

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060044.D
 Acq On : 19 Sep 2018 16:43
 Operator : JC/SY
 Sample : J4987-01
 Misc : 4.88g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 20 05:44:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	993809	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	1429367	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1168922	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	556882	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	361518	46.65	ug/l	0.02
Spiked Amount			Recovery	=	93.30%	
35) Dibromofluoromethane	6.32	113	433348	38.81	ug/l	0.02
Spiked Amount			Recovery	=	77.62%	
50) Toluene-d8	9.46	98	1118075	36.13	ug/l	0.02
Spiked Amount			Recovery	=	72.26%	
62) 4-Bromofluorobenzene	12.43	95	413994	35.01	ug/l	0.02
Spiked Amount			Recovery	=	70.02%	

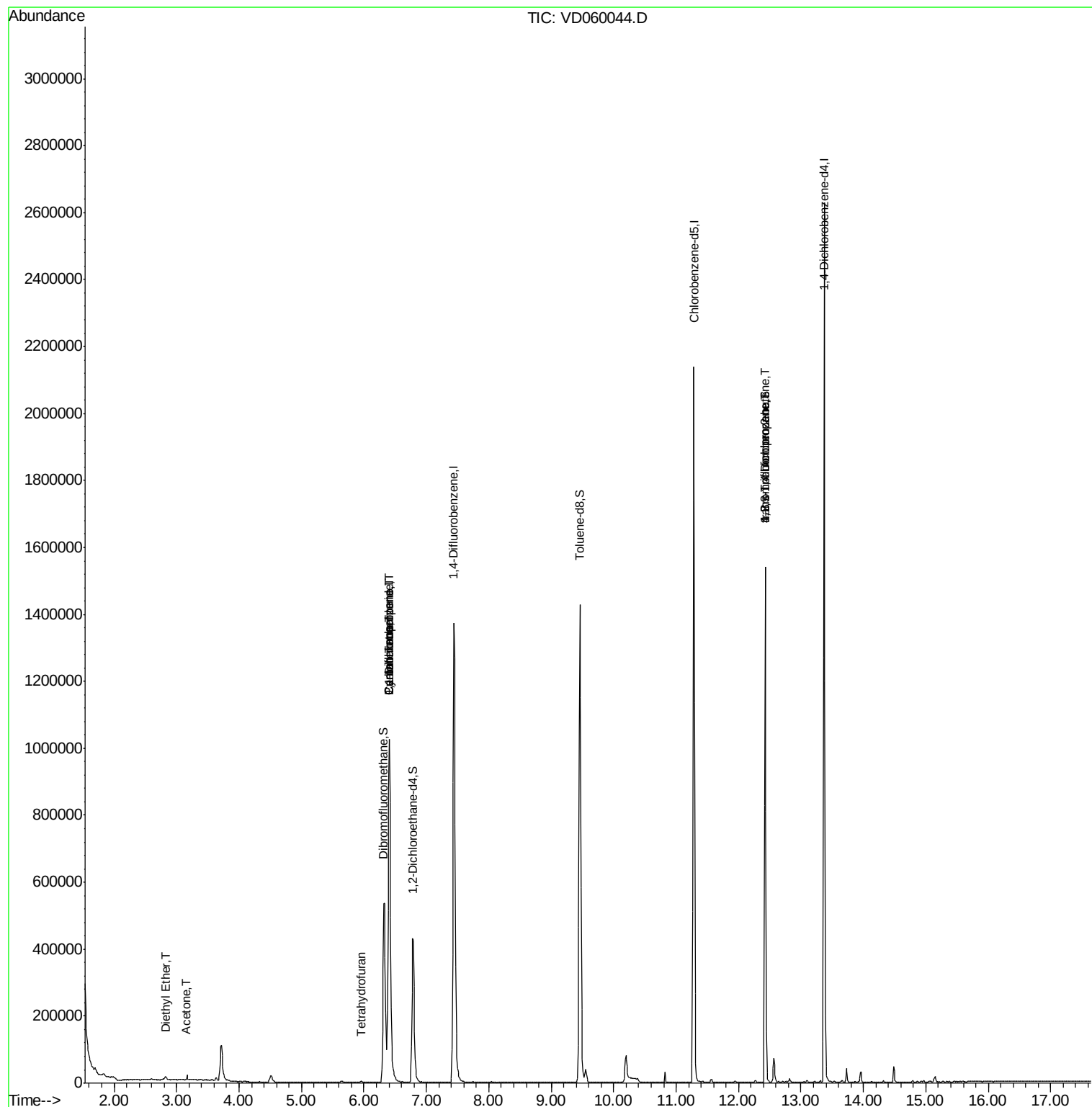
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.81	74	2491	1.43	ug/l	79
16) Acetone	3.15	43	7243	4.84	ug/l	94
20) Methylene Chloride	3.72	84	68118	Below Cal		98
29) Tetrahydrofuran	5.96	42	2430	1.12	ug/l #	75
31) Cyclohexane	6.41	56	19835	1.15	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	71954	5.07	ug/l #	46
38) Carbon Tetrachloride	6.41	117	79567	6.00	ug/l #	15
51) 4-Methyl-2-Pentanone	9.46	43	6347	Below Cal	#	1
59) 2-Hexanone	10.49	43	306	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.43	75	163034	19.17	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	170875	66.56	ug/l #	15
89) n-Butylbenzene	13.65	91	2005	Below Cal		90
91) 1,2-Dichlorobenzene	13.66	146	1467	Below Cal		87

