

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
 Data File : VD061871.D
 Acq On : 18 Apr 2019 13:45
 Operator : VA/AP
 Sample : K2397-10
 Misc : 3.87g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-S2

Quant Time: Apr 18 14:36:15 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	7.06	168	349235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	498849	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	300744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	66433	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	175442	59.94	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	6.93	113	253547	67.27	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.41	98	481742	53.95	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	13.55	95	88666	24.50	ug/l	0.00
Spiked Amount						

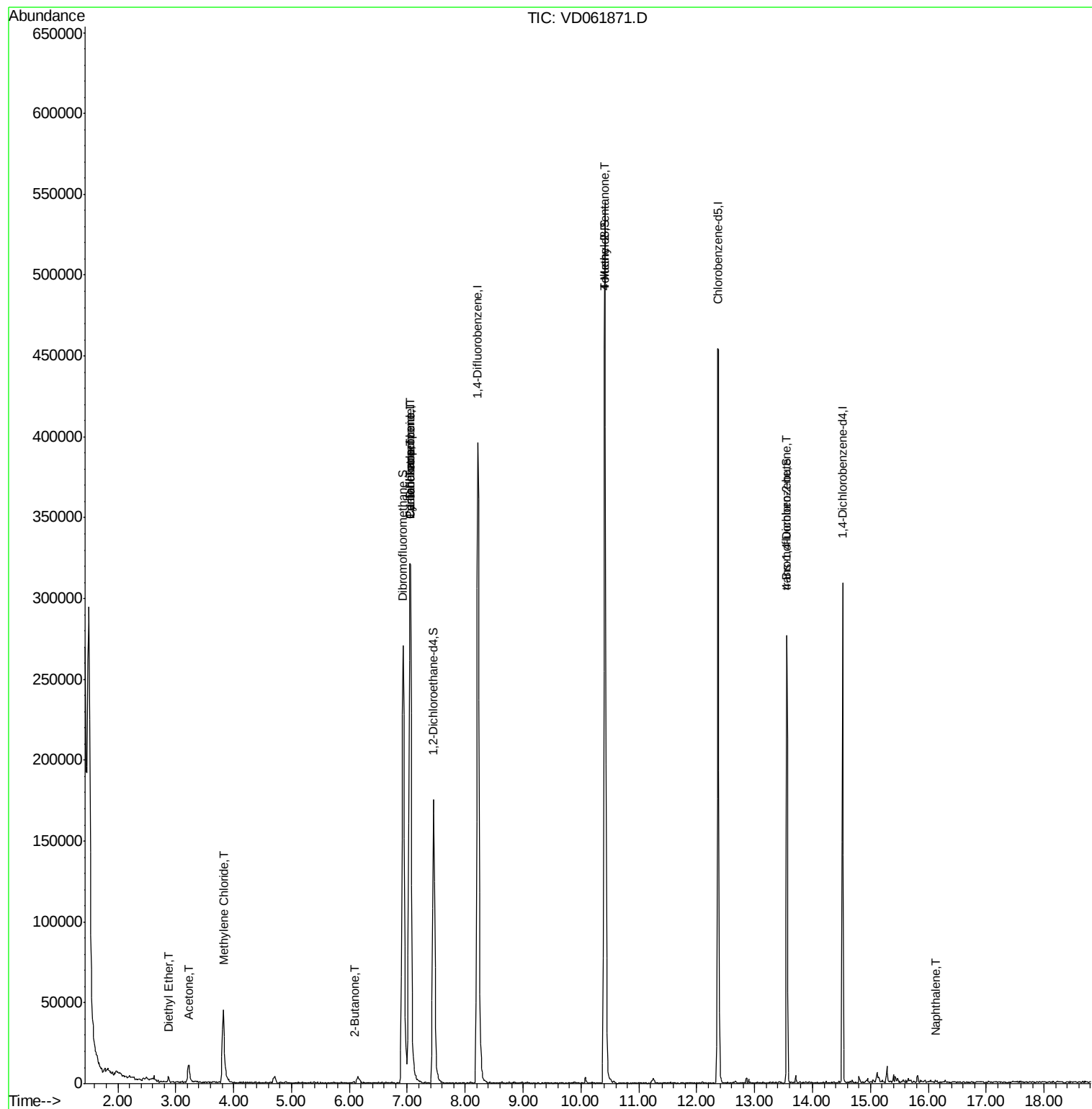
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.12	94	1073	Below Cal	#	12
8) Diethyl Ether	2.87	74	1155	1.008	ug/l	91
16) Acetone	3.22	43	23131	32.065	ug/l #	85
20) Methylene Chloride	3.83	84	34084	5.415	ug/l	96
25) 2-Butanone	6.08	43	1220	1.486	ug/l #	56
31) Cyclohexane	7.06	56	5634	1.271	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	25205	6.183	ug/l #	47
38) Carbon Tetrachloride	7.06	117	33041	6.419	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	1679	1.118	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	34872	118.447	ug/l #	16
95) Naphthalene	16.12	128	1642	1.090	ug/l #	70

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

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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061871.D

Acq: 18 Apr 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

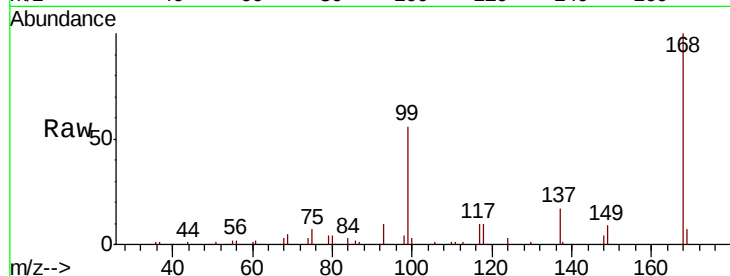
TP-3-S2

Tgt Ion:168 Resp: 349235

Ion Ratio Lower Upper

168 100

99 55.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

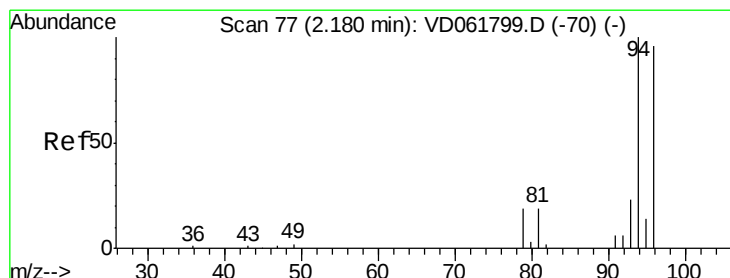
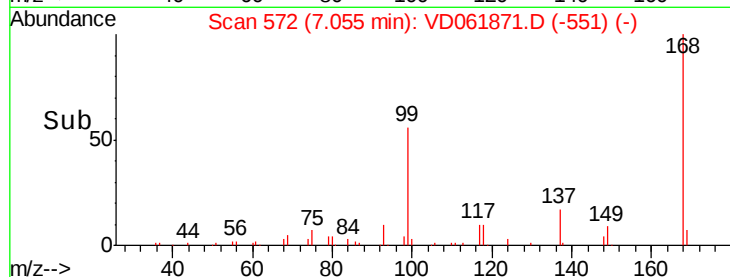
7.06

