

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
 Data File : VD061879.D
 Acq On : 18 Apr 2019 17:32
 Operator : VA/AP
 Sample : K2423-19
 Misc : 6.01g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP5-B

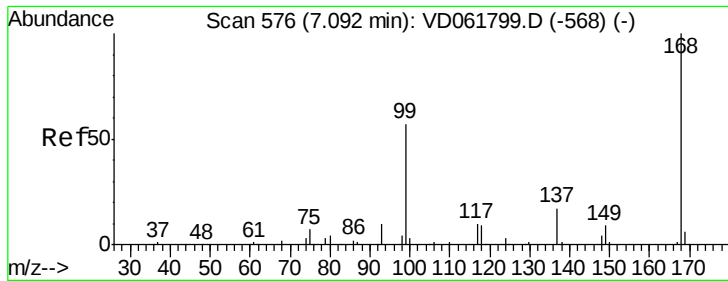
Quant Time: Apr 18 17:55:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	191243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	306374	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	273547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	104165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	134680	84.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	168.06%	
35) Dibromofluoromethane	6.93	113	152222	65.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	131.52%	
50) Toluene-d8	10.41	98	331574	60.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.92%	
62) 4-Bromofluorobenzene	13.55	95	119395	53.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	372	Below Cal	#	12
8) Diethyl Ether	2.87	74	1865	2.972	ug/l	85
10) Methyl Iodide	3.33	142	180	3.564	ug/l #	37
16) Acetone	3.22	43	28903	73.167	ug/l	94
20) Methylene Chloride	3.82	84	27397	10.312	ug/l	94
31) Cyclohexane	7.05	56	2709	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	13745	5.490	ug/l #	48
38) Carbon Tetrachloride	7.04	117	18095	5.724	ug/l #	12
51) 4-Methyl-2-Pentanone	10.40	43	1400	1.518	ug/l #	1
52) Toluene	10.51	92	8609	2.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.55	75	48155	104.712	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

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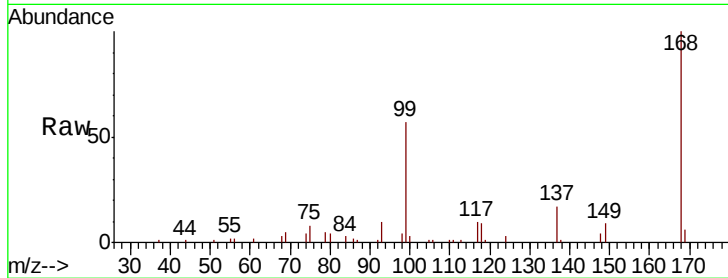
TP5-B

Tgt Ion:168 Resp: 191243

Ion Ratio Lower Upper

168 100

99 56.9 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

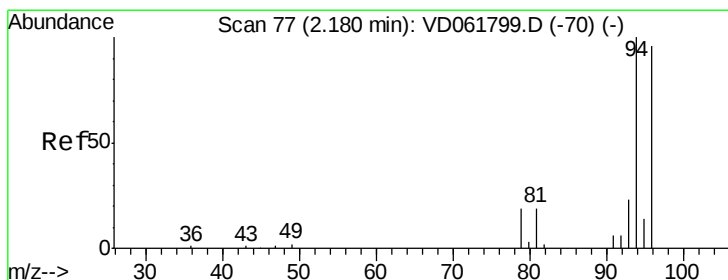
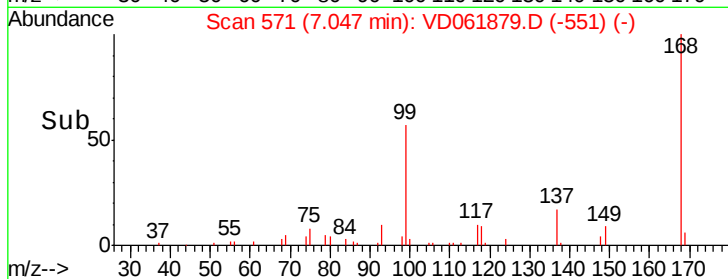
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD061879.D

