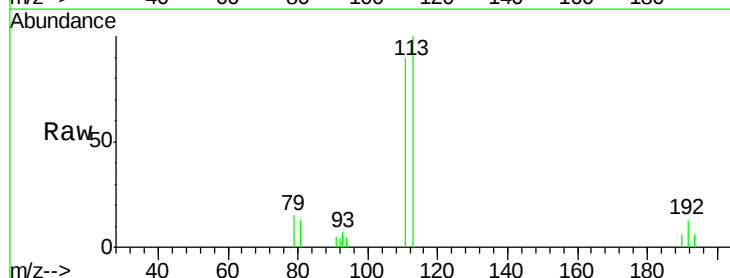
Tgt Ion:113 Resp: 27716

Ion Ratio Lower Upper

113 100

111 89.9 81.0 121.6

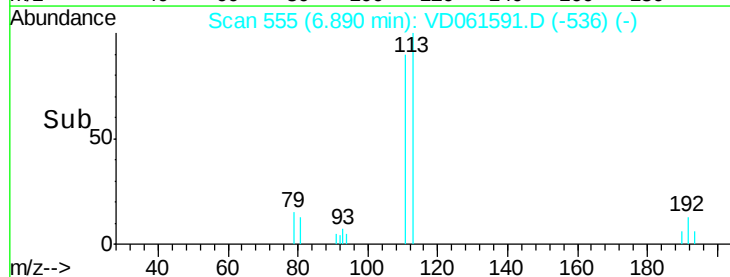
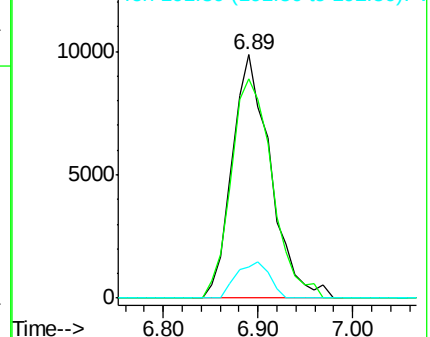
192 12.8 14.4 21.6#

