

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060502.D
 Acq On : 6 Dec 2018 13:43
 Operator : VA/AP
 Sample : J6195-03
 Misc : 6.06g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 07 03:34:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1398142	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1936063	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1434664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	592392	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	441596	44.56	ug/l	-0.02
Spiked Amount			Recovery	=	89.12%	
35) Dibromofluoromethane	6.33	113	601527	42.30	ug/l	0.00
Spiked Amount			Recovery	=	84.60%	
50) Toluene-d8	9.45	98	1505916	36.59	ug/l	0.00
Spiked Amount			Recovery	=	73.18%	
62) 4-Bromofluorobenzene	12.42	95	503125	34.17	ug/l	-0.02
Spiked Amount			Recovery	=	68.34%	

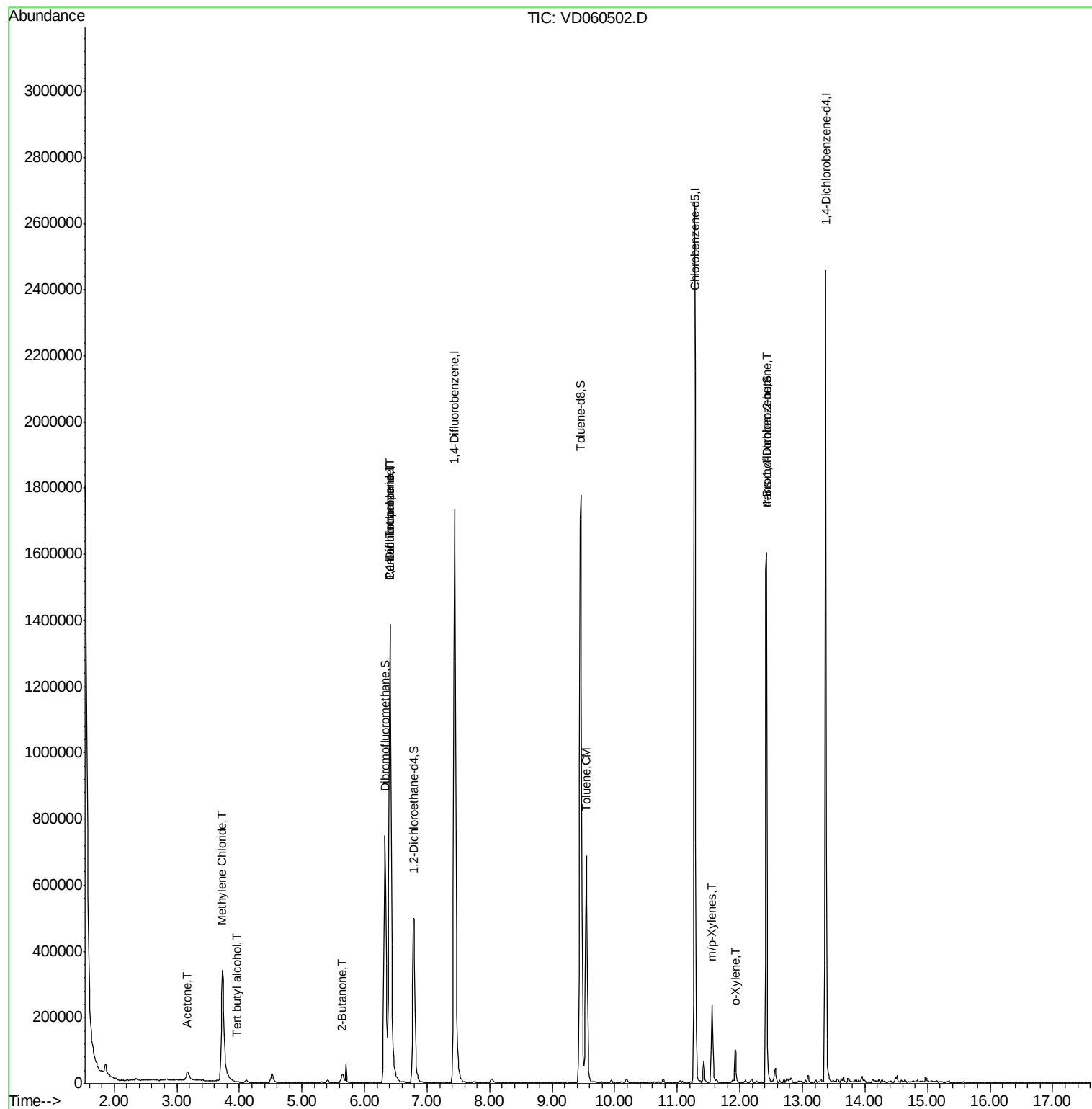
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	377	Below Cal	#	41
11) Tert butyl alcohol	3.96	59	1525	3.788	ug/l #	73
16) Acetone	3.17	43	63230	39.805	ug/l	99
20) Methylene Chloride	3.73	84	241247	13.253	ug/l	93
25) 2-Butanone	5.63	43	13695	4.382	ug/l #	84
31) Cyclohexane	6.40	56	30595	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	97642	5.160	ug/l #	46
38) Carbon Tetrachloride	6.40	117	110173	6.485	ug/l #	15
52) Toluene	9.54	92	353820	11.704	ug/l	99
68) m/p-Xylenes	11.56	106	72591	3.790	ug/l	97
69) o-Xylene	11.93	106	22236	1.218	ug/l	85
81) trans-1,4-Dichloro-2-buten	12.42	75	201984	107.894	ug/l #	14
89) n-Butylbenzene	13.65	91	4194	Below Cal		90

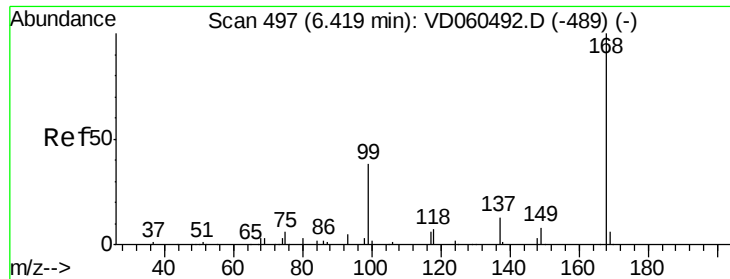
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120618\
Data File : VD060502.D
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Quant Time: Dec 07 03:34:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060502.D

Acq: 6 Dec 2018 13:43

Instrument :

MSVOA_D

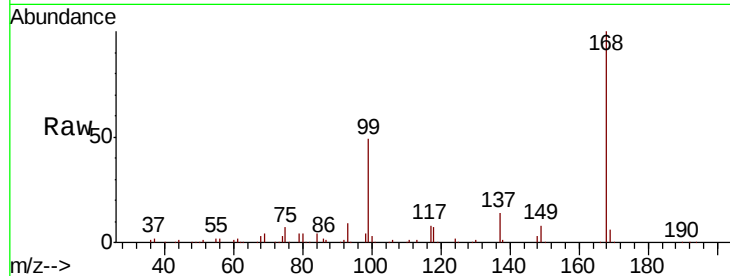
ClientSampled :