Acq: 18 Apr 2019 17:32

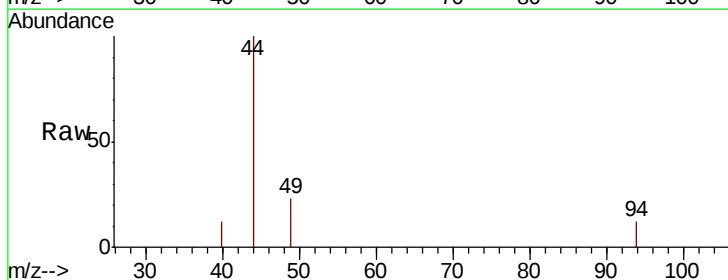
Tgt Ion: 94 Resp: 372

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

2.16

400

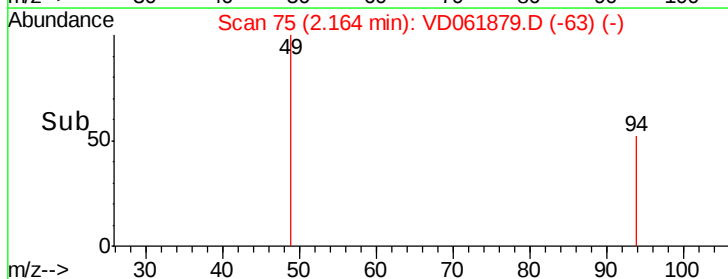
300

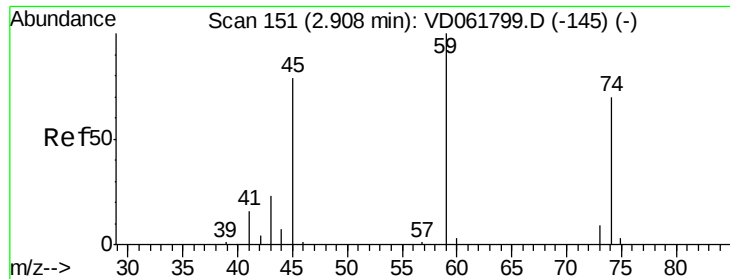
200

100

0

Time-->

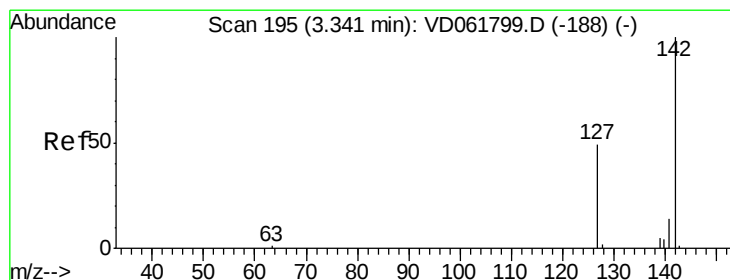
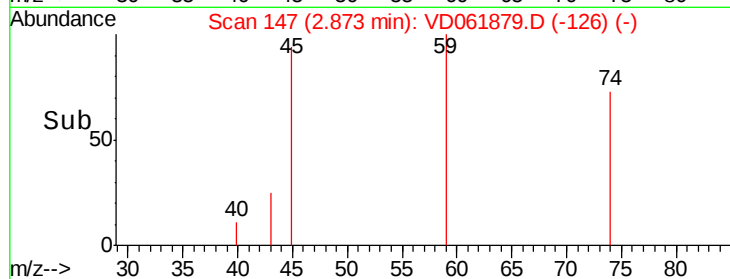
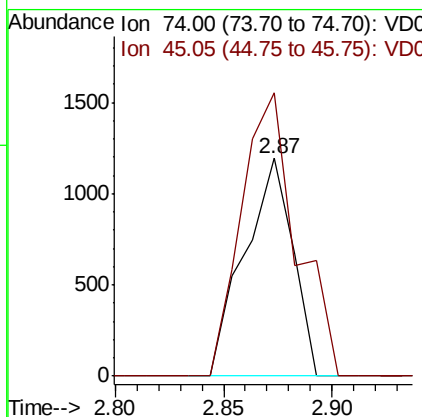
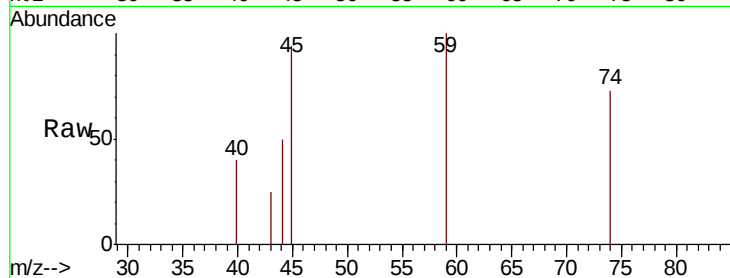




#8
 Diethyl Ether
 Concen: 2.972 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061879.D
 Acq: 18 Apr 2019 17:32

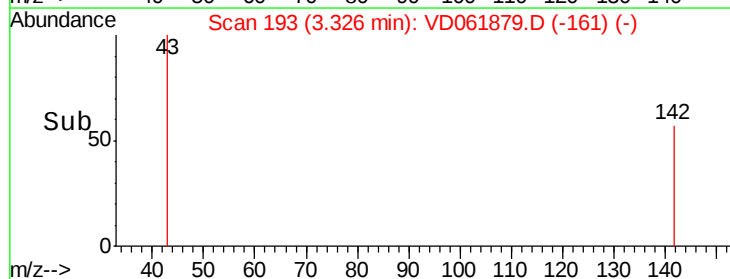
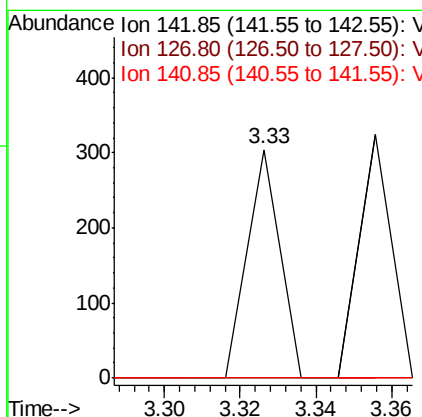
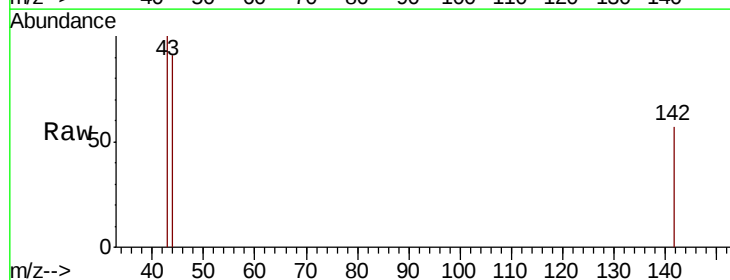
Instrument :
 MSVOA_D
 ClientSampleId :
 TP5-B

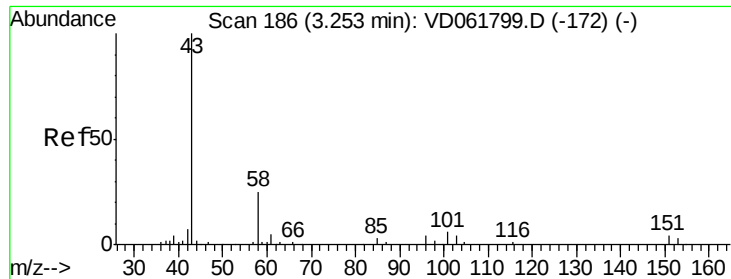
Tgt Ion: 74 Resp: 1865
 Ion Ratio Lower Upper
 74 100
 45 130.1 56.9 170.7



#10
 Methyl Iodide
 Concen: 3.564 ug/l
 RT: 3.33 min Scan# 193
 Delta R.T. 0.02 min
 Lab File: VD061879.D
 Acq: 18 Apr 2019 17:32

Tgt Ion: 142 Resp: 180
 Ion Ratio Lower Upper
 142 100
 127 0.0 38.8 58.2#
 141 0.0 11.4 17.0#





#16

Acetone

Concen: 73.167 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061879.D

Acq: 18 Apr 2019 17:32

Instrument :

MSVOA_D

ClientSampled :