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.12 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD061871.D

Acq: 18 Apr 2019 13:45

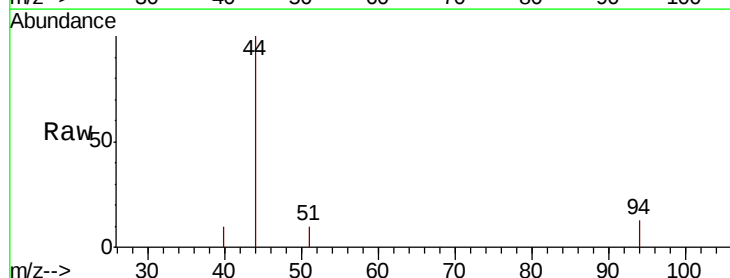
Tgt Ion: 94 Resp: 1073

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

800

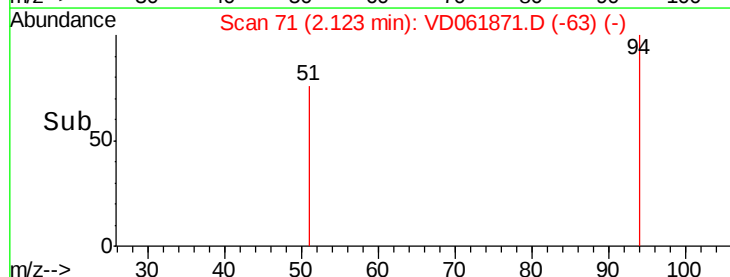
600

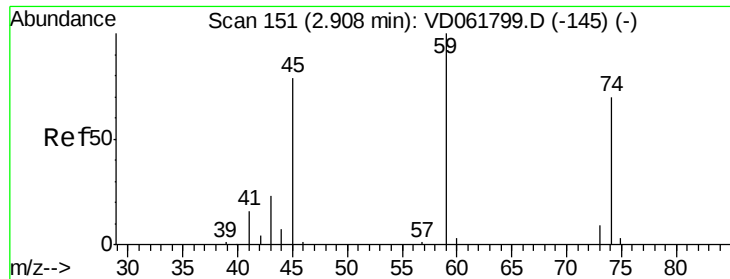
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.008 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD061871.D

Acq: 18 Apr 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

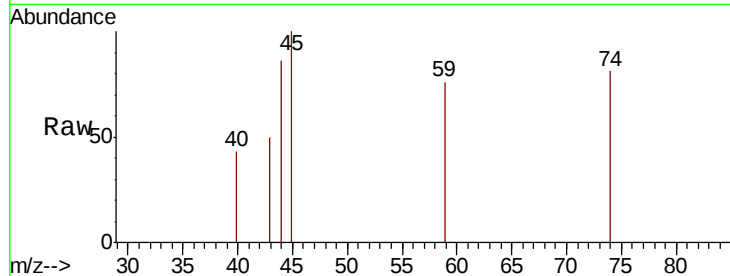
TP-3-S2

Tgt Ion: 74 Resp: 1155

Ion Ratio Lower Upper

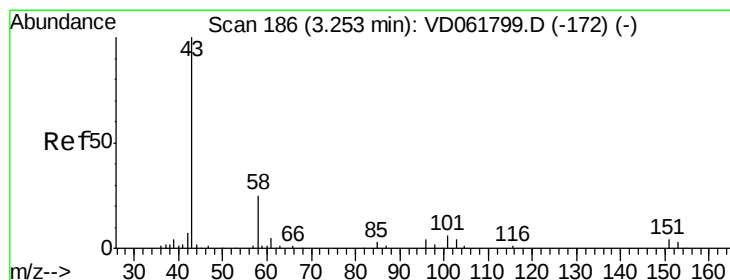
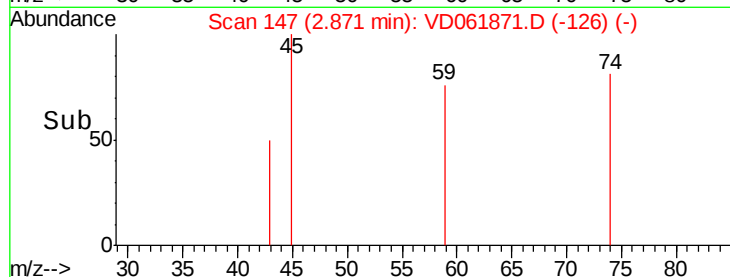
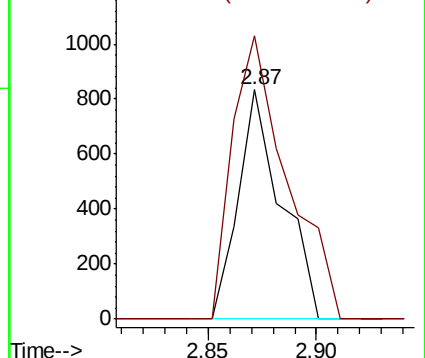
74 100

45 123.4 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: 32.065 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061871.D

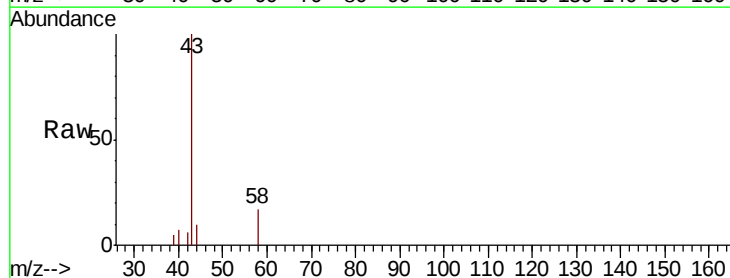
Acq: 18 Apr 2019 13:45

Tgt Ion: 43 Resp: 23131

Ion Ratio Lower Upper

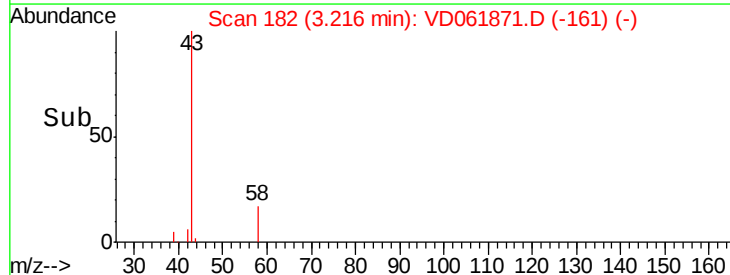
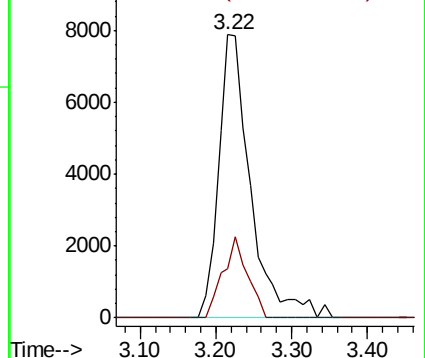
43 100