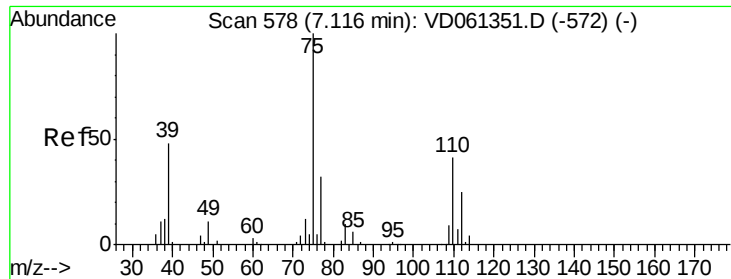


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

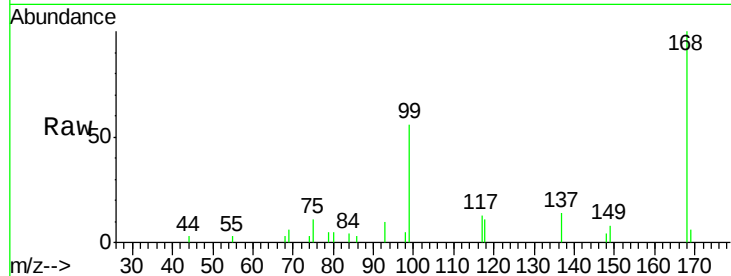




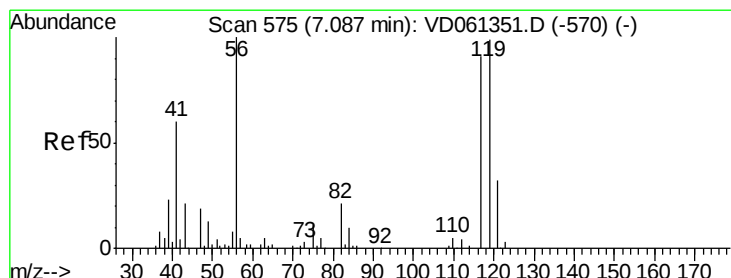
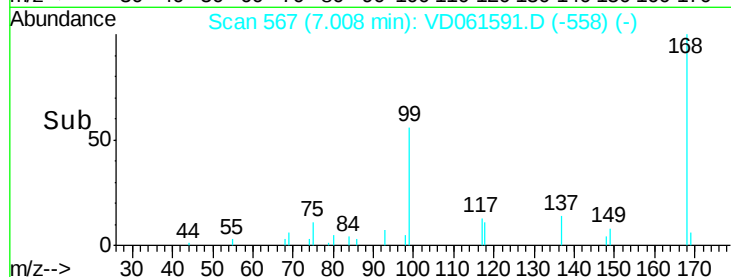
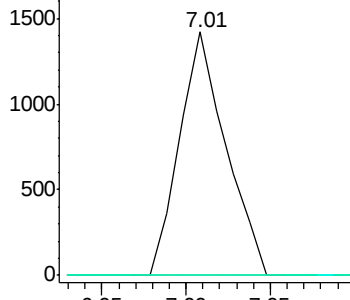
#36
 1,1-Dichloropropene
 Concen: 4.238 ug/l
 RT: 7.01 min Scan# 567
 Delta R.T. -0.11 min
 Lab File: VD061591.D
 Acq: 4 Apr 2019 20:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 2705
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.4 61.3#
 77 0.0 24.9 37.3#

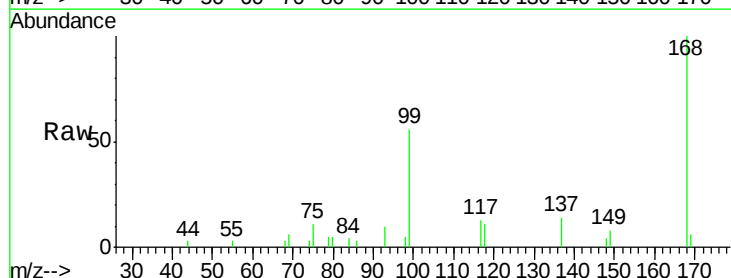


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

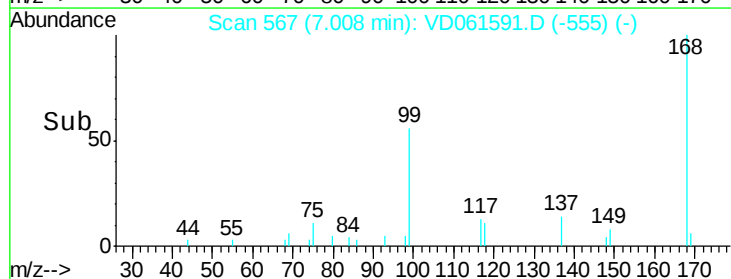
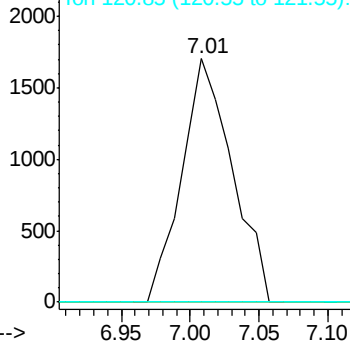


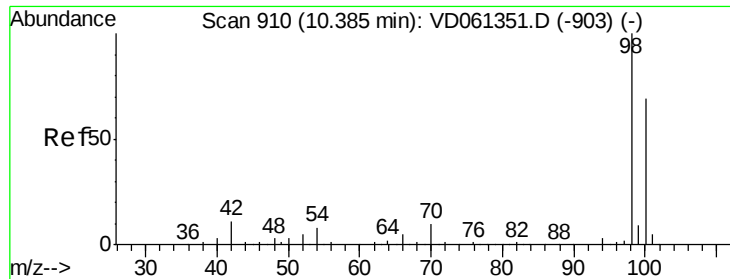
#38
 Carbon Tetrachloride
 Concen: 5.916 ug/l
 RT: 7.01 min Scan# 567
 Delta R.T. -0.08 min
 Lab File: VD061591.D
 Acq: 4 Apr 2019 20:55

Tgt Ion: 117 Resp: 4339
 Ion Ratio Lower Upper
 117 100
 119 0.0 80.1 120.1#
 121 0.0 25.6 38.4#