Tot Ion:168 Resp: 1398142

Ion Ratio Lower Upper

168 100

99 49.3 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

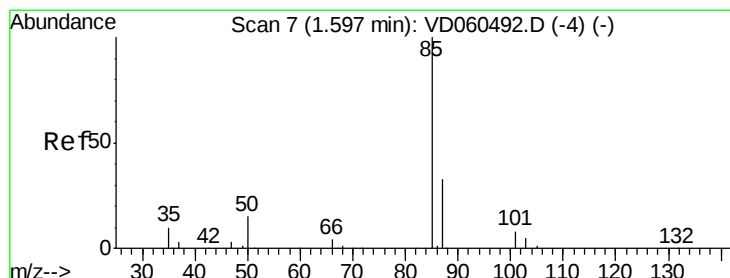
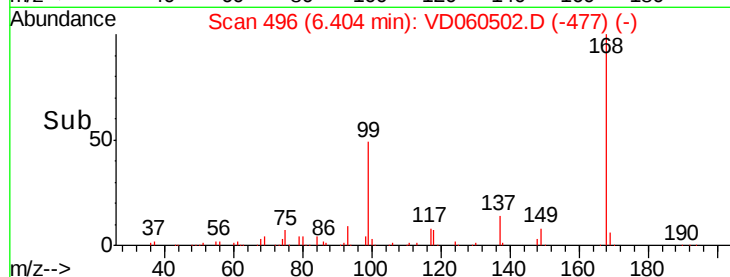
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060502.D

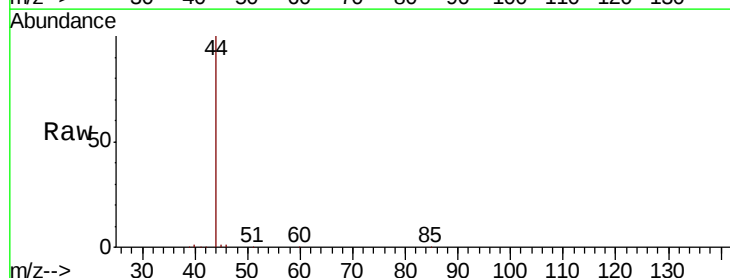
Acq: 6 Dec 2018 13:43

Tgt Ion: 85 Resp: 377

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

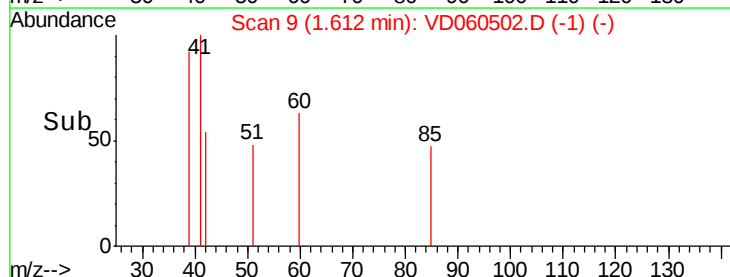
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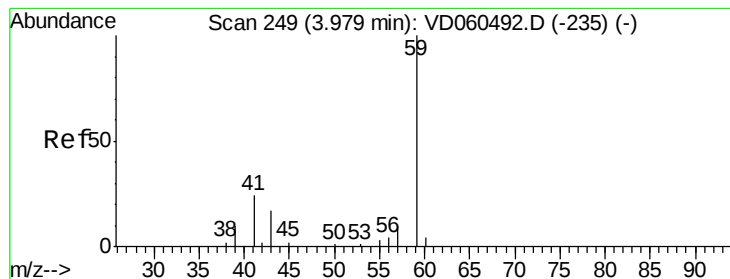
200

100

0

Time-->



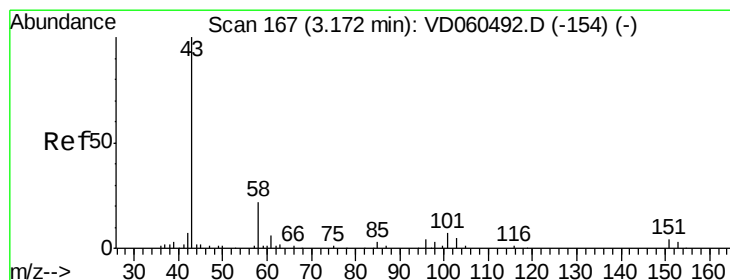
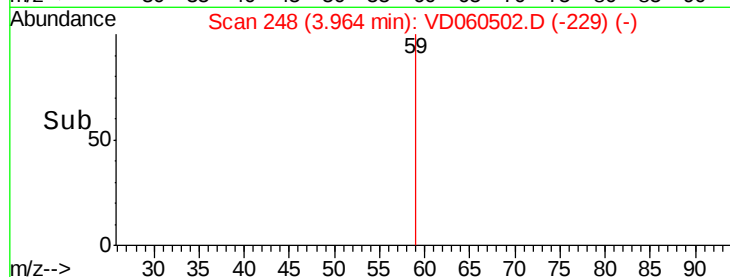
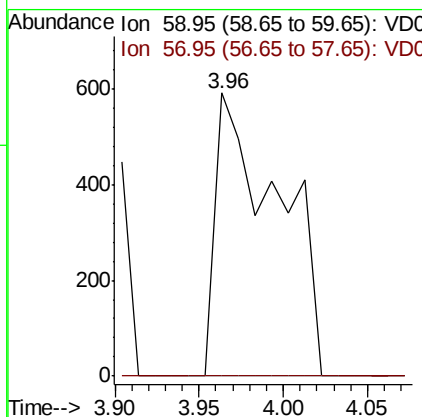
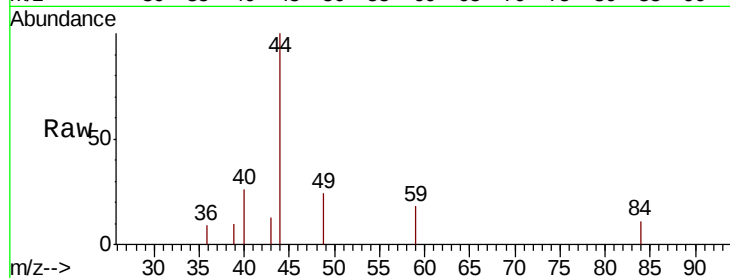


#11

Tert butyl alcohol
 Concen: 3.788 ug/l
 RT: 3.96 min Scan# 248
 Delta R.T. -0.02 min
 Lab File: VD060502.D
 Acq: 6 Dec 2018 13:43

Instrument :
 MSVOA_D
 ClientSampled :

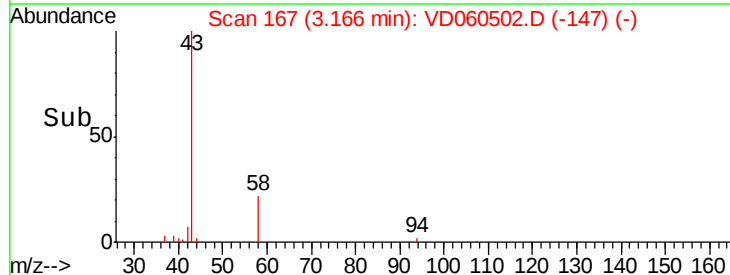
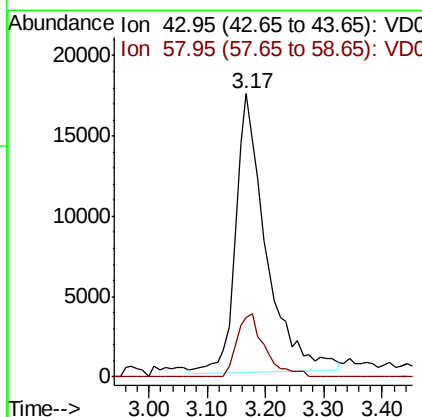
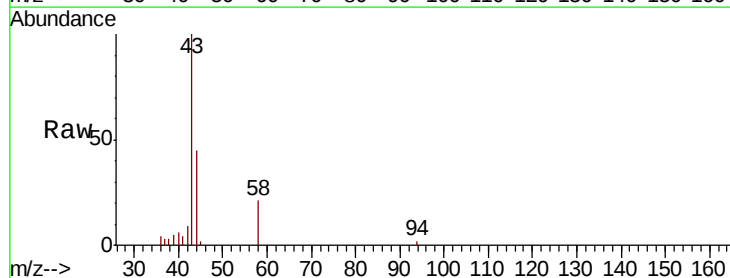
Tot Ion: 59 Resp: 1525
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