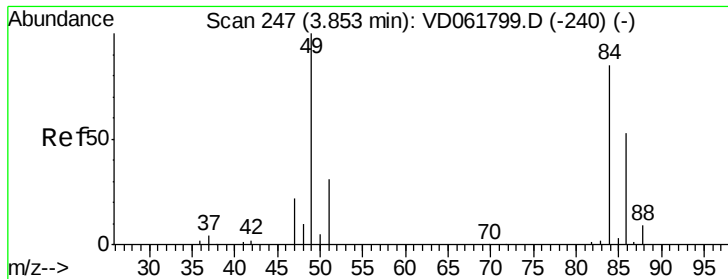
58 17.4 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

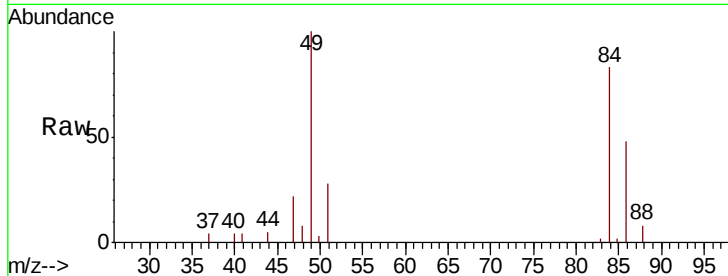




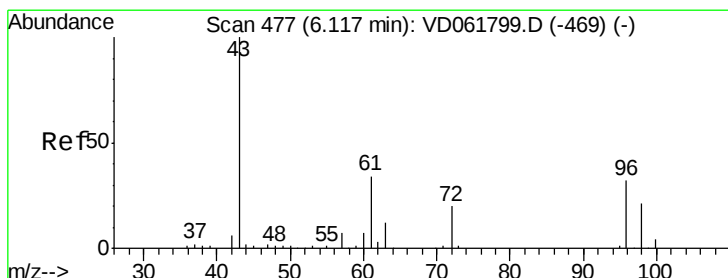
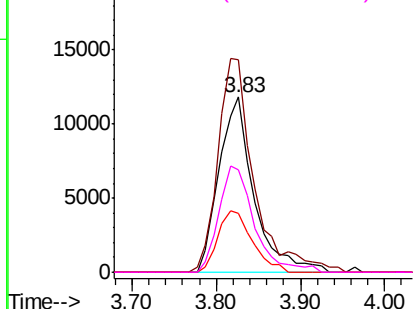
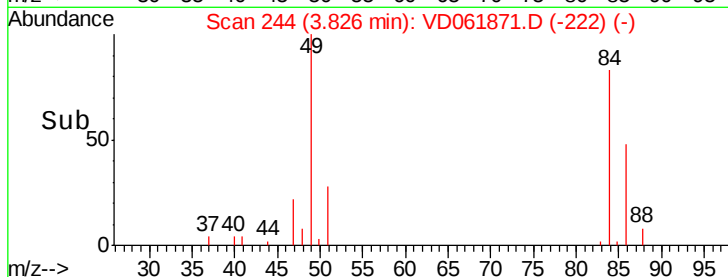
#20
Methylene Chloride
Concen: 5.415 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061871.D
Acq: 18 Apr 2019 13:45

Instrument :
MSVOA_D
ClientSampleId :
TP-3-S2

Tgt Ion: 84 Resp: 34084
Ion Ratio Lower Upper
84 100
49 121.0 94.0 141.0
51 33.7 29.0 43.4
86 58.2 49.8 74.6

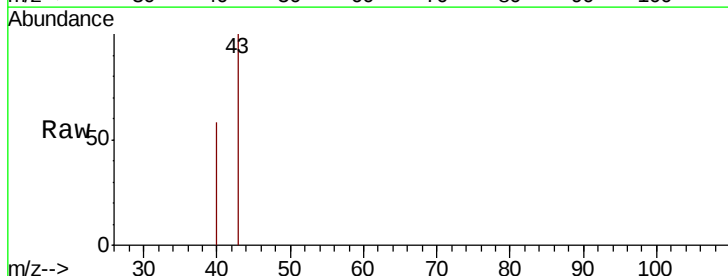


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

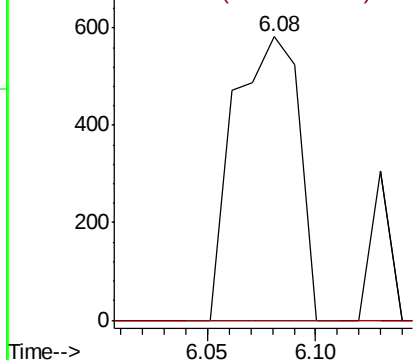
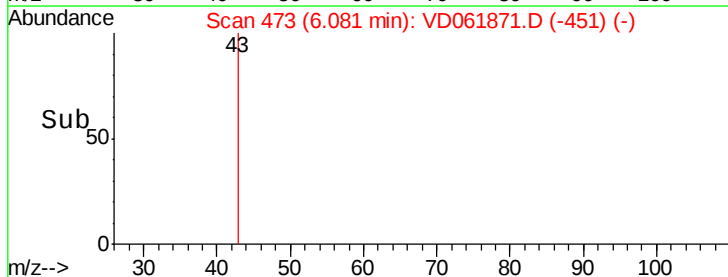


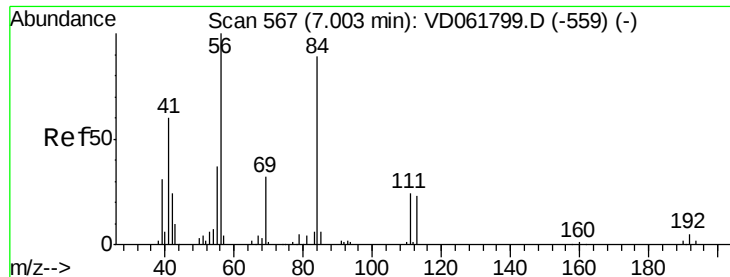
#25
2-Butanone
Concen: 1.486 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD061871.D
Acq: 18 Apr 2019 13:45

Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

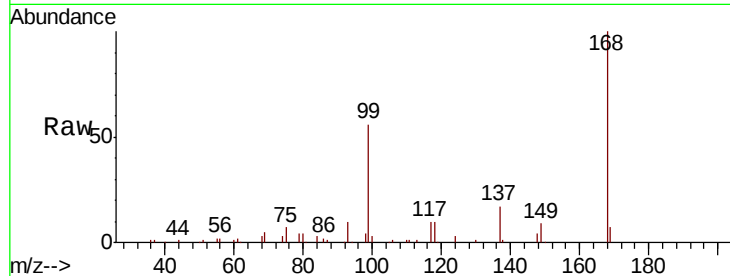




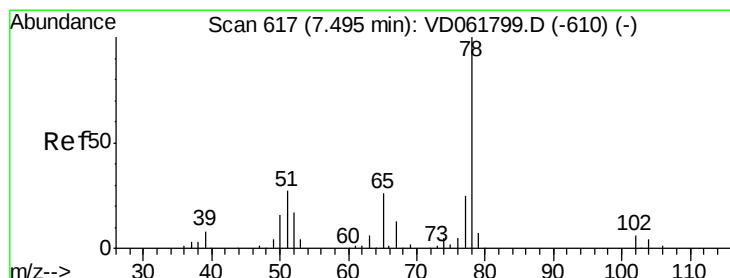
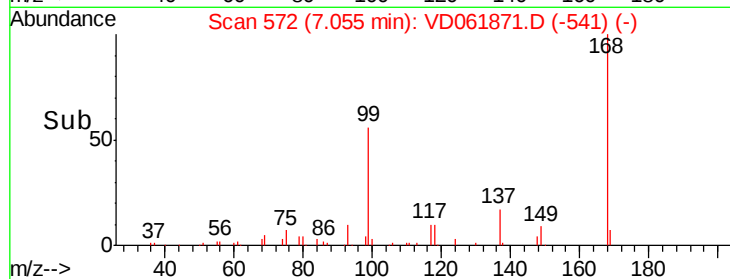
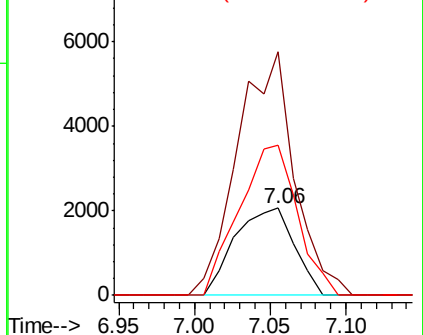
#31
Cyclohexane
Concen: 1.271 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD061871.D
Acq: 18 Apr 2019 13:45

Instrument :
MSVOA_D
ClientSampleId :
TP-3-S2

Tgt Ion: 56 Resp: 5634
Ion Ratio Lower Upper
56 100
69 278.7 25.8 38.6#
84 172.6 72.2 108.4#

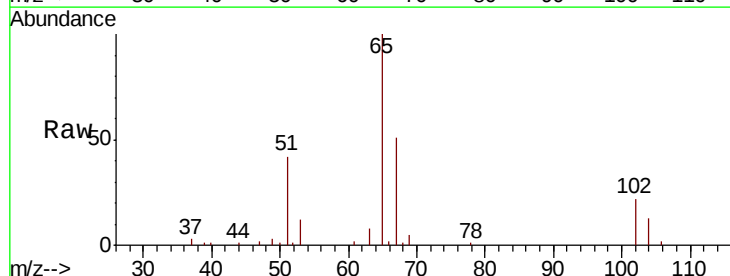


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

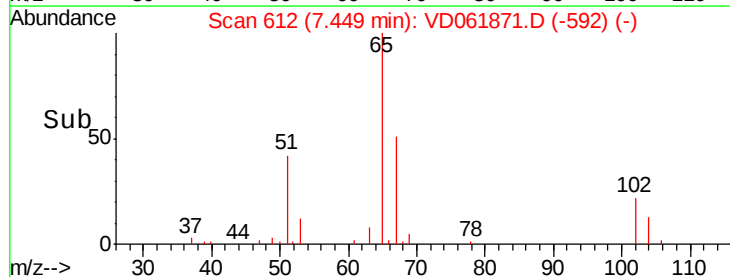
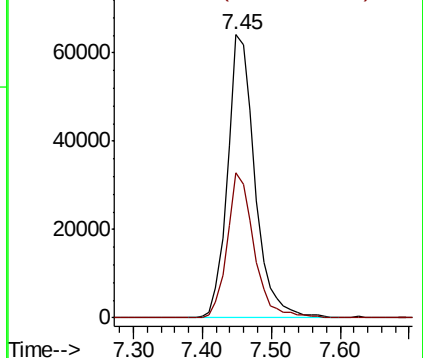


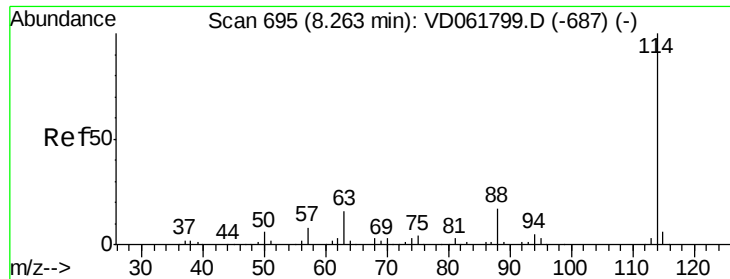
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061871.D
Acq: 18 Apr 2019 13:45