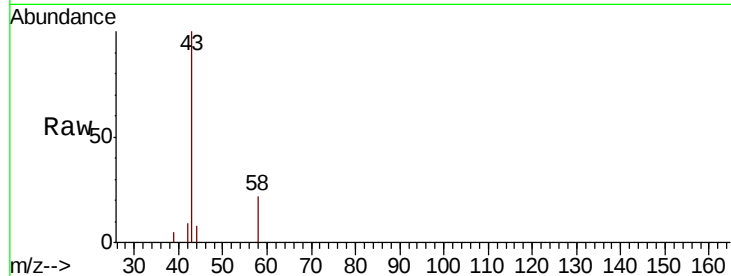
TP5-B

Tgt Ion: 43 Resp: 28903

Ion Ratio Lower Upper

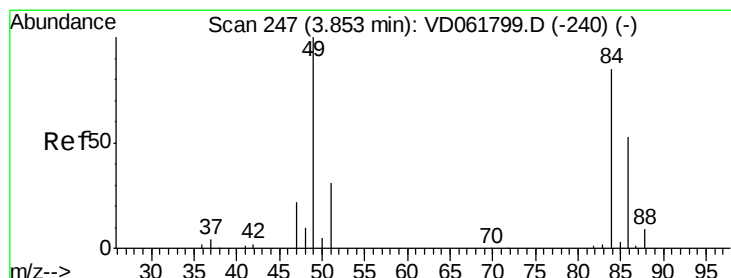
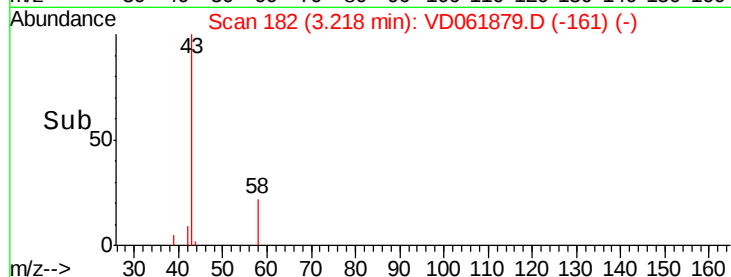
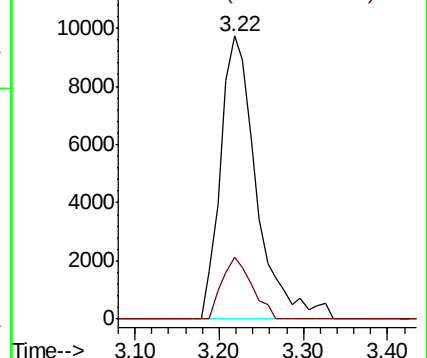
43 100

58 21.9 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 10.312 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061879.D

Acq: 18 Apr 2019 17:32

Tgt Ion: 84 Resp: 27397

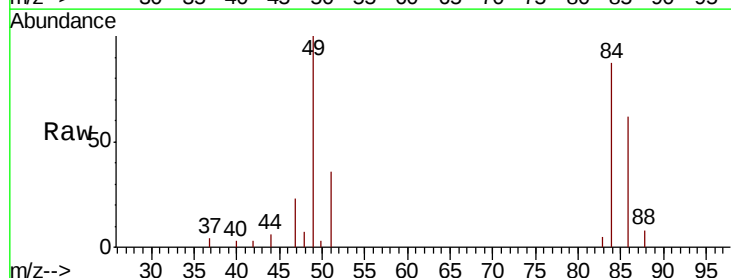
Ion Ratio Lower Upper

84 100

49 114.9 94.0 141.0

51 41.5 29.0 43.4

86 71.0 49.8 74.6

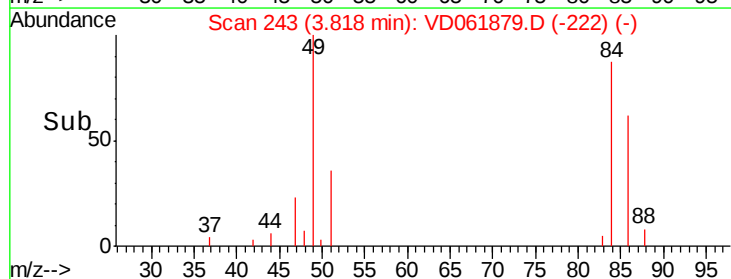
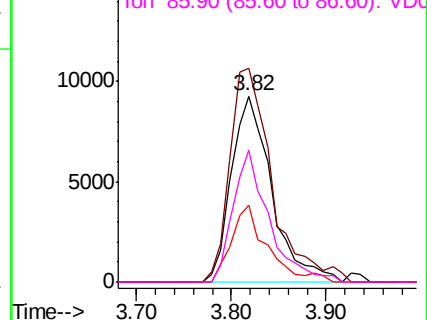


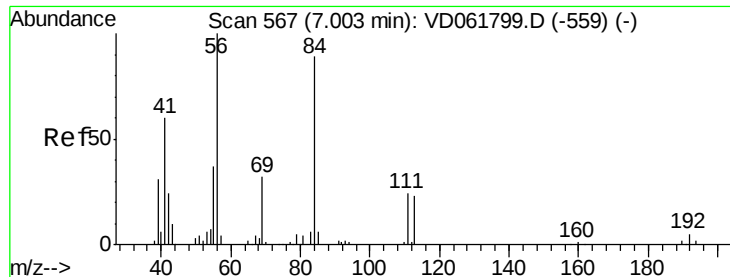
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