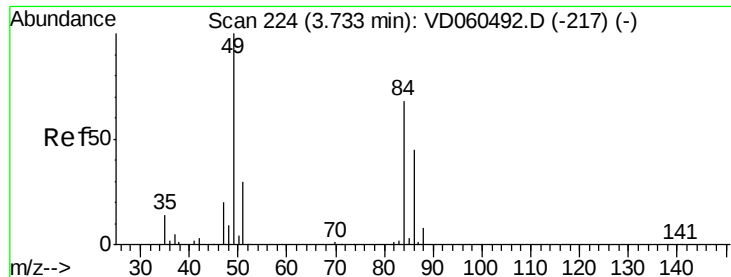


#16

Acetone
 Concen: 39.805 ug/l
 RT: 3.17 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VD060502.D
 Acq: 6 Dec 2018 13:43

Tgt Ion: 43 Resp: 63230
 Ion Ratio Lower Upper
 43 100
 58 21.1 17.3 25.9

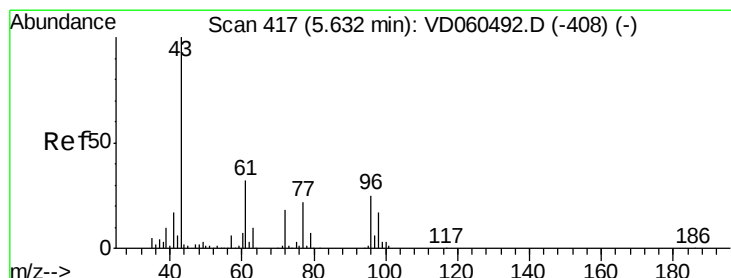
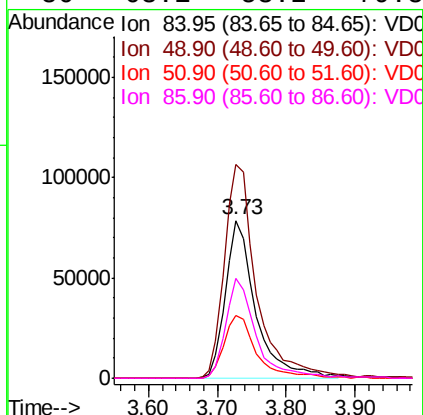
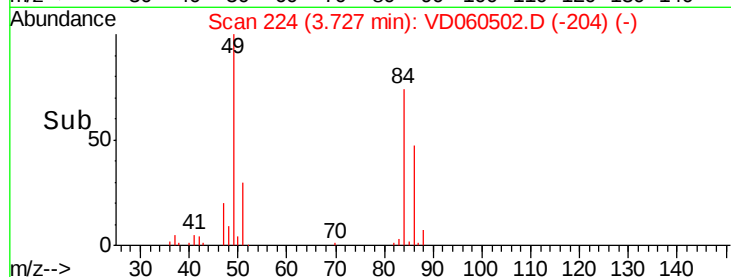
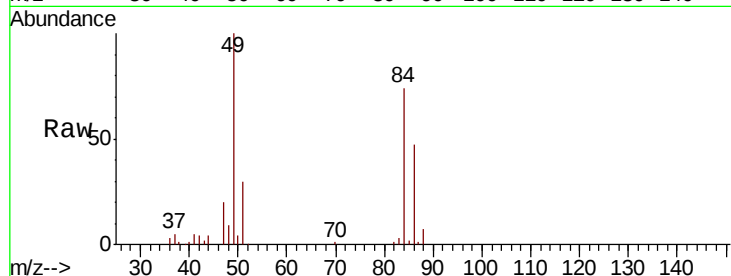




#20
Methvlene Chloride
Concen: 13.253 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060502.D
Acq: 6 Dec 2018 13:43

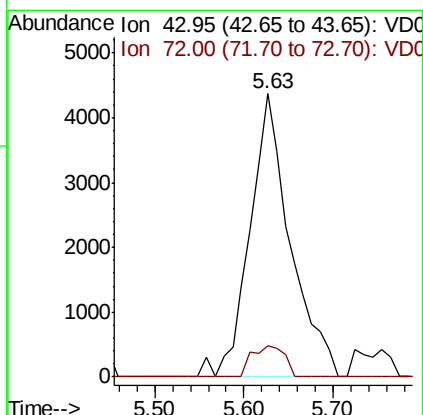
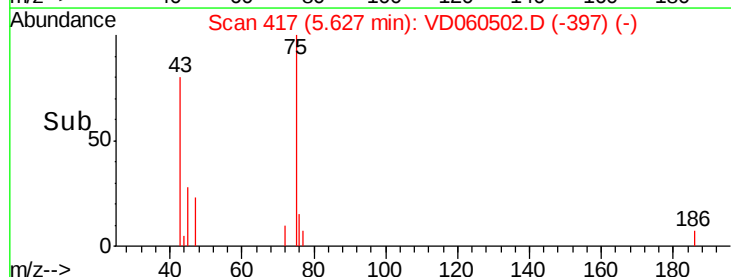
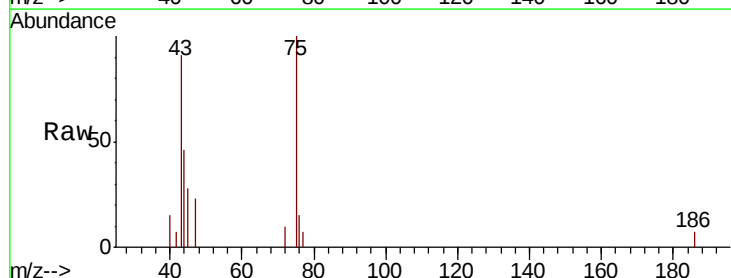
Instrument :
MSVOA_D
ClientSampleId :

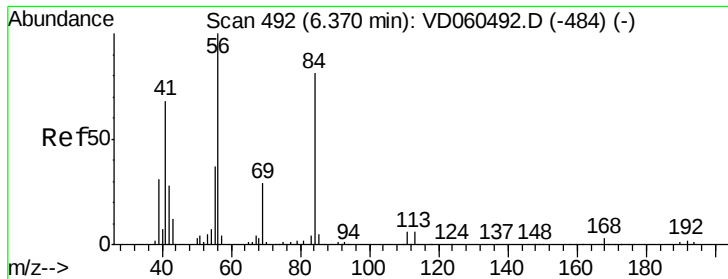
Tot Ion: 84 Resp: 241247
Ion Ratio Lower Upper
84 100
49 135.3 117.2 175.8
51 40.0 35.3 52.9
86 63.1 53.2 79.8



