

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061837.D
 Acq On : 17 Apr 2019 6:03
 Operator : VA/AP
 Sample : K2423-05
 Misc : 4.37g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 07:03:04 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	430084	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	752638	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	669381	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	284150	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	202572	56.20	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	112.40%	
35) Dibromofluoromethane	6.93	113	309803	54.48	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	108.96%	
50) Toluene-d8	10.41	98	680836	50.53	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	13.56	95	289954	53.10	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	106.20%	

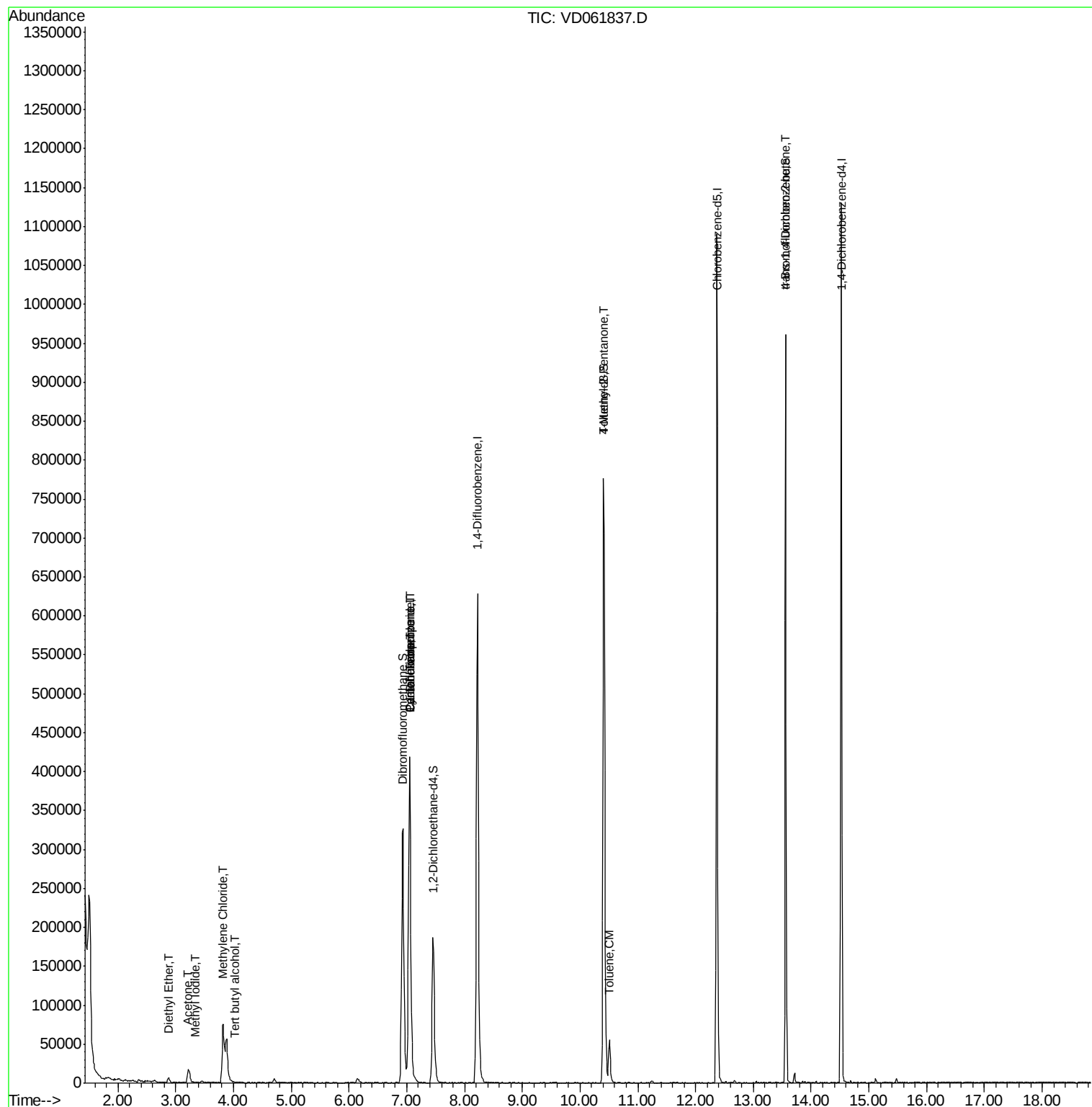
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.12	94	399	Below Cal	#	12
8) Diethyl Ether	2.89	74	2443	1.731	ug/l	51
10) Methyl Iodide	3.34	142	184	3.537	ug/l #	37
11) Tert butyl alcohol	4.03	59	431	2.028	ug/l #	76
16) Acetone	3.21	43	37144	41.811	ug/l	91
20) Methylene Chloride	3.81	84	61752	10.346	ug/l	96
31) Cyclohexane	7.04	56	7359	1.348	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	30903	5.025	ug/l #	48
38) Carbon Tetrachloride	7.05	117	40754	5.248	ug/l #	17
51) 4-Methyl-2-Pentanone	10.41	43	2893	1.277	ug/l #	1
52) Toluene	10.51	92	31932	3.375	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.56	75	111538	89.412	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: VD061837.D

Acq: 17 Apr 2019 6:03

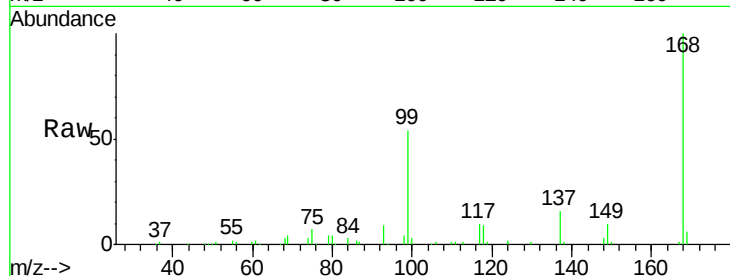
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 430084

Ion Ratio Lower Upper

168 100

99 54.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

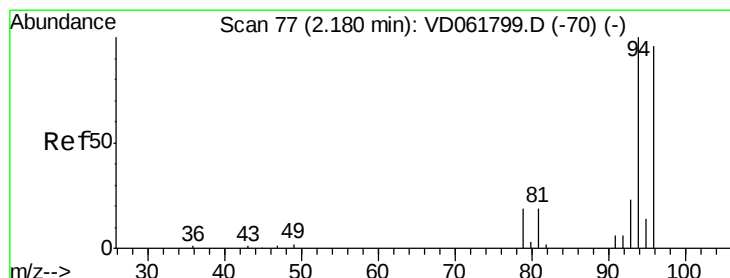
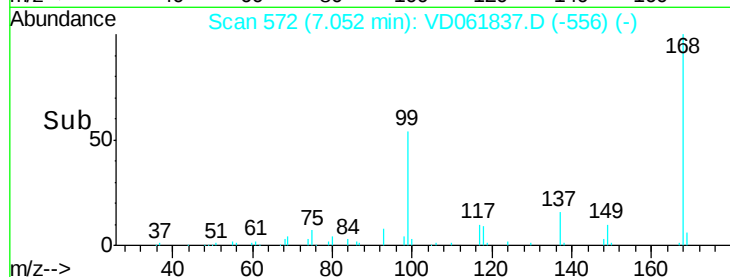
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.12 min Scan# 71