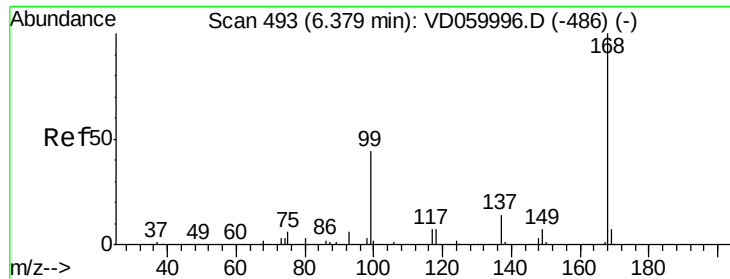
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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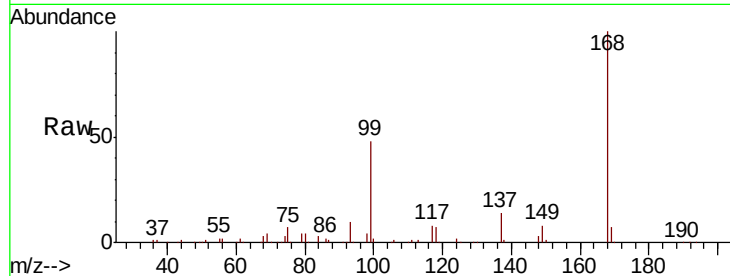


#1

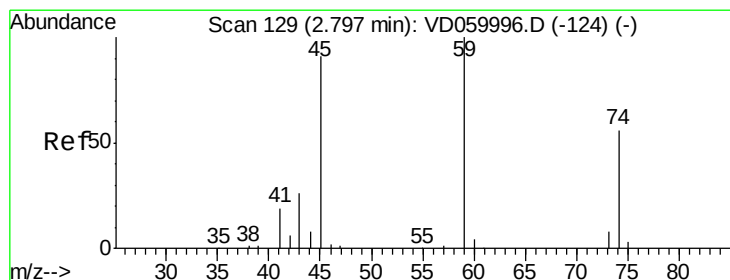
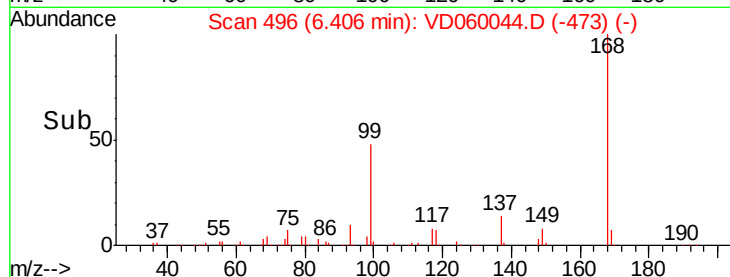
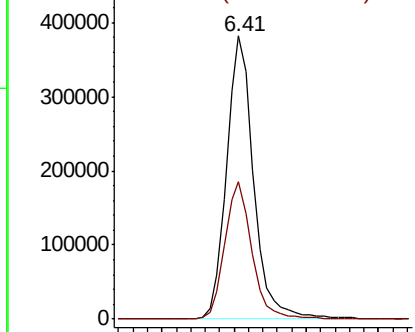
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. 0.03 min
 Lab File: VD060044.D
 Acq: 19 Sep 2018 16:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:168 Resp: 993809
 Ion Ratio Lower Upper
 168 100
 99 48.4 38.5 57.7



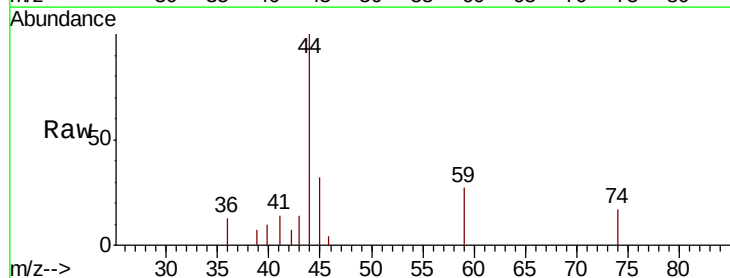
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



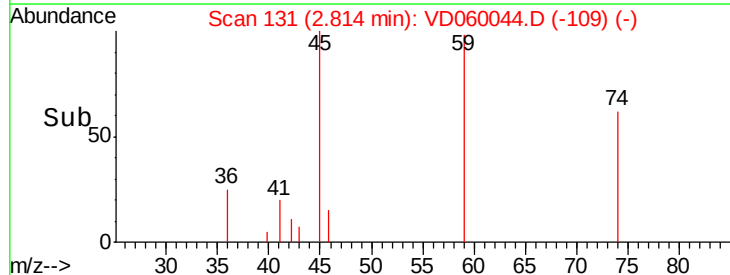
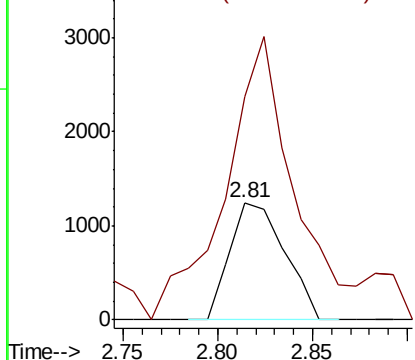
#8

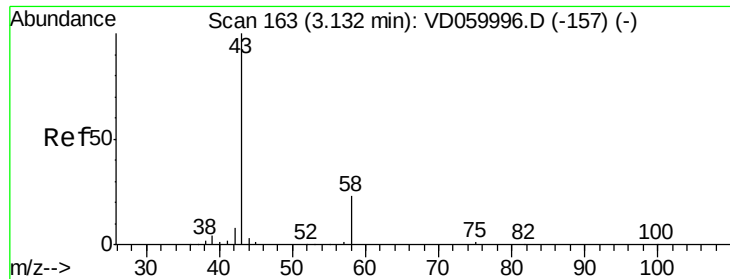
Diethyl Ether
 Concen: 1.43 ug/l
 RT: 2.81 min Scan# 131
 Delta R.T. 0.02 min
 Lab File: VD060044.D
 Acq: 19 Sep 2018 16:43

Tgt Ion: 74 Resp: 2491
 Ion Ratio Lower Upper
 74 100
 45 189.8 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 4.84 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060044.D

Acq: 19 Sep 2018 16:43

Instrument :