#25
2-Butanone
Concen: 4.382 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060502.D
Acq: 6 Dec 2018 13:43

Tgt Ion: 43 Resp: 13695
Ion Ratio Lower Upper
43 100
72 11.1 14.6 21.8#





#31

Cyclohexane

Concen: Below Cal

RT: 6.40 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060502.D

Acq: 6 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampled :

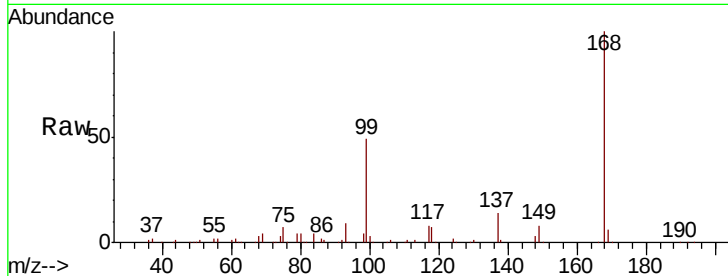
Tot Ion: 56 Resp: 30595

Ion Ratio Lower Upper

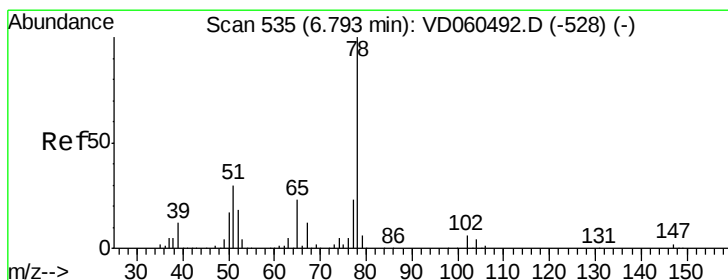
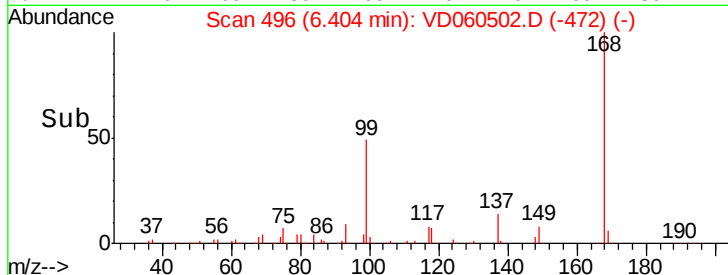
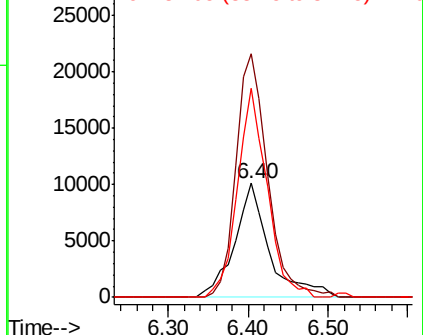
56 100

69 213.3 22.8 34.2#

84 183.3 65.1 97.7#



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: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060502.D

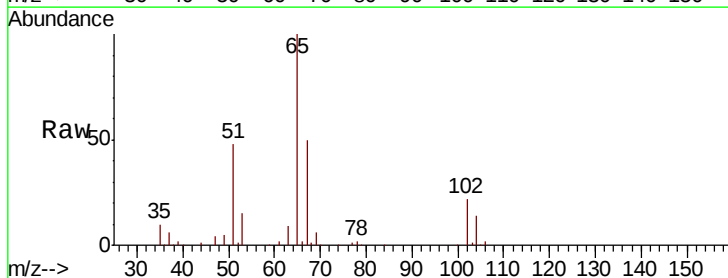
Acq: 6 Dec 2018 13:43

Tgt Ion: 65 Resp: 441596

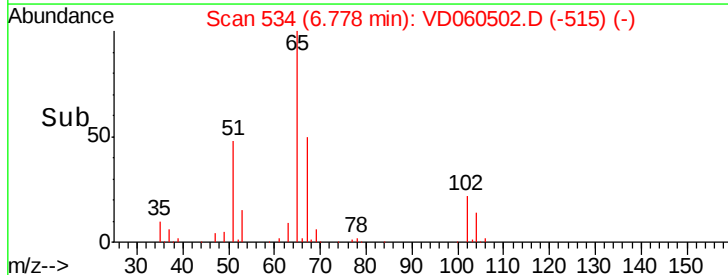
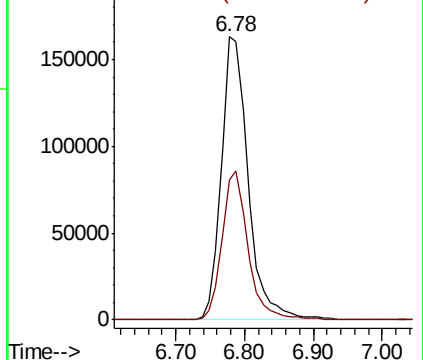
Ion Ratio Lower Upper

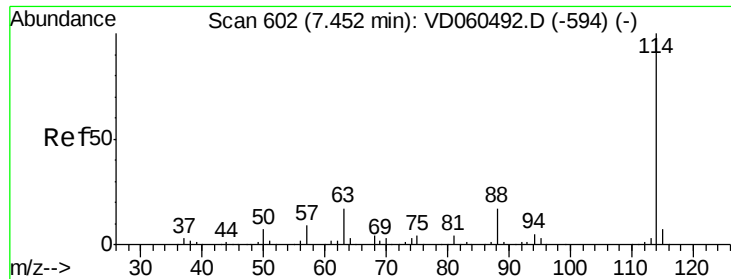
65 100

67 49.5 0.0 106.8



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

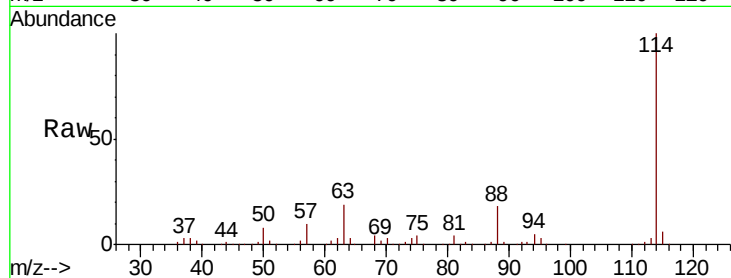




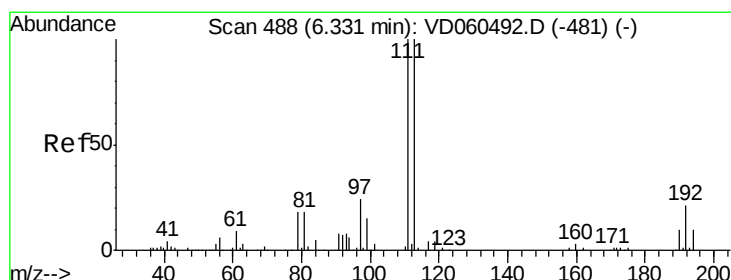
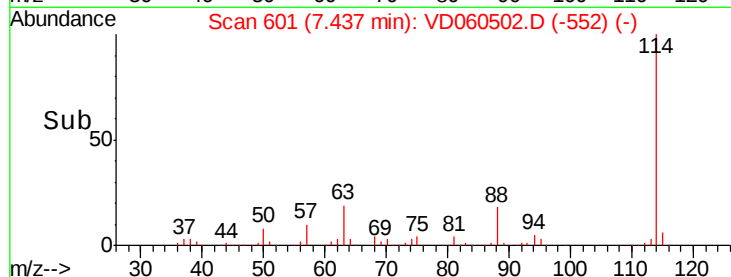
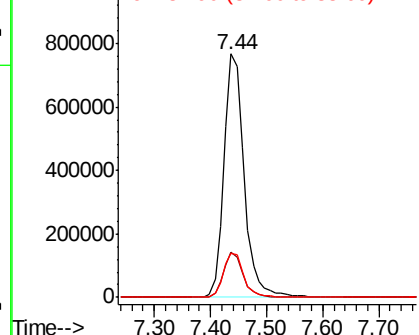
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.44 min Scan# 601
Delta R.T. -0.02 min
Lab File: VD060502.D
Acq: 6 Dec 2018 13:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:114 Resp: 1936063
Ion Ratio Lower Upper
114 100
63 18.7 0.0 34.2
88 18.3 0.0 35.0