Delta R.T. -0.06 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

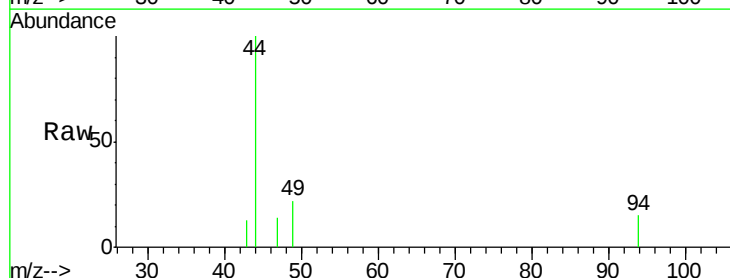
Tgt Ion: 94 Resp: 399

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

2.12

400

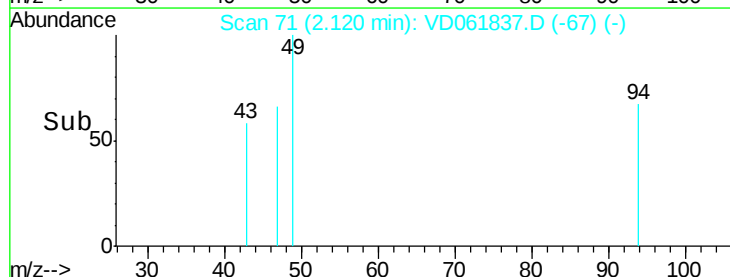
300

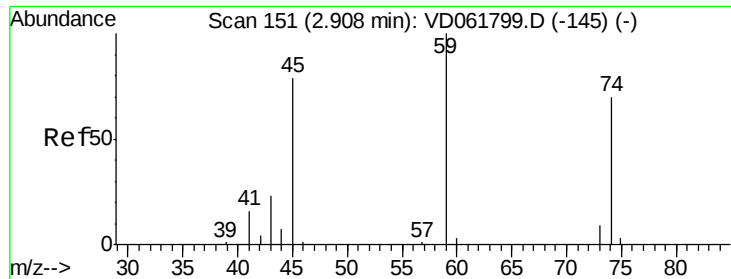
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.731 ug/l

RT: 2.89 min Scan# 149

Delta R.T. -0.02 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

Instrument :

MSVOA_D

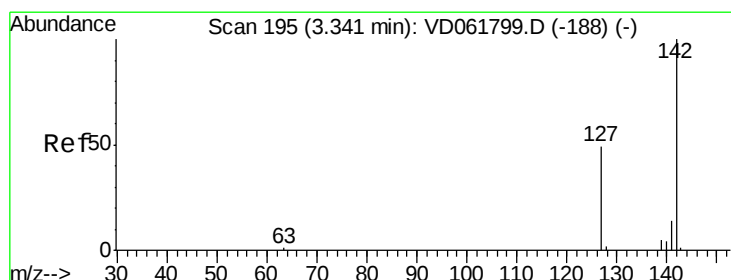
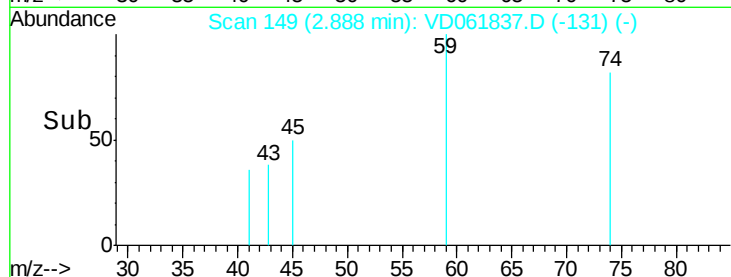
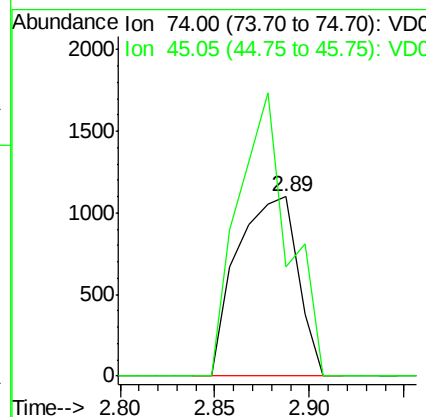
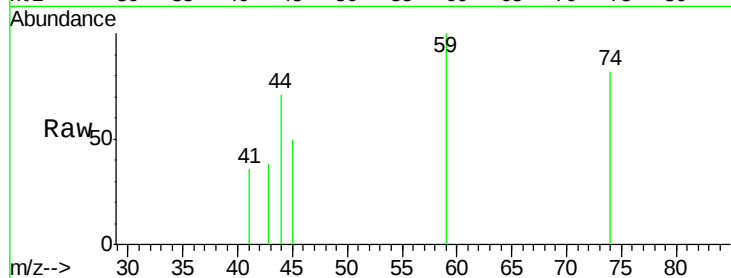
ClientSampleId :

Tot Ion: 74 Resp: 2443

Ion Ratio Lower Upper

74 100

45 60.9 56.9 170.7



#10

Methyl Iodide

Concen: 3.537 ug/l

RT: 3.34 min Scan# 195

Delta R.T. -0.00 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

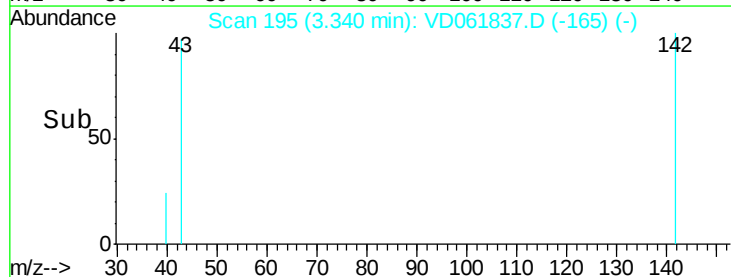
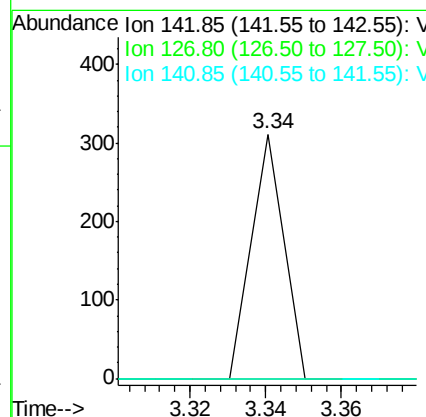
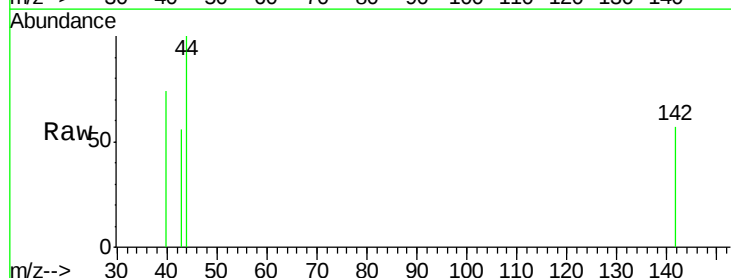
Tgt Ion: 142 Resp: 184