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

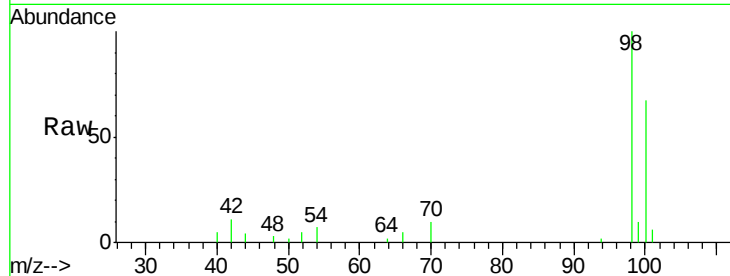




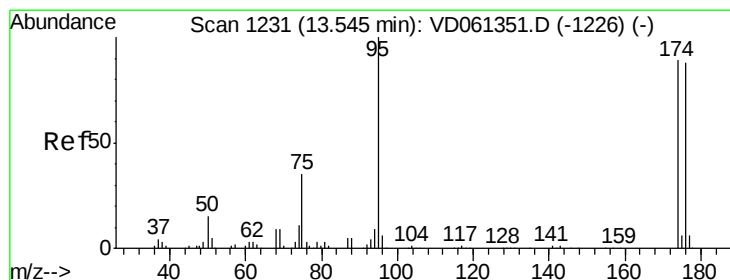
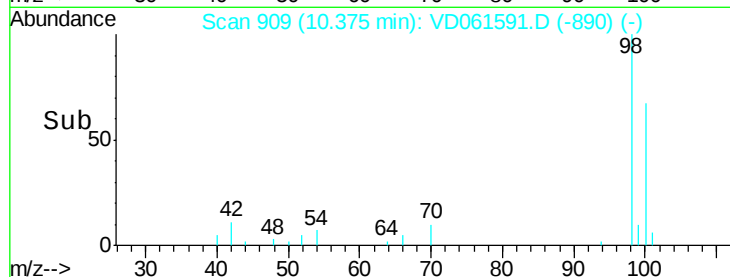
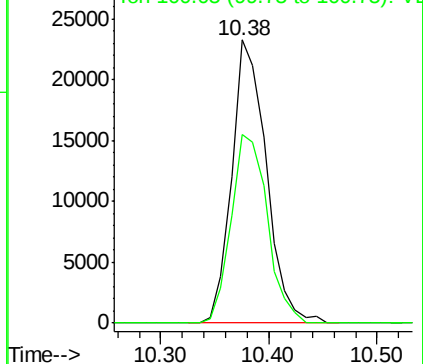
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.38 min Scan# 909
Delta R.T. -0.01 min
Lab File: VD061591.D
Acq: 4 Apr 2019 20:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 51619
Ion Ratio Lower Upper
98 100
100 66.6 56.2 84.2

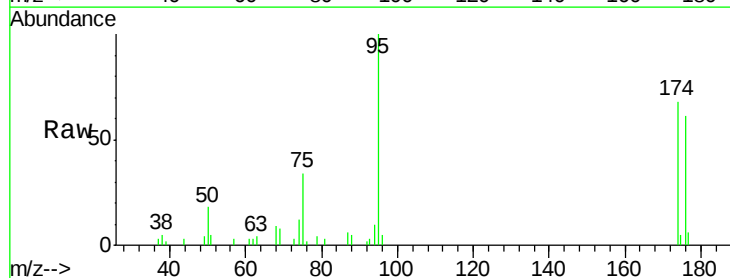


Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

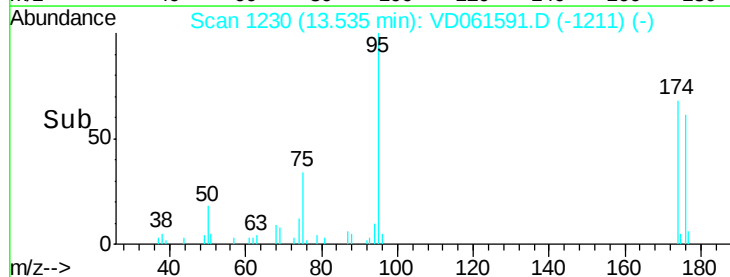
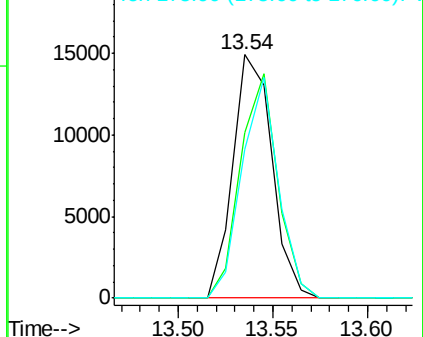