MSVOA_D

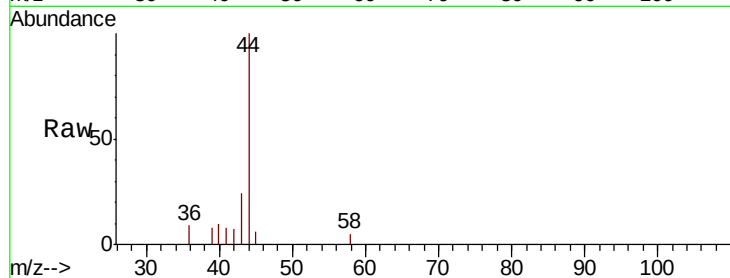
ClientSampleId :

Tot Ion: 43 Resp: 7243

Ion Ratio Lower Upper

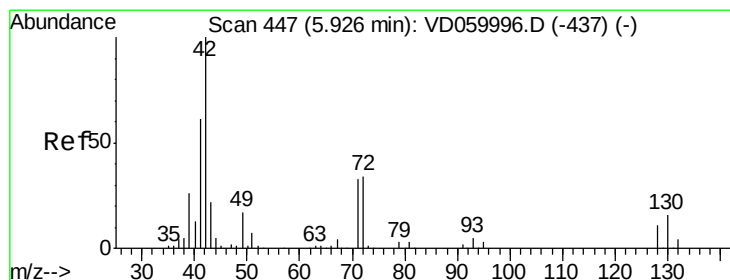
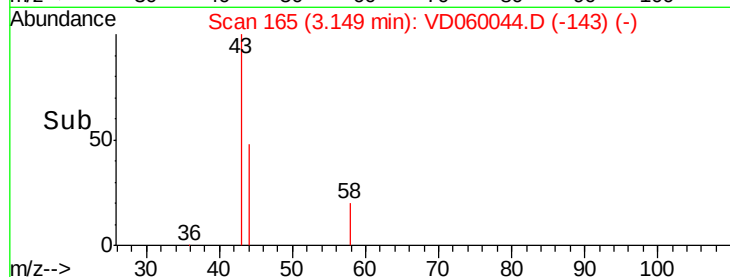
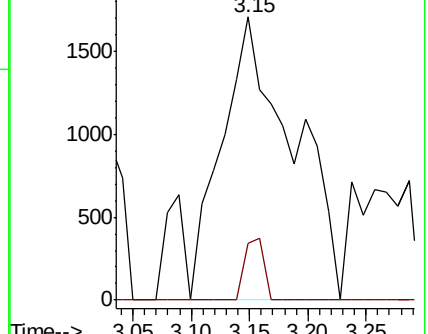
43 100

58 19.9 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#29

Tetrahydrofuran

Concen: 1.12 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060044.D

Acq: 19 Sep 2018 16:43

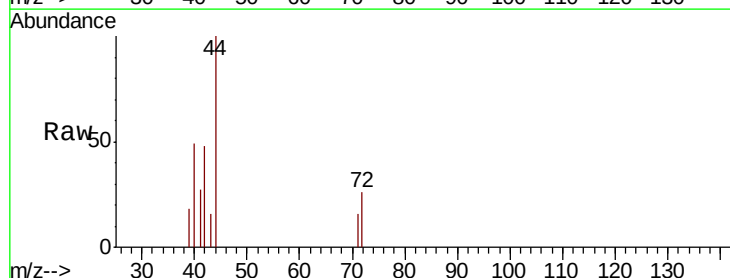
Tgt Ion: 42 Resp: 2430

Ion Ratio Lower Upper

42 100

72 22.4 26.9 40.3#

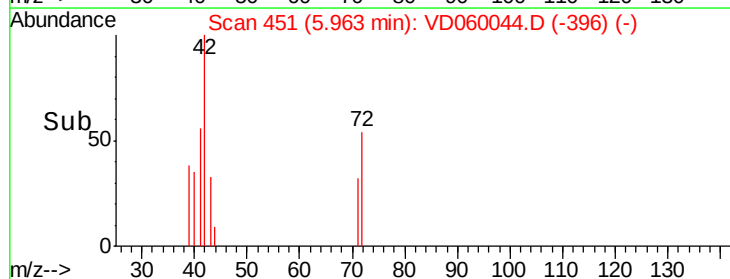
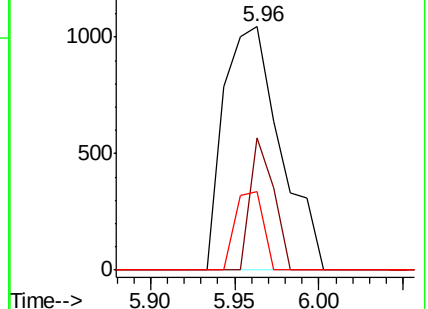
71 16.0 26.2 39.4#