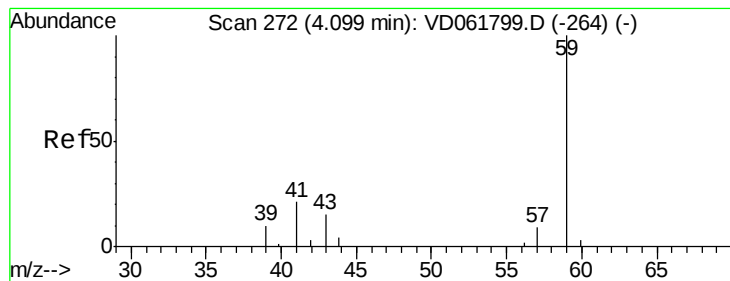
Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



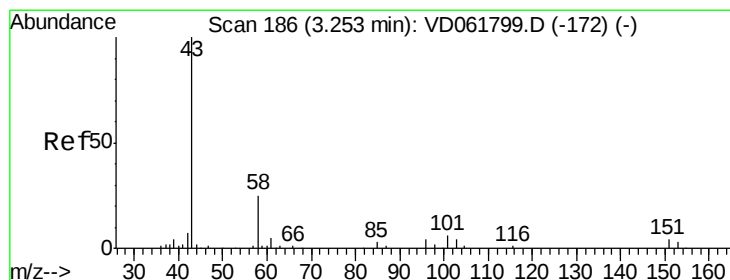
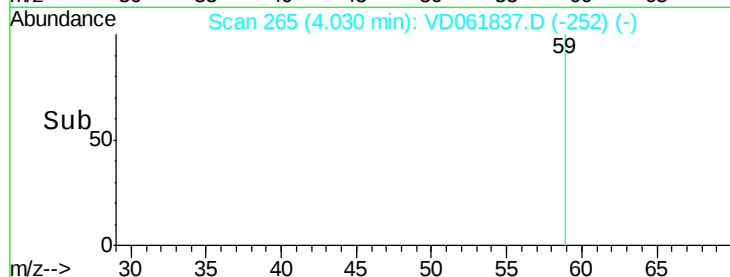
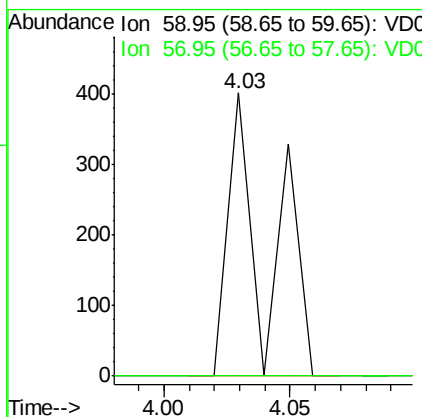
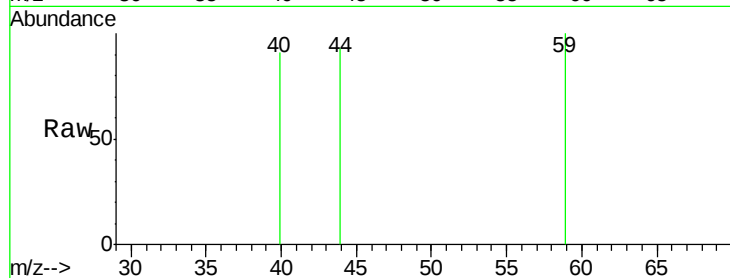


#11

Tert butyl alcohol
 Concen: 2.028 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. -0.07 min
 Lab File: VD061837.D
 Acq: 17 Apr 2019 6:03

Instrument :
 MSVOA_D
 ClientSampleId :

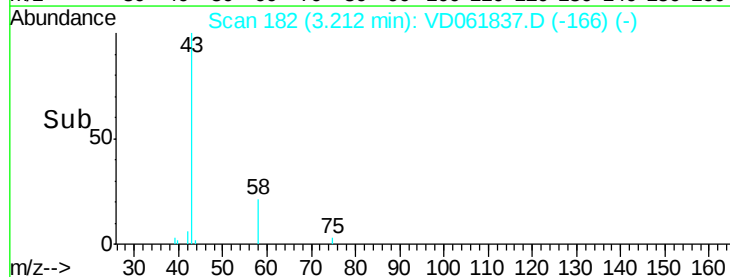
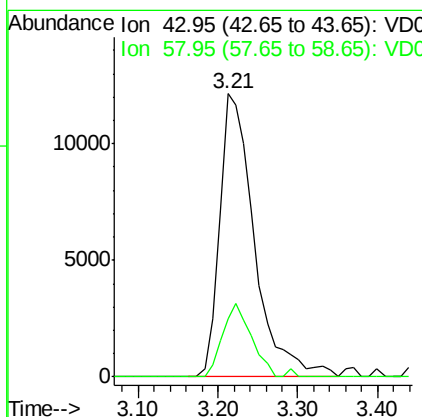
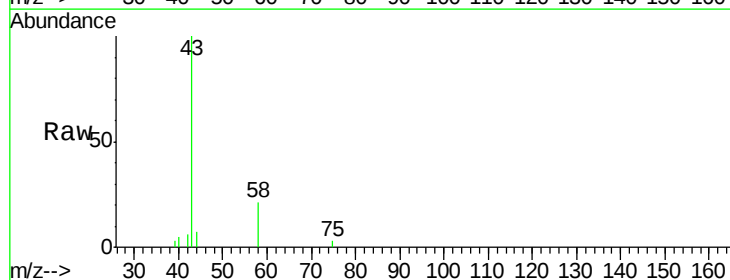
Tot Ion: 59 Resp: 431
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

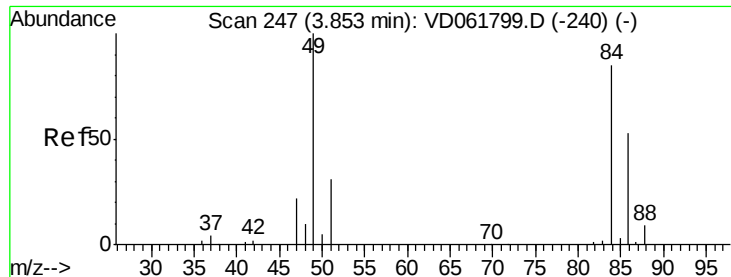


#16

Acetone
 Concen: 41.811 ug/l
 RT: 3.21 min Scan# 182
 Delta R.T. -0.04 min
 Lab File: VD061837.D
 Acq: 17 Apr 2019 6:03