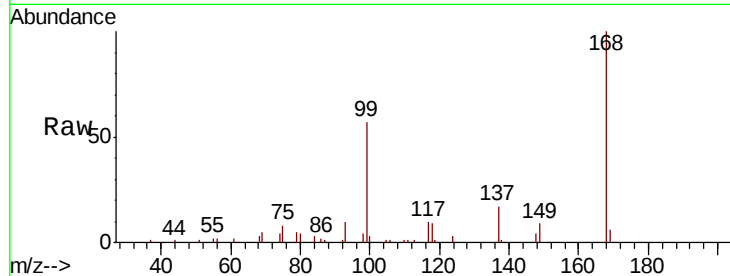




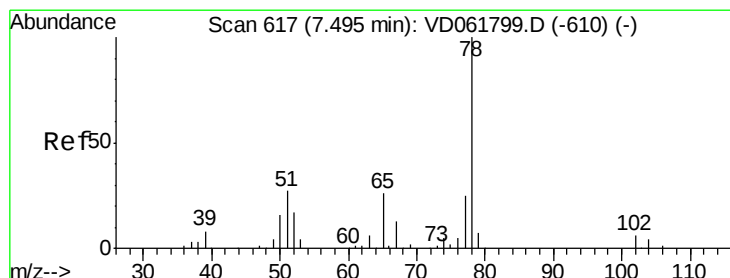
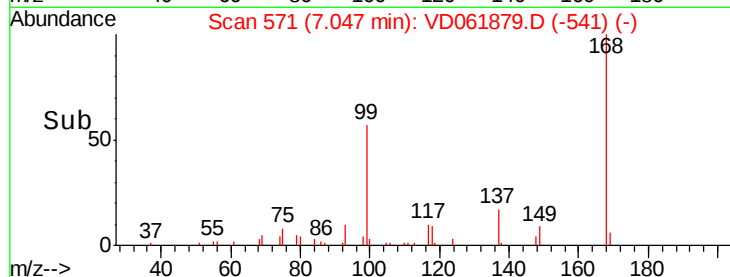
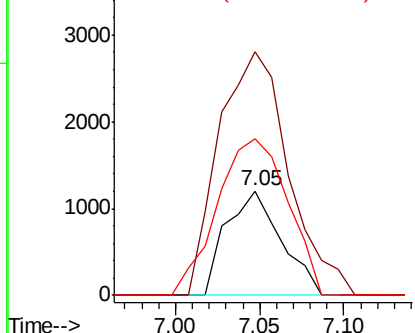
#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061879.D
Acq: 18 Apr 2019 17:32

Instrument :
MSVOA_D
ClientSampleID :
TP5-B

Tgt Ion: 56 Resp: 2709
Ion Ratio Lower Upper
56 100
69 232.8 25.8 38.6#
84 149.2 72.2 108.4#

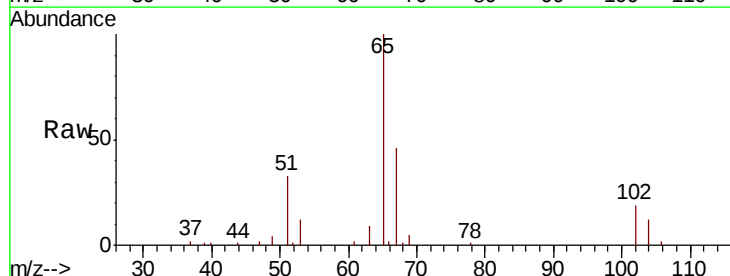


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

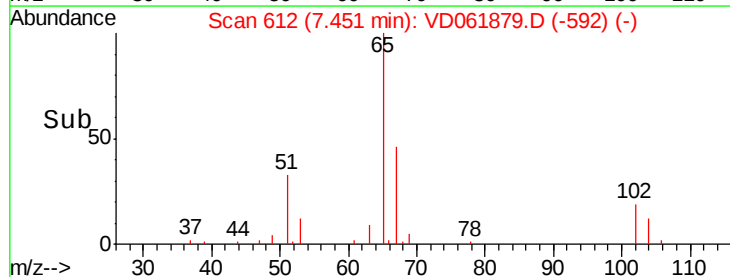
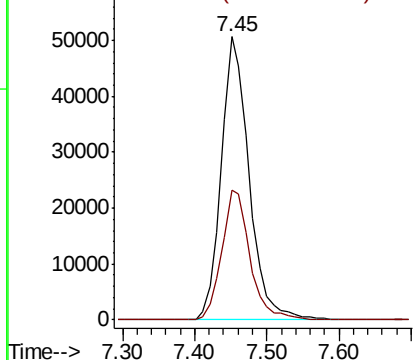


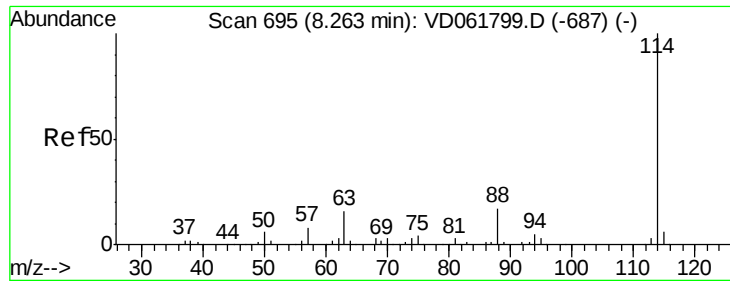
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061879.D
Acq: 18 Apr 2019 17:32

Tgt Ion: 65 Resp: 134680
Ion Ratio Lower Upper
65 100
67 45.7 0.0 98.0



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

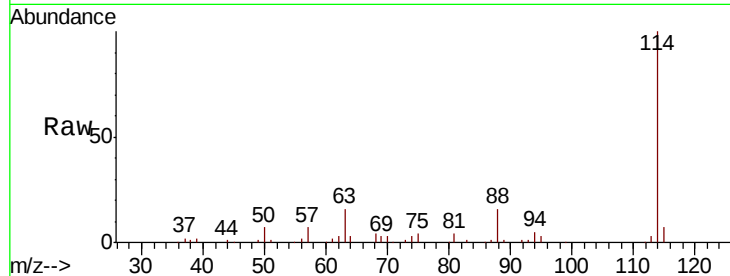




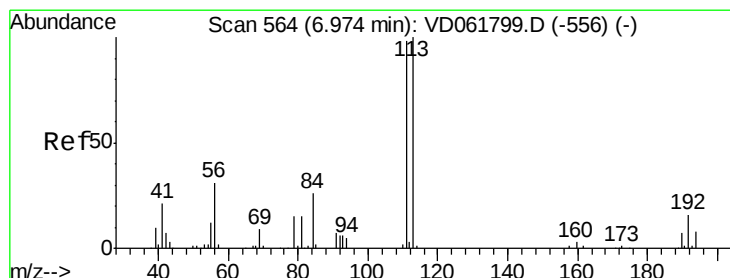
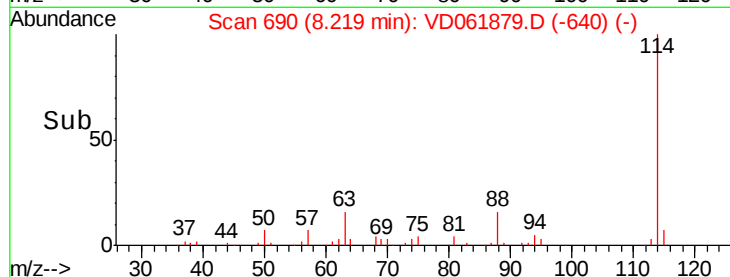
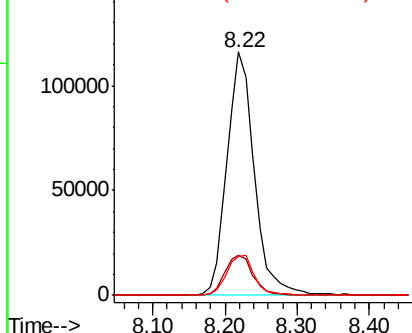
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061879.D
 Acq: 18 Apr 2019 17:32