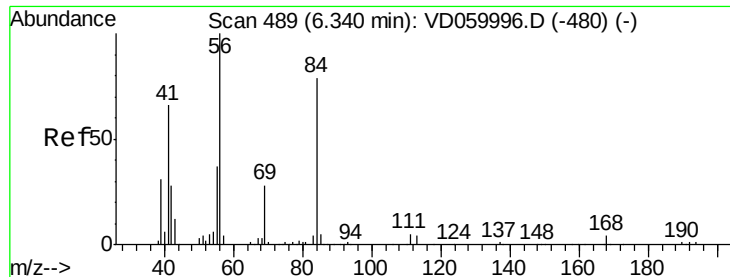


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

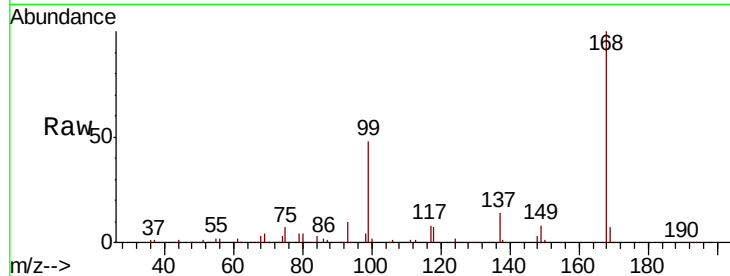




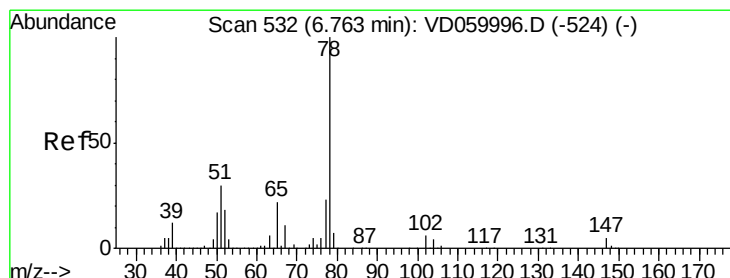
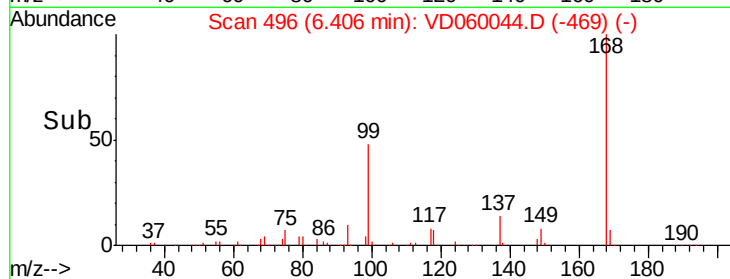
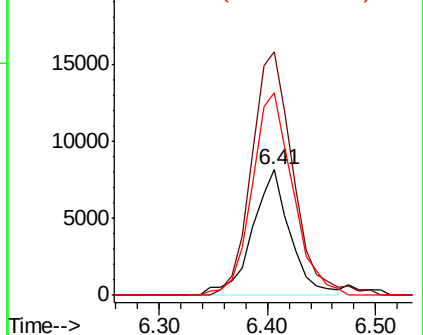
#31
Cyclohexane
Concen: 1.15 ug/l
RT: 6.41 min Scan# 496
Delta R.T. 0.07 min
Lab File: VD060044.D
Acq: 19 Sep 2018 16:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 19835
Ion Ratio Lower Upper
56 100
69 193.8 22.7 34.1#
84 161.0 64.0 96.0#

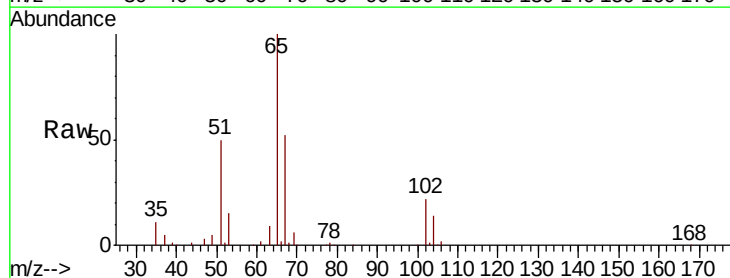


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

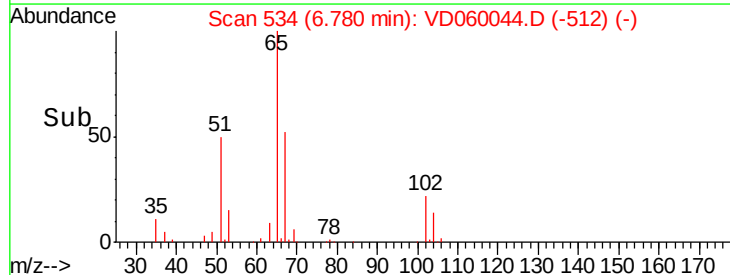
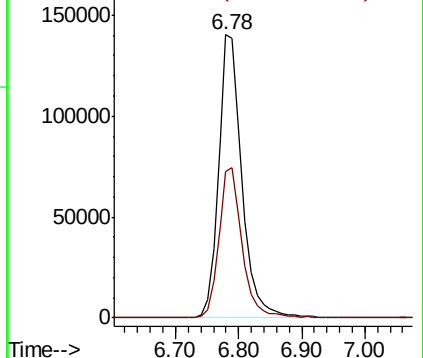


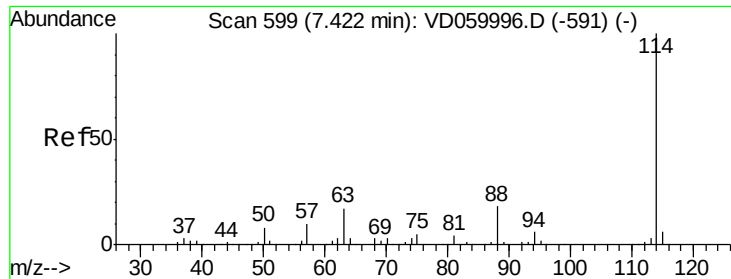
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.02 min
Lab File: VD060044.D
Acq: 19 Sep 2018 16:43

Tgt Ion: 65 Resp: 361518
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8



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



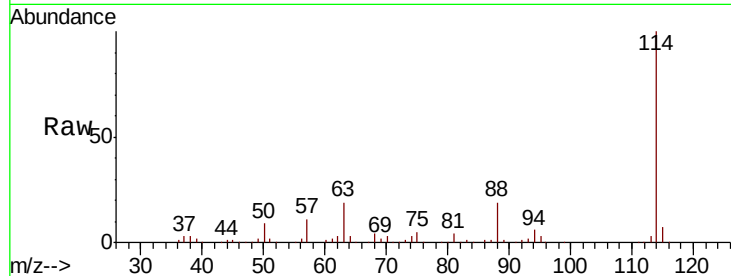


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060044.D
 Acq: 19 Sep 2018 16:43