Tgt Ion: 65 Resp: 175442
Ion Ratio Lower Upper
65 100
67 51.1 0.0 98.0



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

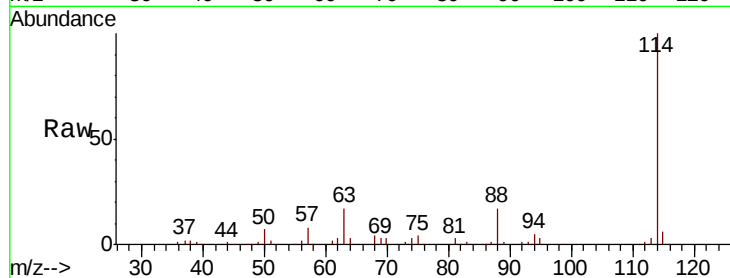




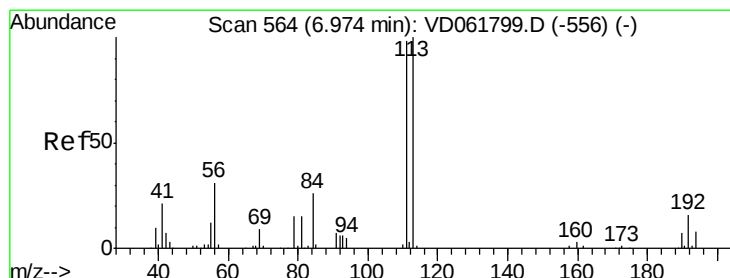
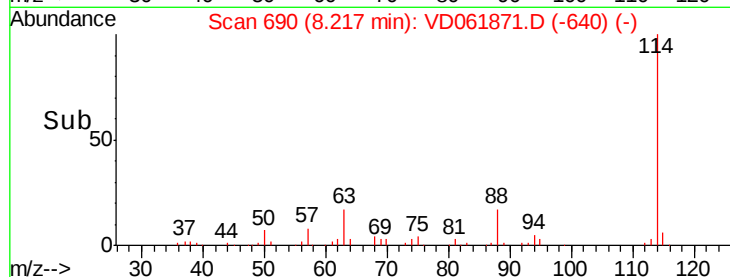
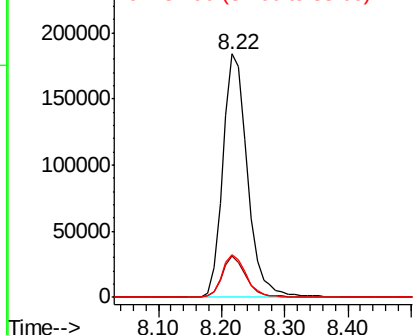
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061871.D
 Acq: 18 Apr 2019 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-S2

Tgt Ion:114 Resp: 498849
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 32.4
 88 17.4 0.0 33.6

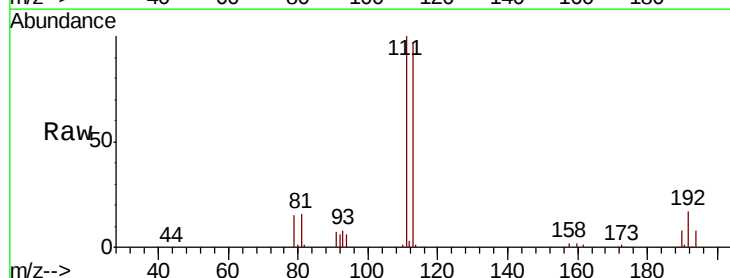


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

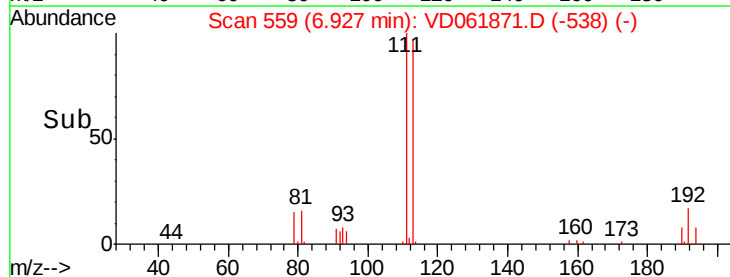
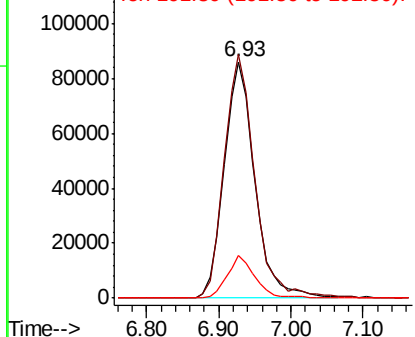


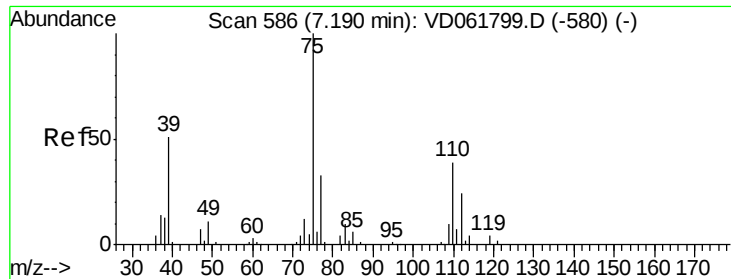
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061871.D
 Acq: 18 Apr 2019 13:45

Tgt Ion:113 Resp: 253547
 Ion Ratio Lower Upper
 113 100
 111 103.0 78.5 117.7
 192 17.9 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: 6.183 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061871.D

Acq: 18 Apr 2019 13:45

Instrument :

MSVOA_D

ClientSampleID :

TP-3-S2

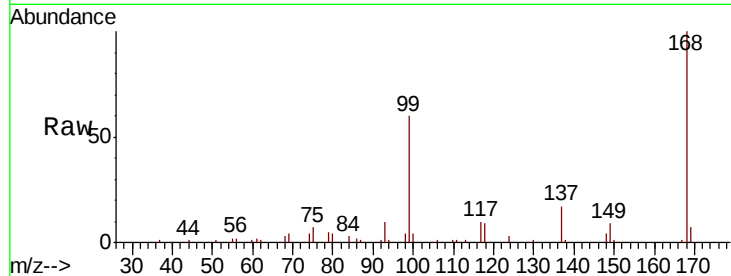
Tgt Ion: 75 Resp: 25205

Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.1#

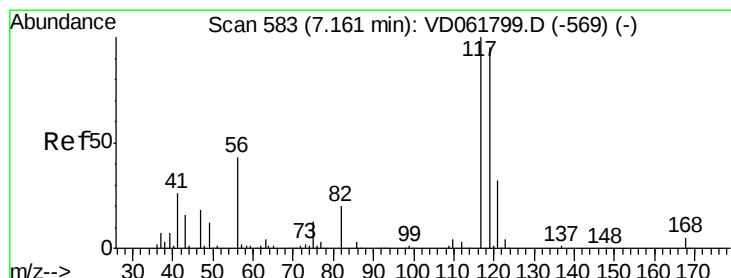
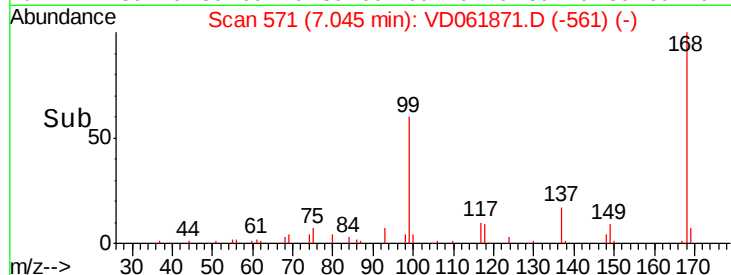
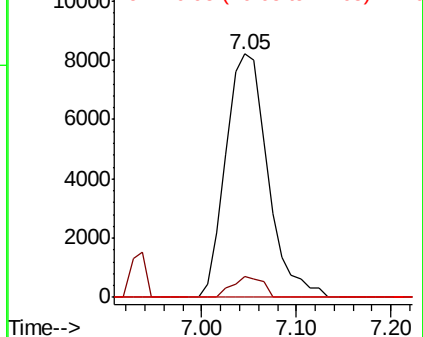
77 0.0 25.6 38.4#