Instrument :
 MSVOA_D
 ClientSampleId :
 TP5-B

Tgt Ion:114 Resp: 306374
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 32.4
 88 15.8 0.0 33.6

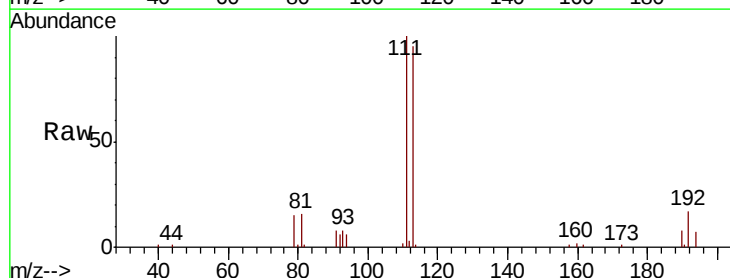


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

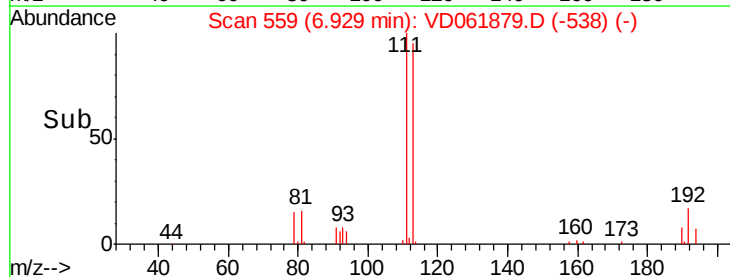
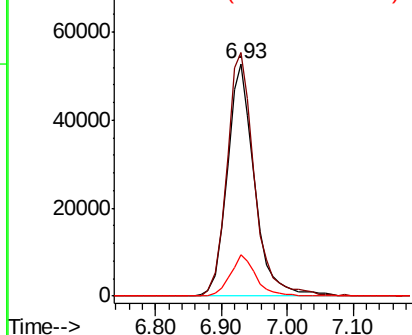


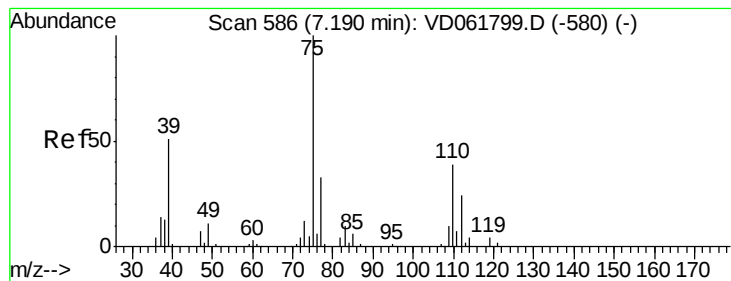
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD061879.D
 Acq: 18 Apr 2019 17:32

Tgt Ion:113 Resp: 152222
 Ion Ratio Lower Upper
 113 100
 111 104.9 78.5 117.7
 192 18.0 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: 5.490 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061879.D

Acq: 18 Apr 2019 17:32

Instrument :

MSVOA_D

ClientSampleId :

TP5-B

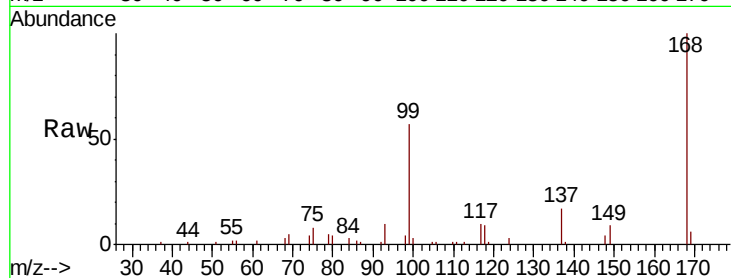
Tgt Ion: 75 Resp: 13745

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.1#

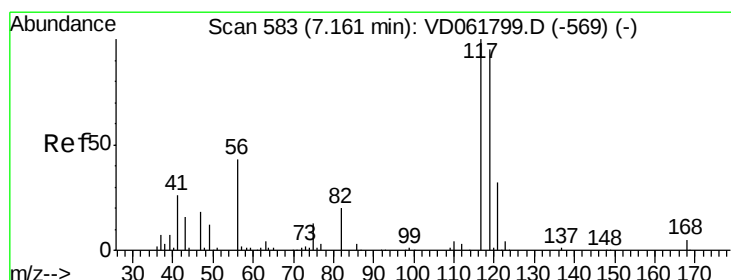
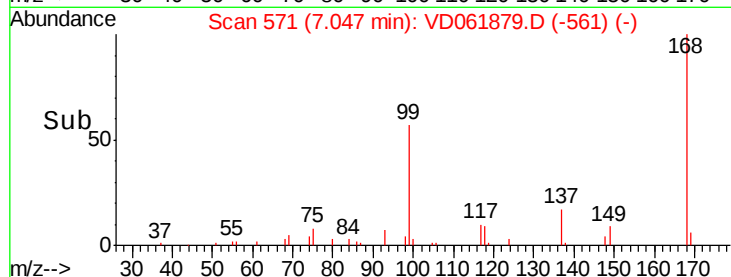
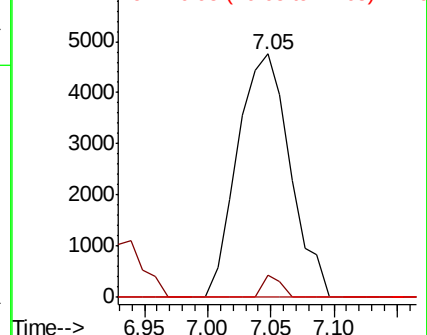
77 0.0 25.6 38.4#



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: 5.724 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD061879.D