Tgt Ion: 43 Resp: 37144
 Ion Ratio Lower Upper
 43 100
 58 20.6 19.9 29.9

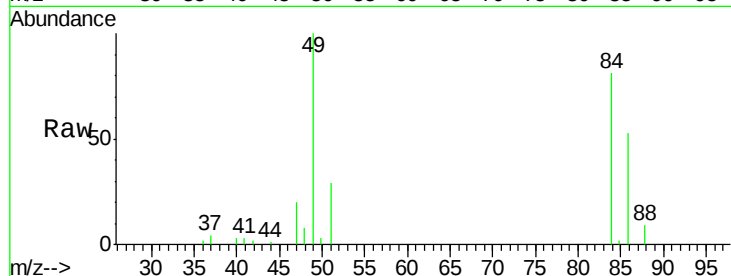




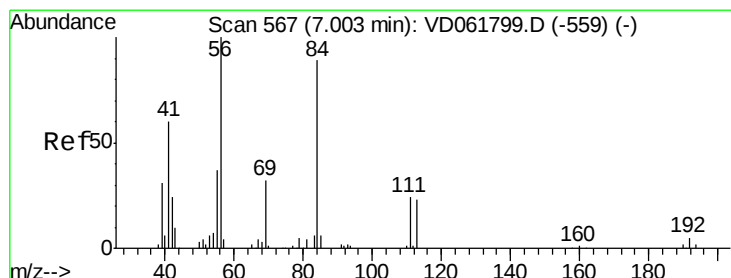
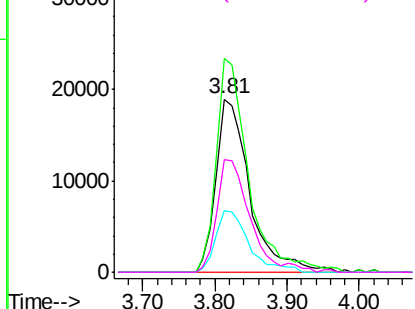
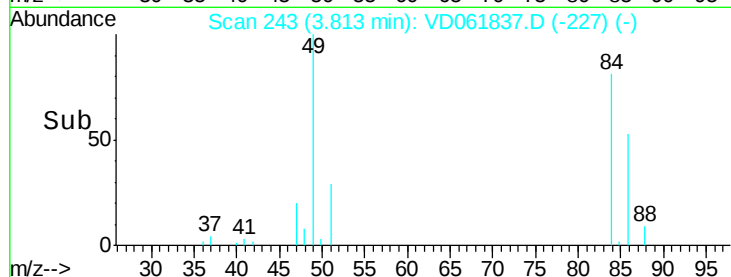
#20
Methylene Chloride
Concen: 10.346 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.04 min
Lab File: VD061837.D
Acq: 17 Apr 2019 6:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 61752
Ion Ratio Lower Upper
84 100
49 123.3 94.0 141.0
51 35.2 29.0 43.4
86 65.3 49.8 74.6

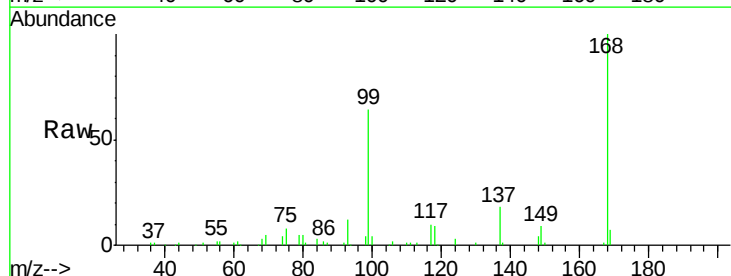


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

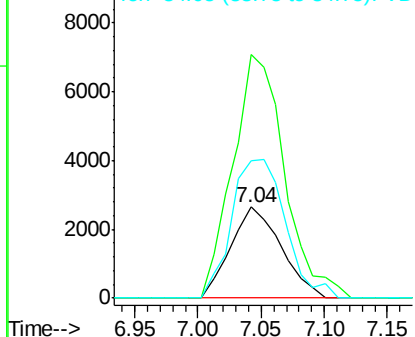
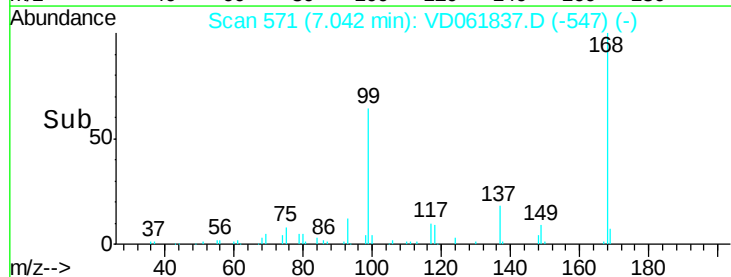


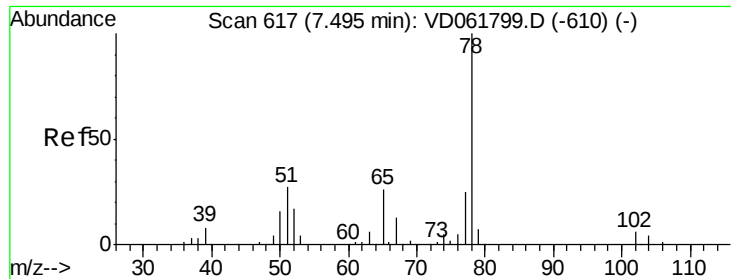
#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.04 min
Lab File: VD061837.D
Acq: 17 Apr 2019 6:03

Tgt Ion: 56 Resp: 7359
Ion Ratio Lower Upper
56 100
69 268.1 25.8 38.6#
84 150.8 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

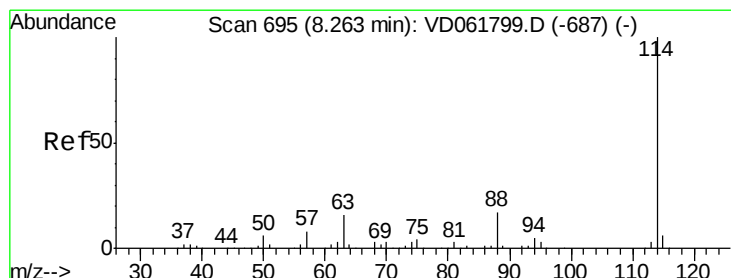
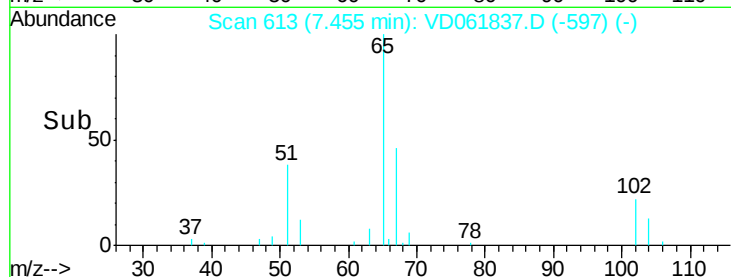
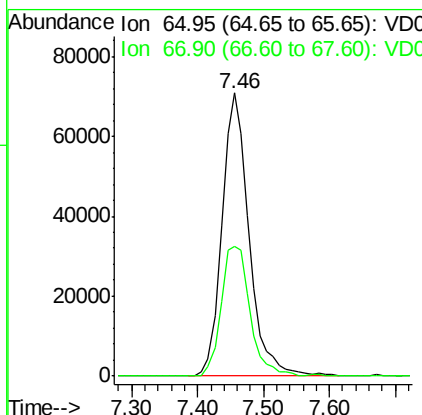
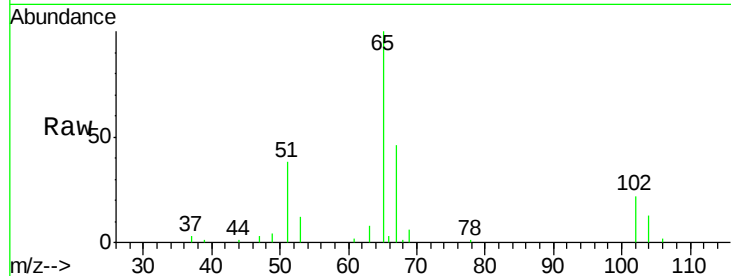