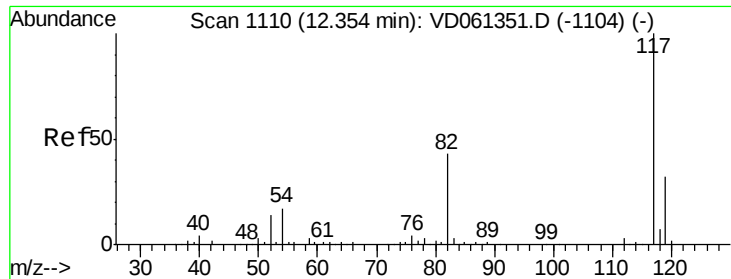
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD061591.D
Acq: 4 Apr 2019 20:55

Tgt Ion: 95 Resp: 21265
Ion Ratio Lower Upper
95 100
174 68.2 0.0 178.0
176 61.2 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)
Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)
Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

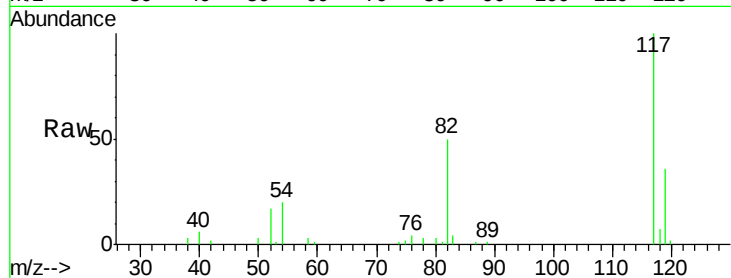




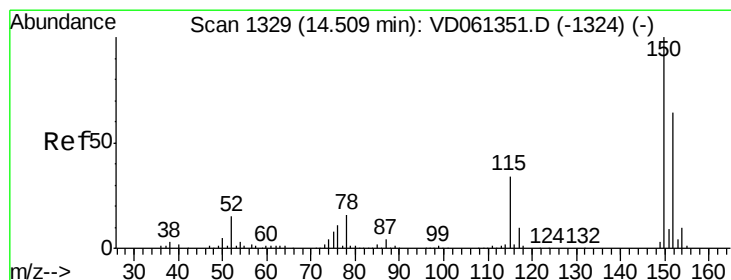
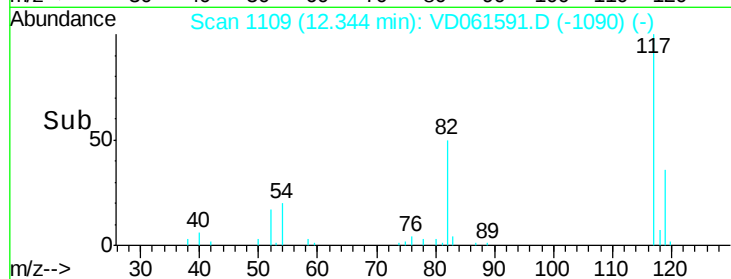
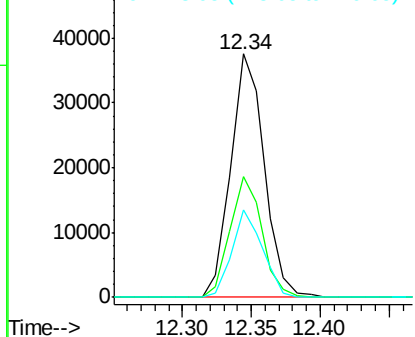
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061591.D
Acq: 4 Apr 2019 20:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 63527
Ion Ratio Lower Upper
117 100
82 49.7 34.4 51.6
119 36.0 25.8 38.6