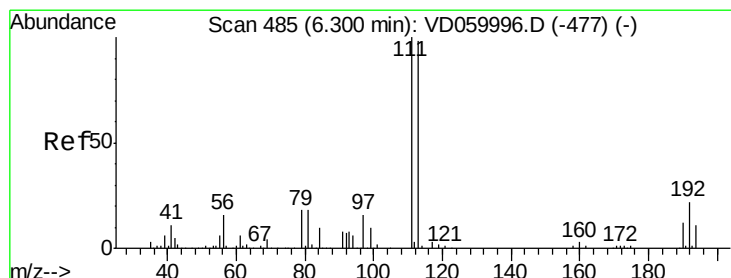
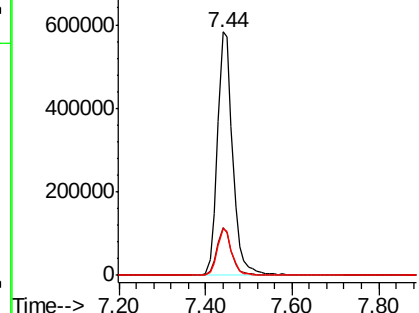
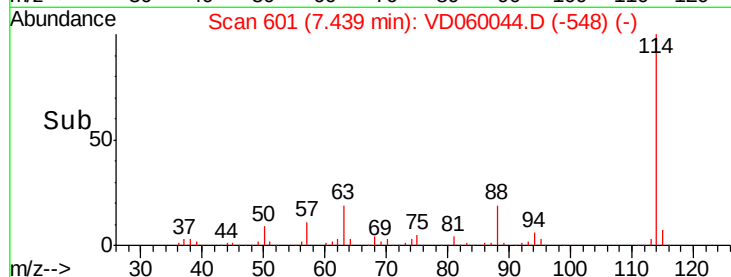
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1429367

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	34.4
88	19.1	0.0	35.8



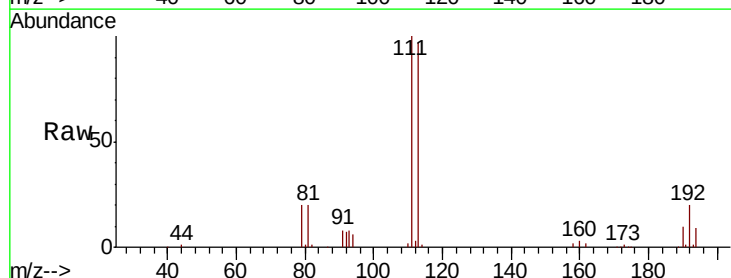
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V



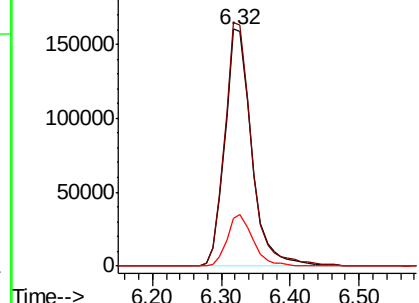
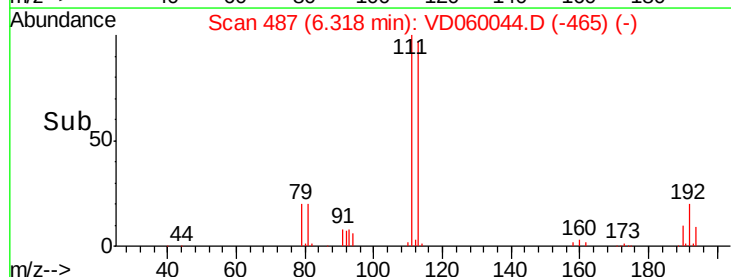
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060044.D
 Acq: 19 Sep 2018 16:43

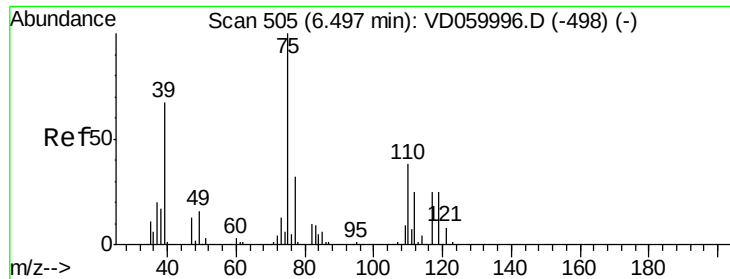
Tgt Ion:113 Resp: 433348

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	20.2	18.1	27.1



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

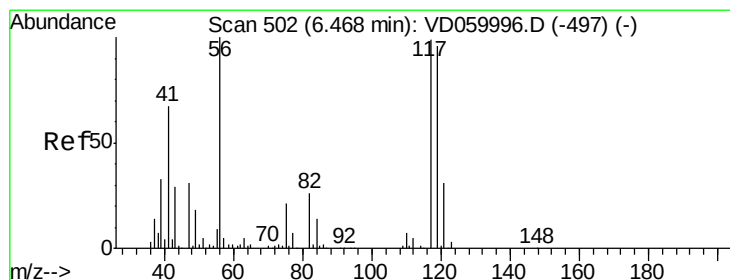
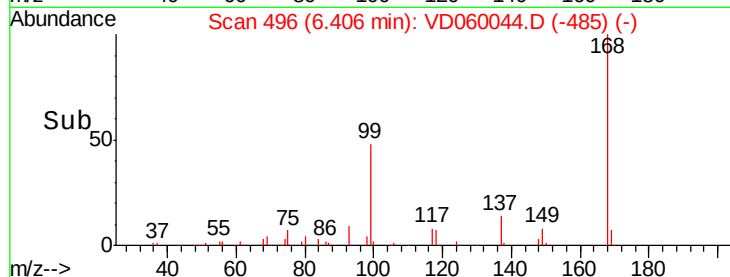
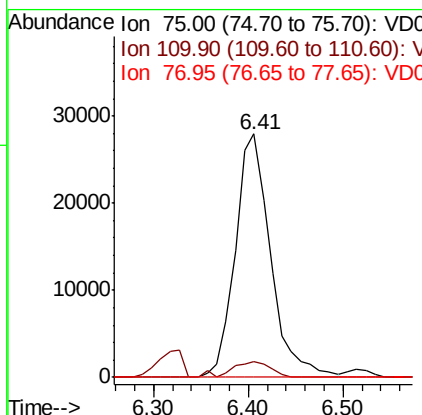
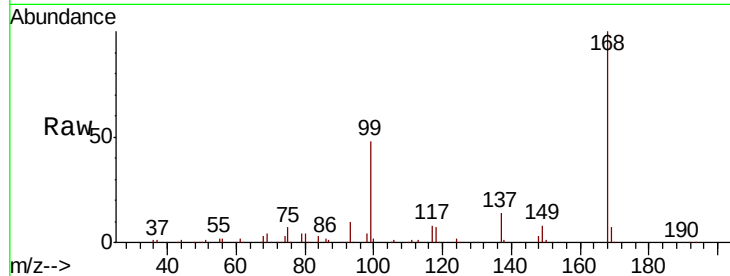