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: VD061837.D
 Acq: 17 Apr 2019 6:03

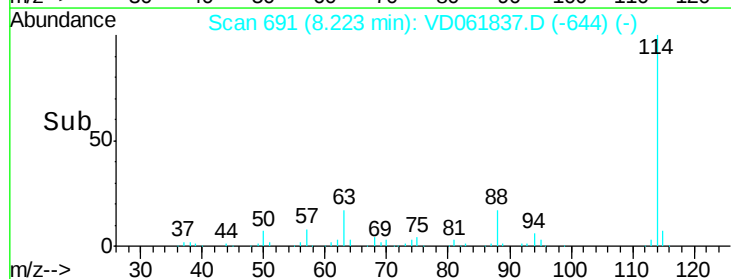
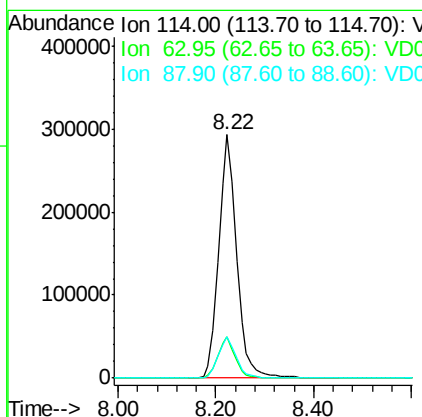
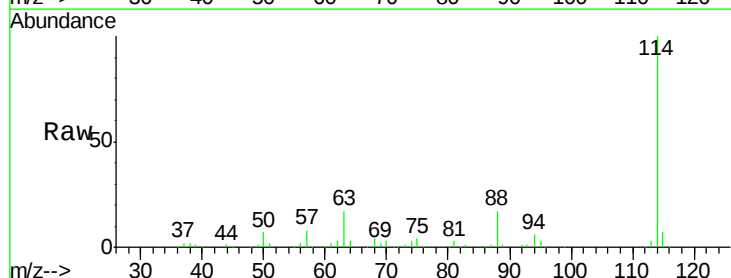
Instrument :
 MSVOA_D
 ClientSampled :

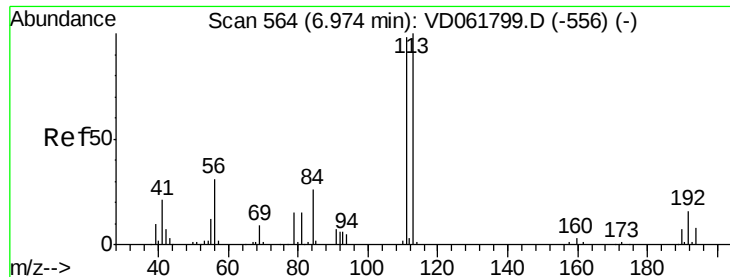
Tot Ion: 65 Resp: 202572
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061837.D
 Acq: 17 Apr 2019 6:03

Tgt Ion: 114 Resp: 752638
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 32.4
 88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

Instrument :

MSVOA_D

ClientSampleId :

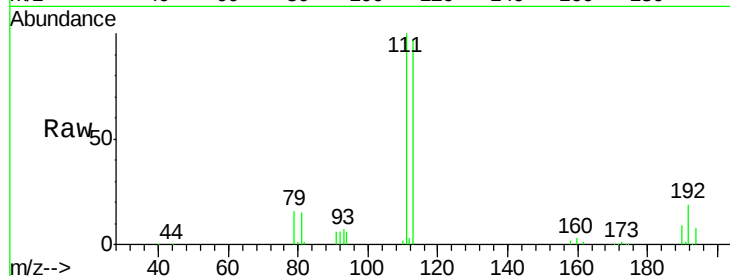
Tot Ion:113 Resp: 309803

Ion Ratio Lower Upper

113 100

111 102.8 78.5 117.7

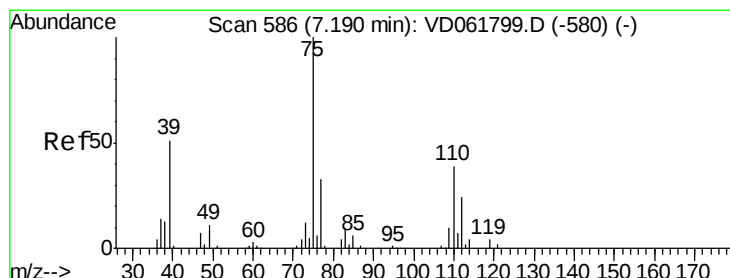
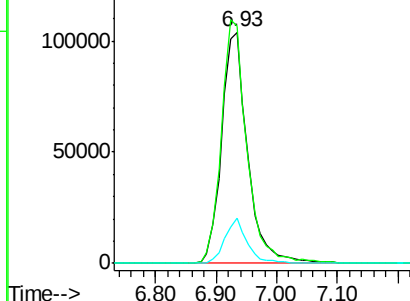
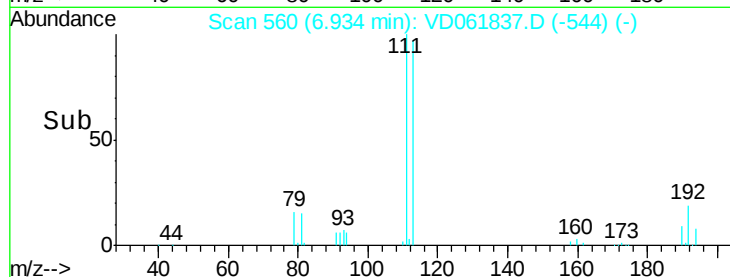
192 19.3 13.0 19.4



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: 5.025 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.15 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

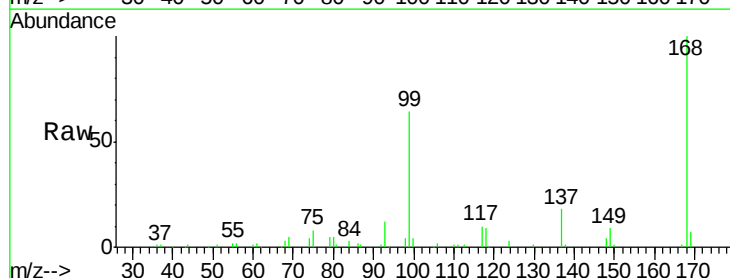
Tgt Ion: 75 Resp: 30903

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.1#

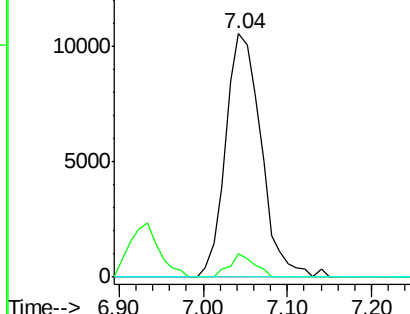
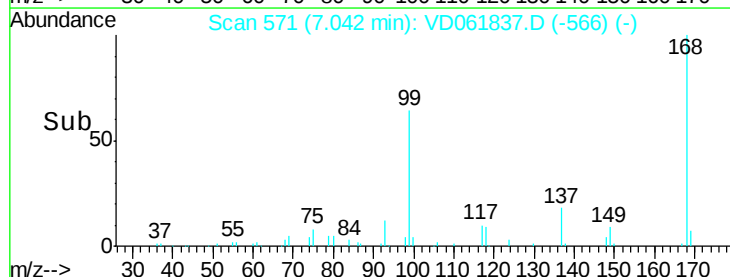
77 0.0 25.6 38.4#