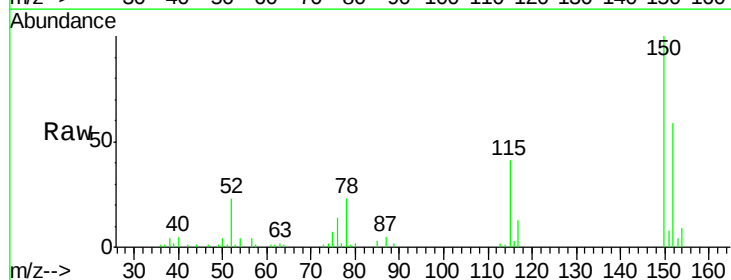


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

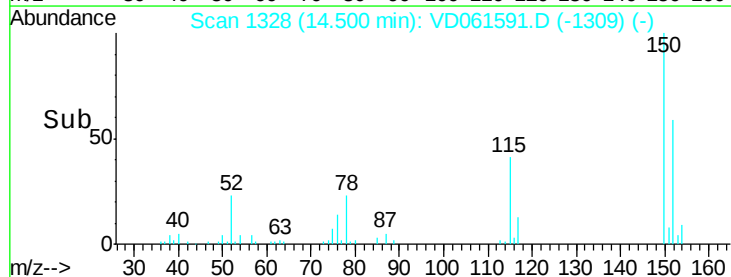
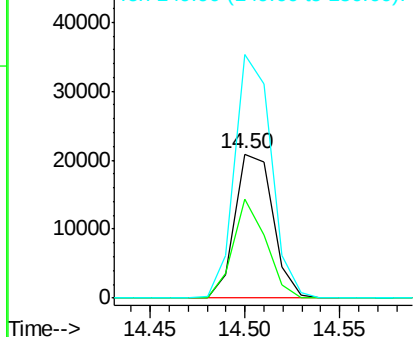


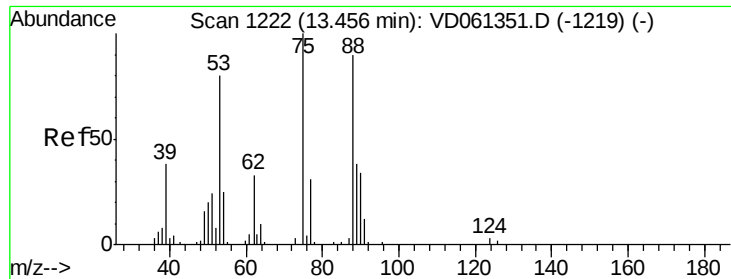
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061591.D
Acq: 4 Apr 2019 20:55

Tgt Ion:152 Resp: 28888
Ion Ratio Lower Upper
152 100
115 69.2 26.9 80.6
150 169.3 0.0 318.0



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: 61.399 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.08 min

Lab File: VD061591.D

Acq: 4 Apr 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

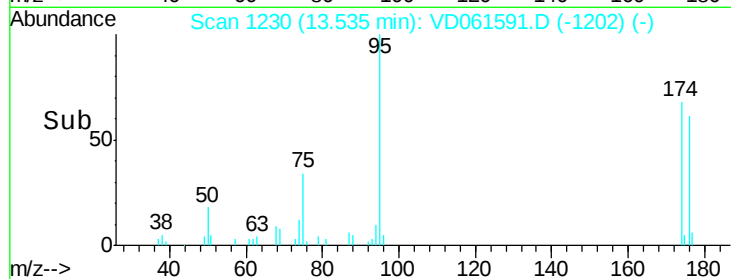
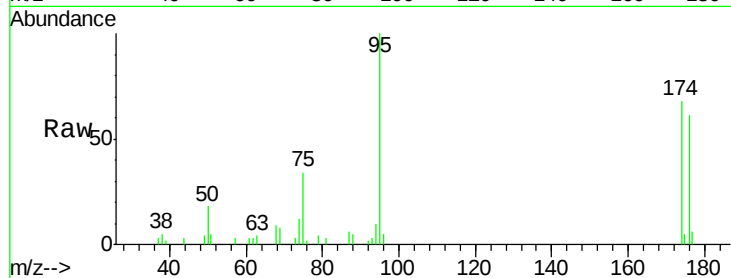
Tot Ion: 75 Resp: 7812

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