#36
 1,1-Dichloropropene
 Concen: 5.07 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: VD060044.D
 Acq: 19 Sep 2018 16:43

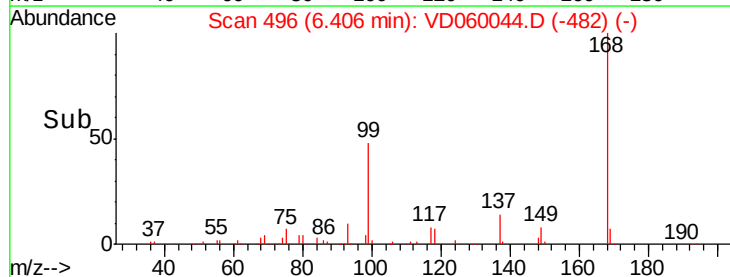
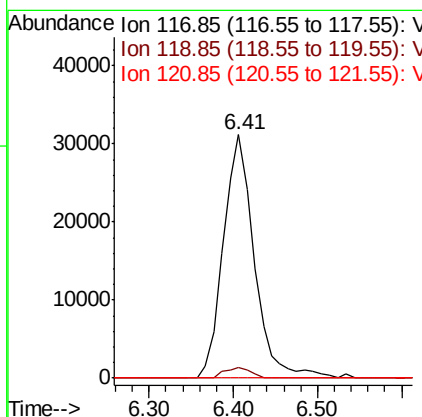
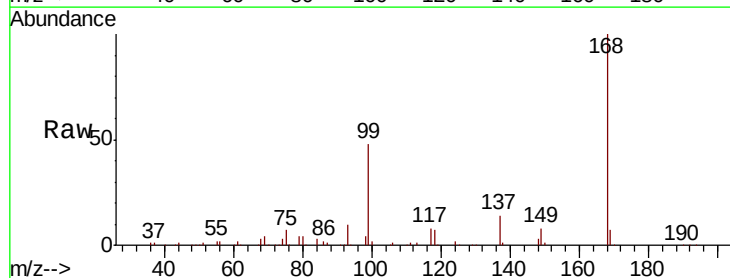
Instrument :
 MSVOA_D
 ClientSampleId :

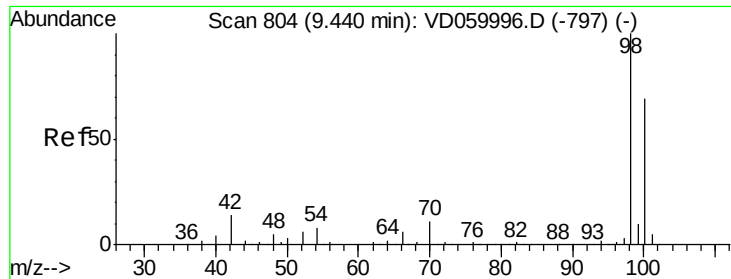
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.6	18.9	56.9#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.00 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.06 min
 Lab File: VD060044.D
 Acq: 19 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.7	115.1#
121	0.0	24.9	37.3#

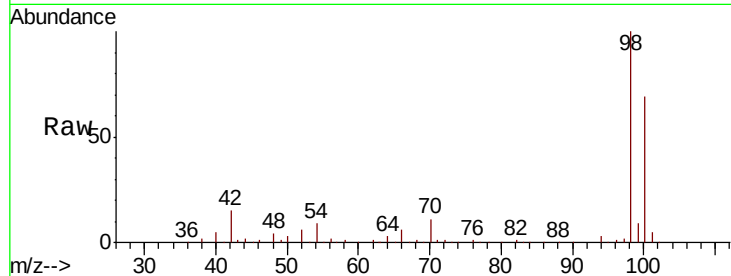




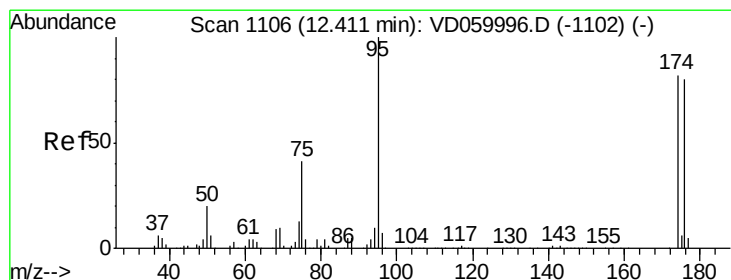
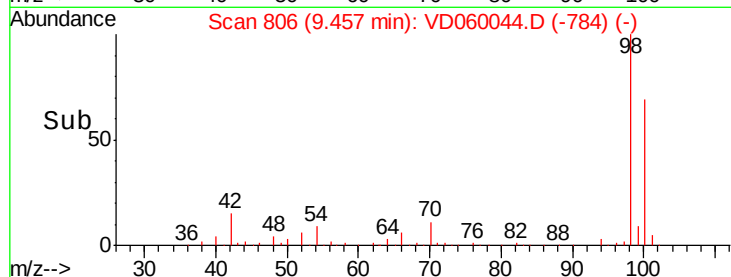
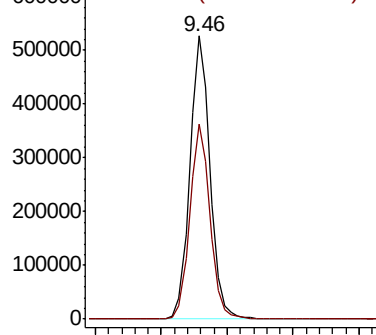
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060044.D
Acq: 19 Sep 2018 16:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1118075
Ion Ratio Lower Upper
98 100
100 69.0 55.8 83.6