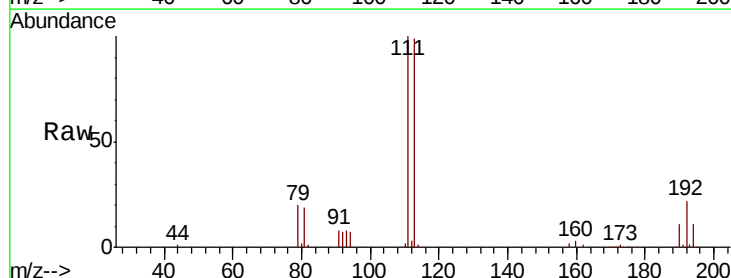


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

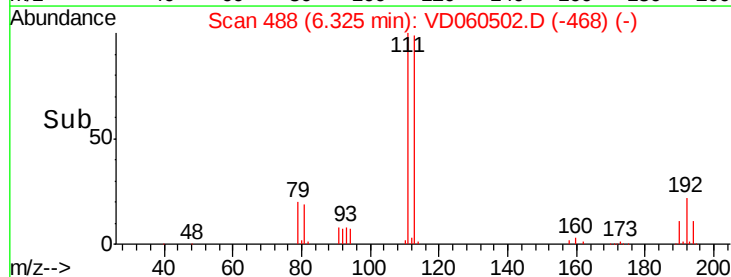
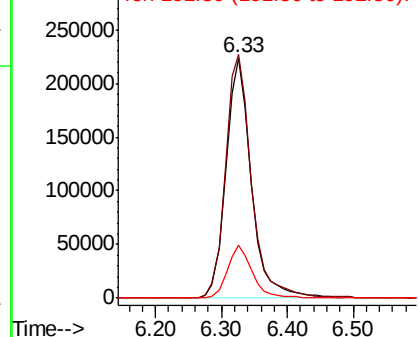


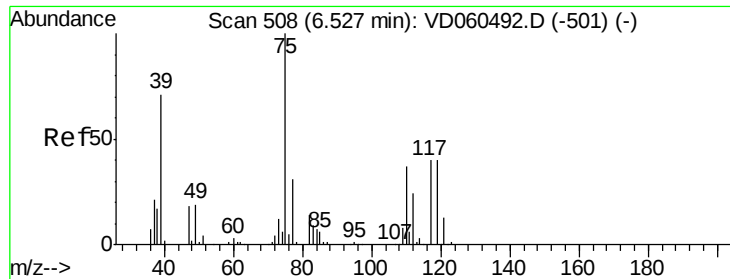
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.01 min
Lab File: VD060502.D
Acq: 6 Dec 2018 13:43

Tgt Ion:113 Resp: 601527
Ion Ratio Lower Upper
113 100
111 101.5 80.2 120.4
192 22.0 16.6 24.8



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: 5.160 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060502.D

Acq: 6 Dec 2018 13:43

Instrument :
MSVOA_D
ClientSampleId :

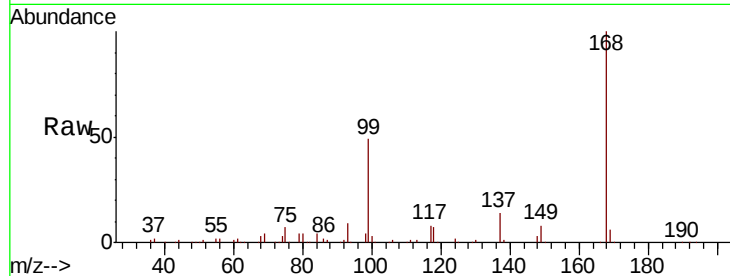
Tot Ion: 75 Resp: 97642

Ion Ratio Lower Upper

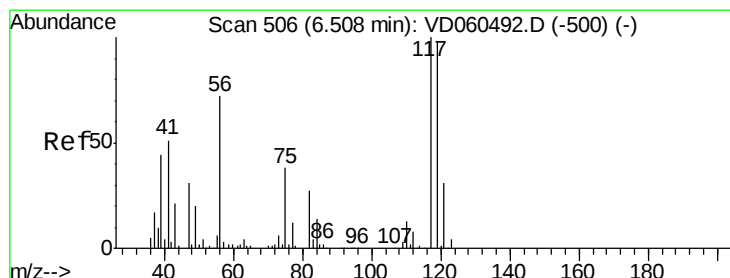
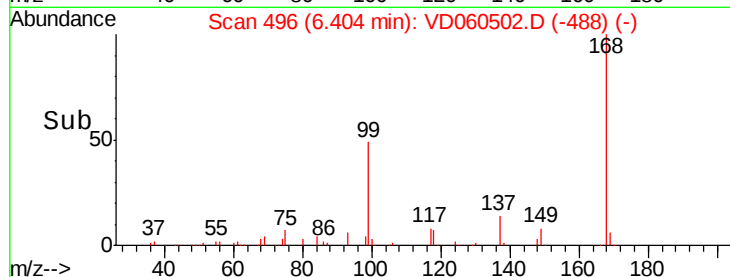
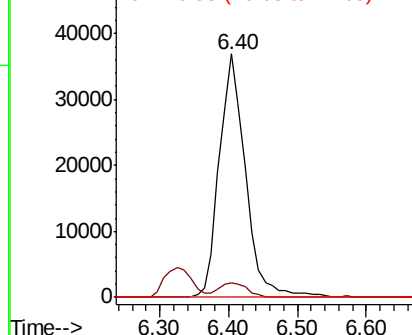
75 100