Acq: 18 Apr 2019 17:32

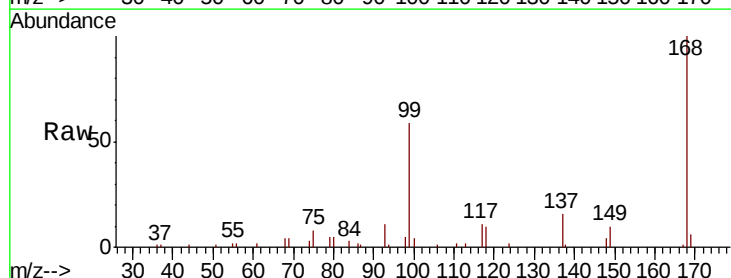
Tgt Ion: 117 Resp: 18095

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

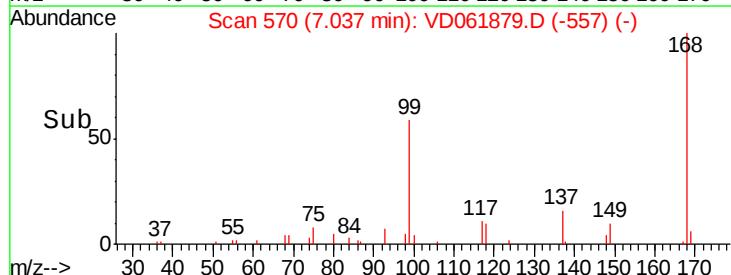
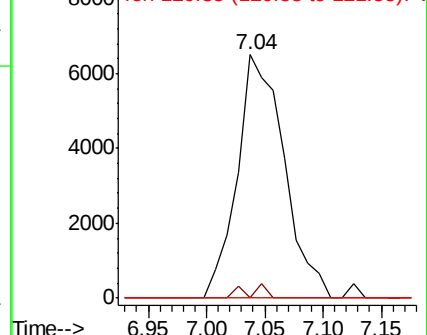
121 0.0 25.9 38.9#

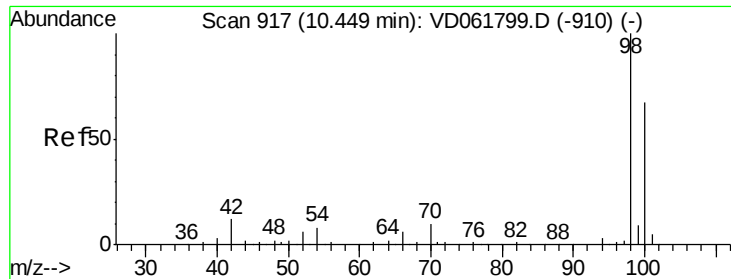


Abundance Ion 116.85 (116.55 to 117.55): V

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. 0.01 min

Lab File: VD061879.D

Acq: 18 Apr 2019 17:32

Instrument :

MSVOA_D

ClientSampleId :

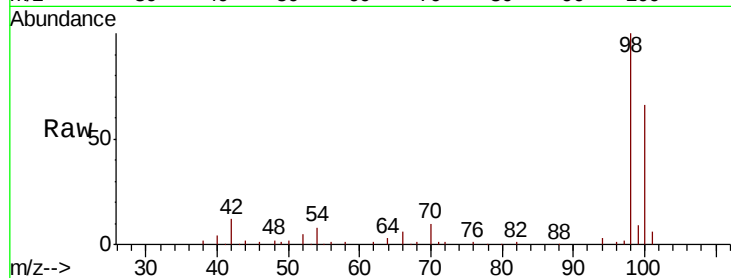
TP5-B

Tgt Ion: 98 Resp: 331574

Ion Ratio Lower Upper

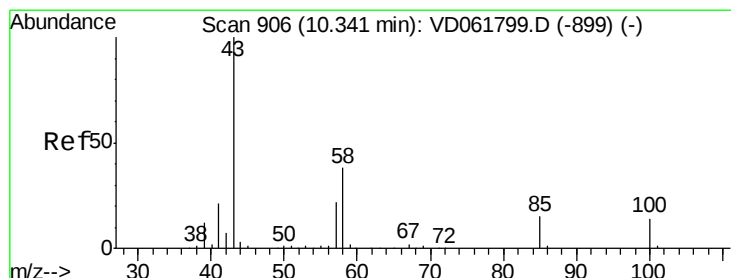
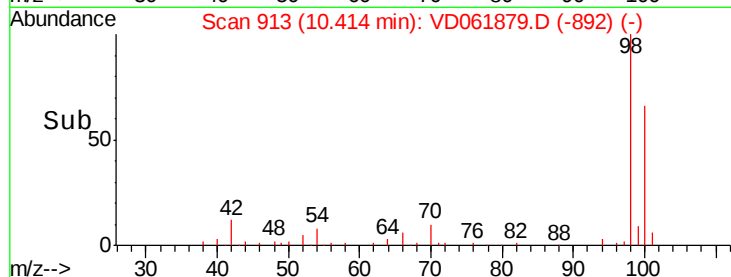
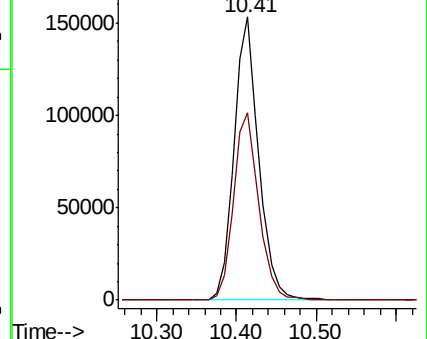
98 100

100 66.2 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: 1.518 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD061879.D

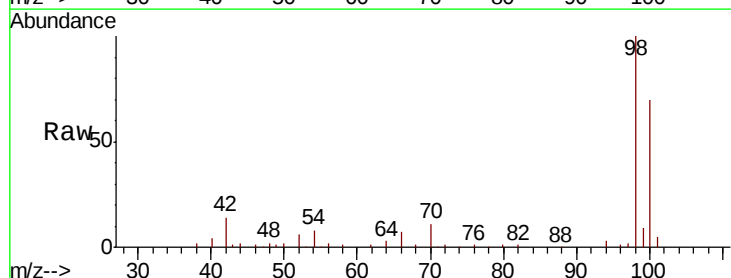
Acq: 18 Apr 2019 17:32

Tgt Ion: 43 Resp: 1400

Ion Ratio Lower Upper

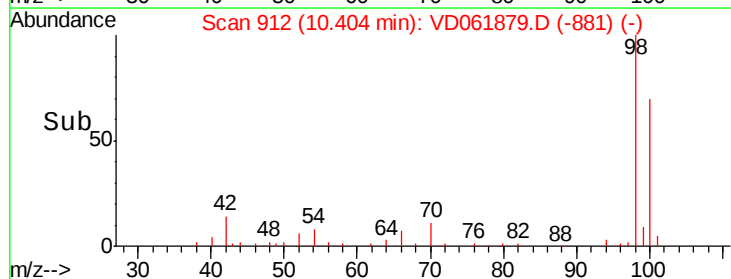
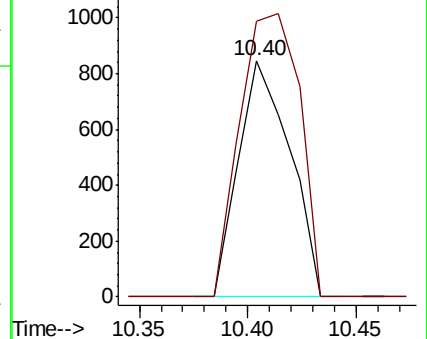
43 100