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: 6.419 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061871.D

Acq: 18 Apr 2019 13:45

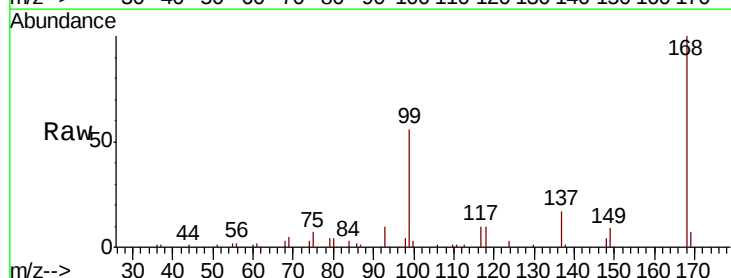
Tgt Ion: 117 Resp: 33041

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

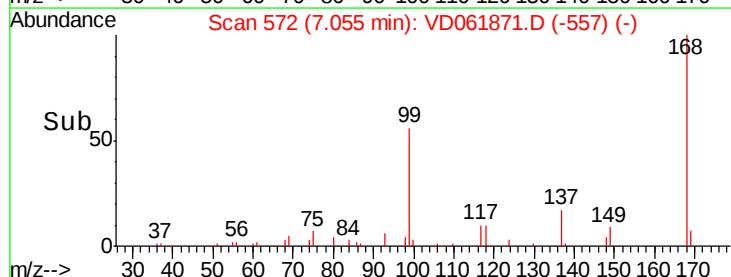
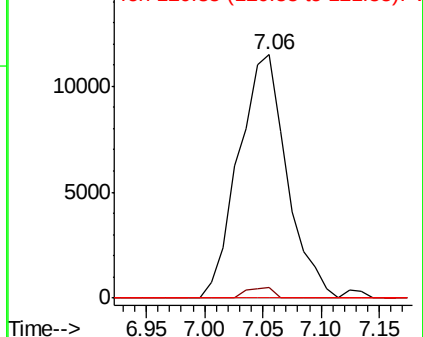
121 0.0 25.9 38.9#

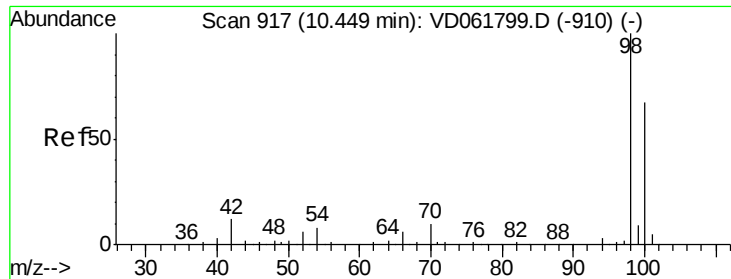


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

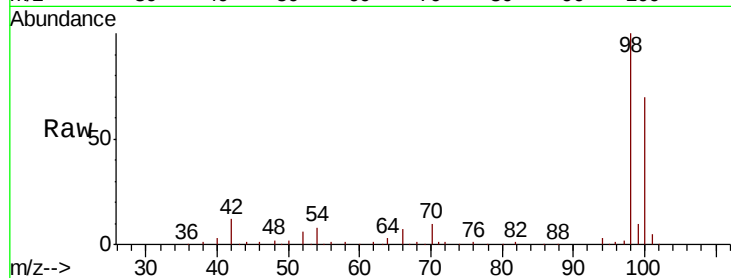




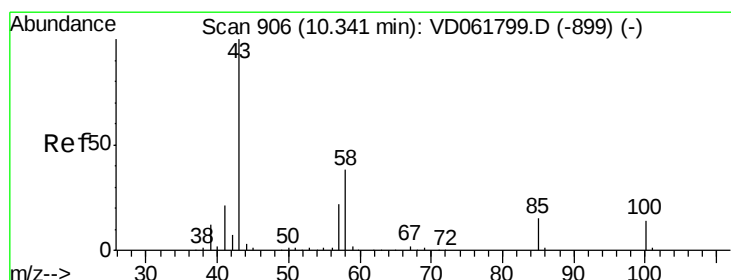
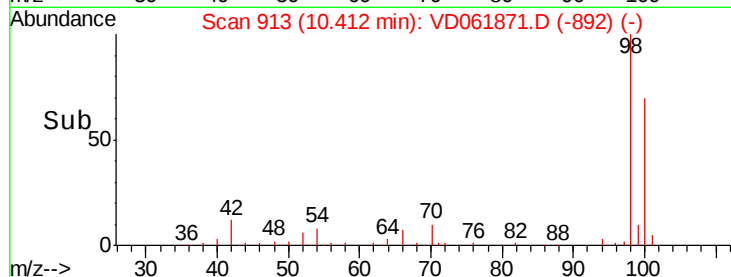
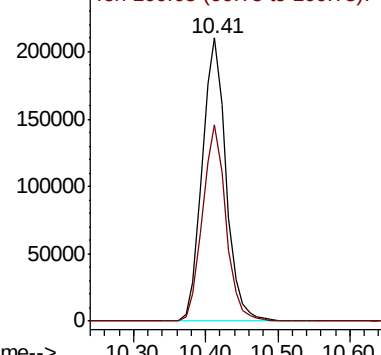
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061871.D
Acq: 18 Apr 2019 13:45

Instrument :
MSVOA_D
ClientSampleId :
TP-3-S2

Tgt Ion: 98 Resp: 481742
Ion Ratio Lower Upper
98 100
100 69.6 53.8 80.8

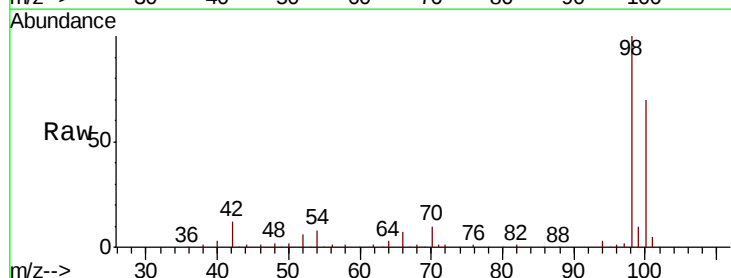


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

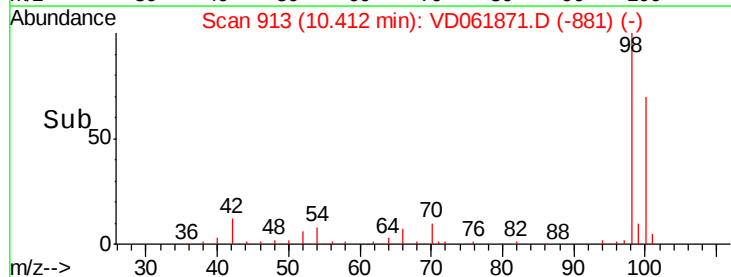
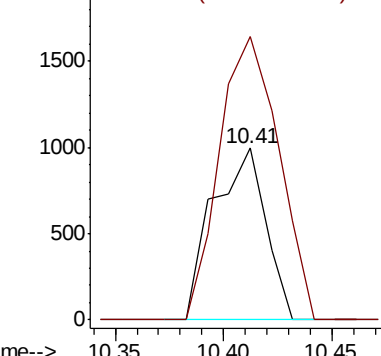