110 5.9 18.3 54.8#

77 0.0 24.6 37.0#



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



#38

Carbon Tetrachloride

Concen: 6.485 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060502.D

Acq: 6 Dec 2018 13:43

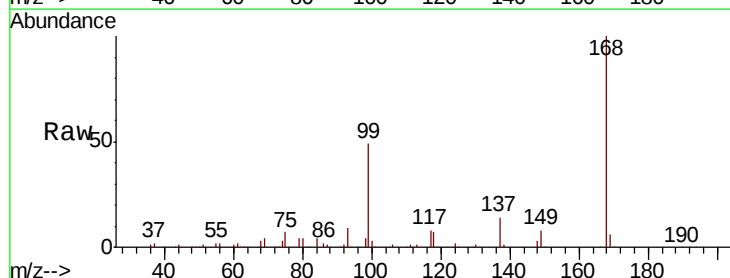
Tgt Ion: 117 Resp: 110173

Ion Ratio Lower Upper

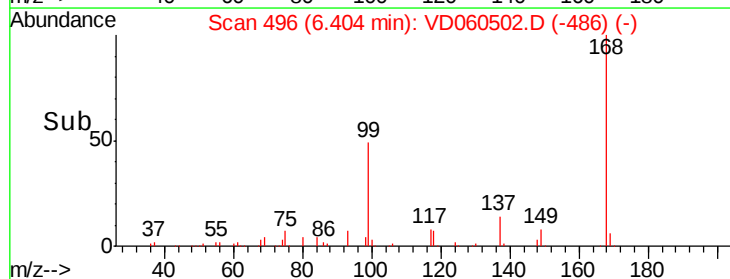
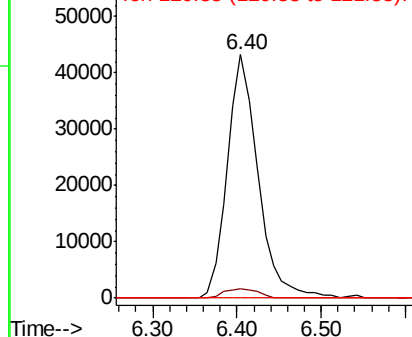
117 100

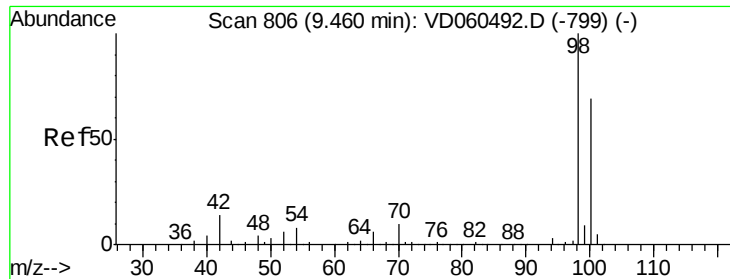
119 4.1 76.8 115.2#

121 0.0 24.4 36.6#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060502.D

Acq: 6 Dec 2018 13:43

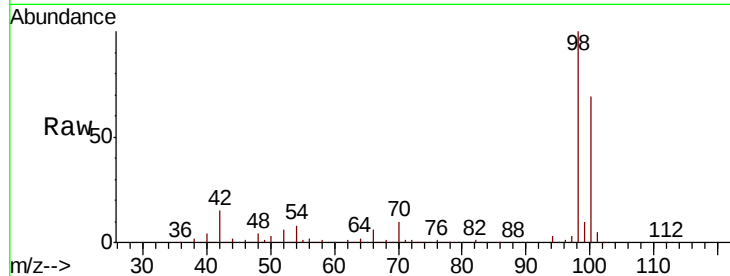
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1505916

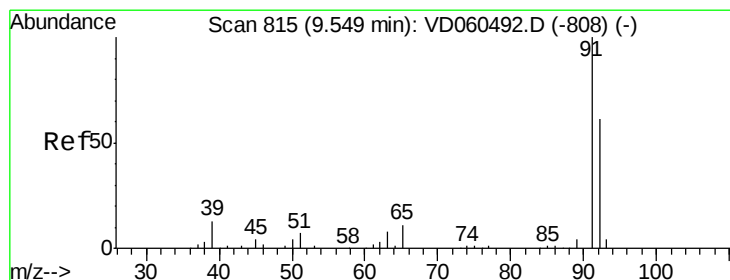
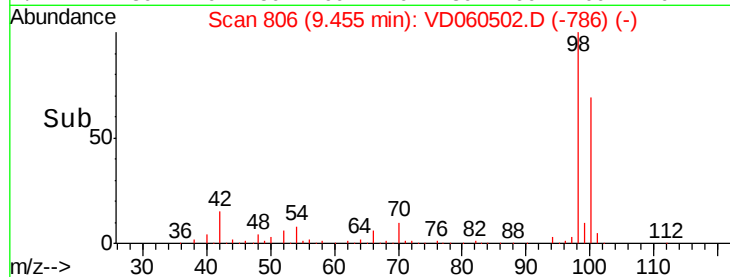
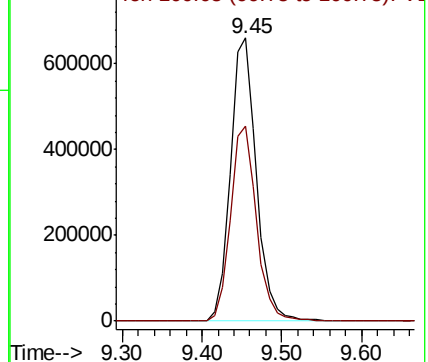
Ion Ratio Lower Upper

98 100

100 68.8 55.7 83.5



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



#52

Toluene

Concen: 11.704 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060502.D

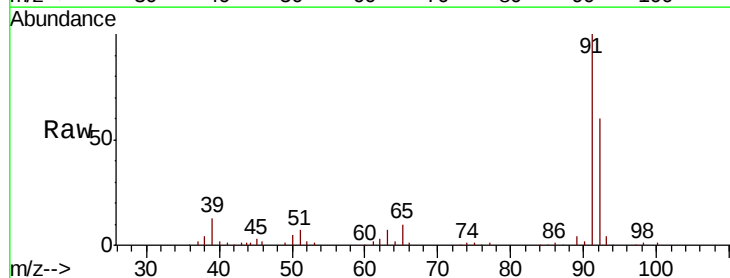
Acq: 6 Dec 2018 13:43

Tgt Ion: 92 Resp: 353820

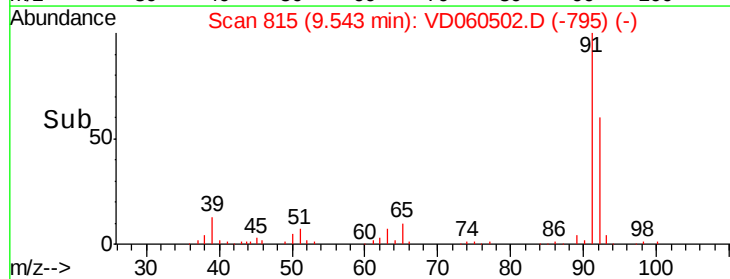
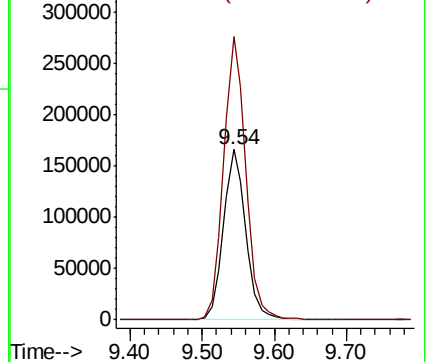
Ion Ratio Lower Upper