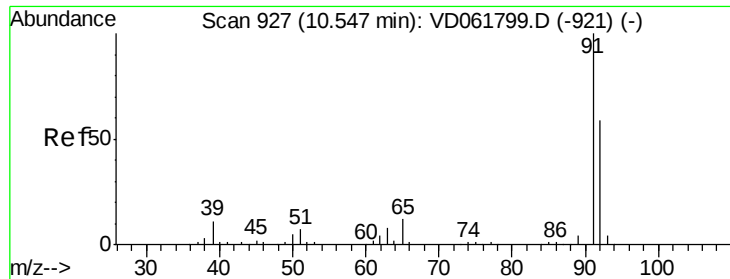
58 116.6 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 2.235 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061879.D

Acq: 18 Apr 2019 17:32

Instrument :

MSVOA_D

ClientSampleId :

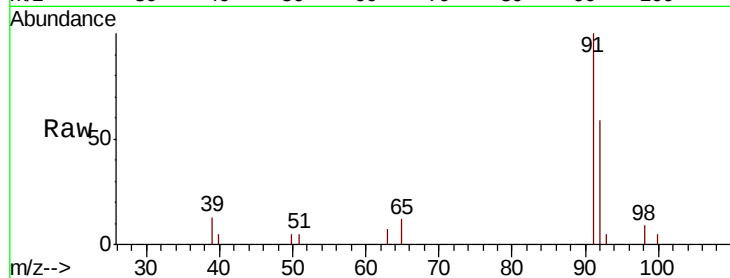
TP5-B

Tgt Ion: 92 Resp: 8609

Ion Ratio Lower Upper

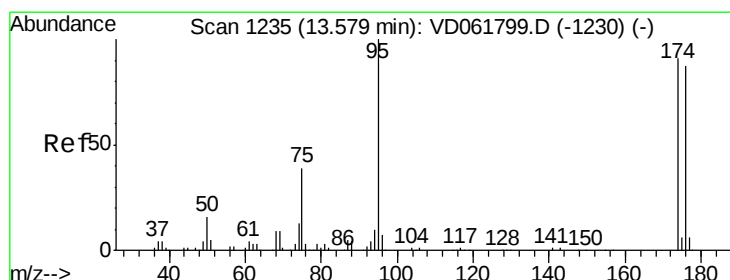
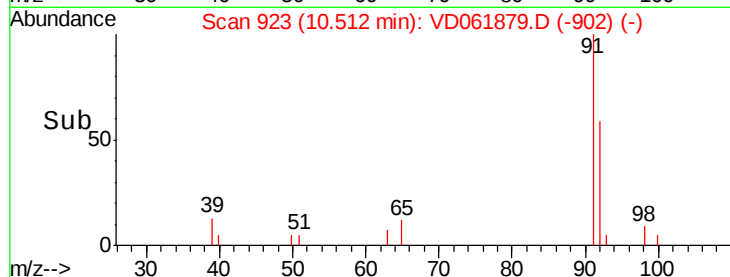
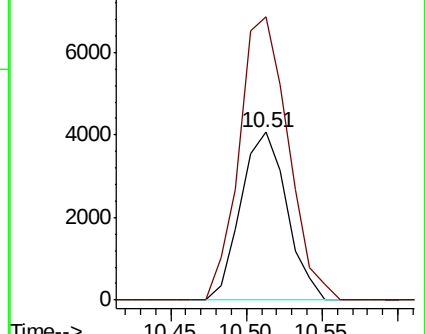
92 100

91 168.7 136.6 204.8



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: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061879.D

Acq: 18 Apr 2019 17:32

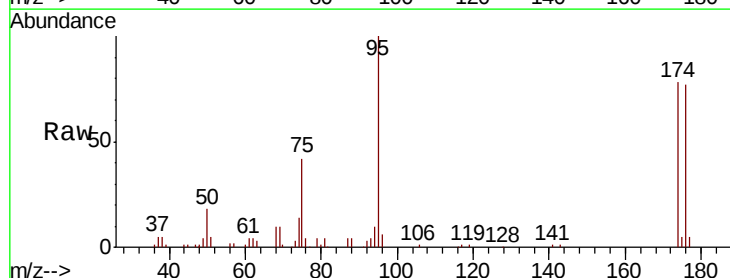
Tgt Ion: 95 Resp: 119395

Ion Ratio Lower Upper

95 100

174 78.2 0.0 181.8

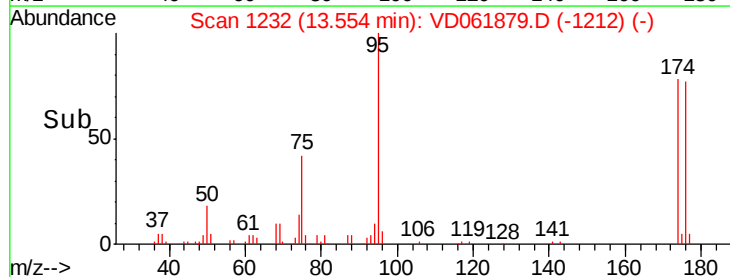
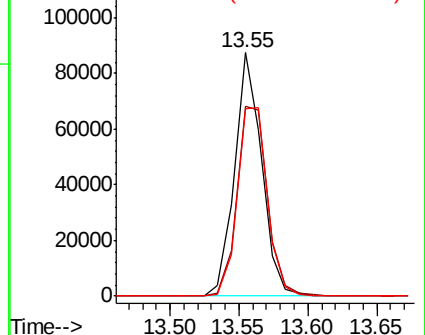
176 76.9 0.0 174.4