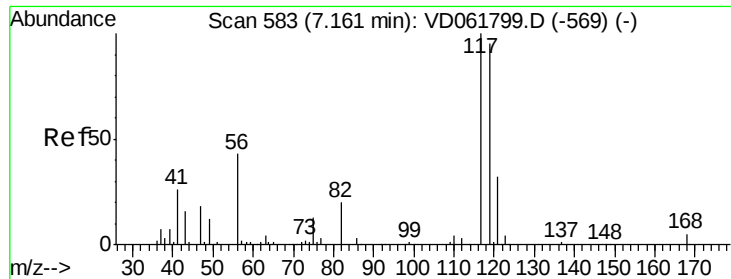


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

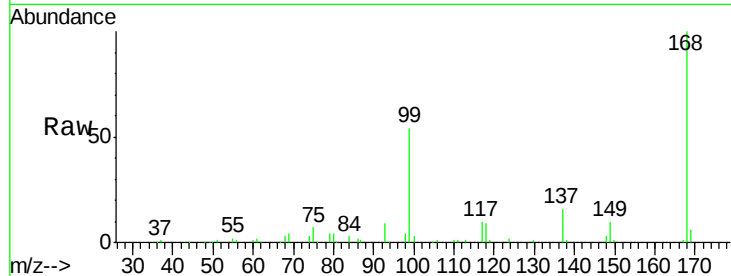




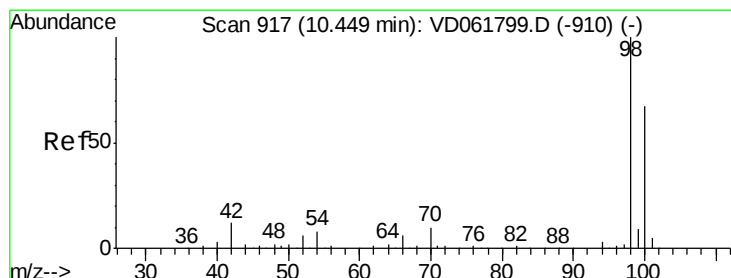
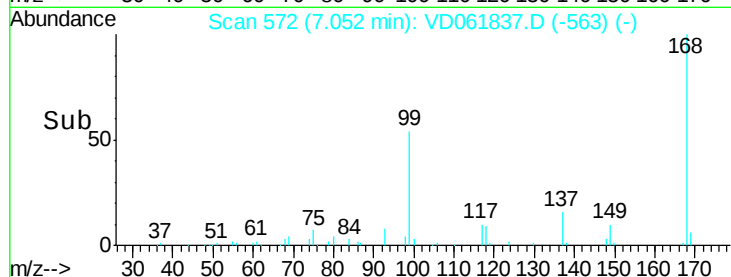
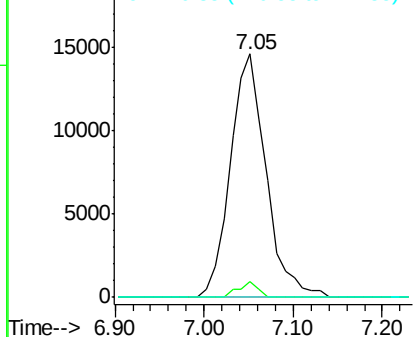
#38
 Carbon Tetrachloride
 Concen: 5.248 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.11 min
 Lab File: VD061837.D
 Acq: 17 Apr 2019 6:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:117 Resp: 40754
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.8 113.8#
 121 0.0 25.9 38.9#

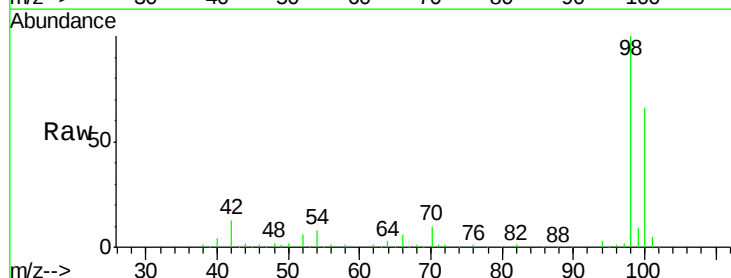


Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V

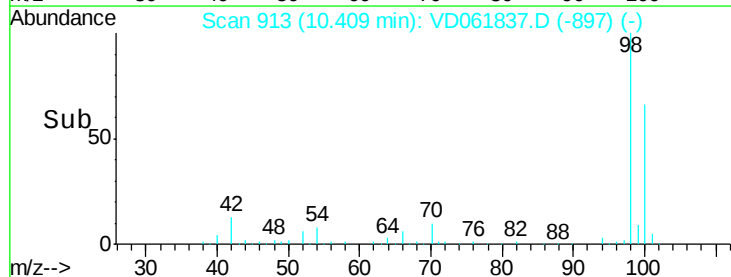
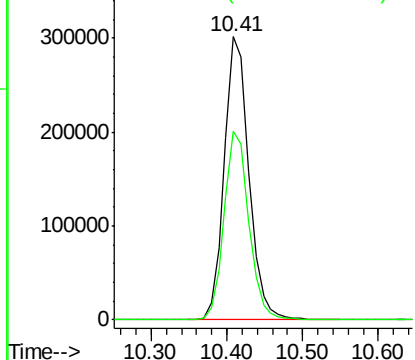


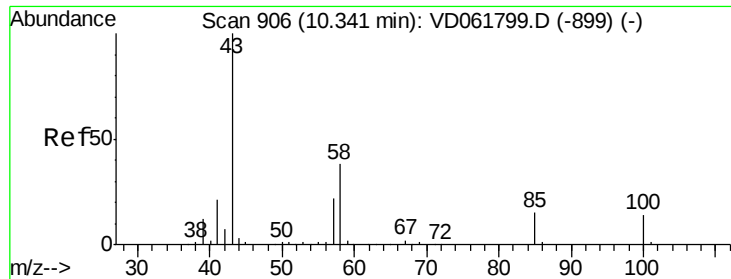
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.04 min
 Lab File: VD061837.D
 Acq: 17 Apr 2019 6:03

Tgt Ion: 98 Resp: 680836
 Ion Ratio Lower Upper
 98 100
 100 66.5 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: 1.277 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.07 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

Instrument :