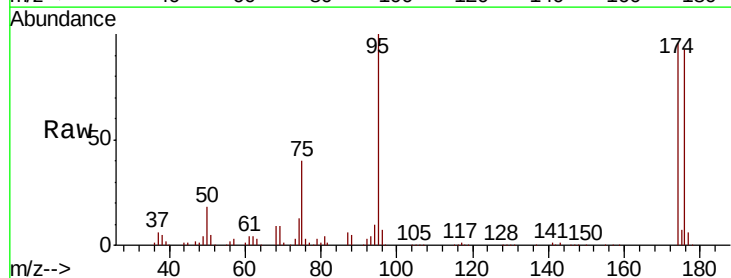


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

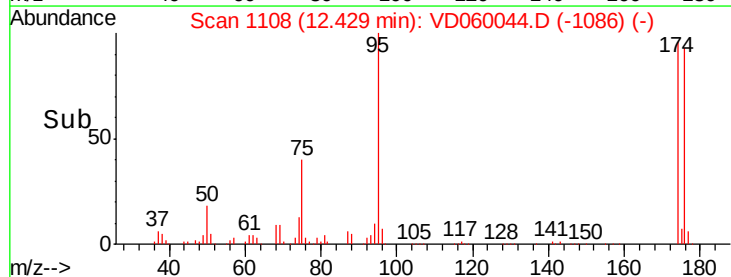
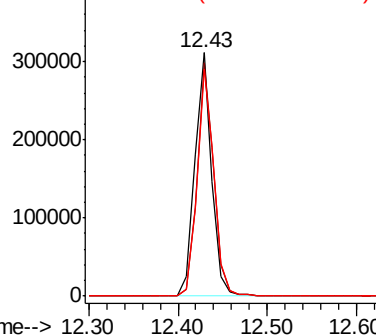


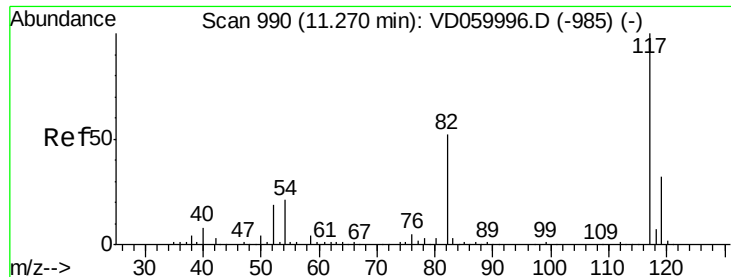
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.02 min
Lab File: VD060044.D
Acq: 19 Sep 2018 16:43

Tgt Ion: 95 Resp: 413994
Ion Ratio Lower Upper
95 100
174 95.7 0.0 165.0
176 93.0 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

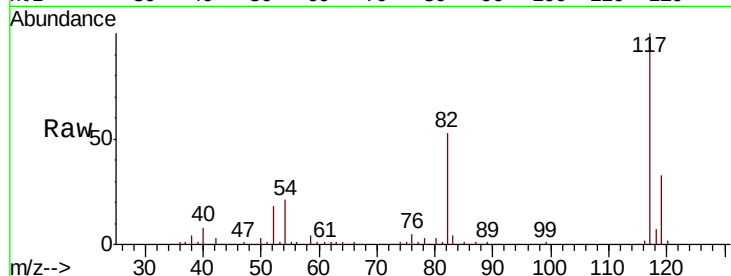




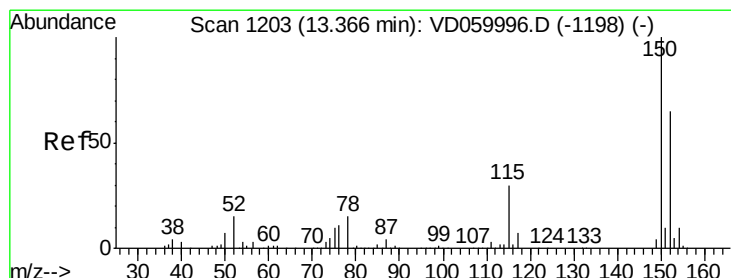
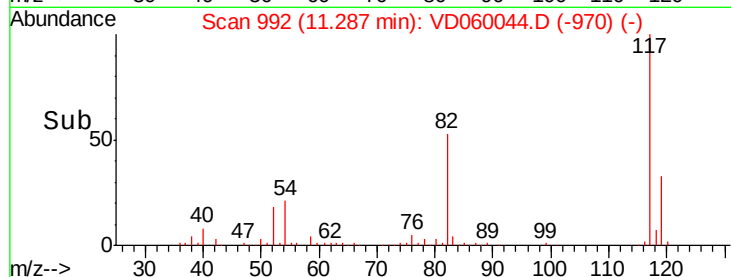
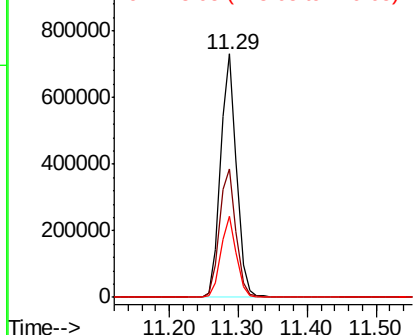
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060044.D
Acq: 19 Sep 2018 16:43

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 1168922
Ion Ratio Lower Upper
117 100
82 52.6 41.7 62.5
119 33.4 26.0 39.0