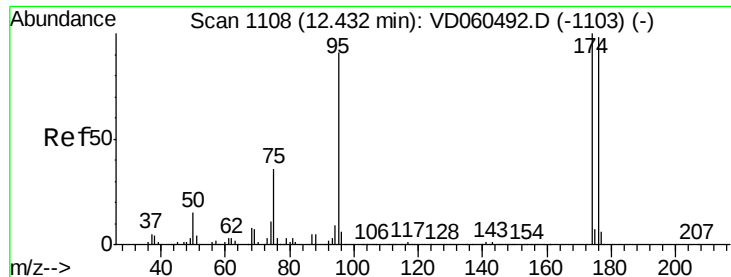
92 100

91 166.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

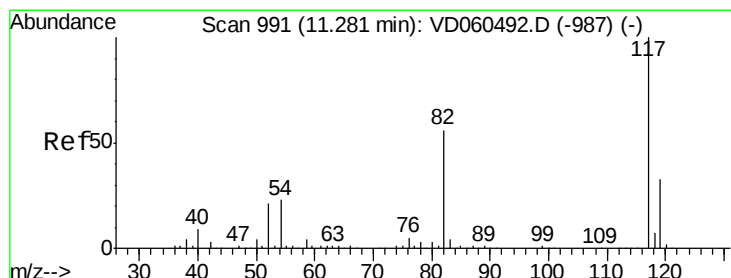
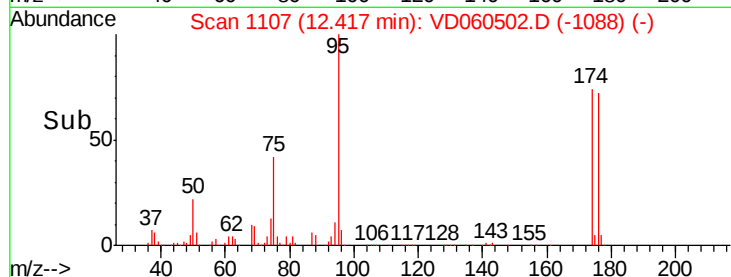
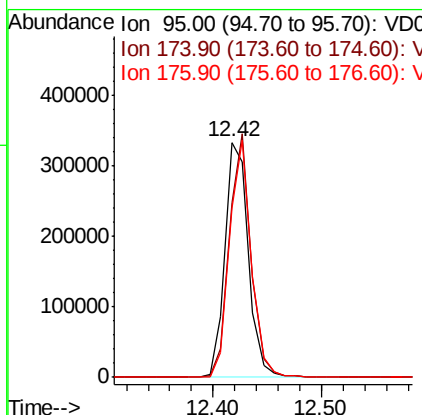
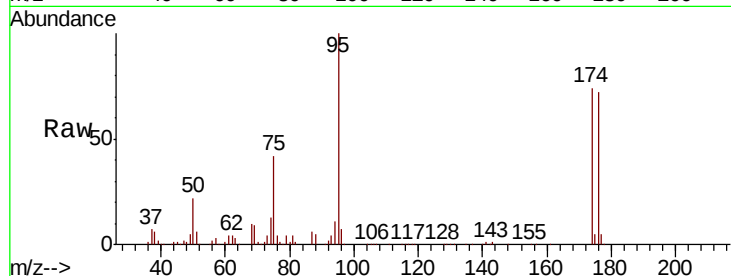




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD060502.D
Acq: 6 Dec 2018 13:43

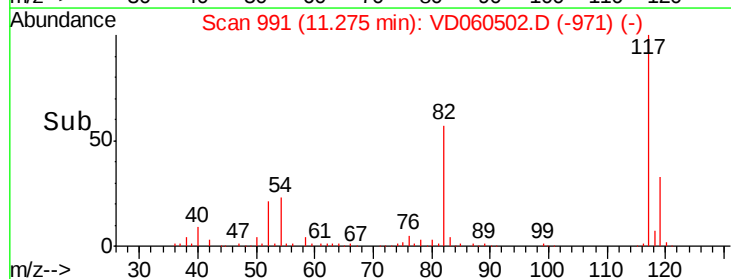
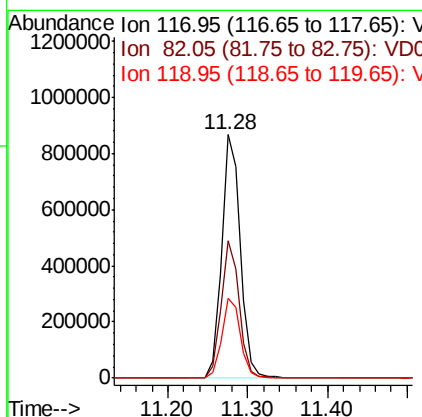
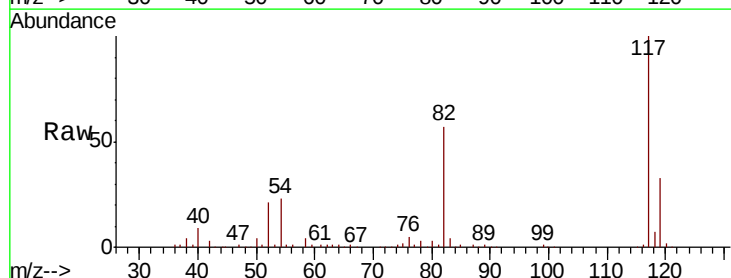
Instrument :
MSVOA_D
ClientSampleId :

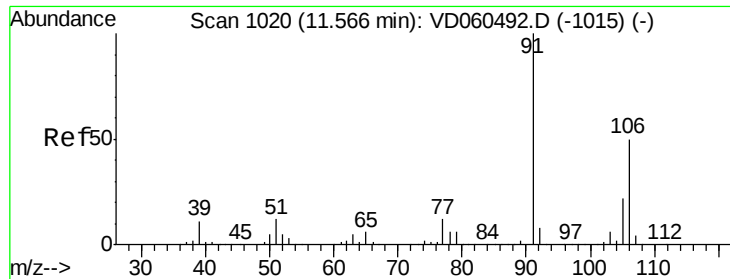
Tot Ion: 95 Resp: 503125
Ion Ratio Lower Upper
95 100
174 74.0 0.0 219.4
176 72.3 0.0 214.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060502.D
Acq: 6 Dec 2018 13:43

Tgt Ion: 117 Resp: 1434664
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 32.6 26.1 39.1

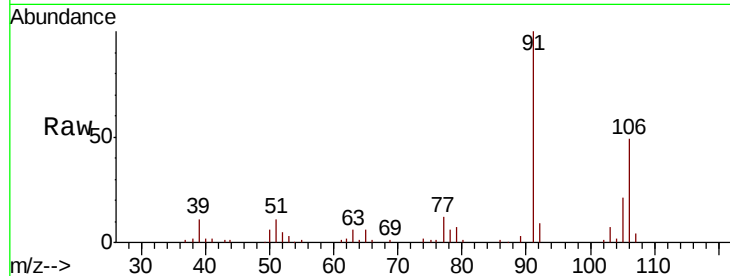




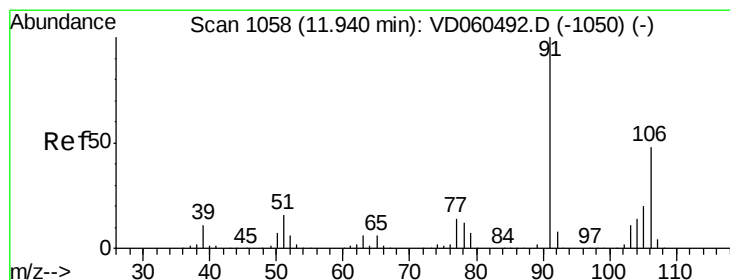
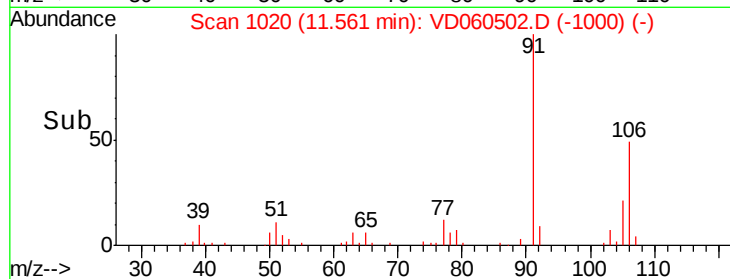
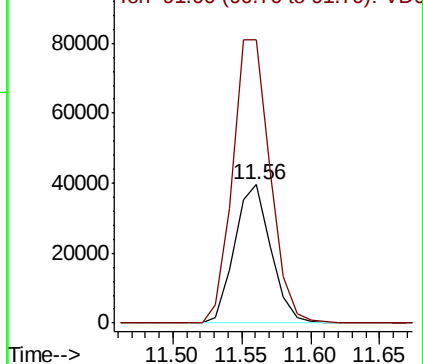
#68
m/p-Xvlenes
Concen: 3.790 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060502.D
Acq: 6 Dec 2018 13:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 72591
Ion Ratio Lower Upper
106 100
91 204.7 160.5 240.7