MSVOA_D

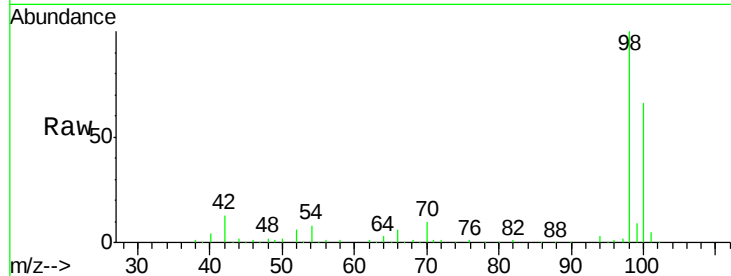
ClientSampleId :

Tot Ion: 43 Resp: 2893

Ion Ratio Lower Upper

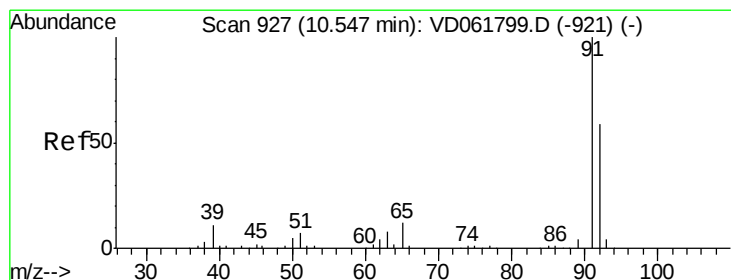
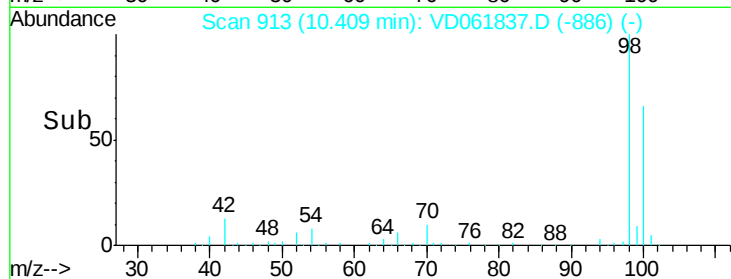
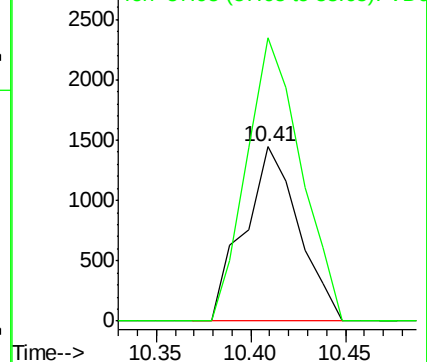
43 100

58 162.2 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: 3.375 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.04 min

Lab File: VD061837.D

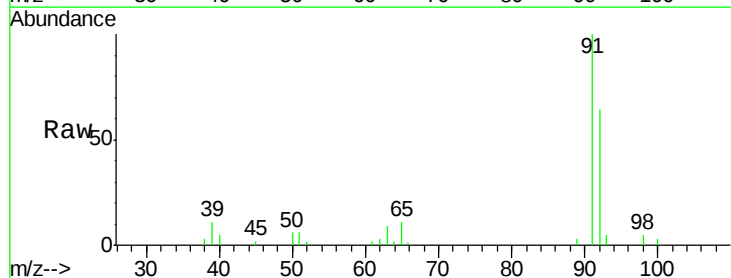
Acq: 17 Apr 2019 6:03

Tgt Ion: 92 Resp: 31932

Ion Ratio Lower Upper

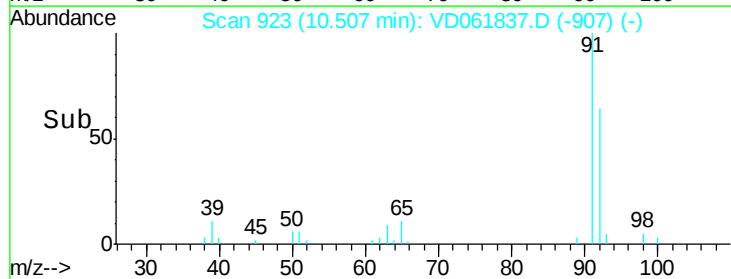
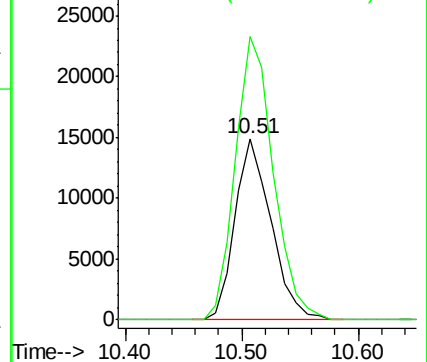
92 100

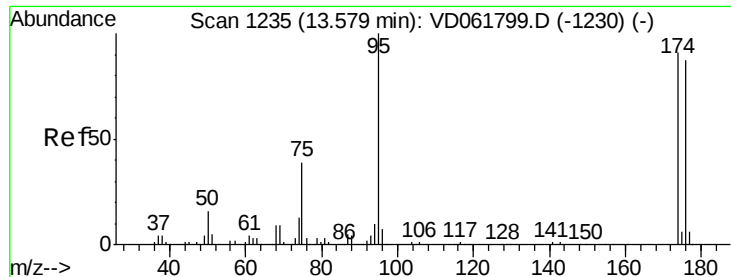
91 156.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

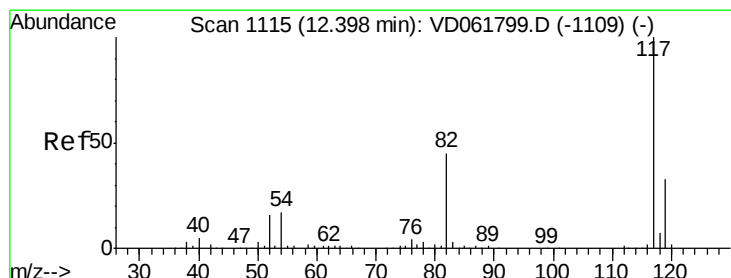
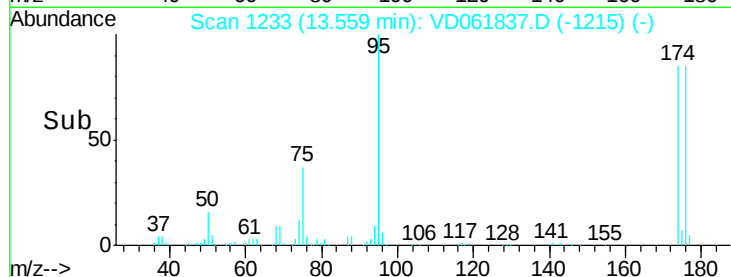
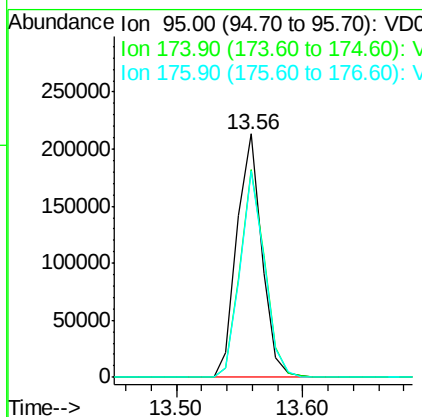
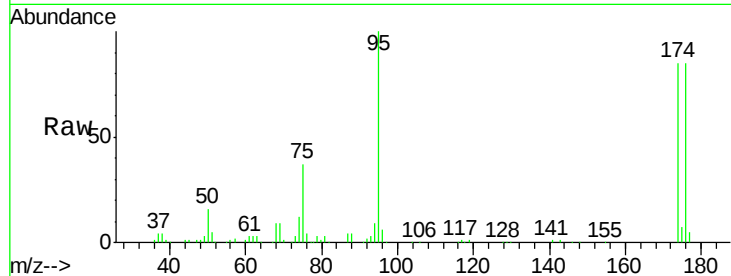