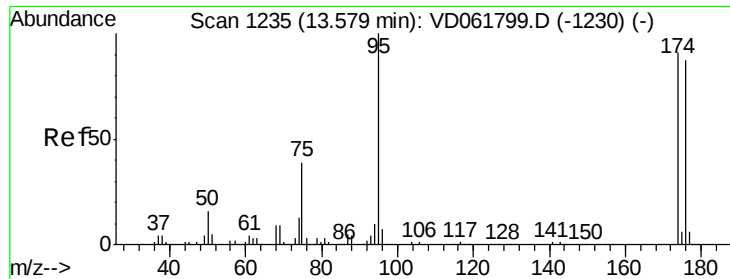
#51
4-Methyl-2-Pentanone
Concen: 1.118 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD061871.D
Acq: 18 Apr 2019 13:45

Tgt Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
58 164.7 30.4 45.6#



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD061871.D

Acq: 18 Apr 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

TP-3-S2

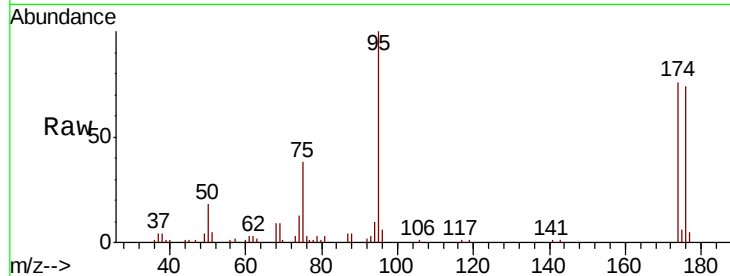
Tgt Ion: 95 Resp: 88666

Ion Ratio Lower Upper

95 100

174 75.8 0.0 181.8

176 74.4 0.0 174.4

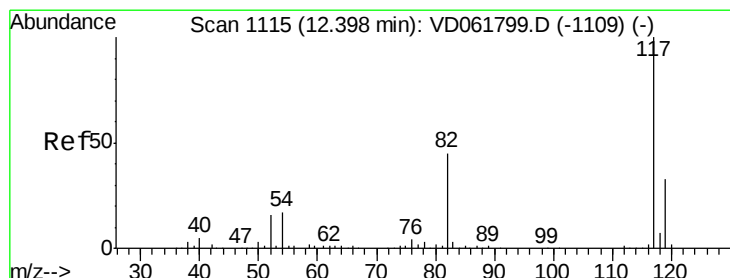
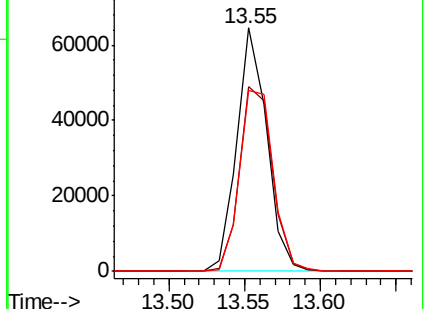
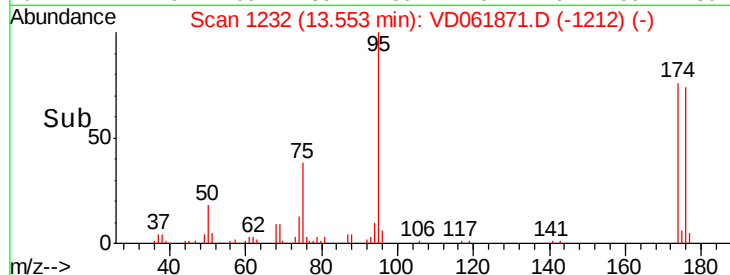


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD061871.D

Acq: 18 Apr 2019 13:45

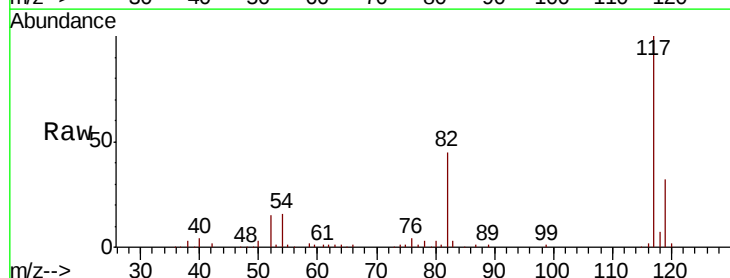
Tgt Ion: 117 Resp: 300744

Ion Ratio Lower Upper

117 100

82 44.7 36.2 54.2

119 31.6 26.2 39.4

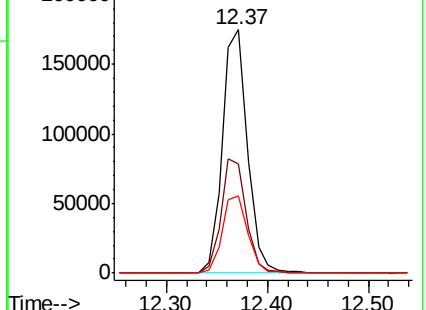
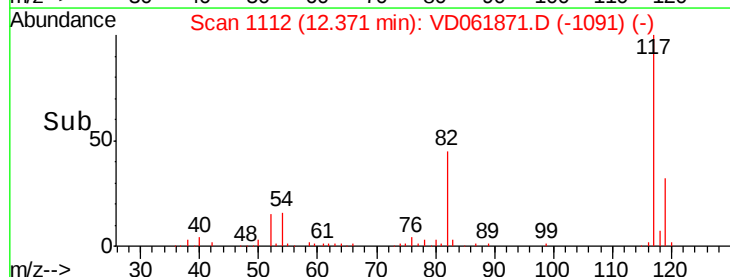


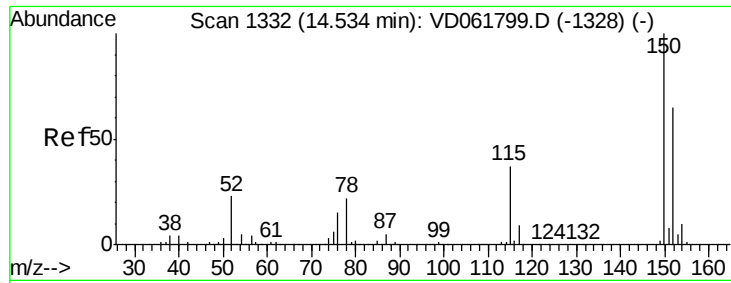
Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061871.D