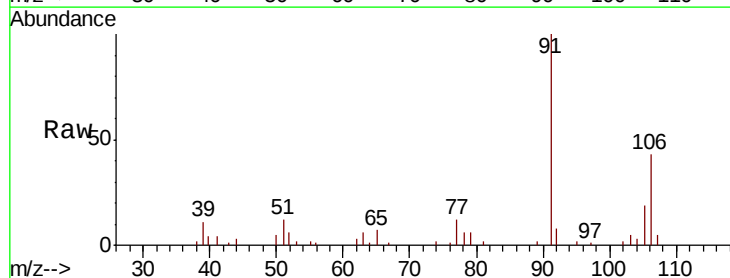


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

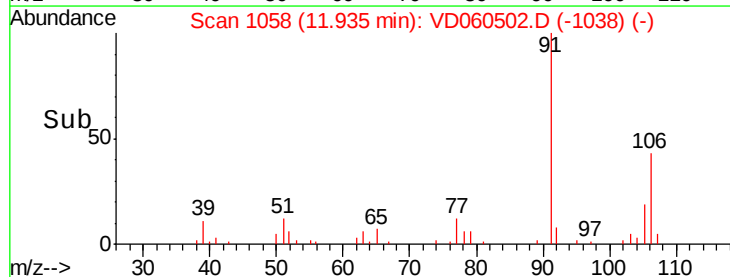
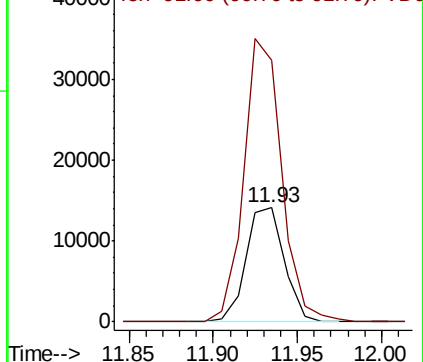


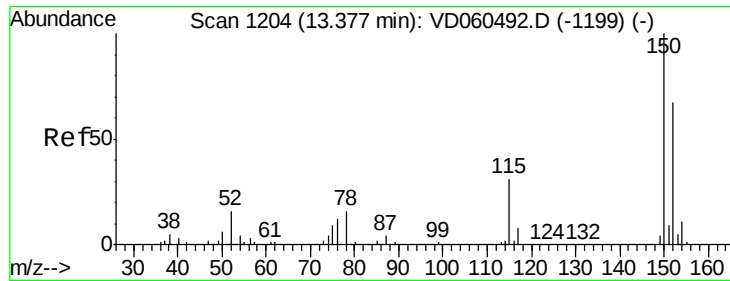
#69
o-Xylene
Concen: 1.218 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060502.D
Acq: 6 Dec 2018 13:43

Tgt Ion:106 Resp: 22236
Ion Ratio Lower Upper
106 100
91 230.3 103.4 310.1



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060502.D

Acq: 6 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

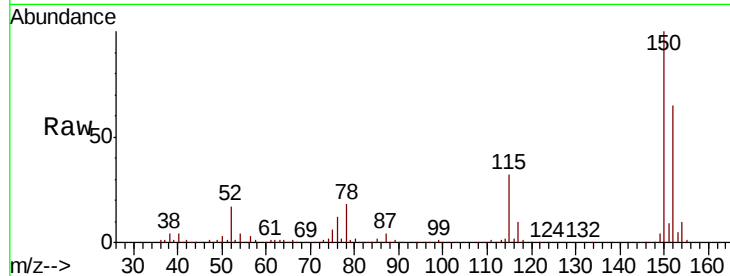
Tot Ion:152 Resp: 592392

Ion Ratio Lower Upper

152 100

115 49.0 24.6 74.0

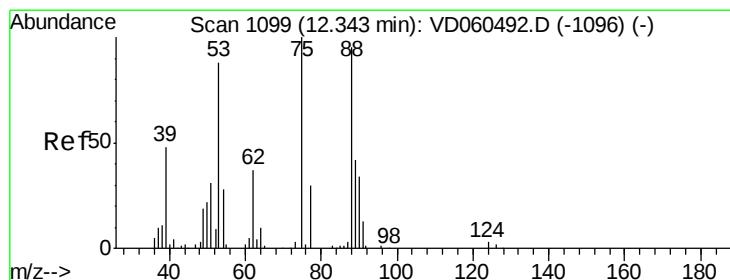
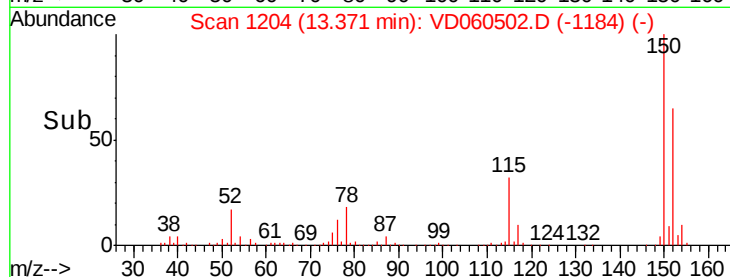
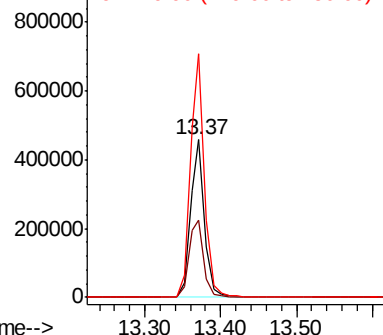
150 154.7 0.0 309.0



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: 107.894 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060502.D

Acq: 6 Dec 2018 13:43

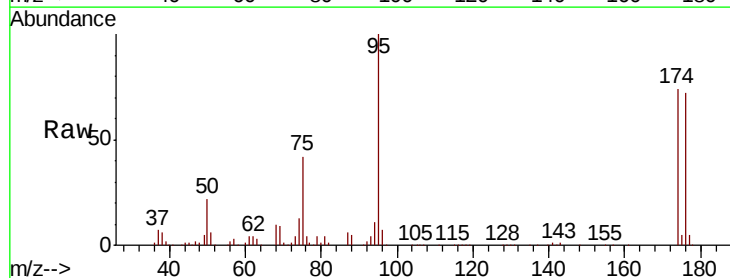
Tgt Ion: 75 Resp: 201984

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