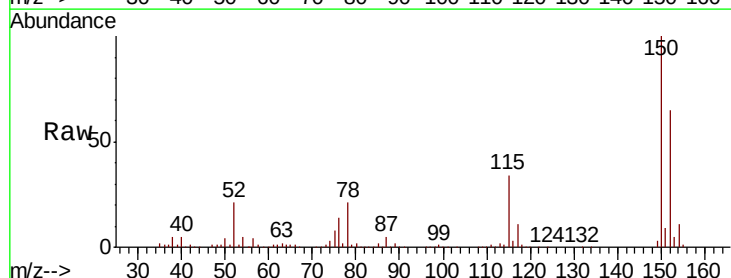


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

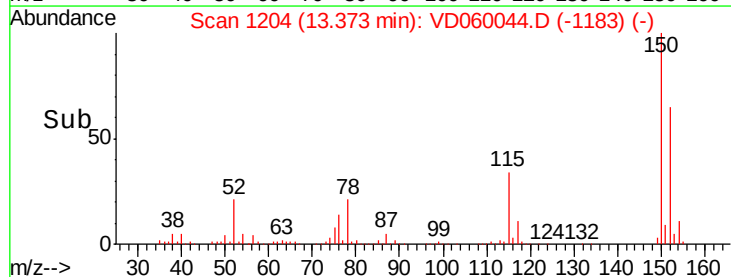
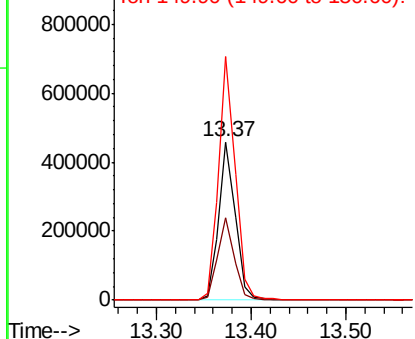


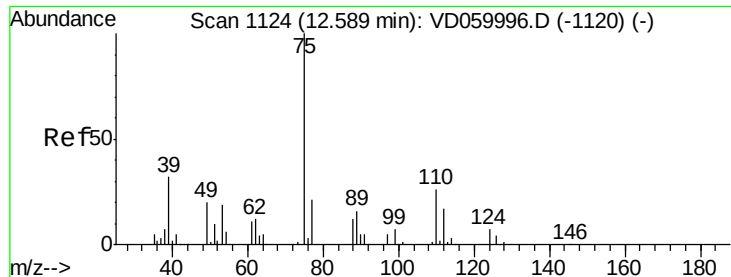
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060044.D
Acq: 19 Sep 2018 16:43

Tgt Ion:152 Resp: 556882
Ion Ratio Lower Upper
152 100
115 52.0 24.6 73.8
150 154.2 0.0 313.4



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





#76

1,2,3-Trichloropropane

Concen: 19.17 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060044.D

Acq: 19 Sep 2018 16:43

Instrument :

MSVOA_D

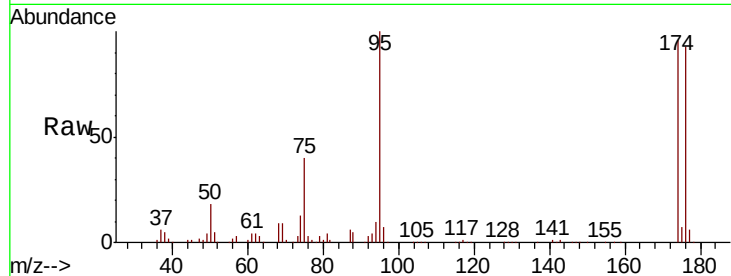
ClientSampleId :

Tot Ion: 75 Resp: 163034

Ion Ratio Lower Upper

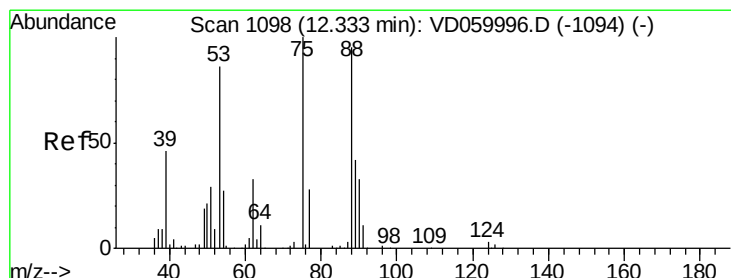
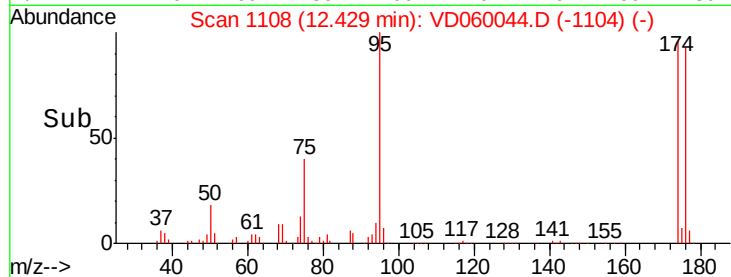
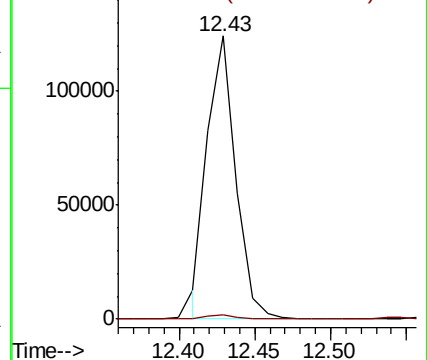
75 100

77 1.6 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 66.56 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060044.D

Acq: 19 Sep 2018 16:43

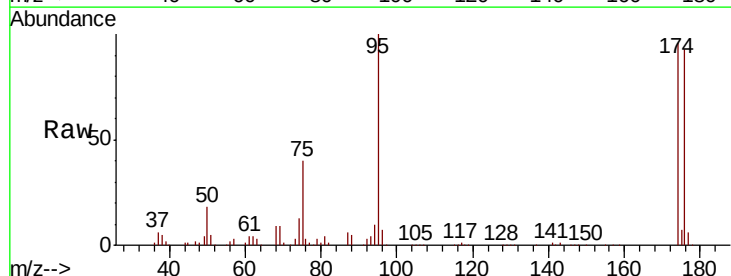
Tgt Ion: 75 Resp: 170875

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

89 0.0 33.8 50.6#



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