Acq: 18 Apr 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

TP-3-S2

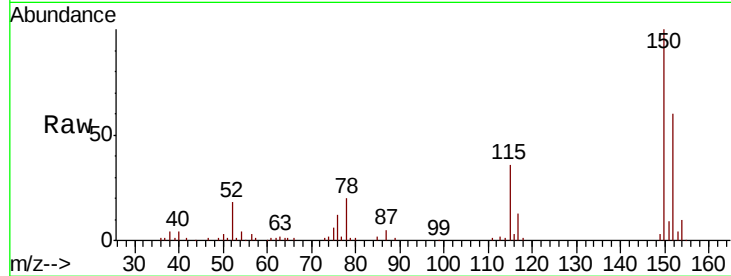
Tgt Ion: 152 Resp: 66433

Ion Ratio Lower Upper

152 100

115 59.6 30.9 92.7

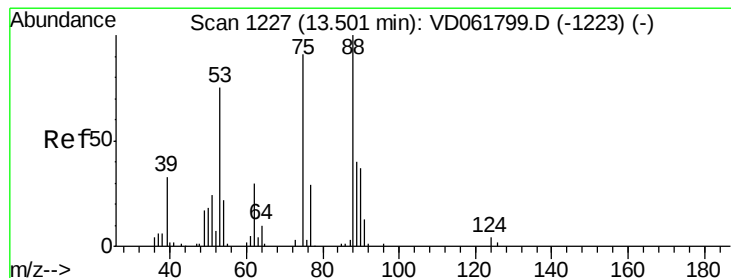
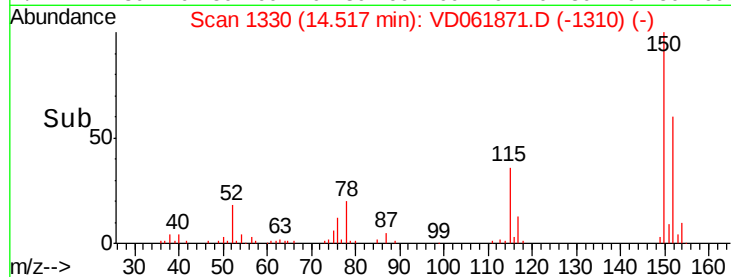
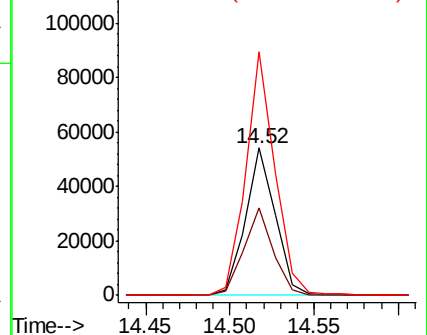
150 165.5 0.0 314.8



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: 118.447 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061871.D

Acq: 18 Apr 2019 13:45

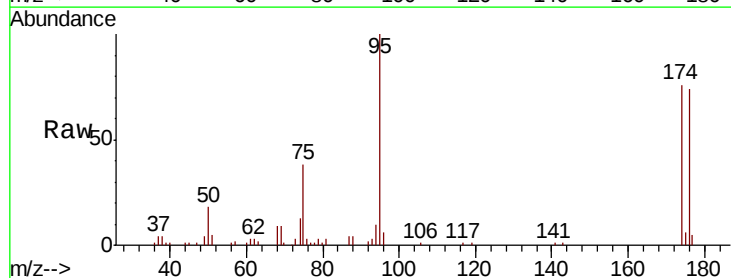
Tgt Ion: 75 Resp: 34872

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

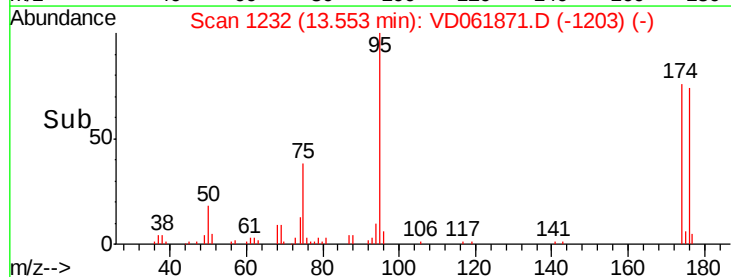
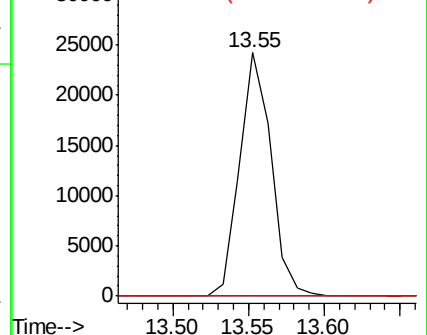
89 0.0 35.0 52.6#

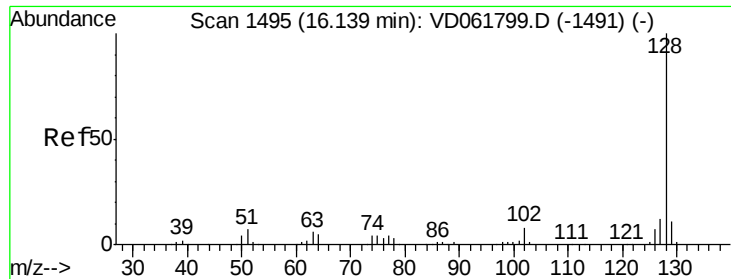


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

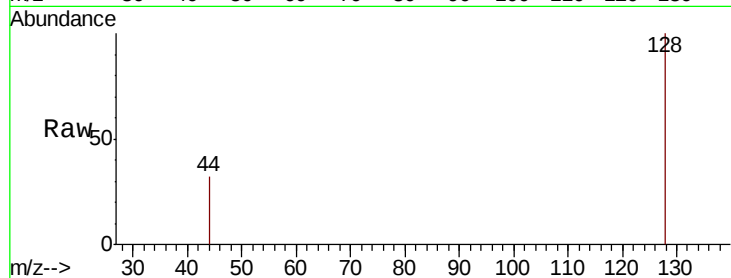




#95
Naphthalene
Concen: 1.090 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061871.D
Acq: 18 Apr 2019 13:45

Instrument :
MSVOA_D
ClientSampleId :
TP-3-S2

Tgt Ion:128 Resp: 1642
Ion Ratio Lower Upper
128 100
127 0.0 9.8 14.8#
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