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VD061837.D
Acq: 17 Apr 2019 6:03

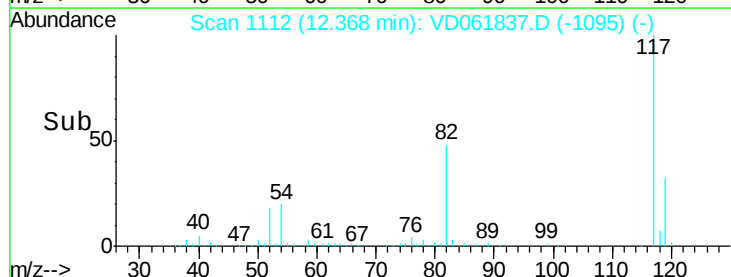
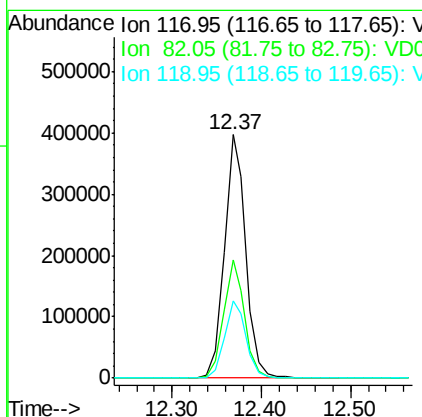
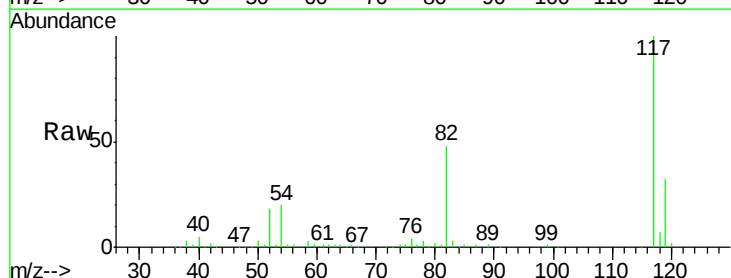
Instrument :
MSVOA_D
ClientSampleId :

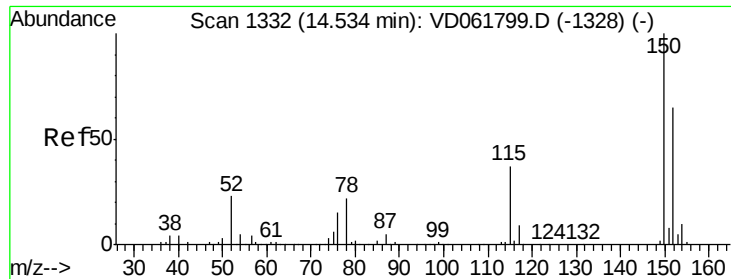
Tot Ion: 95 Resp: 289954
Ion Ratio Lower Upper
95 100
174 85.4 0.0 181.8
176 84.9 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061837.D
Acq: 17 Apr 2019 6:03

Tgt Ion: 117 Resp: 669381
Ion Ratio Lower Upper
117 100
82 48.5 36.2 54.2
119 31.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

Instrument :

MSVOA_D

ClientSampled :

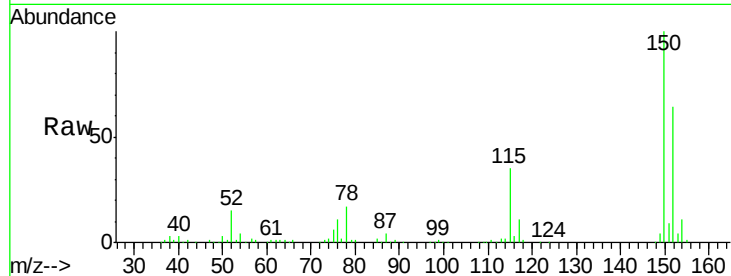
Tot Ion:152 Resp: 284150

Ion Ratio Lower Upper

152 100

115 54.4 30.9 92.7

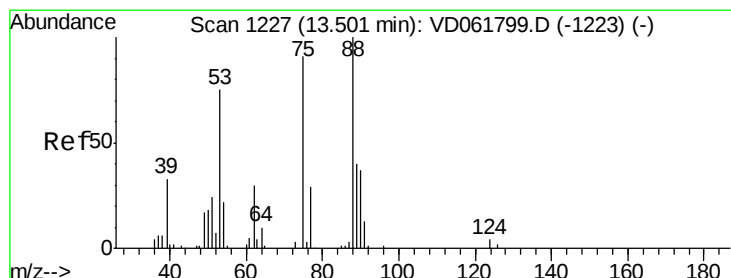
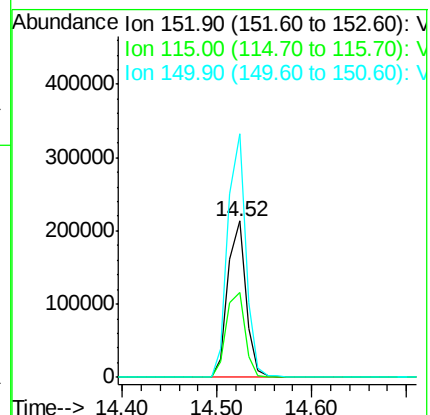
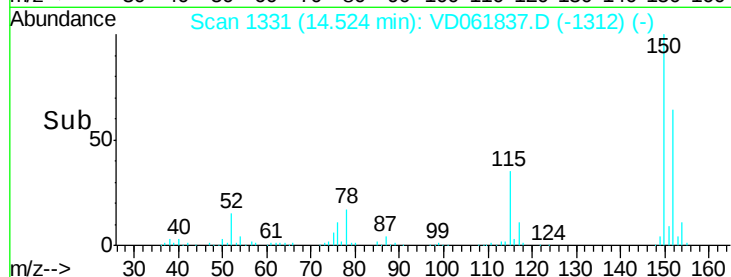
150 155.9 0.0 314.8



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: 89.412 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.06 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

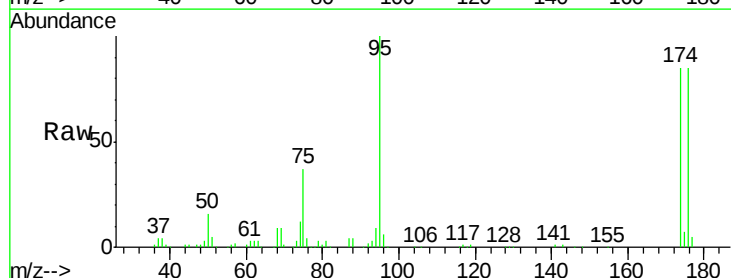
Tgt Ion: 75 Resp: 111538

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