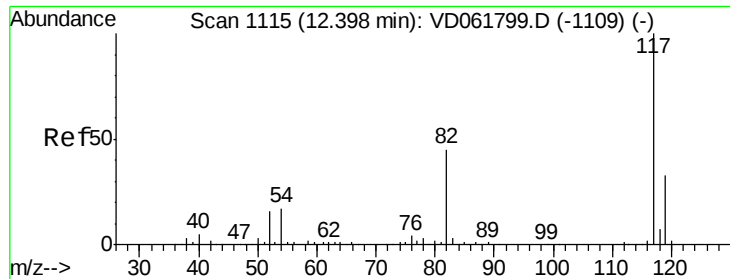


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

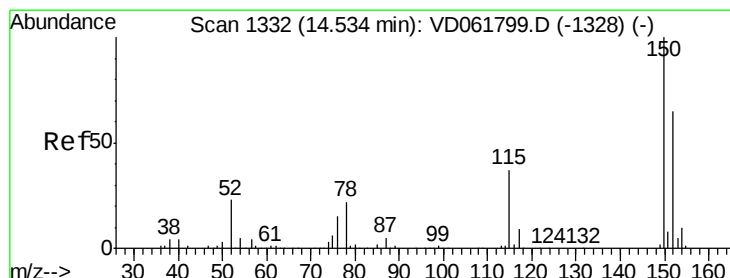
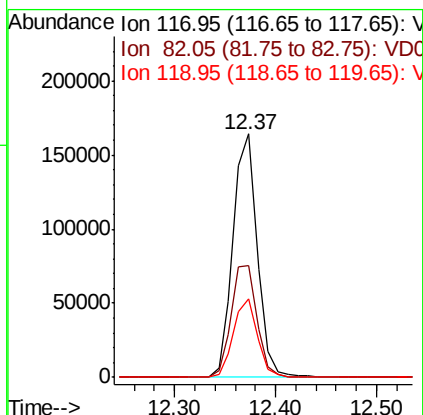
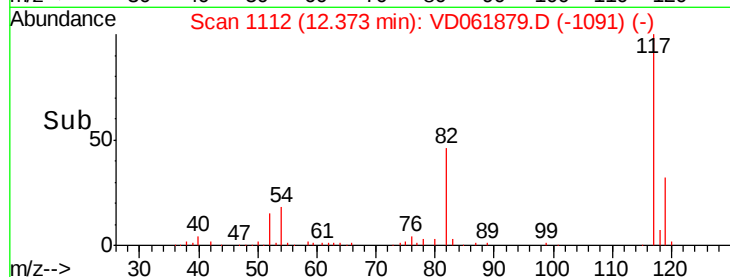
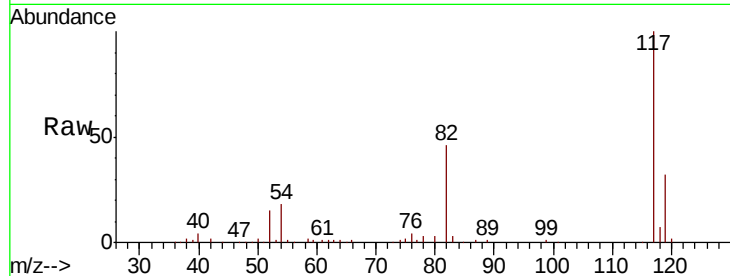




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061879.D
Acq: 18 Apr 2019 17:32

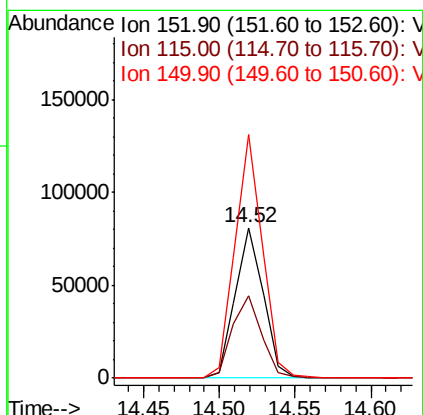
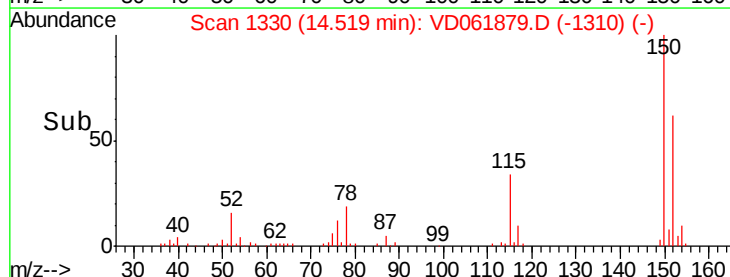
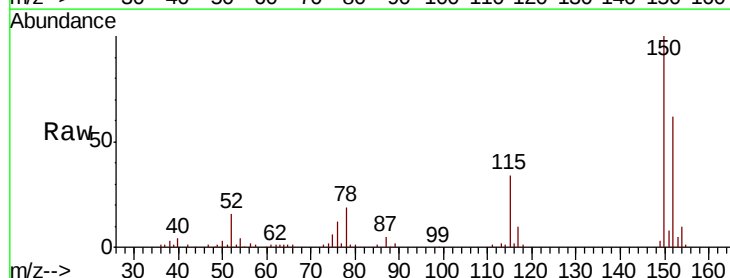
Instrument :
MSVOA_D
ClientSampled :
TP5-B

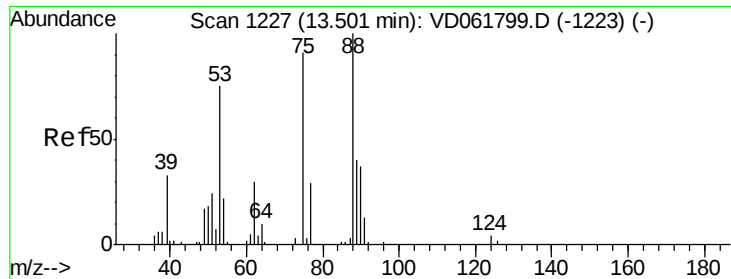
Tgt Ion:117 Resp: 273547
Ion Ratio Lower Upper
117 100
82 46.1 36.2 54.2
119 32.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061879.D
Acq: 18 Apr 2019 17:32

Tgt Ion:152 Resp: 104165
Ion Ratio Lower Upper
152 100
115 54.6 30.9 92.7
150 161.5 0.0 314.8





#81

trans-1,4-Dichloro-2-butene

Concen: 104.712 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061879.D

Acq: 18 Apr 2019 17:32

Instrument :

MSVOA_D

ClientSampleId :

TP5-B

Tgt Ion: 75 Resp: 48155

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

